Exhibit I - Phase I and II Environmental Analysis

ERMI Environmental Risk Management
Engineering & Geology • Assessment & Remediation Consultants

PHASE I ENVIRONMENTAL SITE ASSESSMENT
ALL APPROPRIATE INQUIRY

Commercial Property
Heron Bay Golf Course – Four (4) Parcels
Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road
Coral Springs, Broward County, Florida 33076

PREPARED FOR:

Mr. Anthony J. Cariveau, MPA, CPPO, CPPB, NIGP-CPP, FCCN
Purchasing Director
City of Parkland
6600 North University Drive
Parkland, Florida 33067

PREPARED BY:

Environmental Risk Management
ERMI File No.: E4590A
August 19, 2022

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Engineering & Geology • Assessment & Remediation Consultants

August 19, 2022

Mr. Anthony J. Cariveau, MPA, CPPO, CPPB, NIGP-CPP, FCCN
Purchasing Director
City of Parkland
6600 North University Drive
Parkland, Florida 33067

RE: Phase I Environmental Site Assessment – All Appropriate Inquiry
Commercial Property
Heron Bay Golf Course – Four (4) Parcels
Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road
Coral Springs, Broward County, Florida 33076
ERMI File No.: E4590A

Dear Mr. Cariveau:

Environmental Risk Management (ERMI) has completed a Phase I Environmental Site Assessment (ESA) of the referenced property according to our Contract Agreement, executed on August 5, 2022.

ERMI has investigated the land use history, site activities, and regulatory involvement of the property within the site vicinity in general accordance with the American Standard for Testing and Materials (ASTM) E1527-21, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process". The purpose of the investigation was to identify if evidence exists to suggest the impact or potential impact of hazardous substances and/or petroleum products to the Subject Property.

This report is presented in the ASTM International Standard E1527-21 Standard Practice format. For a summary of the findings, please refer to Section 1.4 of this report.

Please call us at 1-888-ENV-MGMT (1-888-368-6468) or locally at 239-415-6406 if we can clarify the findings, further explain the significance of this document, or be of additional service to you.

Sincerely,
ENVIRONMENTAL RISK MANAGEMENT

Olivia Hilfiker

Olivia Hilfiker
Environmental Scientist

Jonathan Ascher, MS, LEP
Environmental Professional

SIGNATURE OF
ENVIRONMENTAL PROFESSIONAL

This report has been prepared by the staff of ERMI to Mr. Anthony Cariveau and the City of Parkland, under the professional supervision of the principal and/or senior staff whose signatures appear hereon. Neither ERMI, nor any staff member assigned to this investigation has any interest or contemplated interest, financial or otherwise, in the subject or surrounding properties, or in any entity which owns, leases, or occupies the subject or surrounding properties or which may be responsible for environmental issues identified during this investigation, and has no personal bias with respect to the parties involved.

The information contained in this report has received appropriate technical review and approval. The conclusions represent professional judgments founded upon the findings of the investigations identified in the report and the interpretation of such data based on our experience and expertise according to the existing standard of care.

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

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

Environmental Risk Management
Jonathan Ascher, MS, LEP

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1.0 EXECUTIVE SUMMARY

1.1 PURPOSE

Environmental Risk Management (ERMI) has investigated the land use history, site activities, and regulatory involvement of the property located within the site vicinity in general accordance with the American Standard for Testing and Materials (ASTM) International designation E1527-21, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment (ESA) Process," and the Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquires (AAI)(40 CFR Part 312).

The purpose of this practice is to define good and customary practices in the United States for conducting an ESA of a parcel of commercial real estate with respect to the range of contaminants within the scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and petroleum products.

The following definitions will be used in this assessment:

Historical Recognized Environmental Conditions (HREC):

A HREC is a defined as the 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.

Controlled Recognized Environmental Conditions (CREC):

A CREC is defined 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.

Recognized Environmental Condition (REC):

A REC is defined by ASTM 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.

De minimis Condition:

A de minimis condition is defined by ASTM as a condition 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 government agencies. ERMI uses the term de minimis condition when a potential environmental concern is considered insignificant with no or very low potential for adverse impacts.

1.2 COMMENTS ON RISK MANAGEMENT

ERMI's consulting approach is to outline each REC, de minimis condition, and/or business environmental risk (BER) in sufficient detail so informed decisions can be made by the user of the report regarding further assessment based on their individual level of risk tolerance. The findings are summarized in Section 1.4.

Regarding Business Environmental Risk (BER) – An environmental business risk can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of the parcel of commercial real estate. A business environmental risk does not constitute a Recognized Environmental Condition (REC).

Each classification outlined above is a subjective opinion based on data, observation, and experience. In many cases, further investigation is necessary to provide additional assurance to clients that a potential environmental risk will not lead to actual liability. ERMI generally will not include recommendations in our Phase I reports as outlined in ASTM International Designation E1527-21, "Standard Practice for ESAs". Recommendations will be provided upon request and in some cases may be presented in subsequent correspondence.

Sampling to assess subsurface environmental quality can be conducted on any site. ERMI advises all clients to exercise caution when considering further assessment for any potential environmental concern. Sampling should be done if the user of the report seeks a definitive conclusion or confirmation of any opinion.

1.3 DATA GAPS DURING THIS INVESTIGATION

The ASTM International Standard E1527-21 defines data gaps as a lack or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information.

The Polk's City Directories for Broward County, Florida listings for the Subject Property were not available for review. ERMI considers this a data gap in this investigation. Because the Subject Property has historically consisted of agricultural land and a golf course, ERMI considers this data gap insignificant to the outcome of this Phase I ESA.

1.4 OPINIONS & FINDINGS

The Subject Property consists of four (4) contiguous parcels located at Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road, Coral Springs, Broward County, Florida. The four (4) parcels encompass approximately 66 acres of a former golf course known as Heron Bay Golf Course. Heron Bay Golf Course has been vacant for the last approximately three (3) years. The Subject Property is assigned Parcel ID Nos.: 4841 06 00 0080, 4841 05 01 0134, 4841 05 01 0072, and 4841 06 01 0010 by the Broward County Property Appraiser.

The first parcel of the Subject Property, Heron Run Drive (Parcel ID No. 4841 06 00 0080), consists of an approximately five (5) acre portion of former golf course land on the northeastern portion of the parcel. The remaining approximately 82 acres of this parcel are not included in this assessment.

The second parcel of the Subject Property (Parcel ID No. 4841 05 01 0134), Nob Hill Road, consists of approximately forty (40) acres of former golf course land and is developed with an approximately 1,000 square foot shed structure that was constructed in 1996.

The third parcel of the Subject Property (Parcel ID No. 4841 05 01 0072), Heron Bay Boulevard, consists of approximately nine (9) acres of former golf course land.

The fourth parcel of the Subject Property (Parcel ID No. 4841 06 01 0010), Heron Bay Boulevard, consists of approximately twelve (12) acres and is developed with an approximately 27,000 square foot, one-story vacant commercial structure. The former occupant of the structure was a clubhouse, pro shop, and restaurant for Heron Bay Golf Course. The structure has been vacant for the last approximately three (3) years. According to the Broward County Property Appraiser's Office, the commercial structure was constructed in 1996. The remaining areas of the fourth parcel of the Subject Property consist of approximately 259,400 square feet of an asphalt paved parking lot and driveways and approximately 236,600 square feet of vacant grass area.

The Environmental Data Report ordered from Environmental Data Management, Inc. (EDM) by ERMI on August 5, 2022, includes an extra parcel that is not included in the assessment of the Subject Property. The Subject Property consists of a five (5) acre portion of one (1) parcel (Parcel ID No. 4841 06 00 0080), and three (3) additional parcels (Parcel ID Nos. 4841 05 01 0134, 4841 05 01 0072, and 4841 06 01 0010). Please be advised the map in the Environmental Data Report includes the entirety of parcel 1 and an additional parcel that is not included in this assessment (Parcel ID No. 4841 06 01 0092). Additionally, ERMI's original proposal provided to the Client includes this parcel. An updated proposal with the correct parcel numbers has been provided in Section 16.6.

An updated hand drawn outline of the four (4) parcels on the Subject Property is included in Section 16.1 and a site map is provided in Section 16.2.

The Site and vicinity properties are located within a residential portion of Coral Springs, Florida. Development in the vicinity of the Subject Property consist of mainly residential dwellings, vacant golf course land, and commercial properties. A summary of the significant findings of this assessment is provided below:

Site History

Based on the review of the historical references, the Subject Property consisted of undeveloped land until at least the early 1950s. Agricultural land use was observed on the Subject Property and the adjoining properties from approximately the mid-1950s through the mid-1990s. Agricultural land use was no longer observed on the Subject Property in the 1995 aerial photograph. Potential environmental concerns, including petroleum, pesticide, herbicide, and metals impacts have been associated with agricultural land uses throughout Florida. Agricultural structures which may include fuel storage, equipment maintenance, and chemical mixing operations are the most likely sources of impact associated with historical agricultural operations. Agricultural structures were not observed on the Subject Property according to aerial photograph research and observations made during the site reconnaissance. There is no evidence to document a specific source area on the Subject Property.

No discharges have been reported to the Florida Department of Environmental Protection (FDEP) associated with the Subject Property and no evidence of a discharge as defined by Florida Statutes 376 or Florida Administrative Code (FAC) 62-150 was identified in this assessment. Customary applications of agricultural chemicals occurred on the formerly cultivated fields, and such applications can leave residual soil and groundwater impacts on property. To conclusively state that the Subject Property has not been impacted by the former agricultural land uses, or to quantify subsurface conditions, soil and groundwater sampling would be necessary. Historical impacts associated with routine maintenance of crops on agricultural land uses are typically low-level and have generally been considered anthropogenic background. While typically not regulated, the potential for impacts from former use of agricultural chemicals can cause Business Environmental Risk (BER) as defined by ASTM E1527-21, Section 3.2.11. For example, any impacted soil removed or disturbed during development activity may need to be mixed, blended, and/or reused as part of a soil management plan, or properly disposed of off-site.

ERMI considers customary agricultural product applications to crops, when conducted in appropriate “legal label” concentrations per manufacturer instructions, to be a low risk for economically significant regulatory action. It is possible for residual soil and/or groundwater impact to exist from historical pesticide and herbicide applications, but the

customary spraying of cultivated fields does not meet the definition for a "discharge" per FAC Chapter 62-780.200(16).

A golf course and commercial structure known as Heron Bay Golf Course were developed on the Subject Property by approximately 1996. Additionally, a shed structure was developed at this time. The application of herbicides and pesticides to the golf course are potential environmental concerns. Even proper "legal label" product application of pesticides and herbicides can result in residual arsenic or other chemical buildup in on-site soil and groundwater. The golf course has operated on the Subject Property from approximately 1996 through 2019, approximately twenty-three (23) years. Golf course operations ceased on the Subject Property approximately three (3) years ago. The maintenance activities may have resulted in impacts to soil and groundwater at the Subject Property. The maintenance area adjoins the Subject Property to the northeast and is not included in the Subject Property boundary. The adjoining maintenance area, and the greens and fairways on the Subject Property are potential areas of concern. No exterior equipment wash-down area was observed on-site during the site reconnaissance.

Soil and groundwater sampling would be necessary to gain additional information regarding the potential for environmental impacts from the chemicals that have been stored and utilized as part of the golf course maintenance operations, but such investigation is a choice that can be made by the user of this report based on their risk tolerance and future plans for the site. ERMI considers the potential for impacts from use of pesticides, herbicides, and fertilizing chemicals a **BER** as defined by ASTM E1527-21. For example, any impacted soil removed or disturbed during development activity may need to be reused as part of a soil management plan or properly disposed of off-site.

Agricultural land use was observed on the Subject Property and the adjoining properties from approximately the late 1950s through the late 1990s. Agricultural land use continued on the north adjoining property until approximately 2008. Land clearing was observed on the Subject Property and the adjoining properties beginning in the mid-1990s in preparation for future development of Heron Bay Golf Course and residential dwellings. Retention ponds were developed on the adjoining properties in the mid-1990s. Commercial development was observed on the south adjoining property by approximately 1999 and continued through the early 2000s. Residential development was observed on the west and east adjoining properties beginning in the late 1990s and continued through the mid-2000s. Residential development was observed on the north adjoining property by approximately 2008. No changes were observed in the study area of the Subject Property since approximately 2008. No observable or documented industrial facilities were identified in the reviewed historical references or regulatory databases in the vicinity of the Subject Property, therefore no evidence of wastewater generation via industrial processes was noted.

Site Reconnaissance

ERMI performed a site reconnaissance on August 9, 2022, of the Subject Property. ERMI did not observe evidence of underground storage tanks (USTs), odors, pools of liquid, stains, or corrosion. Drums and containers storing potentially hazardous substances or petroleum products were not observed on the Site. No staining or stressed vegetation was observed onsite which may indicate inappropriate waste disposal.

One (1) approximately 1,000-gallon high-density polyethylene (HDPE) aboveground storage tank (AST) was observed on the Subject Property during the site reconnaissance. The AST was located on the second parcel of the Subject Property near a shed structure. According to Ms. Jane Early, a representative of the current owner of the Subject Property, the contents of the AST included liquid fertilizer hooked up to the irrigation well in the shed structure and were utilized for the former golf course on the Subject Property. The irrigation well is reportedly no longer in use. The AST was not properly labeled with its contents and was not stored in proper secondary containment. The AST was stored over an unpaved, pervious surface with no surrounding staining. Because the AST is no longer utilized for the golf course on the Subject Property, ERMI recommends properly disposing of the AST at a permitted facility. Due to the lack of visible staining in the soil surrounding the AST, the AST is not considered to represent an environmental concern to the Subject Property.

One (1) irrigation well was observed on the Subject Property. An additional irrigation well is identified on the Environmental Database Report (EDR) that was included in the original boundary of the Subject Property; however, the boundaries of the Subject Property changed after the EDR was ordered. The second irrigation well is not included on the Subject Property. The one (1) irrigation well was observed in a shed structure on the second parcel of the Subject Property during the site reconnaissance. According to Ms. Jane Early, a representative of the owner of the Subject Property, the irrigation well is no longer in use and was previously utilized to provide fertilizer to the former golf course on the Subject Property. The fertilizer was stored in an approximately 1,000-gallon HDPE AST that is located outside of the shed structure. The irrigation well appeared to be in poor condition during the site reconnaissance. Ms. Early stated that the North Springs Improvement District (property owner) has plans to remove the irrigation well from the Subject Property.

No pits, ponds, or lagoons were observed on the Subject Property during the site reconnaissance. Several retention ponds were observed on the adjoining properties during the site reconnaissance. No oily sheen was observed on the surface of the adjoining retention ponds that would indicate the presence of hazardous substances or petroleum products. The retention ponds collect rainwater and runoff and are not considered to represent an environmental concern to the Subject Property.

Stormwater drains were observed on the paved parking lot of the fourth parcel of the Subject Property during the site reconnaissance. Stormwater drains collect rainwater and runoff and are not considered to represent an environmental concern to the Subject Property.

Environmental Records

ERMI reviewed Local, State, and Federal regulatory agency records and databases to identify registered hazardous waste generators, waste storage disposal facilities, registered ASTs and USTs, and complaint files concerning the Subject Property and surrounding properties within the radius defined in ASTM-1527-21. The Subject Property was not found listed on any of the reviewed records or databases. None of the adjoining and vicinity properties identified on the databases within the specified radius are considered an environmental concern to the Subject Property based on distance and/or regulatory status.

1.5 CONCLUSIONS

ERMI has performed this Phase I ESA in conformance with the scope and limitations of the ASTM International Standard E1527-21 of the Subject Property, which consists of five (5) parcels located at Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road, Coral Springs, Broward County, Florida. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report.

Based on the results of this investigation, no Recognized Environmental Conditions (RECs), HRECs, or CRECs were identified in relation to the Subject Property. Two (2) Business Environmental Risks (BERs) were identified in this assessment.

An important distinction is made in State and Federal regulatory enforcement and remedial policies regarding the application of agricultural chemicals to cultivated fields, groves, and crops. The distinction pertains to how the chemicals are applied or misapplied.

Chapter 62-150.200(2) Florida Administrative Code (FAC) defines a "Release" as any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment of any hazardous substance or pollutant or contaminant. Chapter 62-150.200(3)(d) FAC, excludes the normal application of fertilizer or pesticide.

A normal, conventional application is generally defined as an application of agricultural chemicals that has been properly mixed in accordance with the legal manufacturer specifications on the label of a properly registered product and distributed uniformly in appropriate concentrations on the cultivated field. Based on the definitions above, such applications are not considered releases or discharges.

It is unlawful to exceed the mixing specifications on the label of a registered pesticide according to *Best Management Practices for Agrichemical Handling and Farm Equipment Maintenance*, Third Printing, February 2000, (the DACSBMP Manual). §487.031(10), F.S. makes it unlawful for any person to use any pesticide in a manner other than as stated in the labeling, or on the label, or as specified by DACS, or by the EPA. Each pesticide that is distributed, sold, or offered for sale in Florida must be registered by DACS and must meet the requirements of both federal and State law. **Therefore, in our professional judgment, it is reasonable to presume legal label use unless a specific source to indicate a discharge has been identified.**

Properties with long-term agricultural cultivation may have residual soil and groundwater impacts from normal and customary application of fertilizers, pesticides, and herbicides that can exceed regulatory cleanup target levels.

The possibility for such impacts exists on current and former agricultural properties throughout the Unites States, including the Subject Property. This is acknowledged by the EPA and FDEP and is the basis for several regulatory exemptions, such as in FAC Rule 62-150.200(3)(d) as described above.

In our professional judgment, based on the information presented above, the legal application of agricultural products does not meet the definition for a "discharge" as defined in Florida Statutes, Section 376.301.

The former agricultural land use and historical golf course land use on the Subject Property is considered a **BER**, as defined in ASTM International Standard E1527-21, Section 3.2.11. A BER can have an impact on the business or future development activities associated with the current or planned use of the parcel of commercial real estate. Site development, soil management, and stormwater management plans should consider the historical use if the site proceeds toward further development.

2.0 INTRODUCTION

2.1 PURPOSE AND OBJECTIVE

The purpose of the ASTM International Standard E1527-21 practice is to define good and customary practices in the United States for conducting an ESA of a parcel of commercial real estate with respect to the range of contaminants within the scope of CERCLA (42 USC paragraph 9601) and petroleum products. This practice is intended to permit the user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability, collectively known as Landowner Liability Protections (LLPs).

The objective of this investigation is to use reasonable judgment in assessing the evidence obtained to identify RECs in connection with the Subject Property. The term RECs means the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not classified as RECs.

The methodology is summarized in our Contract Agreement executed on August 5, 2022. A copy of the Contract Agreement is provided in Section 16.6. Conformance with this method represents appropriate inquiry to identify the location and existence of potential sources of environmental impact without intrusive testing. The intention of this diligence is to assess business risk in regard to economic impact from petroleum products or hazardous substances.

2.2 DETAILED SCOPE-OF-SERVICES

The scope of services conducted by ERMI includes the following:

1. A physical site reconnaissance to identify likely RECs in connection with the Subject Property.

2. Visual observation of adjoining properties or facilities to assess conditions that may indicate RECs on the Subject Property or on an adjoining property.

3. Review of historical land use of the Subject Property back to the first developed use or 1940, whichever is earlier.

4. Review of existing published information related to geology, hydrology, and topographical information for the Subject Property.

5. Review of reasonably ascertainable records and regulatory agency file database searches to identify federal and state-listed properties of known potential environmental concern located within the minimum search distances from the Subject Property, as specified in ASTM E1527-21.

6. Interviews with present and past Subject Property owners, operators/managers, or occupants.

7. Interviews with representatives of the state, county, or local regulatory agencies with knowledge of the site.

8. Evaluation of compiled information and documentation.

9. This report, which is intended to document our findings from data research and to present our environmental recommendations and conclusions.

Please refer to the Contract Agreement presented in Section 16.6 for more details.

2.3 SIGNIFICANT ASSUMPTIONS

ERMI assumes that:

1. The client has provided any pertinent information or documentation relative to this assignment.
2. The results of interviews are reliable.
3. Information obtained from various references and records are reliable.
4. The user of this report has a general understanding of the inherent limitations to the assessment process, understanding that environmental assessments are simply risk management tools for use in decision making regarding involvement with real property, and that ERMI is not responsible for liabilities caused by any decisions made by the user of this assessment.

If any of these assumptions are incorrect, please contact ERMI immediately for clarification.

2.4 LIMITATIONS AND EXCEPTIONS

This ESA report is limited to the investigation of the potential impact of hazardous substances or petroleum products to the Subject Property. Additional environmental services, including, but not limited to: asbestos containing materials, radon, lead-based paint, lead in drinking water, wetlands determination, wetlands permitting, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, controlled substances, mold, and high voltage power lines are not included in this report. The investigation is limited to the scope of work defined in the Contract Agreement.

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property.

Unregistered USTs exist at many sites in Florida. Based on our research, none are expected to exist at the Subject Property. Ground penetrating radar or other subsurface assessment techniques could be employed if the user of this report desires to confirm that unregistered tanks do not exist at the site. An unregistered tank would be a hidden condition as described in our Contract Agreement.

Pesticide use could have occurred on any site. Many pesticides are resistant to weathering and can be persistent in the environment. Unless specific evidence of a source area is documented, residual pesticide impact would be a hidden condition as described in our Contract Agreement.

Possession of this report, or a copy thereof, does not carry with it the right of publication. It may not be used for any purpose by any person other than the party to whom it is addressed without written consent of ERMI. It is intended to be used in its entirety. Neither all nor any part of the content of this report, or copy thereof, shall be conveyed to the public through advertising, public relations, news, sales, or any other media without written consent and approval of ERMI. Acceptance of and/or use of this assessment constitutes acceptance of all provisions and limitations stated in this report.

ERMI liability shall be limited as described in the Contract Agreement executed by the parties on August 5, 2022. ERMI has neither created nor contributed to the creation or existence of any hazardous, radioactive, toxic, irritant, pollutant, or otherwise dangerous substances or conditions at the site, and its compensation hereunder is in no way commensurate with the potential risk of injury or loss that may be caused by such substances or conditions.

2.5 SPECIAL TERMS AND CONDITIONS

The terms and conditions of this report are provided in the Contract Agreement, which is provided in Section 16.6 of this report.

2.6 USER RELIANCE

ERMI certifies this report to Mr. Anthony Cariveau and the City of Parkland, upon the receipt of payment, and within the time frames applicable to Phase I ESAs as outlined in ASTM International Standard E1527-21. The report was prepared for the exclusive use of the above entities, which may solely rely on the report contents. Reliance on this report is contingent upon unconditional acceptance of all terms and conditions of the Contract Agreement (please refer to Section 16.6) and all limitations contained in this report.

As described in the Contract Agreement, if additional parties request additional reports or reliance on this report in the future, current client permission will be required, and additional fees may apply.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The Subject Property consists of four (4) contiguous parcels located at Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road, Coral Springs, Broward County, Florida. The Subject Property is assigned Parcel ID Nos.: 4841 06 00 0080, 4841 05 01 0134, 4841 05 01 0072, and 4841 06 01 0010 by the Broward County Property Appraiser. The legal description, information from the Broward County Property Appraiser's Office and a Site Location Map are provided as Section 16.1 of this report.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The Subject Property consists of approximately 66 acres of developed, commercial land. The site is located immediately north of Heron Bay Boulevard and west of Nob Hill Road. The area surrounding the site is characterized predominantly by residential and commercial development.

3.3 CURRENT USE OF PROPERTY

Based on the site reconnaissance and aerial photographic review, the Subject Property consists of four (4) contiguous parcels of land that previously operated as a golf course. The first, second, and third parcels consist of former golf course land. A shed structure exists on the second parcel. The fourth parcel of the Subject Property is developed with a commercial structure. The structure has been vacant for approximately three (3) years. The remaining portions of the fourth parcel of the Subject Property consist of an asphalt paved parking lot and driveway areas, and vacant grass areas.

3.4 DESCRIPTION OF IMPROVEMENTS

Based on information provided by the Broward County Property Appraiser's Records, historical aerial photograph, city directory records, interviews, and site reconnaissance, the Subject Property consists of four (4) contiguous parcels encompassing approximately 66 acres of a former golf course known as Heron Bay Golf Course. Heron Bay Golf Course has been vacant for the last approximately three (3) years.

The first parcel of the Subject Property, Heron Run Drive (Parcel ID No. 4841 06 00 0080), consists of an approximately five (5) acre portion of former golf course land on the northeastern portion of the parcel.

The second parcel of the Subject Property (Parcel ID No. 4841 05 01 0134), Nob Hill Road, consists of approximately forty (40) acres of former golf course land and is developed with an approximately 1,000 square foot shed structure that was constructed in 1996.

The third parcel of the Subject Property (Parcel ID No. 4841 05 01 0072), Heron Bay Boulevard, consists of approximately nine (9) acres of former golf course land.

The fourth parcel of the Subject Property (Parcel ID No. 4841 06 01 0010), Heron Bay Boulevard, consists of approximately twelve (12) acres and is developed with an approximately 27,000 square foot, one-story vacant commercial structure. The former occupant of the structure was a clubhouse, pro shop, and restaurant for Heron Bay Golf Course. The structure has been vacant for the last approximately three (3) years. According to the Broward County Property Appraiser's Office, the commercial structure was constructed in 1996. The remaining areas of the fourth parcel of the Subject Property consist of approximately 259,400 square feet of an asphalt paved parking lot and driveways and approximately 236,600 square feet of vacant grass area. Please refer to Section 6.4 for more information.

3.5 CURRENT USES OF THE ADJOINING PROPERTIES

The study area consists of residential and commercial properties. Adjacent properties generally represent the greatest off-site environmental threat to a site. The adjacent properties observed during the study area search were:

North: Residential dwellings and former golf course land.

South: Marriott Hotel and Convention Center, Heron Bay Corporate Center, MatrixCare software company, and Regus office space company followed by a retention pond and Heron Bay Boulevard.

West: Residential dwellings and former golf course land with an active construction area.

East: Nob Hill Road followed by residential dwellings.

Please refer to Section 6.4 for additional information on the adjacent properties.

4.0 PHYSICAL SETTING

4.1 TOPOGRAPHY

ERMI reviewed the 7.5-minute United States Geological Survey (USGS) topographic map for the Subject Property quadrangle published in 1963. Review of the topographic map indicates that the site is located at approximately 10 feet above sea level (asl). Based on observations during the site reconnaissance, the site gradually slopes to the west. The

topography of the surrounding area is relatively flat, gradually sloping to the west towards the Holey Land Wildlife Management Area.

4.2 Inferred Groundwater Flow Direction

The general direction of groundwater flow can be inferred from ground surface elevations and surficial expression of groundwater identified on the USGS topographic quadrangle. Surficial groundwater occurrences generally include permanent lakes, streams, and wetland areas.

Based on ERMI's review of the topographic map and document review of current and/or former contamination assessments conducted within the study area, the groundwater flow direction was inferred to be generally to the west towards the Holey Land Wildlife Management Area.

5.0 USER PROVIDED INFORMATION

5.1 Title Records

Title information concerning the Subject Property has not been provided to ERMI as of the date of this report. Title information can be reviewed to identify former owners, leases, easements, and land uses of the site and to identify if any environmental cleanup liens have ever been placed on the property. If requested and for an additional fee, ERMI will review this document and provide the results as an addendum to this report.

5.2 Environmental Liens or Activity and Use Limitations

The user of this assessment has communicated no information indicating that there are environmental liens or activity and use limitations in connection with the Subject Property.

5.3 Specialized Knowledge

The user of this assessment has communicated no specialized knowledge or experience that is material to RECs in connection with the Subject Property.

5.4 Valuation Reduction for Environmental Issues

The user of this assessment has communicated no information indicating any environmental issues in connection with the Subject Property that have reduced the purchase price of this property.

5.5 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION

The Subject Property is currently owned by North Springs Improvement District, according to the Broward County Property Appraiser. Please refer to **Section 16.1** for additional information.

5.6 REASON FOR PERFORMING THE PHASE I ESA

This assessment was conducted with the intention of satisfying one of the requirements to qualify for the LLPs to CERCLA liability and to assess business risk. Refer to **Section 2.1** for more information.

5.7 PREVIOUS ENVIRONMENTAL REPORTS

A Phase I ESA was previously completed at the Subject Property by a separate company. The Client did not share the former Phase I ESA with ERMI to ensure an objective and independent assessment of the property.

6.0 RECORDS REVIEW

6.1 STANDARD ENVIRONMENTAL RECORD SOURCES

ERMI reviewed the results of a search of standard environmental records sources as required by ASTM Standard E1527-21. A copy of the environmental database report is provided in **Section 16.4** and any significant regulatory documents are included in **Section 16.5**.

6.1.1 NPL/Delisted NPL

The National Priorities List (NPL) is a listing of facilities and/or locations where environmental contamination has been confirmed and prioritized for "Superfund" cleanup activities. This "Superfund" was initially established under the CERCLA of 1980 and reinstated under the Superfund Amendments and Re-authorization Act of 1986 (SARA). **There are no facilities listed in this database within one mile of the Subject Property.**

6.1.2 CERCLIS

The Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) is the EPA Office of Emergency and Remedial Response database. Over 25,000 sites nationwide are reported to the agency as having potential environmental problems. The EPA or the appropriate State agency determines if hazardous substances are present in sufficient quantity to justify placing the site on the NPL. The facility would then be prioritized,

according to the degree of environmental health and safety concerns, to determine the ranking of its federally regulated cleanup. There are no facilities listed in this database within one-half mile of the Subject Property.

6.1.3 CERCLIS NFRAP

Archived CERCLIS sites are designated as No Further Remedial Action Planned (NFRAP) site, which have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the site being placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. There are no facilities listed in this database within one-half mile of the Subject Property.

6.1.4 Federal ERNS

The Emergency Response Notification System (ERNS) database contains a listing of facilities that have been reported to the EPA as having released potentially hazardous material. The listing includes information such as the date of the incident, the response by those involved, the hazardous substances involved, and the reported location of the incident. The Subject Property is not listed in this database.

6.1.5 RCRA CORRACTS

The EPA Resource Conservation and Recovery Information System (RCRIS) Corrective Action (CORRACTS) database is a listing of hazardous waste handlers that have undergone some type of enforcement and corrective action activity to address non-compliance with Resource Conservation and Recovery Act (RCRA) regulations. This information is compiled by the EPA Regional and State RCRA program personnel, as well as the RCRA facilities themselves, into a national information system referred to as RCRA Info. There are no facilities listed in this database within one mile of the Subject Property.

6.1.6 RCRA TSD

RCRA identifies Treatment, Storage, and/or Disposal (TSD) facilities or locations that have notified the EPA of their activities relative to the hazardous waste treatment, storage and disposal as defined by federally recognized hazardous waste codes. There are no facilities listed in this database within one-half mile of the Subject Property.

6.1.7 Federal RCRA generators list

The RCRA database identifies facilities or locations that have notified the EPA of their activities relative to the handling of hazardous waste transportation. These facilities are typically divided into Large Quantity Generators (LQG), Small Quantity Generators (SQG), Conditionally Exempt Small Quantity Generators (CESQG), and Transporters. **There is one (1) facility listed in this database within one-half mile of the Subject Property. Please refer to Section 16.4 for a copy of the environmental database report.**

- **Chemtec North America LLC, 11555 Heron Bay Boulevard, FLR000249433,** is listed on the RCRA notifiers database and is located approximately 0.03 miles south of the Subject Property. This facility is listed as a Small Quantity Generator (SQG). RCRA SQG facilities create less than 1,000 kilograms (kg) of hazardous waste per month. According to the research conducted during this investigation, there are no violations or discharges on file for this facility. Based on the regulatory compliance, the Chemtec North America LLC facility is not considered to represent an environmental concern to the Subject Property.

6.1.8 Federal IC/EC

The Federal institutional control/engineering control (IC/EC) registries identify the use of institutional controls and engineering controls at sites. The listing includes sites that utilize controls to minimize the potential for exposure to contamination by limiting land or resource use. **The Subject Property is not listed in this database.**

6.1.9 State and Tribal Equivalent NPL/CERCLIS

The Superfund Waste Cleanup & State-Funded Action Site lists hazardous waste cleanup sites participating in various federal and state funded cleanup programs. Florida's State-Funded Action Sites and Superfund Waste Cleanup Sites list are maintained and made available by the Florida Department of Environmental Protection (FDEP). **There are no State and Tribal Equivalent CERCLIS facilities identified within one half-mile of the Subject Property. There are no State and Tribal Equivalent NPL facilities identified within one mile of the Subject Property.**

6.1.10 State and Tribal Landfill or Solid Waste Disposal Sites

The FDEP Solid Waste Facility Inventory Report identifies locations that have been permitted to conduct solid waste landfill activities or other waste handling activities such as those conducted at transfer stations. In addition, sites handling

bio-hazardous wastes are also included on this list. **There are no facilities listed in this database within one-half mile of the Subject Property.**

6.1.11 State and Tribal LUST

The FDEP Leaking Underground Storage Tanks (LUST) list is a subset of the FDEP Storage Tank and Contamination Monitoring (STCM) database and identifies facilities and/or locations that have notified the FDEP of a possible release of contaminants from petroleum storage systems. **There are no facilities listed in this database within one-half mile of the Subject Property.**

6.1.12 State and Tribal Registered Storage Tanks

The FDEP Underground/Aboveground Storage Tanks (TANKS) list identifies those facilities or locations that have registered ASTs and/or USTs pursuant to the notification requirements found in applicable chapters of the Florida Administrative Code (F.A.C.). This report is generated from the FDEP STCM Database. **The Subject and adjacent properties are not listed within this database.**

6.1.13 State and Tribal Voluntary Cleanup

The voluntary cleanup list is derived from the FDEP Brownfields Site Rehabilitation Agreement database and the FDEP Office of Waste Cleanup Responsible Party Sites database. This list identifies those sites that have signed an agreement to Voluntarily cleanup a site and/or sites where legal responsibility for site rehabilitation exists pursuant to Florida Statutes and is being conducted either voluntarily or pursuant to enforcement activity. **There are no facilities listed in this database within one-half mile of the Subject Property.**

6.1.14 State and Tribal Institutional Control/Engineering Control Registries

The State institutional control/engineering control (IC/EC) registries identify the use of institutional controls and engineering controls at sites. The listing includes sites that utilize controls to minimize the potential for exposure to contamination by limiting land or resource use. **The Subject Property is not listed within this database.**

6.1.15 State and Tribal Brownfields Sites

The US/FDEP Brownfields sites list identifies existing commercial and industrial sites that are abandoned, underused, or complicated by actual or perceived environmental contamination. A Brownfields area is identified as a contiguous area of one or more Brownfields sites, some of which may not be contaminated,

and which has been designated by a local government by 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 the EPA designated Brownfields pilot projects. There are no facilities listed in this database within one-half mile of the Subject Property.

6.1.16 State Dry Cleaners List

The Florida Dry Cleaners List is comprised of data from the FDEP STCM database and the Dry-Cleaning Solvent Cleanup Program-Priority Ranking List. It contains a listing of those dry cleaner sites who have registered with the FDEP for the Dry-Cleaning Solvent Cleanup Program. There is one (1) facility listed in this database within one-half mile of the Subject Property. Please refer to Section 16.4 for a copy of the environmental database report.

- Heron Bay Elite Dry Cleaners, 6240 Coral Ridge Drive, Facility ID #9811148, is listed on the FDEP Dry-Cleaners List and is located approximately 0.15 miles south of the Subject Property. This facility is registered as a dry-cleaning facility with the FDEP. According to the research conducted during this investigation, there are no violations or discharges on file for this facility. Additionally, no documents regarding subsurface investigation were available for review. Based on the regulatory compliance and distance, the Heron Bay Elite Dry Cleaners facility is not considered to represent an environmental concern to the Subject Property.

6.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

Additional environmental record sources were reviewed to enhance and supplement the standard environmental records. Local records reviewed include:

- FDEP
- OCULUS – FDEP's electronic database of regulatory documents
- FDEP Contamination Locator Map
- FDEP Institutional Control Registry
- United States Environmental Protection Agency Enforcement and Compliance History Online (ECHO) Database

6.3 VAPOR INTRUSION

ERMI assessed potential soil vapor sources for the Subject Property via a review of the environmental database and local records described in Sections 6.1 and 6.2. After reviewing the Subject Property setting, performing a site reconnaissance, and reviewing

regulatory information, ERMI did not identify and vapor intrusion concerns from on-site or off-site sources to the Subject Property.

6.4 HISTORICAL RECORDS REVIEW

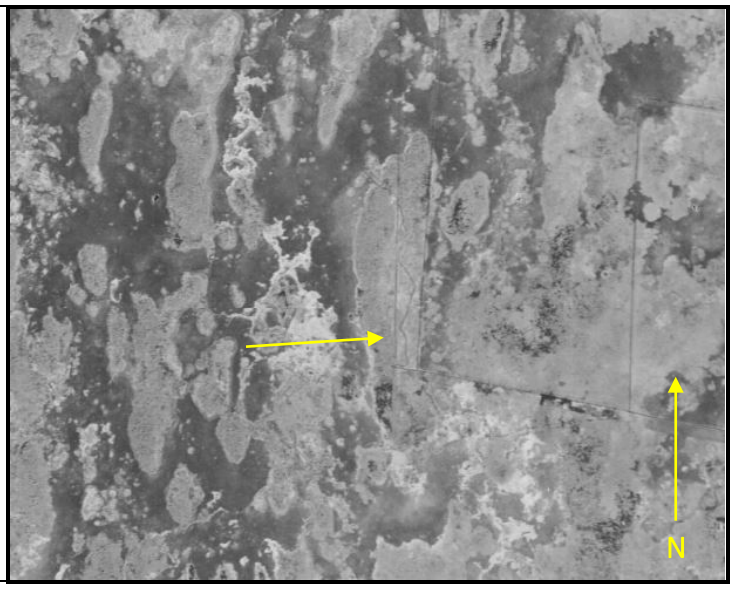
ERMI reviewed reasonably ascertainable, standard historical sources to develop a history of the previous uses of the Subject Property and surrounding area in order to help identify the likelihood of past uses that could have led to RECs. ERMI has attempted to identify the past uses of the Subject Property at approximately five-year intervals from the present back to the Site's first developed use or 1940, whichever is earlier as defined by ASTM.

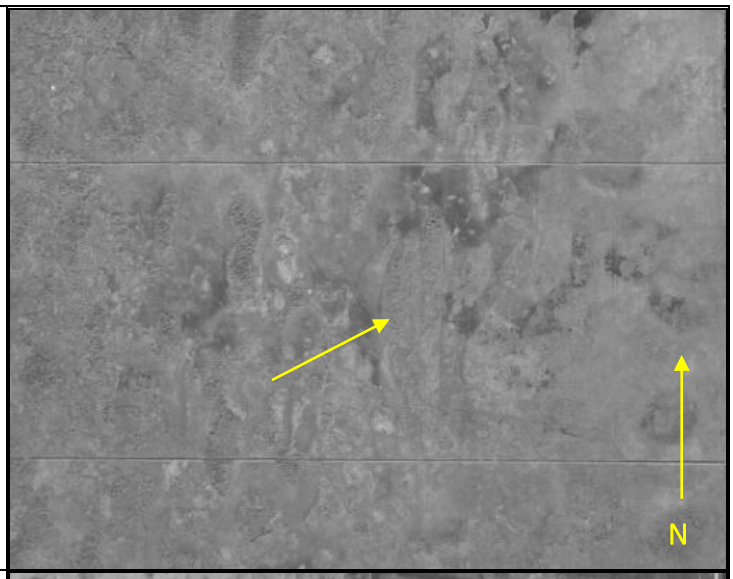
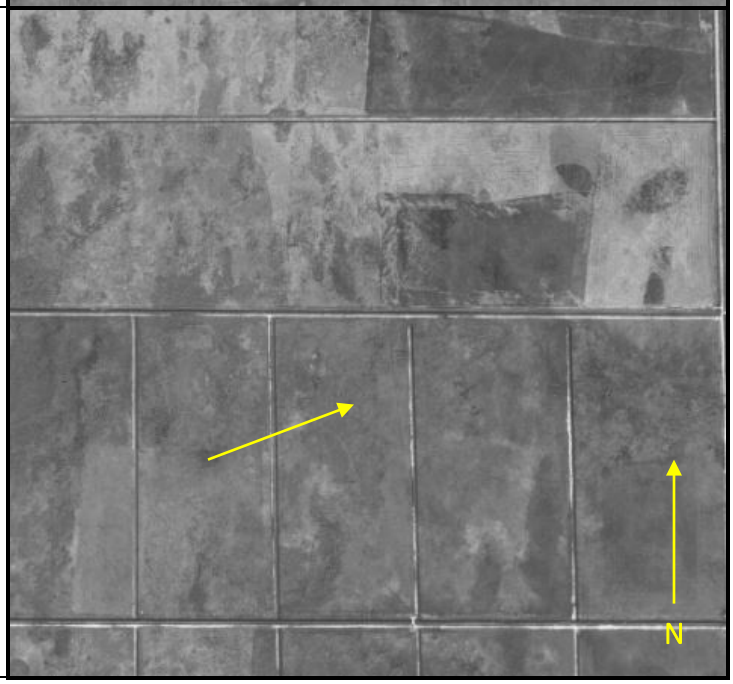
6.4.1 Local Street Directories

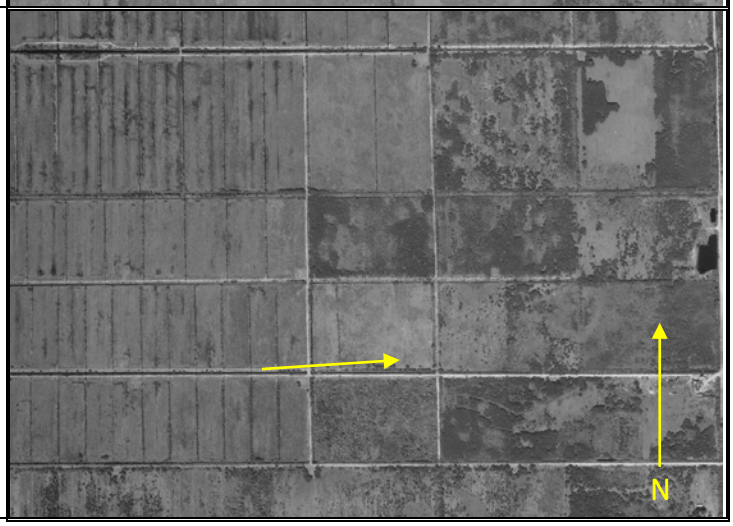
The Polk's City Directories for Broward County, Florida listings for the Subject Property were not available for review. ERMI considers this a data gap in this investigation. Please refer to **Section 1.3** for additional information.

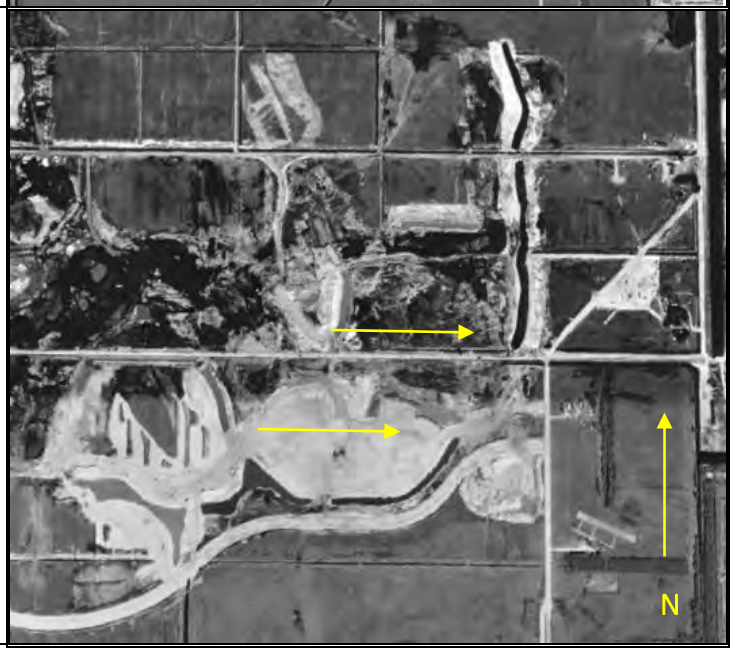
6.4.2 Aerial Photographs

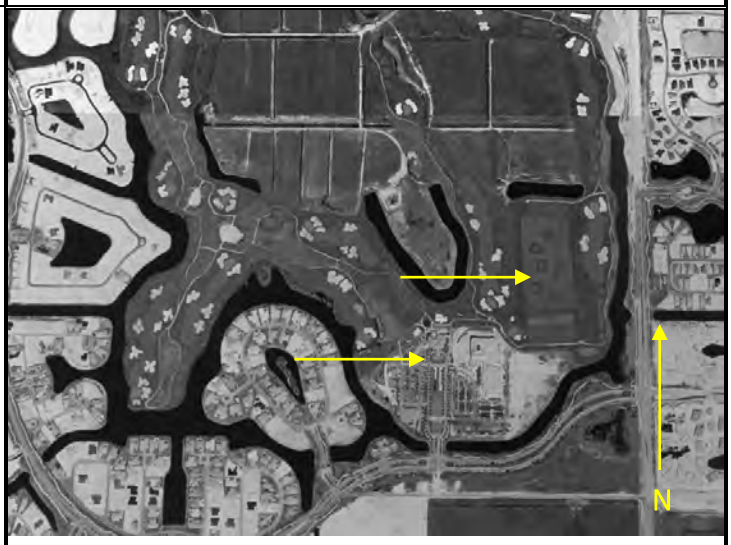
Aerial photographs of Section 6, Township 48 South, Range 41 East, Broward County, Florida were observed to identify the extent and nature of recent land uses or alterations such as clearing, backfilling, excavation, or dumping. The aerial photographs are public documents available from the Broward County Property Appraiser's Office and the Florida Department of Transportation (FDOT). Aerial photographs with a north arrow are provided.

1947	The Subject and adjoining properties are natural, undeveloped land.	

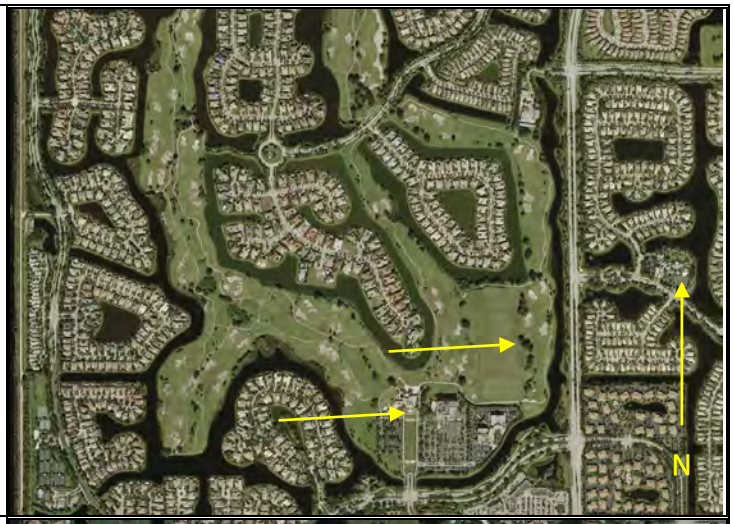
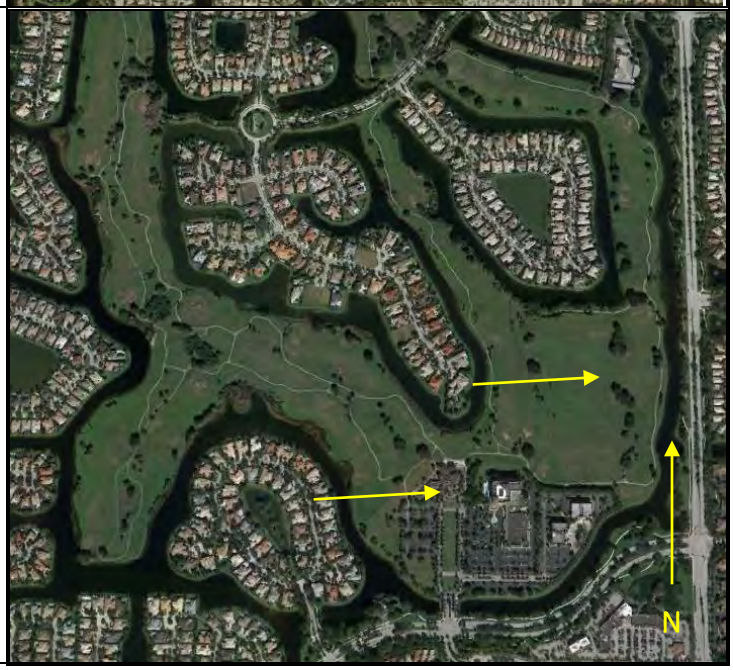
1953	The Subject and adjoining properties are natural, undeveloped land.	
1958	Agricultural land use is observed on the Subject and adjoining properties.	

1968	Agricultural land use is observed on the Subject and adjoining properties.	
1976	Agricultural land use is observed on the Subject and adjoining properties.	
1981	Agricultural land use is observed on the Subject and adjoining properties.	

1988	Agricultural land use is observed on the Subject and adjoining properties. Land clearing is observed on the southern portion of the Subject Property.	
1992	The Subject and adjoining properties appear similar to the 1988 aerial photograph.	
1995	Agricultural land use is no longer observed on the Subject Property. Land clearing is observed on the Subject and adjoining properties in preparation for future development of a golf course and residential dwellings. The beginning development of retention ponds are observed on the adjoining properties. Agricultural land use is	

	observed on the north and south adjoining properties.	
1999	A commercial structure, paved parking lot, shed structure, and golf course have been developed on the Subject Property. Retention ponds have been developed on the adjoining properties. The south adjoining commercial structures have been developed. Residential development is observed on the west and east adjoining properties. Agricultural land use is observed on the north adjoining property.	
2002	Land clearing for future residential development is observed on the north and west adjoining properties. Residential development is observed on the east adjoining property and in the study area. Additional commercial development is observed on the south adjoining property. The Subject Property appears similar to the 1999 aerial photograph.	

2008	Agricultural land use is no longer observed in the study area. Residential development is observed on the north and west adjoining properties. The Subject, east, and north adjoining properties appear similar to the 2002 aerial photograph.	
2011	The Subject and adjoining properties appear similar to the 2008 aerial photograph.	
2015	The Subject and adjoining properties appear similar to the 2011 aerial photograph.	

2018	The Subject and adjoining properties appear similar to the 2015 aerial photograph.	
2021	The Subject and adjoining properties appear similar to the 2018 aerial photograph.	

6.4.3 Fire Insurance Maps

Sanborn fire insurance maps have been produced for many urban areas since the late 1800's and have been used to assess fire hazards. The State of Florida Sanborn map database maintained by the University of Florida was reviewed and fire insurance map coverage is not available for the Subject Property and vicinity.

6.4.4 Local Topographic Maps

Historical topographic maps of the site and surrounding area were reviewed from the years 1963, 1969, and 1983. The findings from the review of these

topographic maps are summarized in the table below. Copies of the topographic maps are included in environmental database report included in Section 16.4.

Date	Target Site	Adjoining Properties
1963	Site is depicted as agricultural land with no structures.	The adjoining properties are depicted as agricultural land with no structures.
1969	Site is depicted as agricultural land with no structures.	The adjoining properties are depicted as agricultural land with no structures.
1983	Site is depicted as agricultural land with no structures.	The adjoining properties are depicted as agricultural land with no structures.

6.4.5 Local Historical Records

ERMI reviewed available records maintained by Broward County including documents maintained by the Property Appraiser, Clerk of Courts, Building Department, and Tax Collector. According to the available documents, the current structure on the fourth parcel of the Subject Property was reportedly constructed in 1996. A shed structure was developed on the second parcel of the Subject Property in 1996. No structures exist on the first or third parcels of the Subject Property.

Deeds for the Subject Property indicate that each parcel (Parcel ID Nos. 4841 06 00 0080, 4841 05 01 0134, 4841 05 01 0072, and 4841 06 01 0010) has been owned since 2022. Former owners of the four (4) parcels of the Subject Property include Clublink US LLC, Clublink Heron Bay LLC, HB Partners I LLC, Tournament Players Club at Heron Bay Inc., and WCI Communities Limited Partnership.

6.5 HISTORICAL USE INFORMATION SUMMARY

Based on the review of the historical references, the Subject Property consisted of undeveloped land until at least the early 1950s. Agricultural land use was observed on the Subject Property and the adjoining properties from approximately the mid-1950s through the mid-1990s. Agricultural land use was no longer observed on the Subject Property in the 1995 aerial photograph. Potential environmental concerns, including petroleum, pesticide, herbicide, and metals impacts have been associated with agricultural land uses throughout Florida. Agricultural structures which may include fuel storage, equipment maintenance, and chemical mixing operations are the most likely sources of impact associated with historical agricultural operations. Agricultural

structures were not observed on the Subject Property according to aerial photograph research and observations made during the site reconnaissance. There is no evidence to document a specific source area on the Subject Property.

No discharges have been reported to the Florida Department of Environmental Protection (FDEP) associated with the Subject Property and no evidence of a discharge as defined by Florida Statutes 376 or Florida Administrative Code (FAC) 62-150 was identified in this assessment. Customary applications of agricultural chemicals occurred on the formerly cultivated fields, and such applications can leave residual soil and groundwater impacts on property. To conclusively state that the Subject Property has not been impacted by the former agricultural land uses, or to quantify subsurface conditions, soil and groundwater sampling would be necessary. Historical impacts associated with routine maintenance of crops on agricultural land uses are typically low-level and have generally been considered anthropogenic background. While typically not regulated, the potential for impacts from former use of agricultural chemicals can cause Business Environmental Risk (BER) as defined by ASTM E1527-21, Section 3.2.11. For example, any impacted soil removed or disturbed during development activity may need to be mixed, blended, and/or reused as part of a soil management plan, or properly disposed of off-site.

ERMI considers customary agricultural product applications to crops, when conducted in appropriate "legal label" concentrations per manufacturer instructions, to be a low risk for economically significant regulatory action. It is possible for residual soil and/or groundwater impact to exist from historical pesticide and herbicide applications, but the customary spraying of cultivated fields does not meet the definition for a "discharge" per FAC Chapter 62-780.200(16).

A golf course and commercial structure known as Heron Bay Golf Course were developed on the Subject Property by approximately 1996. Additionally, a shed structure was developed at this time. The application of herbicides and pesticides to the golf course are potential environmental concerns. Even proper "legal label" product application of pesticides and herbicides can result in residual arsenic or other chemical buildup in on-site soil and groundwater. The golf course has operated on the Subject Property from approximately 1996 through 2019, approximately twenty-three (23) years. Golf course operations ceased on the Subject Property approximately three (3) years ago. The maintenance activities may have resulted in impacts to soil and groundwater at the Subject Property. The maintenance area adjoins the Subject Property to the northeast and is not included in the Subject Property boundary. The adjoining maintenance area, and the greens and fairways on the Subject Property are potential areas of concern. No exterior equipment wash-down area was observed on-site during the site reconnaissance.

Soil and groundwater sampling would be necessary to gain additional information regarding the potential for environmental impacts from the chemicals that have been stored and utilized as part of the golf course maintenance operations, but such investigation is a choice that can be made by the user of this report based on their risk tolerance and future plans for the site. ERMI considers the potential for impacts from use of pesticides, herbicides, and fertilizing chemicals a **BER** as defined by ASTM E1527-21. For example, any impacted soil removed or disturbed during development activity may need to be reused as part of a soil management plan or properly disposed of off-site.

Agricultural land use was observed on the Subject Property and the adjoining properties from approximately the late 1950s through the late 1990s. Agricultural land use continued on the north adjoining property until approximately 2008. Land clearing was observed on the Subject Property and the adjoining properties beginning in the mid-1990s in preparation for future development of Heron Bay Golf Course and residential dwellings. Retention ponds were developed on the adjoining properties in the mid-1990s. Commercial development was observed on the south adjoining property by approximately 1999 and continued through the early 2000s. Residential development was observed on the west and east adjoining properties beginning in the late 1990s and continued through the mid-2000s. Residential development was observed on the north adjoining property by approximately 2008. No changes were observed in the study area of the Subject Property since approximately 2008. No observable or documented industrial facilities were identified in the reviewed historical references or regulatory databases in the vicinity of the Subject Property, therefore no evidence of wastewater generation via industrial processes was noted.

7.0 SITE RECONNAISSANCE

7.1 METHODOLOGY AND LIMITING CONDITIONS

7.1.1 Methodology

Ms. Olivia Hilfiker completed the site reconnaissance on August 9, 2022, observing the general site conditions and operations on the Subject Property. Ms. Hilfiker was accompanied by Ms. Jane Early, a representative of the Subject Property, during the site reconnaissance. This section presents the findings of the site reconnaissance. These observations pertain to the general conditions of the physical land, including location and presence of ponded water, stained and stressed vegetation, monitoring wells, wastewater, and solid or liquid waste, as applicable.

On the day of the site reconnaissance, the weather conditions were sunny with a temperature around 90 degrees Fahrenheit. The entire Site was walkable. Photographs were taken of notable site features and are included in **Section 16.3**.

7.1.2 Limiting Conditions

The exterior of the Subject Property was visually and/or physically observed from the periphery, including adjacent public thoroughfares for evidence of activities or features that could represent recognized environmental conditions. Observations of exterior features were not obstructed. All accessible interior areas were observed for evidence of storage or activities or features that could represent recognized environmental conditions. Interior areas below floors, above ceilings, and behind walls were not observed. Visibility of the ground surface was not restricted. Hidden conditions may have been unobservable during the site reconnaissance (see Terms and Conditions in Section 16.6).

7.2 General Site Setting

At the time of the site reconnaissance, the Subject Property was comprised of four (4) contiguous parcels of land encompassing approximately 66 acres that previously operated as a golf course. The first, second, and third parcels consist of former golf course land. A shed structure exists on the second parcel. The fourth parcel of the Subject Property is developed with a commercial structure. The structure has been vacant for approximately three (3) years. The remaining portions of the fourth parcel of the Subject Property consist of an asphalt paved parking lot and driveway areas, and vacant grass areas. The adjoining properties consisted of residential and commercial properties, and former golf course land. Commercial and residential development was observed in the study area beyond the adjoining properties.

7.3 Building and Structures

The Subject Property consists of four (4) contiguous parcels encompassing approximately 66 acres of a former golf course known as Heron Bay Golf Course. Heron Bay Golf Course has been vacant for the last approximately three (3) years.

The first parcel of the Subject Property, Heron Run Drive (Parcel ID No. 4841 06 00 0080), consists of an approximately five (5) acre portion of former golf course land on the northeastern portion of the parcel.

The second parcel of the Subject Property (Parcel ID No. 4841 05 01 0134), Nob Hill Road, consists of approximately forty (40) acres of former golf course land and is developed with an approximately 1,000 square foot shed structure that was constructed in 1996.

The third parcel of the Subject Property (Parcel ID No. 4841 05 01 0072), Heron Bay Boulevard, consists of approximately nine (9) acres of former golf course land.

The fourth parcel of the Subject Property (Parcel ID No. 4841 06 01 0010), Heron Bay Boulevard, consists of approximately twelve (12) acres and is developed with an approximately 27,000 square foot, one-story vacant commercial structure. The former occupant of the structure was a clubhouse, pro shop, and restaurant for Heron Bay Golf Course. The structure has been vacant for the last approximately three (3) years. According to the Broward County Property Appraiser's Office, the commercial structure was constructed in 1996. The remaining areas of the fourth parcel of the Subject Property consist of approximately 259,400 square feet of an asphalt paved parking lot and driveways and approximately 236,600 square feet of vacant grass area.

7.4 ABOVEGROUND STORAGE TANKS

One (1) approximately 1,000-gallon high-density polyethylene (HDPE) aboveground storage tank (AST) was observed on the Subject Property during the site reconnaissance. The AST was located on the second parcel of the Subject Property near a shed structure. According to Ms. Jane Early, a representative of the current owner of the Subject Property, the contents of the AST included liquid fertilizer hooked up to the irrigation well in the shed structure and were utilized for the former golf course on the Subject Property. The irrigation well is reportedly no longer in use. Please refer to Section 7.18 for additional information regarding the irrigation well. The AST was not properly labeled with its contents and was not stored in proper secondary containment. The AST was stored over an unpaved, pervious surface with no surrounding staining. Because the AST is no longer utilized for the golf course on the Subject Property, ERMI recommends properly disposing of the AST at a permitted facility. Due to the lack of visible staining in the soil surrounding the AST, the AST is not considered to represent an environmental concern to the Subject Property.

7.5 UNDERGROUND STORAGE TANKS

No USTs, associated dispensers, or piping was observed on the Subject Property during the site reconnaissance.

7.6 ODORS

No unusual odors were noted on the Subject Property on the day of the site reconnaissance.

7.7 POOLS OF LIQUID

Pools, catchment structures, or sumps containing liquids or oily sheen likely to be hazardous substances or petroleum products were not observed on the Subject Property during the site reconnaissance.

7.8 PITS, PONDS, OR LAGOONS

No pits, ponds, or lagoons were observed on the Subject Property during the site reconnaissance. Several retention ponds were observed on the adjoining properties during the site reconnaissance. No oily sheen was observed on the surface of the adjoining retention ponds that would indicate the presence of hazardous substances or petroleum products. The retention ponds collect rainwater and runoff and are not considered to represent an environmental concern to the Subject Property.

7.9 DRUMS

No 55-gallon drums or other storage drums were observed on the Subject Property during the site reconnaissance.

7.10 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCT STORAGE CONTAINERS

No containers identified as containing hazardous substances or petroleum products were observed on the Subject Property during the site reconnaissance.

7.11 UNIDENTIFIED STORAGE CONTAINERS

No unidentified containers containing unidentified substances suspected of being hazardous substances or petroleum products were observed on the Subject Property during the site reconnaissance.

7.12 POLYCHLORINATED BIPHENYLS

No electrical or hydraulic equipment known to contain polychlorinated biphenyls (PCBs) or likely to contain PCBs was visually observed on the Subject Property during the site reconnaissance. Overhead power lines were not observed along the site boundary; no pole mounted transformers were observed. Four (4) pad-mounted transformers were observed on the Subject Property during the site reconnaissance.

PCBs are regulated under the Toxic Substance Control Act (TSCA), which required all users of PCB to comply (by removal and/or replacement of all PCB and PCB containing materials) by 1989-1990. ERMI understands that every public power company in the State of Florida should meet the TSCA compliance criteria. Any transformer in operation prior to 1990 may represent a potential concern if not converted and if PCBs were used. If an environmental condition exists from a transformer which used PCBs, it would be a hidden condition as described in the Contract Agreement. ERMI considers impact from this remote concern to be unlikely. As described in the limitations section, sampling would be the only means to rule out the concern. No evidence to indicate the presence of PCBs was observed on the Subject Property.

7.13 STAINS OR CORROSION

No stains or corrosion indicative of hazardous substances or petroleum products were observed on the Subject Property.

7.14 DRAINS, SUMPS, OR OTHER DISCHARGE FEATURES

Stormwater drains were observed on the paved parking lot of the fourth parcel of the Subject Property during the site reconnaissance. Stormwater drains collect rainwater and runoff and are not considered to represent an environmental concern to the Subject Property.

7.15 STAINED SOIL/PAVEMENT OR STRESSED VEGETATION

No stained soil/pavement or stressed vegetation was observed on the Subject Property during the site reconnaissance.

7.16 SOLID WASTE OR FILL DIRT

No areas that have been filled or graded suggesting construction or demolition debris disposal were observed on the Subject Property.

7.17 WASTEWATERS

No wastewater or other liquids discharged during commercial/industrial processes were observed during the site reconnaissance.

7.18 WELLS

One (1) irrigation well was observed on the Subject Property during the site reconnaissance. An additional irrigation well is identified on the Environmental Database Report (EDR) that was included in the original boundary of the Subject Property; however, the boundaries of the Subject Property changed after the EDR was ordered. The second irrigation well is not included on the Subject Property. Please refer to Section 1.4 for additional information.

The one (1) irrigation well was observed in a shed structure on the second parcel of the Subject Property during the site reconnaissance. According to Ms. Jane Early, a representative of the owner of the Subject Property, the irrigation well is no longer in use and was previously utilized to provide fertilizer to the former golf course on the Subject Property. The fertilizer was stored in an approximately 1,000-gallon HDPE AST that is located outside of the shed structure. The irrigation well appeared to be in poor condition during the site reconnaissance. Ms. Early stated that the North Springs Improvement District (property owner) has plans to remove the irrigation well from the Subject Property.

7.19 SEPTIC SYSTEMS

Based on visual observations made during the site reconnaissance, historical documents reviewed, and interviews, ERMI did not find any evidence of septic systems on the Subject Property. The discovery of a septic system on the Subject Property would be considered a hidden condition as defined in our Contract Agreement.

8.0 INTERVIEWS

8.1 INTERVIEW WITH OWNER(S)/OCCUPANTS

ERMI interviewed Ms. Jane Early, a representative of North Springs Improvement District, the current owner of the Subject Property since approximately 2020. Ms. Early was not aware of any USTs or septic tanks existing on the Subject Property. Ms. Early was aware of the AST and irrigation well on the Subject Property; she stated there are plans to remove them from the Subject Property. Ms. Early stated the commercial structure on the Subject Property has been vacant for approximately three (3) years. No golf course operations have occurred on the Subject Property since this time. Ms. Early stated the historical uses of the Subject Property have consisted of Heron Bay Golf Course and agricultural land. Overall, Ms. Early had no environmental concerns regarding the Subject Property.

8.2 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

ERMI personnel contacted the FDEP's Public Records Request Liaison Department. The Public Request Liaison Department stated that there are no hazardous waste and/or tank files at the FDEP associated with the Subject Property.

9.0 FINDINGS

ERMI has performed a Phase I ESA in conformance with the scope and limitations of the ASTM International Standard E1527-21 of the Subject Property, which consists of four (4) contiguous parcels located at Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road, Coral Springs, Broward County, Florida. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report.

Please refer to Sections 1.4 and 1.5 for the findings, opinions, and conclusions of this report.

10.0 OPINIONS

Please refer to Sections 1.4 and 1.5 for the findings, opinions, and conclusions of this report.

11.0 CONCLUSIONS

Please refer to Sections 1.4 and 1.5 for the findings, opinions, and conclusions of this report.

12.0 DEVIATIONS

Any deviation from the ASTM International Standard E1527-21 Practice that is not listed will have no bearing on the results of this investigation, based on the knowledge and experience of ERMI. Further research services are not considered necessary to achieve the purpose of this Phase I ESA investigation.

12.1 EXCEEDANCES

None for this investigation.

13.0 NON-SCOPE CONSIDERATIONS

13.1 ASBESTOS CONTAINING MATERIALS

The federal Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR Part 61 Subpart M) requires an inspection for asbestos containing materials prior to renovation and demolition of any institutional, commercial, or industrial building. In Florida, the NESHAP requirements are regulated by the FDEP which requires notification prior to demolition or renovation activities that will impact identified Asbestos Containing Materials. Based on the reported construction date of the building in 1996, ERMI considers the Subject Property structure to be a low risk for the presence of asbestos containing materials.

13.2 LEAD-BASED PAINTS

ERMI completed an observational search for lead and lead inclusive materials during the Site reconnaissance completed on August 9, 2022. In general, the painted surfaces were noted to be in fair condition. To provide a more detailed assessment of painted surfaces at the site building, a survey of painted surfaces should be performed. Based on the reported construction date of the building in 1996, ERMI considers the Subject Property structure to be a low risk for the presence of lead-based paints.

13.3 MOLD

Severe indications of water damaged building materials, suspect microbial growth, and moldy/musty odors were observed in the vacant commercial structure of the Subject Property during the site reconnaissance. A full mold inspection was not conducted as part of this assessment.

13.4 WETLANDS

ERMI reviewed the U.S. Fish and Wildlife Service National Wetland Mapper (https://www.fws.gov/wetlands/data/mapper.html) for the Subject Property to identify any suspected wetlands present that may require avoidance or mitigation during any development activities. Wetlands were not identified on the reviewed map. A copy of the wetland map is provided in Section 16.7.

Wetlands are determined based on vegetation present, evidence of wetland hydrology, and the presence of hydric soils. To delineate wetlands on the site a field survey would be required utilizing the methods provided in Section 62-340.300, of the Florida Administrative Code (FAC) and the *Corps of Engineers Wetland Delineation Manual for the Atlantic and Gulf Coastal Plain Region.* Wetland delineation services were not performed during this assessment.

14.0 REFERENCES

- Broward County Property Appraiser
- Environmental Data Management, Inc.
- Aerial Photographs
- Interviews
- U.S. Fish and Wildlife Services National Wetland Mapper

WEBSITES

- Broward County Property Appraiser
- FDEP Petroleum Storage Tank Discharge Databases
- OCULUS
- The Right-To-Know Network
- Hazardous Waste Databases
- University of Florida Digital Maps Library
- FDOT Aerial Photography
- USGS Digital Maps

15.0 QUALIFICATION OF ENVIRONMENTAL PROFESSIONAL

15.1 RESUME OF OLIVIA HILFIKER

Ms. Hilfiker is a graduate from Florida Gulf Coast University with a Bachelor's degree in Environmental Studies in 2018. Since her time at Environmental Risk Management, Ms. Hilfiker has integrated her education and knowledge in ERMI's risk management and due diligence consulting. Her responsibilities at ERMI include: Understanding and abiding by Florida Department of Environmental Protections (FDEP) Standard Operating Procedures (SOPs) related to field operations (i.e., groundwater and soil sample collection); American Society for Testing and Materials (ASTM) requirements, technical report writing, data interpretation and project support.

Experience

Environmental Specialist, Environmental Risk Management (2019-Present)

- Phase I / II Environmental Site Assessments (ESAs)
- Wetland Delineation
- Subsurface Soil and Groundwater Investigations
- Site Assessments
- State-Funded Cleanup Program Sites
- Source Removal
- Contamination Assessments

Education and Certifications

Florida Gulf Coast University, Bachelor of Arts in Environmental Studies - 2018

OSHA 40-Hour HAZWOPER Certificate

15.2 RESUME OF JONATHAN ASCHER

Corporate responsibilities include: Project oversight, Project management, technical report writing and review, remediation design, data interpretation, due diligence consulting, client communication, CAD mapping, site sampling/oversight, business development and marketing, and field communications with staff.

Experience

Senior Project Manager, Environmental Risk Management (2014-Present)

- Phase I and Phase II ESAs
- Site Assessments
- DEP State Funded Cleanup Program Sites
- Source Removal/large scale excavation
- Contamination Assessments
- Pilot Testing
- Well Drilling oversight and testing
- Geoprobe DPT oversight
- Natural Attenuation Monitoring

Laurel Environmental Associates. (2013-2014)

- Phase I and Phase II ESAs
- Geophysical survey oversight
- Evaluate site specific remedial technologies
- Drill crew assistance
- Designing various contamination maps
- Air quality, mold, dust sampling in residential and commercial spaces
- Bulk asbestos sampling in residential and commercial spaces
- Subsurface Soil, Soil Vapor, and Groundwater Investigations

Education and Certifications

M.S. Geological Sciences, Ohio University, Athens, OH (2021)
B.S. Environmental Sciences – Planning, SUNY Oneonta, Oneonta, NY (2013)
Licensed Environmental Professional
OSHA 40 Hour Hazwoper Certified
AHERA Asbestos Inspector

15.3 STATEMENT OF QUALIFICATIONS

Environmental Risk Management (ERMI) was founded in 1999, to provide risk management consulting, turnkey transaction due diligence, assessment and remediation, water quality monitoring, tank closure, stormwater management, environmental forensics, and comprehensive environmental services. Our mission is to manage environmental risks, restore property value and provide economic benefits to our clients. As indicated by our name, we focus on strategies to manage environmental risk to meet our clients' objectives.

Professional License Numbers: Engineering Firm: 00008700; Geology Business: 0000367
FDEP Remediation Agency Term Contractor #542, FDEP Forensic Consultant (GC-671)

Services

Phase I/II Environmental Site Assessments
Asbestos Containing Materials Surveys
Asbestos Abatement Oversight
Indoor Air Quality Assessments
Wetland Delineations
Hazardous Waste Compliance Audits
Brownfields Redevelopment
No Further Action with Controls
Insurance Claim Services
Risk Based Corrective Action
Water Quality Monitoring
Site Assessment Reports
Remedial Action Plans
Site Remediation
Tank Closure
Forensic Investigations
Funding Allocation Agreements
Litigation Support/Expert Witness
Stormwater Services
Spill Prevention, Control and Countermeasure (SPCC) Plans
No Further Action (NFA) Letters

Insurance Coverage

Professional Liability: $5,000,000
General Liability: $5,000,000
Pollution Liability: $5,000,000
Automobile Liability: $1,000,000

Representative Client List

Florida Department of Environmental Protection
Zurich US Environmental Claims Department
Synovus Bank
First Florida Integrity Bank
Centennial Bank
Cogent Bank
First Bank
The Brookline Companies, LLC
Breitburn Energy Partners LP
Benderson Development Company, LLC
City of Naples
City of Fort Myers
Lee County
Streetside Retail

References

Melike Altun, PhD	FDEP Site Manager	(850) 245-8868
Jon Iglehardt	Administrator, South District FDEP	(239) 344-5600
Michael Poff, P.E.	Coastal Engineering Consultants	(239) 643-2324
Bob Fingar	Guilday, Tucker, Schwartz & Simpson, P.A.	(850) 385-1212
Phil Snyderburn	Collier County Pollution Control & Prevention Dept.	(239) 252-5081
David Stevens	Investment Properties Corporation	(239) 261-3400
Jack Barsin	Gulf Coast Insurance	(800) 875-0154
Ned Bowman	Florida Petroleum Marketers Association (FPMA)	(800) 222-4082

Contact Information

Environmental Risk Management
6835 International Center Boulevard, Suite 5
Fort Myers, Florida 33912
www.ermi.net
Email: info@ermi.net
Phone: 1-888-368-6468
Fax: 1-239-415-6407

16.0 APPENDICES

16.1 Site Information
16.2 Site Map
16.3 Site Photographs
16.4 Environmental Database Report
16.5 Regulatory Documents
16.6 Contract Agreement
16.7 National Wetland Inventory Map

16.1
Site Information

Site Address	HERON RUN DRIVE, PARKLAND FL 33076
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 06 00 0080
Millage	3012
Use	80-01

Abbr Legal Description	6-48-41 THAT PART OF N1/2 OF SEC 6 INC'D IN PROPERTY DESC'D IN OR 27435 ON PGS 539 THRU 551 LESS PORTION MITIGATION AREA 4B,5D,5F,5G,5B, 7A & 12A IN OR 30372/1991 AKA: PART OF HERON BAY GOLF COURSE

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$1,365,430		$1,365,430	$1,365,430	
2021	$1,365,430		$1,365,430	$1,365,430	$18,153.22
2020	$1,365,430		$1,365,430	$1,365,430	$72,078.26

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$1,365,430	$1,365,430	$1,365,430	$1,365,430
Portability	0	0	0	0
Assessed/SOH	$1,365,430	$1,365,430	$1,365,430	$1,365,430
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$1,365,430	$1,365,430	$1,365,430	$1,365,430
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-Q	$6,300,000	43716 / 1634
11/21/1997	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

Land Calculations

Price	Factor	Type
$15,682	87.07	AC
Adj. Bldg. S.F.		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
30				NG				
X				NG				
1				87.07				


HERON RUN DR
NW 115TH
NW 115
NW 60TH PL

Site Address	NOB HILL ROAD, PARKLAND FL 33076
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 05 01 0134
Millage	3012
Use	80

Abbr Legal Description	FLA FRUIT LANDS CO SUB NO 2 1-102 PB 5-48-41 PART OF TRACTS 13,14,15 & 16 INC'D IN OR 27435/538 ON PAGES 539 THRU 551 AKA: PART OF HERON BAY GOLF COURSE

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$3,562,510	$1,600	$3,564,110	$3,564,110	
2021	$641,240	$1,600	$642,840	$642,840	$8,546.39
2020	$641,240	$1,600	$642,840	$642,840	$33,956.16

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$3,564,110	$3,564,110	$3,564,110	$3,564,110
Portability	0	0	0	0
Assessed/SOH	$3,564,110	$3,564,110	$3,564,110	$3,564,110
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$3,564,110	$3,564,110	$3,564,110	$3,564,110
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-Q	$6,300,000	43716 / 1634
11/21/1997	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

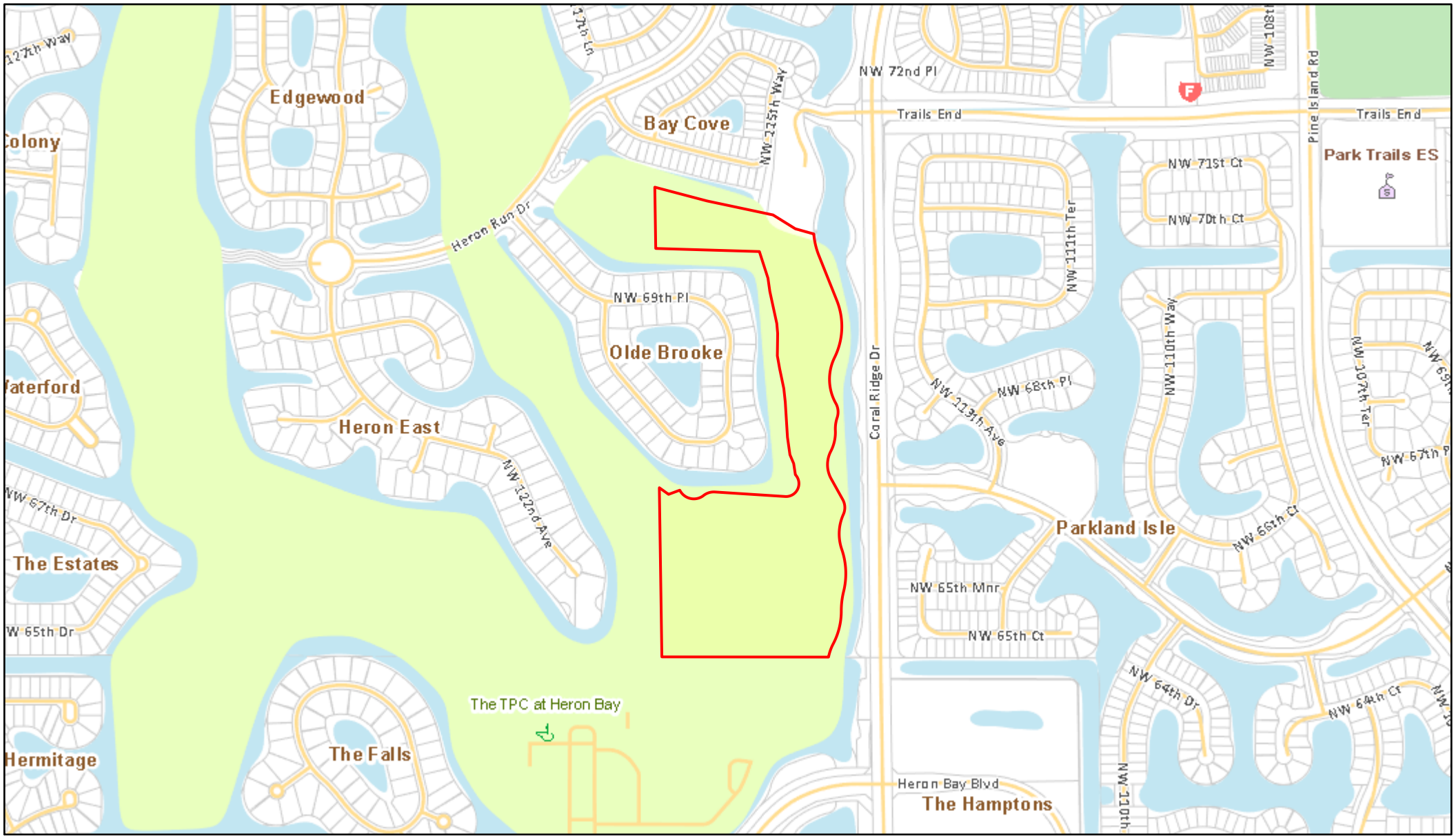
Land Calculations

Price	Factor	Type
$2.00	1,781,254	SF
Adj. Bldg. S.F. (Card, Sketch)		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
30				NG				
X				NG				
1				40.89				

Property Id: 484105010134 **Please see map disclaimer



August 5, 2022

1:9,600

0 440 880 1,760 ft

0 135 270 540 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

Site Address	11801 HERON BAY BOULEVARD, CORAL SPRINGS FL 33076
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 05 01 0072
Millage	2812
Use	80-01

Abbr Legal Description	FLA FRUIT LANDS CO SUB NO 2 1-102 PB 5-48-41 THAT PART OF TRACT 24 INC'D IN OR 27435/538,LESS PT OF TR LYING WITHIN "HERON BAY ONE" & LESS PT DESC'D IN OR 24547/494

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$740,000		$740,000	$740,000	
2021	$133,140		$133,140	$133,140	$1,957.52
2020	$133,140		$133,140	$133,140	$4,772.52

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$740,000	$740,000	$740,000	$740,000
Portability	0	0	0	0
Assessed/SOH	$740,000	$740,000	$740,000	$740,000
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$740,000	$740,000	$740,000	$740,000
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-Q	$6,300,000	43716 / 1634
11/21/1997	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

Land Calculations

Price	Factor	Type
$2.00	370,002	SF
Adj. Bldg. S.F.		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
28				NF		CS		
X				NF				
1				8.49				

Property Id: 484105010072 **Please see map disclaimer

August 5, 2022

1:2,400

0 112.5 225 450 ft

0 30 60 120 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

Site Address	11801 HERON BAY BOULEVARD, CORAL SPRINGS FL 33065
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 06 01 0010
Millage	2812
Use	07

Abbr Legal Description	HERON BAY ONE 159-34 B PART OF PARCEL A DESC'D AS,COMM AT NW COR OF SW1/4 OF SEC 5,SLY 156.83 TO N/L PAR A,NW 23.76,WLY 341.17 TO POB,S 385,W 25,SLY 783.04,W 157,SW 16.97,W 31,N 178 W 29.91,WLY 22.8,WLY & NW 50.66, NW 169.88,NW 75.90,NW 118.80,NW 312.54,NE 731.87,E 281.26 TO POB AKA: PART OF PLAT DESC'D IN OR 27435 ON PAGE 569 PART HERON BAY GOLF COMPLEX

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$205,650	$563,240	$768,890	$768,890	
2021	$205,650	$563,240	$768,890	$768,890	$11,304.90
2020	$205,650	$592,090	$797,740	$797,740	$26,982.08

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$768,890	$768,890	$768,890	$768,890
Portability	0	0	0	0
Assessed/SOH	$768,890	$768,890	$768,890	$768,890
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$768,890	$768,890	$768,890	$768,890
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-Q	$6,300,000	43716 / 1634
11/21/1998	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

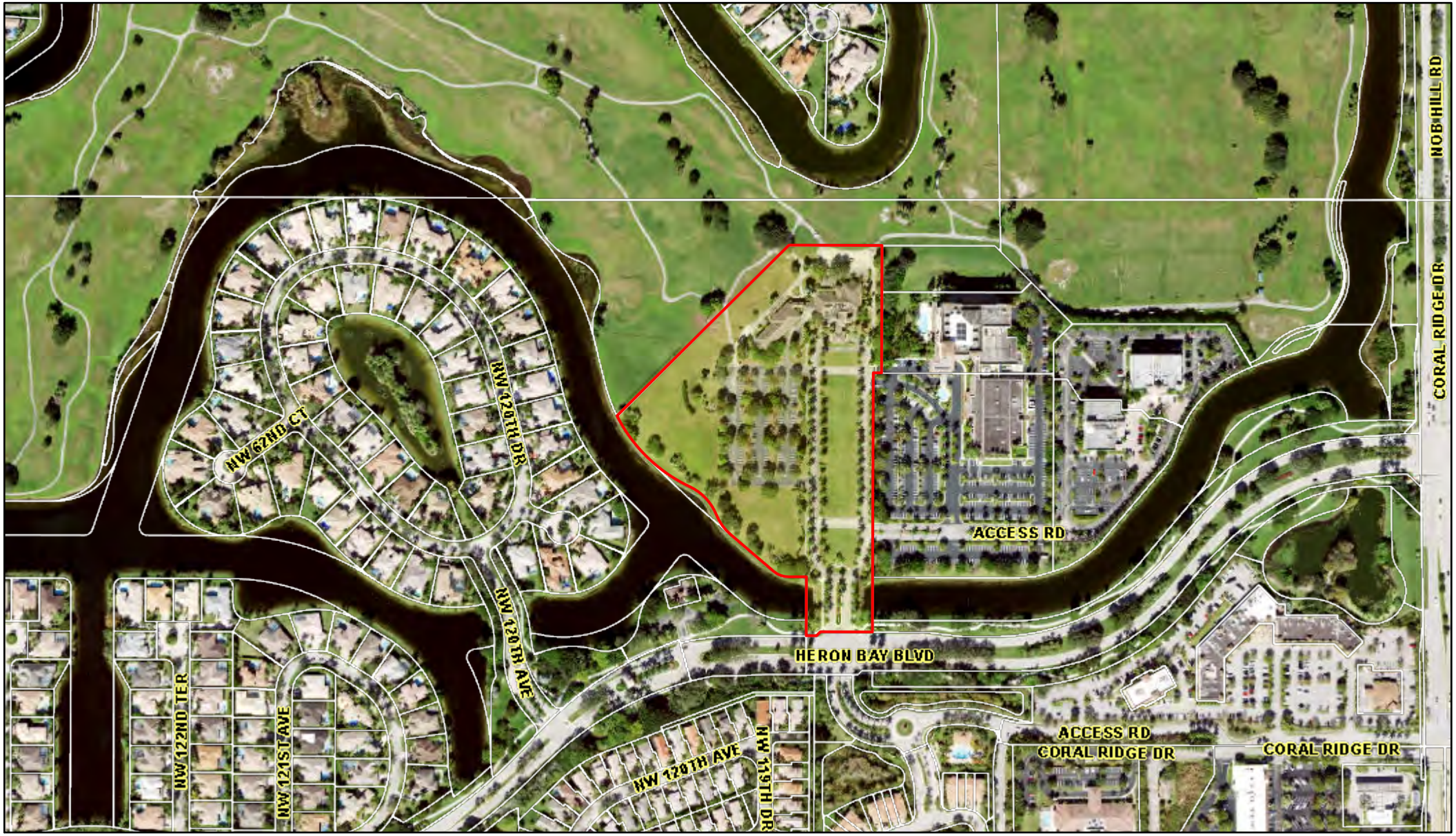
Land Calculations

Price	Factor	Type
$2.00	571,248	SF
Adj. Bldg. S.F. (Card, Sketch)		17016
Eff./Act. Year Built: 1997/1996		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
28				NF		CS		
X				NF				
17016				13.11		39.04		

Property Id: 484106010010 **Please see map disclaimer



August 5, 2022

1:4,800

0 225 450 900 ft

0 65 130 260 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

updated map of 4590A - 4 parcels - ~66 total acres

P.1: ~5 acres

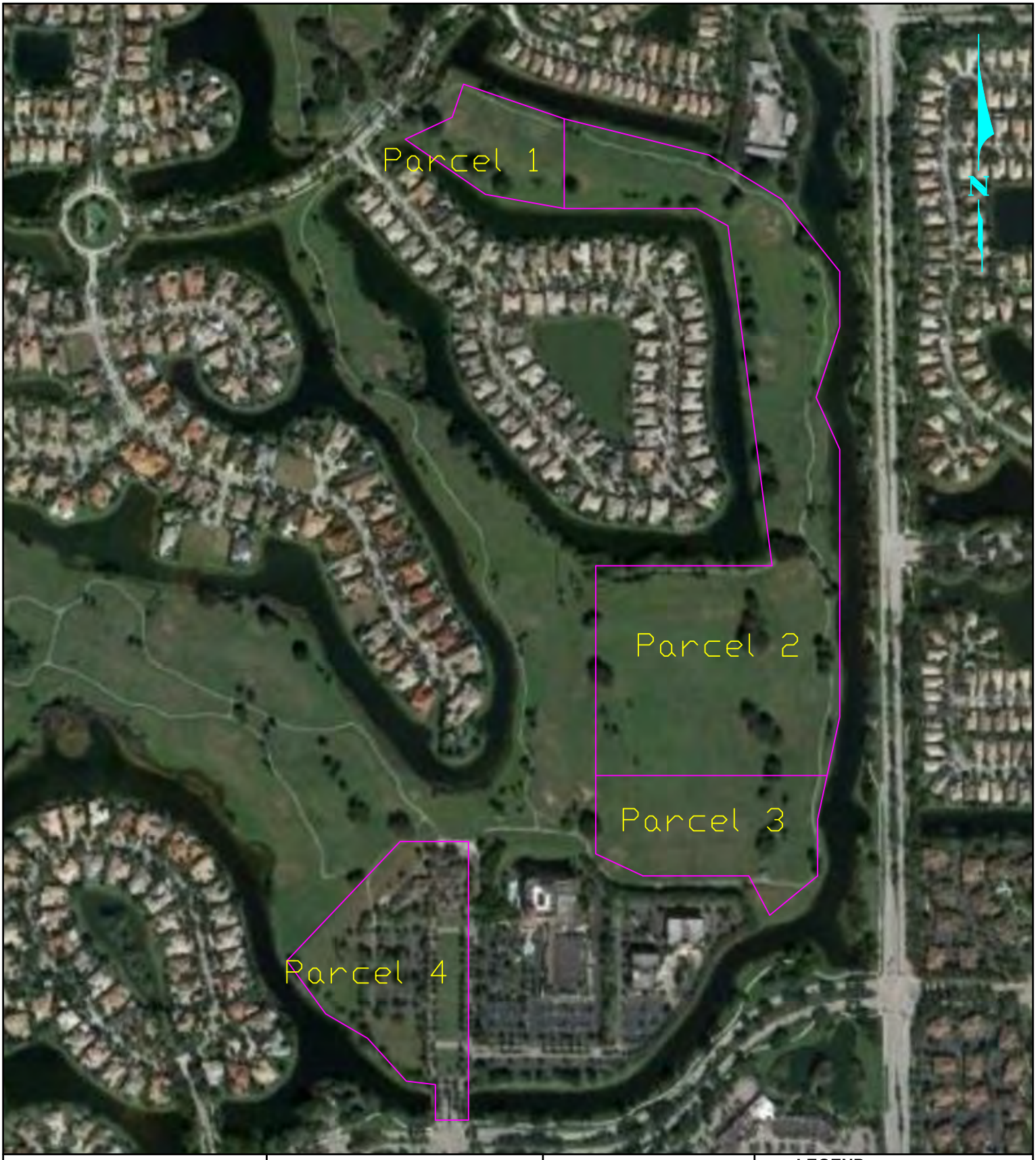
P.2: ~40 acres

P.3: ~9 acres

P.4: ~12 acres

HERON BAY GOLF COURSE

16.2
Site Map



Commercial Property
Heron Bay Blvd, Heron Run Dr, and Nob Hill Rd, Coral Springs, Broward County, Florida 33076

FIGURE 1:
Site Map

Approximate Scale
NTS

DRAFTED BY: OKH

August 2022

ERMI File #: E4590A

REVIEWED BY: JMA

LEGEND

Approximate Property Boundary

ERMI Environmental Risk Management, Inc.
Licensed Engineering & Geology Firm • Assessment & Remediation Consultants

16.3
Site Photographs

Above: A representative view of the commercial structure on the fourth parcel of the Subject Property (Parcel ID No. 4841 06 01 0010) observed during the site reconnaissance.

Above: A representative view of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

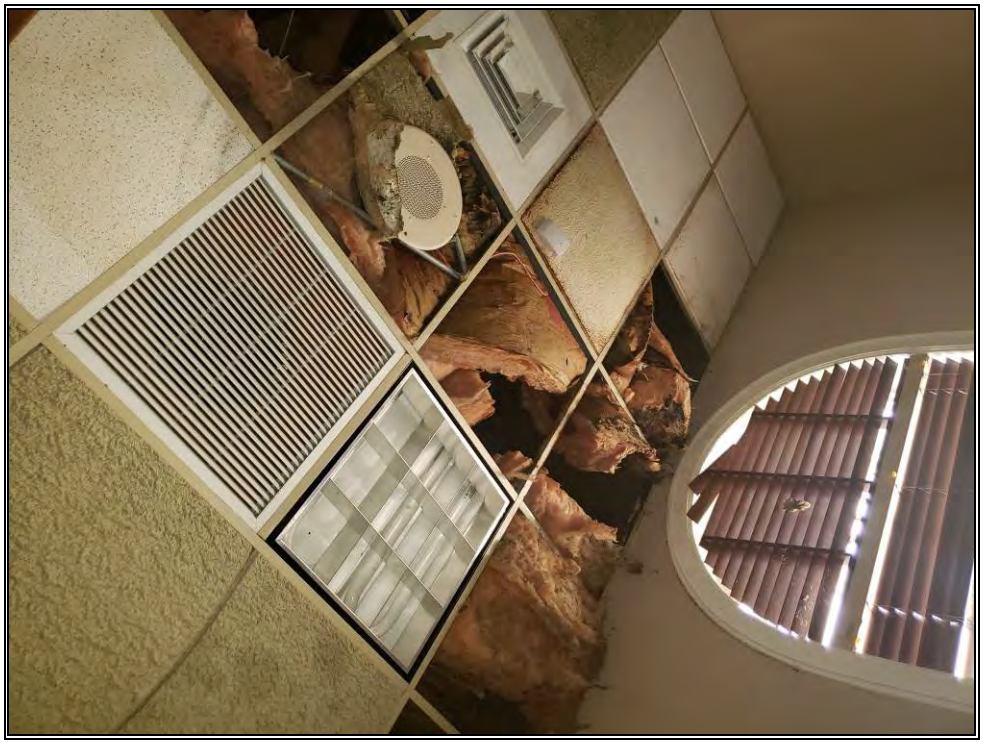
Above: A representative view of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the interior of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the interior of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of mold in the interior of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

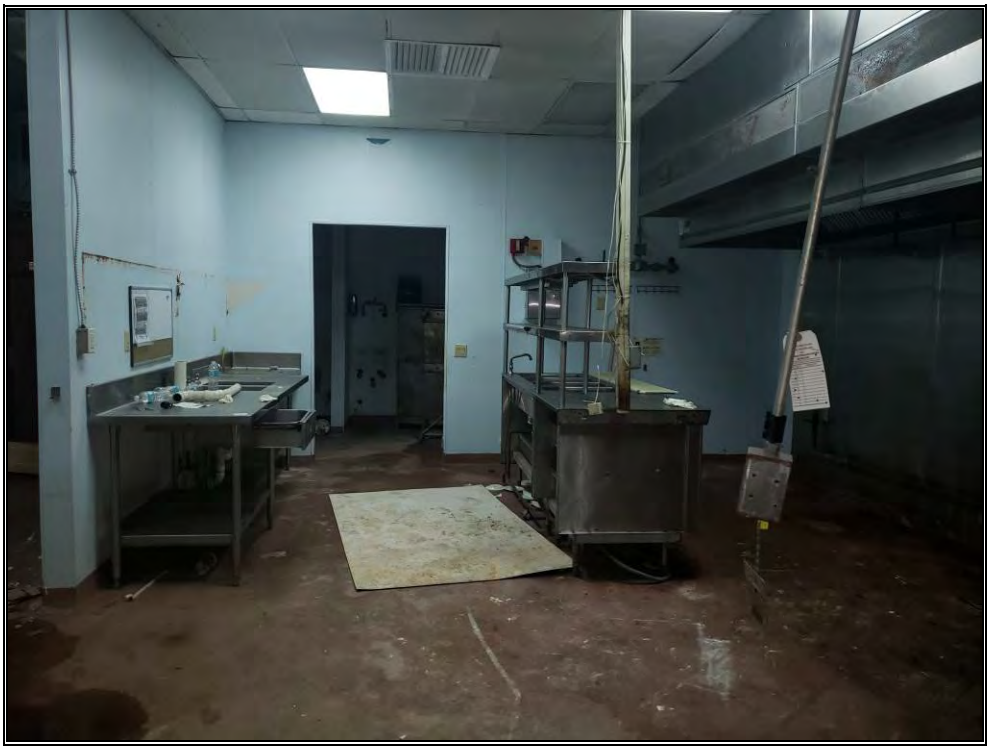
Above: A representative view of mold and water damage in the interior of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.



Above: A representative view of the interior of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the interior of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the interior of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.



Above: A representative view of the interior of the commercial structure on the fourth parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the shed structure on the second parcel of the Subject Property (Parcel ID No. 4841 05 01 0134) observed during the site reconnaissance.

Above: A representative view of the one (1) approximately 1,000-gallon high-density polyethylene (HDPE) aboveground storage tank (AST) containing liquid fertilizer on the second parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the one (1) approximately 1,000-gallon HDPE AST containing liquid fertilizer on the second parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the irrigation well in the shed structure on the second parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the irrigation well in the shed structure on the second parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the irrigation well in the shed structure on the second parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of the interior of the shed structure on the second parcel of the Subject Property observed during the site reconnaissance.

Above: A representative view of a stormwater drain on the Subject Property observed during the site reconnaissance.

Above: A representative view of the former golf course land on the Subject Property observed during the site reconnaissance.

Above: A representative view of the former golf course land on the Subject Property observed during the site reconnaissance.

Above: A representative view of the former golf course land on the Subject Property observed during the site reconnaissance.

Above: A representative view of the former golf course land on the Subject Property and the adjoining retention pond and residential dwellings observed during the site reconnaissance.

Above: A representative view of the adjoining retention pond observed during the site reconnaissance.

Above: A representative view of the active construction area on the west adjoining property observed during the site reconnaissance.

16.4
Environmental Database Report

Environmental Data Report

Standard ASTM Research

Subject Property:

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Prepared For:

Environmental Risk Management, Inc.
6835 International Center Blvd Suite 5
Fort Myers, FL 33912

Prepared By:

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

August 05, 2022

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

August 05, 2022

Olivia Hilfiker
Environmental Risk Management, Inc.
6835 International Center Blvd
Fort Myers, FL 33912

Subject: **Standard ASTM Research - EDM Project #26232**

Dear Ms. Hilfiker

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

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

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

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

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

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

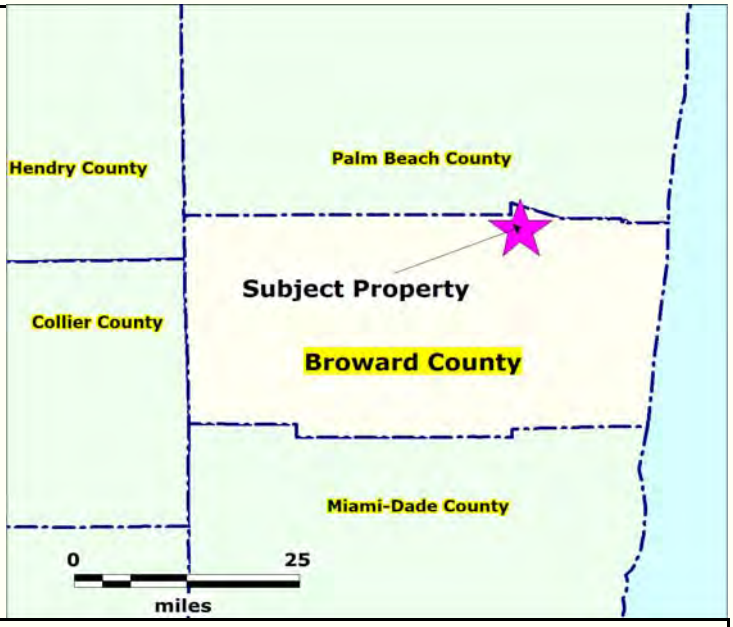
ENVIRONMENTAL DATA MANAGEMENT, INC.

Report Date: 8/5/2022

Executive Summary

Subject Property Location and Physical Setting Information

SUBJECT PROPERTY	Heron Bay Golf Course Five (5) Parcels Coral Springs, Florida 33076
COUNTY	BROWARD
LAT/LON -DMS (NAD 83) -	26 18' 53.244" / -80 16' 48.2952" 26.3148 / -80.2801
APPROX SITE ELEV	10 Feet
SEC-TWN-RNG	05-48S-1E
USGS QUAD	Coral Springs NE-26080-C3
PREDOM WETLAND	UPLAND
PREDOM FLOOD ZONE	NO
FLOOD ZONE TYPE	X - AREA OF MINIMAL FLOOD HAZARD
FEMA FIRM PANEL	12011C0135H
PREDOM SOIL TYP	12-Hallandale fine sand, 0 to 2 percent slopes



EPA RADON DATA FOR BROWARD COUNTY

Zone 3-Low Potential: Zone 3 Counties have a predicted average indoor radon screening level less than 2 pCi/L (pico curies per liter) EPA HYPERLINK http://www.city-data.com/radon-zones/Florida/Florida.html

CDC RADON DATA FOR BROWARD COUNTY

SAMPLE YRS	MEDIAN pCi/L	COMMENTS	CDC HYPERLINK
2005-2014	1.1		https://ephtracking.cdc.gov/DataExplorer/index.html
2006-2015	1.1		https://ephtracking.cdc.gov/DataExplorer/index.html
2007-2016	1.1		https://ephtracking.cdc.gov/DataExplorer/index.html
2008-2017	1.1		https://ephtracking.cdc.gov/DataExplorer/index.html

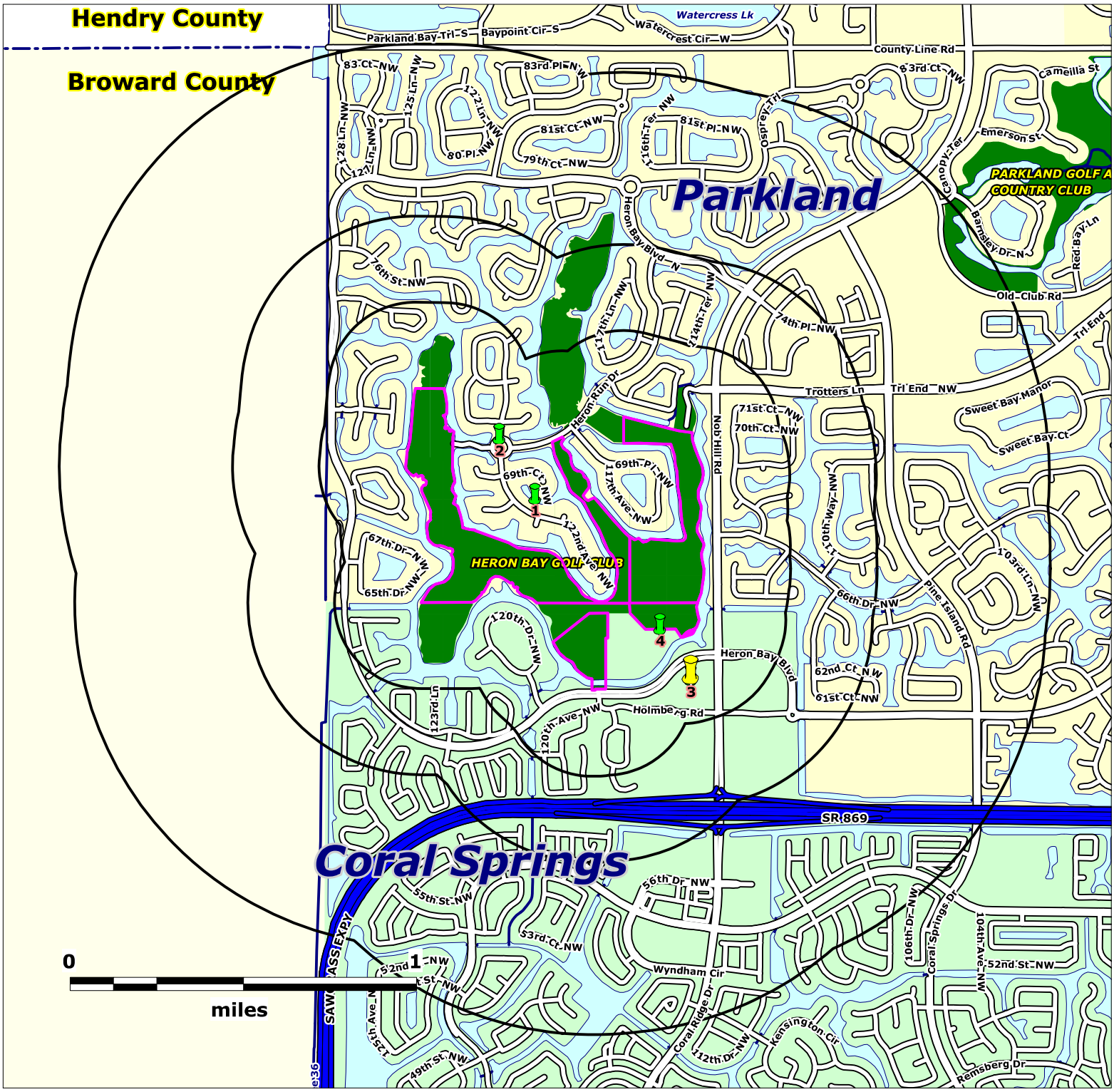
SUBJECT PROPERTY MAP ID NO NA
SUBJECT PROPERTY LIST NONE

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

AGENCY DATABASES RESEARCHED	Max Search Radius (Miles)	Subject Property	From 0 - 0.25 mile	From 0.26 - 0.5 mile	From 0.51 - 1 mile	Total # Found
EPA DATABASES						
National Priorities List(NPL)	1.00	0	0	0	0	**0**
SEMS Active Site Inventory List(SEMSACTV)	0.50	0	0	0	N/A	**0**
Comp Env Resp, Compensation & Liability Info Sys List(CERCLIS)	0.50	0	0	0	N/A	**0**
SEMS Archived Site Inventory List(SEMSARCH)	0.50	0	0	0	N/A	**0**
Archived Cerclis Sites(NFRAP)	0.50	0	0	0	N/A	**0**
Emergency Response Notification System List(ERNS)	0.25	0	0	N/A	N/A	**0**
RCRIS Handlers with Corrective Action(CORRACTS)	1.00	0	0	0	0	**0**
RCRA-Treatment, Storage and/or Disposal Sites(TSD)	1.00	0	0	0	0	**0**
RCRA-LQG,SQG,CESQG and Transporters(NONTSD)	0.25	0	1	N/A	N/A	**1**
Tribal Tanks List(TRIBLTANKS)	0.25	0	0	N/A	N/A	**0**
Tribal Lust List(TRIBLLUST)	0.50	0	0	0	N/A	**0**

AGENCY DATABASES RESEARCHED	Max Search Radius (Miles)	Subject Property	From 0 - 0.25 mile	From 0.26 - 0.5 mile	From 0.51 - 1 mile	Total # Found
Brownfields Management System(USBRWNFLDS)	0.50	0	0	0	N/A	**0**
Institutional and/or Engineering Controls(USINSTENG)	0.25	0	0	N/A	N/A	**0**
NPL Liens List(NPLLIENS)	1.00	0	0	0	0	**0**
Enforcement and Compliance History(ECHO)	0.25	0	2	N/A	N/A	**2**
FDEP DATABASES						
State NPL Equivalent(STNPL)	1.00	0	0	0	0	**0**
State CERCLIS/SEMS Equivalent(STCERC)	0.50	0	0	0	N/A	**0**
Solid Waste Facilities List(SLDWST)	0.50	0	0	0	N/A	**0**
Leaking Underground Storage Tanks List(LUST)	0.50	0	0	0	N/A	**0**
Underground/Aboveground Storage Tanks(TANKS)	0.25	0	0	N/A	N/A	**0**
State Designated Brownfields(BRWNFLDS)	0.50	0	0	0	N/A	**0**
Voluntary Cleanup List(VOLCLNUP)	0.50	0	0	0	N/A	**0**
Institutional and/or Engineering Controls(INSTENG)	0.25	0	0	N/A	N/A	**0**
Dry Cleaners List(DRY)	0.50	0	1	0	N/A	**1**
FDEP Public Water Systems(FLPWS)	0.50	0	0	0	N/A	**0**
FDOH DATABASES						
FDOH Well Surveillance Program Public Water Wells(WELLSADOHC)	0.50	1	0	1	N/A	**2**
FDOH Well Surveillance Program Private Water Wells(WELLSADOHN)	0.25	0	0	N/A	N/A	**0**
WMD DATABASES						
SWFWMD Public Water Supply Report(SWFWMDPUB)	0.50	0	0	0	N/A	**0**
SWFWMD Domestic Water Supply Report(SWFWMDDOM)	0.25	0	0	N/A	N/A	**0**
SJRWMD Public Water Supply Report(SJRWMDPUB)	0.50	0	0	0	N/A	**0**
SJRWMD Private Water Well Report(SJRWMDPRV)	0.25	0	0	N/A	N/A	**0**
SFWMD Public Water Supply Report(SFWMDPUB)	0.50	0	0	0	N/A	**0**
SFWMD Private Water Well Report(SFWMDPRV)	0.25	3	15	N/A	N/A	**18**

Standard ASTM Research Report
Street Map



Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

Subject Property

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

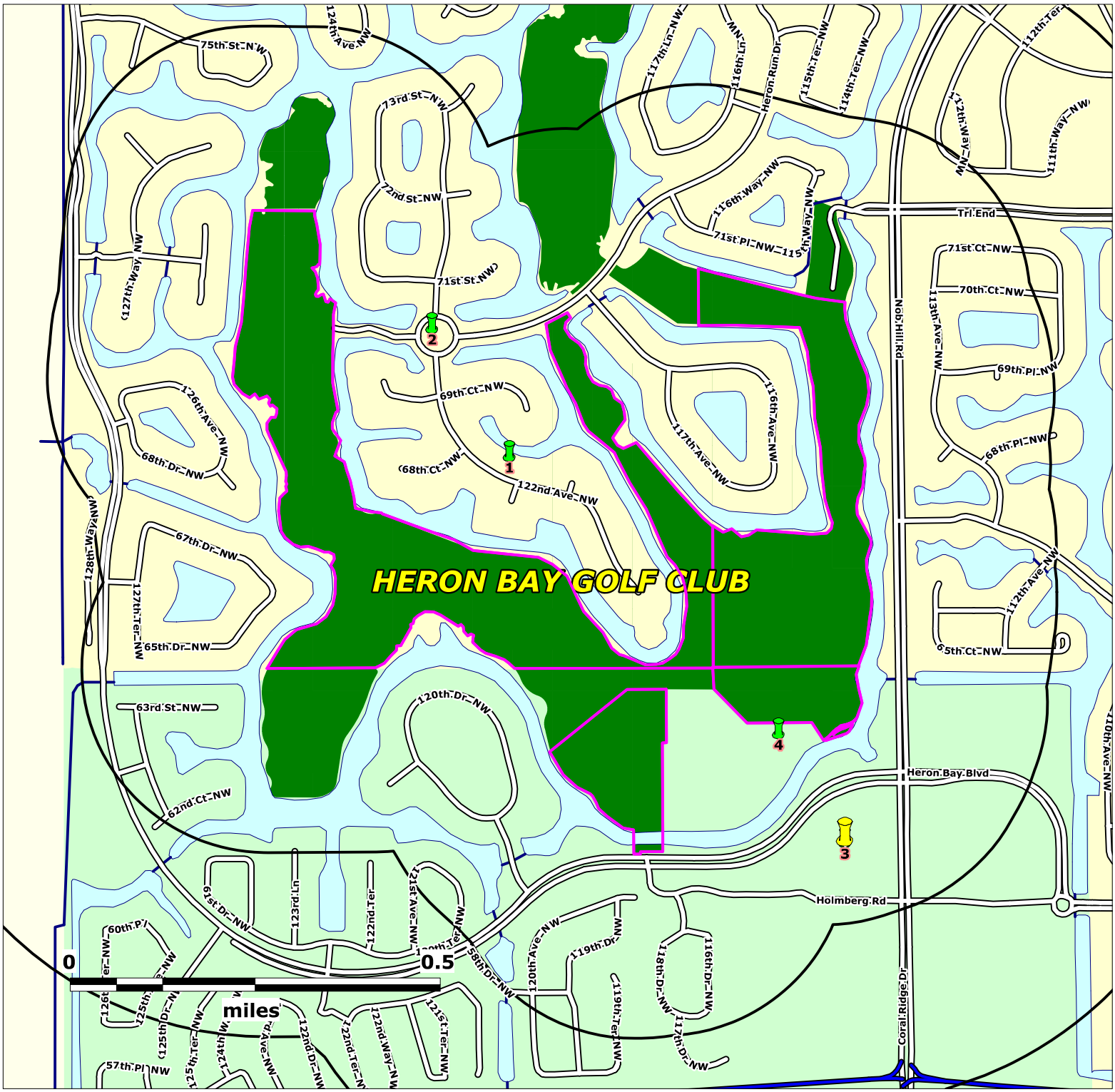
Approximate Site Boundary

NPL, STNPL, NPLLIENS, CORRACTS & TSD sites - 1 Mile Radius

CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius

ERNS, NONTSD, ECHO, TANKS & INSTENG sites - 1/4 Mile Radius

Standard ASTM Research Report
Street Map



Source: US Census Bureau TIGER Files

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ERNS, NONTSD, ECHO, TANKS & INSTENG sites - 1/4 Mile Radius

Standard ASTM Research Report
2020 Aerial Photo

Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

Subject Property

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

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Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

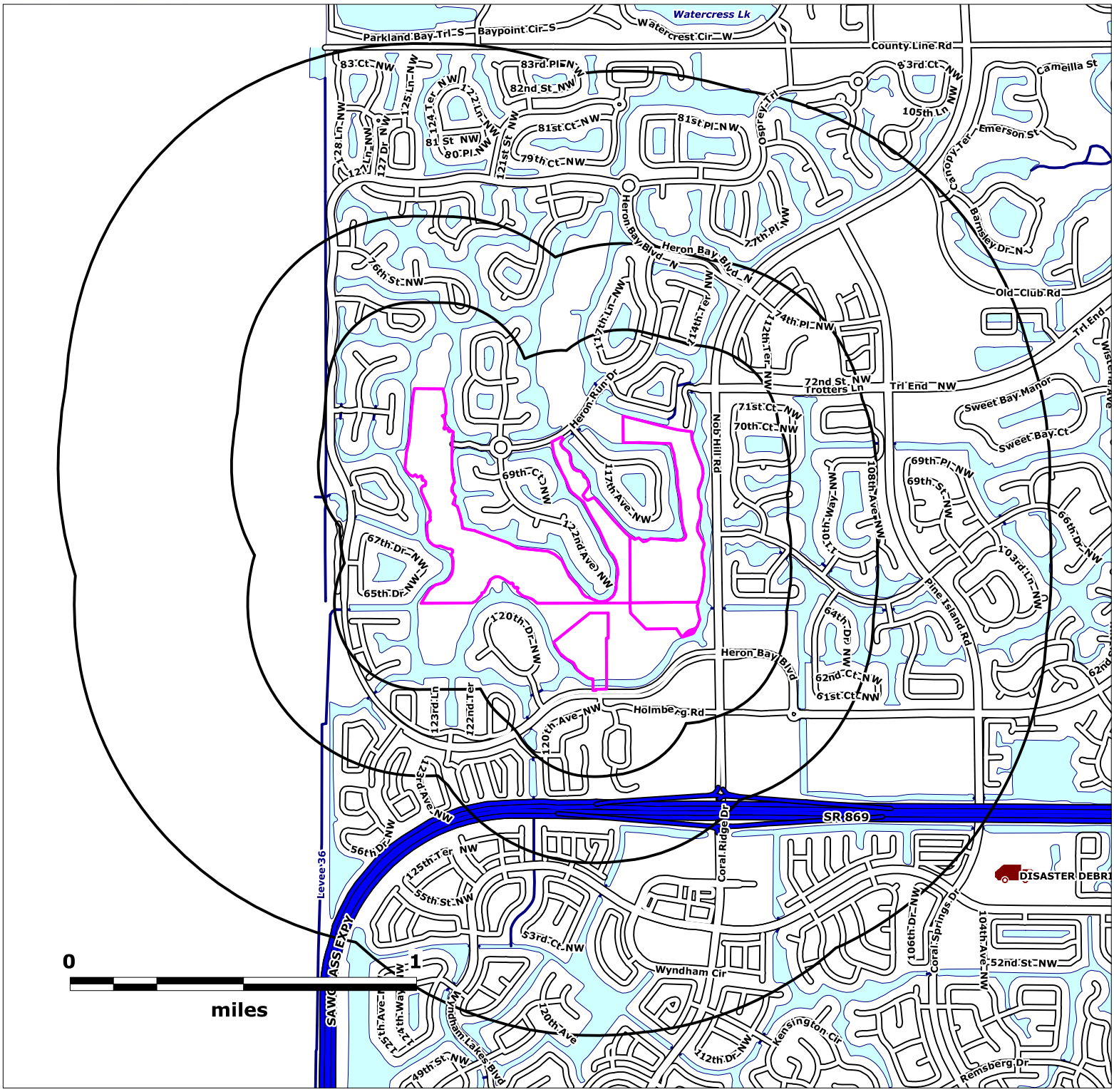
Approximate Site Boundary

NPL, STNPL, NPLLIENS, CORRACTS & TSD sites - 1 Mile Radius

CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius

ERNS, NONTSD, ECHO, TANKS & INSTENG sites - 1/4 Mile Radius

Standard ASTM Research Report
Environmental Impact Areas Map



Source: FDEP and USEPA Geodata

Map Scale and Property Boundaries are Approximate

Subject Property

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

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

ENVIRONMENTAL DATA MANAGEMENT

Standard ASTM Research

Site Summary Table

Report Date: 8/5/2022

MapID Prgm List	Fac ID No	Site Dist (mi)	Site Dir	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1 ECHO	110064407896	0.11	W	11.37	Higher	HERON BAY LOT 20	6830 NW 122ND AVE PARKLAND, FL 33076
2 ECHO	110024576797	0.13	W	10.30	Higher	HERON ESTATES	HERON RUN DR & NW 122ND AVE PARKLAND, FL 33076
3 DRY	9811148	0.15	S	11.46	Higher	HERON BAY ELITE DRY CLEANERS	6240 CORAL RIDGE DR CORAL SPRINGS, FL 33076
4 NONTSD	FLR000249433	0.03	S	7.00	Lower	CHEMTEC NORTH AMERICA LLC	11555 HERON BAY BLVD CORAL SPRINGS, FL 33076

USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

FRS ID NUMBER, NAME AND LOCATION:

110064407896
HERON BAY LOT 20
6830 NW 122ND AVE
PARKLAND, FL 33076

EPA REG: 04
TRIBAL?: N
FED FAC?:
COUNTY: BROWARD COUNTY
AGENCY LAT/LON: 26.31475/ -80.2875

MAP ID NUMBER: 1
Dist (Miles): 0.11
Direction: W
Elev (Ft): 11.37
Elev vs Sub Prop: Higher

ECHO

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

GENERAL FACILITY INFO:

AFS ID?: N
NPDES ID?: Y
SDWISID?: N
RCRAInfo ID?: N
TRIS ID?: N
GHG ID?: N
FAC SIC CODES:
FAC NAICS CODES:
TRIS REPORTER?:
FIPS CODE: 12011
HUC CODE: 03090202
AIR NAA? N
WBD CODE: 030902061100
CONG DIST: 21
CENSUS BLK: 12011010503204
MAJ FAC?:
ACTV PERM?:
% MINORITY WITHIN 3 MI: 40.39
POP /SQ MI WITHIN 3 MI: 1556.55
TRIBAL WITHIN 25 MI: Seminole Tribe of Florida - 5.9 mile(s), Seminole Tribe of Florida - 15.5 mile(s), Seminole Tribe of Florida - 18.5 mile(s)

 # INSPS IN 5 YRS: 0
LAST INSP:
DAYS LAST INSP:
 # INFORMAL ENF ACTS LAST 5 YRS : 0
LAST INFORMAL ENF ACT :
 # FORMAL ENF ACTS LAST 5 YRS : 0
LAST FORMAL ENF ACT :
 # PENALTIES ASSESSED LAST 5 YRS : 0
TOTAL PENALTIES ASSESSED : 0
LAST PENALTY AMT :

LAST EPA INSP:
LAST STATE INSP:
LAST FORMAL EPA ENF:
LAST FORMAL STATE ENF:
LAST INFORMAL EPA ENF:
LAST INFORMAL STATE ENF:
FAC FED AGENCY:
FAC IMP WATERS DISCHARGER: Y

QTRS NONCMPL LAST 5 YRS: 0
PGMS IN NONCOMPL: 0
CURR COMPL:
CURR IN SNC?: N
3YR QRTLY COMPL STATUS:

CLEAN AIR ACT INFO:

ICIS AIR ID:
CAA PERMIT TYPE:
NAICS CODE:
SIC CODE:
CAA INSPS IN LAST 5 YRS:
CAA DAYS LAST INSPN:
 # CAA INFORMAL ENF ACTS LAST 5 YRS:
 # CAA FORMAL ENF ACTS LAST 5 YRS:
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:
CAA LAST PENALTY DATE:
CAA LAST PENALTY AMT:
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:
CAA CURR HPV/SNC FLAG: N
CAA 3YR QRTLY COMPL STATUS:

CLEAN WATER ACT INFO:

NPDES ID: FLR10PE01
CWA PERMIT TYPE: Minor
NAICS CODE:
SIC CODE:
CWA INSPS IN LAST 5 YRS:
CWA DAYS LAST INSPN:
 # CWA INFORMAL ENF ACTS LAST 5 YRS:

CWA TOTAL PENALTIES:
CWA LAST PENALTY DATE:
CWA LAST PENALTY AMT:
CWA QTRS NONCMPL LAST 5 YRS: 0

CWA CURR COMPL: Terminated Permit
CWA CURR HPV/SNC FLAG: N
CWA 3YR QRTLY COMPL STATUS:

CWA 3YR QRTS EFFL EXCEED:

USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

 # CWA FORMAL ENF ACTS LAST 5 YRS:
CWA DATE LAST FORMAL ACTION:

RCRIS INFO:

RCRA ID:
RCRA PERMIT TYPE:
NAICS CODE:
RCRA INSPS IN LAST 5 YRS:
RCRA DAYS LAST EVAL:
 # RCRA INFORMAL ENF ACTS LAST 5 YRS:
 # RCRA FORMAL ENF ACTS LAST 5 YRS:
RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:
RCRA LAST PENALTY DATE:
RCRA LAST PENALTY AMT:
RCRA QTRS NONCMPL LAST 5 YRS:

RCRA CURR COMPL:
RCRA CURR HPV/SNC FLAG: N
RCRA 3YR QRTLY COMPL STATU

SDWA INFO:

SDWA ID:
SWDA SYST TYPE:
 # SDWA INFORMAL ENF ACTS LAST 5 YRS:
 # SDWA FORMAL ENF ACTS LAST 5 YRS:
SDWA CURR COMPL:
SDWA CURR HPV/SNC FLAG: N

TRIS INFO:

TRIS ID:
TRIS TOTAL LBS ONSITE/OFFSITE:
TRIS LBS REL ONSITE:
TRIS LBS TXFR OFFSITE:
TRIS PAST RPTS?:

FED ENF INFO:

TOTAL FEC CASES 5 YRS:
FEC LAST DATE:
FEC TOTAL PENLTY:

GRN HOUSE GAS INFO:

GHG ID:

GHG EMMISSIONS MT: N

USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

FRS ID NUMBER, NAME AND LOCATION:

110024576797
HERON ESTATES
HERON RUN DR & NW 122ND AVE
PARKLAND, FL 33076

EPA REG: 04
TRIBAL?: N
FED FAC?:
COUNTY: BROWARD
AGENCY LAT/LON: 26.314444/ -80.286944

MAP ID NUMBER: 2
Dist (Miles): 0.13
Direction: W
Elev (Ft): 10.30
Elev vs Sub Prop: Higher

ECHO

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

GENERAL FACILITY INFO:

AFS ID?: N
NPDES ID?: Y
SDWISID?: N
RCRAInfo ID?: N
TRIS ID?: N
GHG ID?: N
FAC SIC CODES:
FAC NAICS CODES:
TRIS REPORTER?:
FIPS CODE: 12011
HUC CODE: 03090202
AIR NAA? N
WBD CODE: 030902061100
CONG DIST: 21
CENSUS BLK: 12011010503204
MAJ FAC?:
ACTV PERM?:
% MINORITY WITHIN 3 MI: 40.441
POP /SQ MI WITHIN 3 MI: 1568.76
TRIBAL WITHIN 25 MI: Seminole Tribe of Florida - 5.9 mile(s), Seminole Tribe of Florida - 15.4 mile(s), Seminole Tribe of Florida - 18.5 mile(s)

 # INSPS IN 5 YRS: 0
LAST INSP:
DAYS LAST INSP:
 # INFORMAL ENF ACTS LAST 5 YRS : 0
LAST INFORMAL ENF ACT :
 # FORMAL ENF ACTS LAST 5 YRS : 0
LAST FORMAL ENF ACT :
 # PENALTIES ASSESSED LAST 5 YRS : 0
TOTAL PENALTIES ASSESSED : 0
LAST PENALTY AMT :

LAST EPA INSP:
LAST STATE INSP:
LAST FORMAL EPA ENF:
LAST FORMAL STATE ENF:
LAST INFORMAL EPA ENF:
LAST INFORMAL STATE ENF:
FAC FED AGENCY:
FAC IMP WATERS DISCHARGER: Y

QTRS NONCMPL LAST 5 YRS: 0
PGMS IN NONCOMPL: 0
CURR COMPL:
CURR IN SNC?: N
3YR QRTLY COMPL STATUS:

CLEAN AIR ACT INFO:

ICIS AIR ID:
CAA PERMIT TYPE:
NAICS CODE:
SIC CODE:
CAA INSPS IN LAST 5 YRS:
CAA DAYS LAST INSPN:
 # CAA INFORMAL ENF ACTS LAST 5 YRS:
 # CAA FORMAL ENF ACTS LAST 5 YRS:
CAA DATE LAST FORMAL ACTION:

CAA TOTAL PENALTIES:
CAA LAST PENALTY DATE:
CAA LAST PENALTY AMT:
CAA QTRS NONCMPL LAST 5 YRS:

CAA CURR COMPL:
CAA CURR HPV/SNC FLAG: N
CAA 3YR QRTLY COMPL STATUS:

CLEAN WATER ACT INFO:

NPDES ID: FLR10CJ29
CWA PERMIT TYPE: Minor
NAICS CODE:
SIC CODE:
CWA INSPS IN LAST 5 YRS:
CWA DAYS LAST INSPN:
 # CWA INFORMAL ENF ACTS LAST 5 YRS:

CWA TOTAL PENALTIES:
CWA LAST PENALTY DATE:
CWA LAST PENALTY AMT:
CWA QTRS NONCMPL LAST 5 YRS: 0

CWA CURR COMPL: Terminated Permit
CWA CURR HPV/SNC FLAG: N
CWA 3YR QRTLY COMPL STATUS:

CWA 3YR QRTS EFFL EXCEED:

USEPA ENFORCEMENT AND COMPLIANCE HISTORY

(ECHO)

 # CWA FORMAL ENF ACTS LAST 5 YRS:
CWA DATE LAST FORMAL ACTION:

RCRIS INFO:

RCRA ID:
RCRA PERMIT TYPE:
NAICS CODE:
RCRA INSPS IN LAST 5 YRS:
RCRA DAYS LAST EVAL:
 # RCRA INFORMAL ENF ACTS LAST 5 YRS:
 # RCRA FORMAL ENF ACTS LAST 5 YRS:
RCRA DATE LAST FORMAL ACTION:

RCRA TOTAL PENALTIES:
RCRA LAST PENALTY DATE:
RCRA LAST PENALTY AMT:
RCRA QTRS NONCMPL LAST 5 YRS:

RCRA CURR COMPL:
RCRA CURR HPV/SNC FLAG: N
RCRA 3YR QRTLY COMPL STATU

SDWA INFO:

SDWA ID:
SWDA SYST TYPE:
 # SDWA INFORMAL ENF ACTS LAST 5 YRS:
 # SDWA FORMAL ENF ACTS LAST 5 YRS:
SDWA CURR COMPL:
SDWA CURR HPV/SNC FLAG: N

TRIS INFO:

TRIS ID:
TRIS TOTAL LBS ONSITE/OFFSITE:
TRIS LBS REL ONSITE:
TRIS LBS TXFR OFFSITE:
TRIS PAST RPTS?:

FED ENF INFO:

TOTAL FEC CASES 5 YRS:
FEC LAST DATE:
FEC TOTAL PENLTY:

GRN HOUSE GAS INFO:

GHG ID:

GHG EMMISSIONS MT: N

FDEP DRY CLEANING FACILITIES LIST

FACILITY ID NUMBER, NAME AND LOCATION

9811148
HERON BAY ELITE DRY CLEANERS
6240 CORAL RIDGE DR
CORAL SPRINGS, FL 33076

Facility Telephone (954)341-9811
Fac Status OPEN
Facility Type 1 - Drycleaner
PRIORITY RANKING: **Rank:** **Score:**

MAP ID NUMBER: 3
Dist (Miles): 0.15
Direction: S
Elev (Ft): 11.46
Elev vs Sub Prop: Higher

DRY

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

RELATED PARTY TYPE: **TANK OPERATOR** **RP ID** 64278 **Start Date** 2/27/2009 **RP Contact:** CYROOS AYANDEH (954)341-9811
AYANDEH, CYROOS-- 6240 CORAL RIDGE DR ATTN: CYROOS AYANDEH CORAL SPRINGS, FL 33076

RELATED PARTY TYPE: **ACCOUNT OWNER** **RP ID** 64278 **Start Date** 2/27/2009 **RP Contact:** CYROOS AYANDEH (954)341-9811
AYANDEH, CYROOS-- 6240 CORAL RIDGE DR ATTN: CYROOS AYANDEH CORAL SPRINGS, FL 33076

RELATED PARTY TYPE: **FACILITY OWNER** **RP ID** 64278 **Start Date** 2/27/2009 **RP Contact:** RICKY ATMODIMEDJO (954)341-9811
AYANDEH, CYROOS-- 6240 CORAL RIDGE DR ATTN: RICKY ATMODIMEDJO CORAL SPRINGS, FL 33076

RELATED PARTY TYPE: **PROPERTY OWNER** **RP ID** 64279 **Start Date** 2/27/2009 **RP Contact:** ADAM REISS (954)452-5000
HERON BAY WATERWAY HOPPES LLC-- 3325 S UNIVERSITY DR ATTN: ADAM REISS STE 210 DAVIE, FL 33328

DRY CLEANER CLEANUP PROGRAM DATA:

Facility Name:
Address:
City:
County:
District:
Agcy Lat/Lon: /
On Line Documents:

ERIC ID:
Program:
Manager:
Status:

USEPA RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION (RCRAInfo)

(NONTSD)

FACILITY ID NUMBER, NAME AND LOCATION

FLR000249433
CHEMTEC NORTH AMERICA LLC
11555 HERON BAY BLVD
CORAL SPRINGS, FL 33076-3362

EPA ENVIROFACTS ON LINE REPORT (May Not Be Available For All Records)

CONTACT INFORMATION:

11555 HERON BAY BLVD STE 200
CORAL SPRINGS FL 33076-0000
Contact: CLAUDE ALEVY
Contact Telephone: 954-829-1352
Contact Email: C.ALEVY@CHEMTECAMERIC
Agency Lat - Lon:

MAP ID NUMBER: 4

Dist (Miles): 0.03
Direction: S
Elev (Ft): 7.00
Elev vs Sub Prop: Lower

NONTSD

BRS Reported Waste:

D001/Ignitable waste
D002/Corrosive waste

RCRIS INFORMATION

NOTIFICATION DATE: 7/29/2021 **SOURCE:** NOTIFICATION

TSD?: NOT A TSD,VERIFIED
GEN STATUS(Fed): SMALL QUANTITY GENERATOR(<1000 KG PER MONTH)
GEN STATUS(State): SMALL QUANTITY GENERATOR(<1000 KG PER MONTH)
MIXED WSTE GEN?:
IMPORTER?: N
OFFSITE RECPT?: N
TRANSPORTER?: NOT A TRANSPORTER,VERIFIED
XFER FAC?: N
SHRT TRM GEN?: N
RECYCLER?: N
NON-NOTIFIER?:

UNIV WST DEST?: N
ON SITE BURNER?: N
FURNACE?: N
UNDGRND INJ?: NO UNDERGROUND INJECT
UO BURNER?: N
UO PROC?: N
UO RECY?: N
UO TRANS?: N
UO XFER?: N
UO MRKT BRN?: N
UO SPEC MRKT?: N

VIOLATION INFO

ENVIRONMENTAL DATA MANAGEMENT

Standard ASTM Research

Proximal Site Summary Table

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

MapID / Prgm List	Fac ID No	Site Dist (mi)	Site Dir	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
1A							
NONTSD	FLR000245977	0.25	S	11.61	Higher	PUBLIX SUPER MARKET #678	5950 CORAL RIDGE DR CORAL SPRINGS, FL 33076
TANKS	9808489	0.25	S	11.61	Higher	PUBLIX SUPER MARKET #678	5950 CORAL RIDGE DR CORAL SPRINGS, FL 33076
2A							
TANKS	9802929	0.26	S	15.21	Higher	SHELL-NORTH CORAL	5966 CORAL RIDGE DR CORAL SPRINGS, FL 33076
3A							
ECHO	110037473686	0.43	NE	10.89	Higher	PARKLAND RESERVE - POD B	UNKNOWN PARKLAND, FL 33076
4A							
ECHO	110012582062	0.44	S	11.68	Higher	WALMART SUPERCENTER #2963	6001 CORAL RIDGE DR CORAL SPRINGS, FL 33076
NONTSD	FLR000078675	0.44	S	11.68	Higher	WALMART SUPERCENTER #2963	6001 CORAL RIDGE DR CORAL SPRINGS, FL 330763306
TANKS	9815789	0.44	S	11.68	Higher	WALMART 2963 - POWERSECURE	6001 CORAL RIDGE DR CORAL SPRINGS, FL 33076
5A							
LUST	9807048	0.61	SW	10.23	Higher	LOGISTICS EXPRESS 04-2I-0007	SAWGRASS EXPRESSWAY MM 13 CORAL SPRINGS, FL 33076
6A							
LUST	9805192	0.69	E	8.58	Lower	PARKLAND GOLF & COUNTRY CLUB	TRAILS END & PINE ISLAND RD PARKLAND, FL 33076
7A							
NONTSD	FLR000235226	0.35	SE	10.00	Lower	PEDIATRIC ASSOCIATES HERON BAY	5810 CORAL RIDGE DR STE 300 CORAL SPRINGS, FL 33076

ENVIRONMENTAL DATA MANAGEMENT

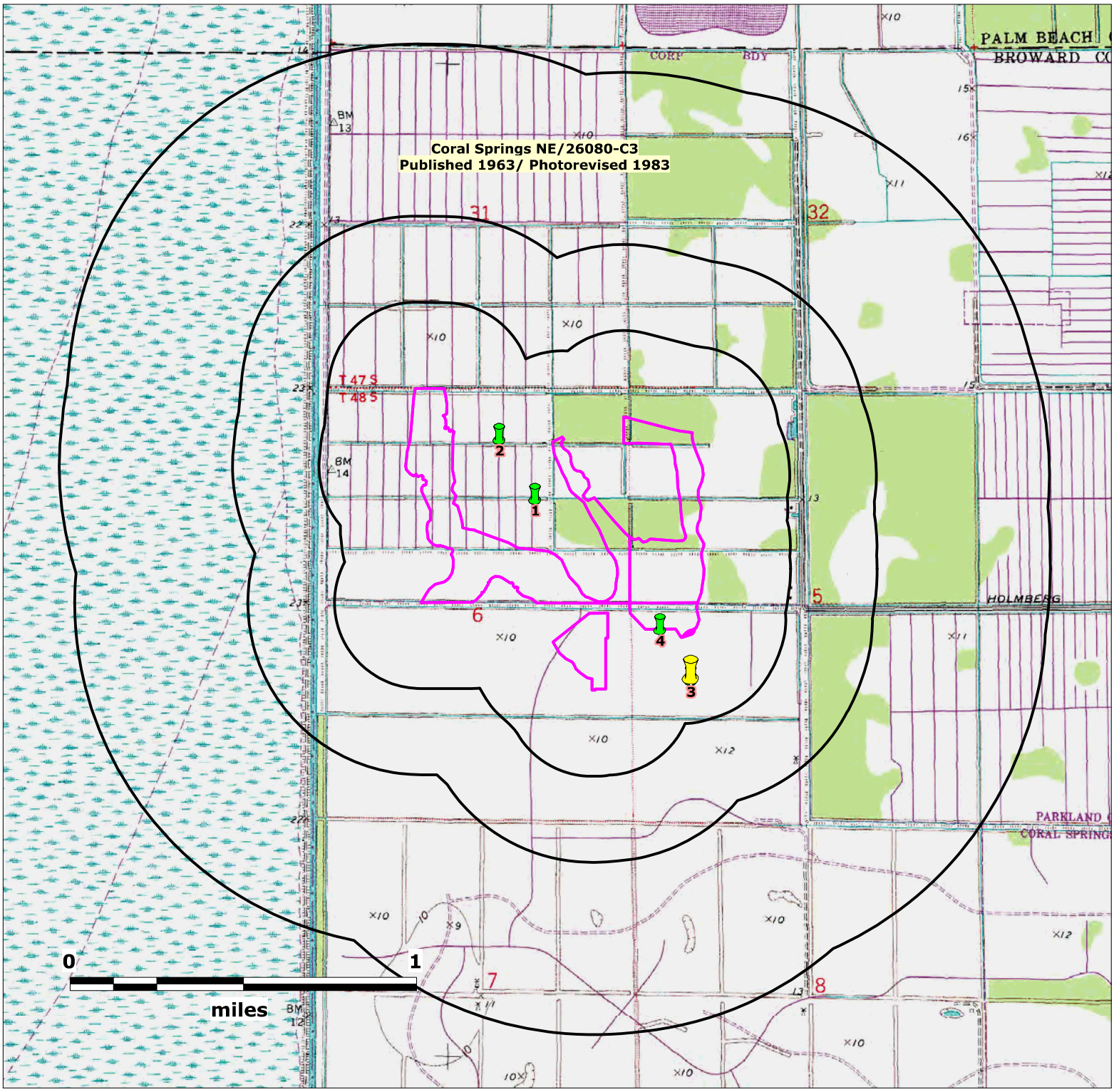
Standard ASTM Research

Non-Mapped Records Summary Table

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

Prgm List Fac ID No	Site Name	Site Address

Standard ASTM Research Report
USGS Topographic Map



Source: USGS Digital Raster Graphic (DRG)

Map Scale and Property Boundaries are Approximate

Subject Property

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

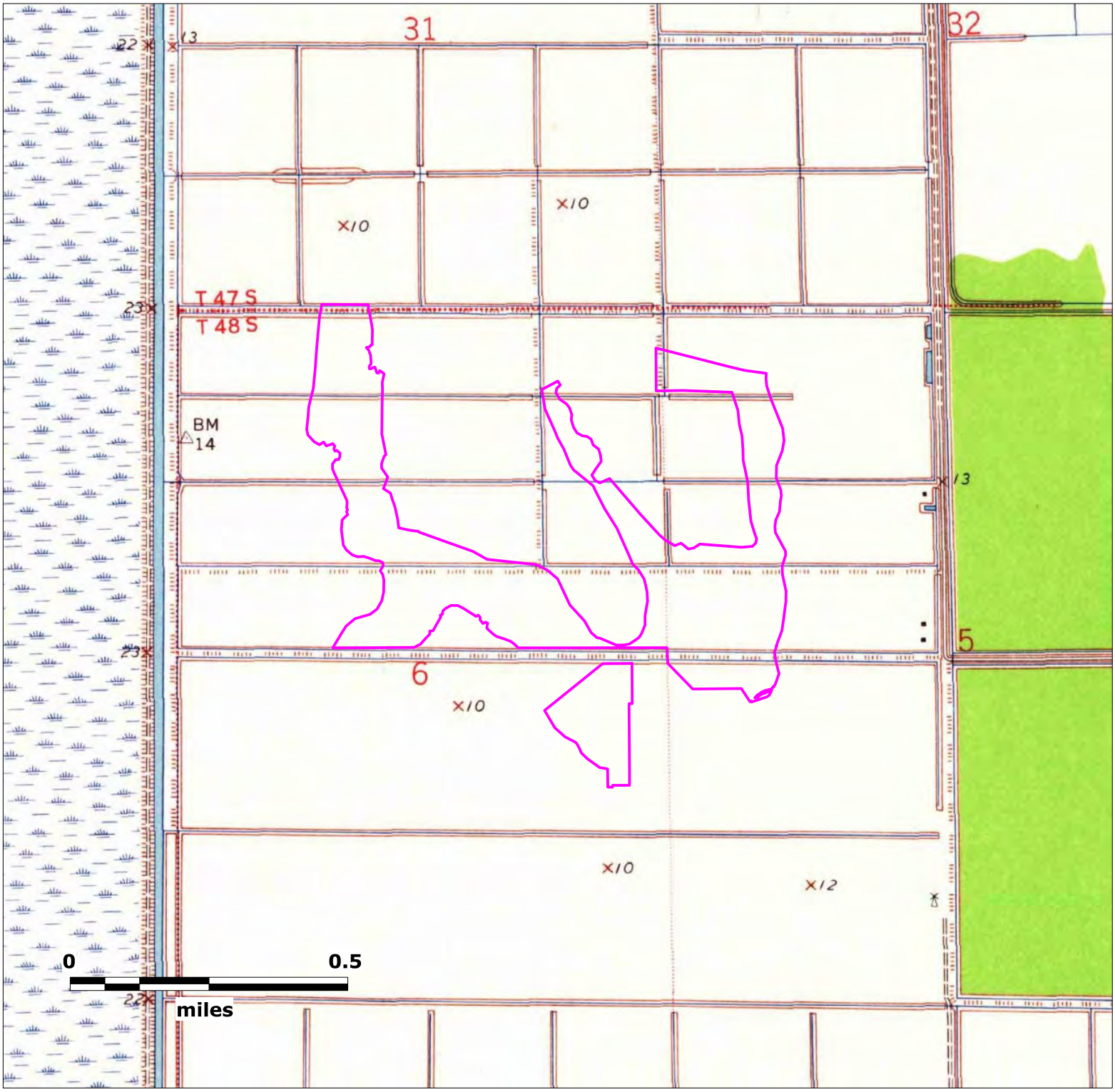
Approximate Site Boundary

NPL, STNPL, NPLLIENS, CORRACTS & TSD sites - 1 Mile Radius

CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius

ERNS, NONTSD, ECHO, TANKS & INSTENG sites - 1/4 Mile Radius

Historical Topographic Map
Coral Springs NE 1963



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

Subject Property

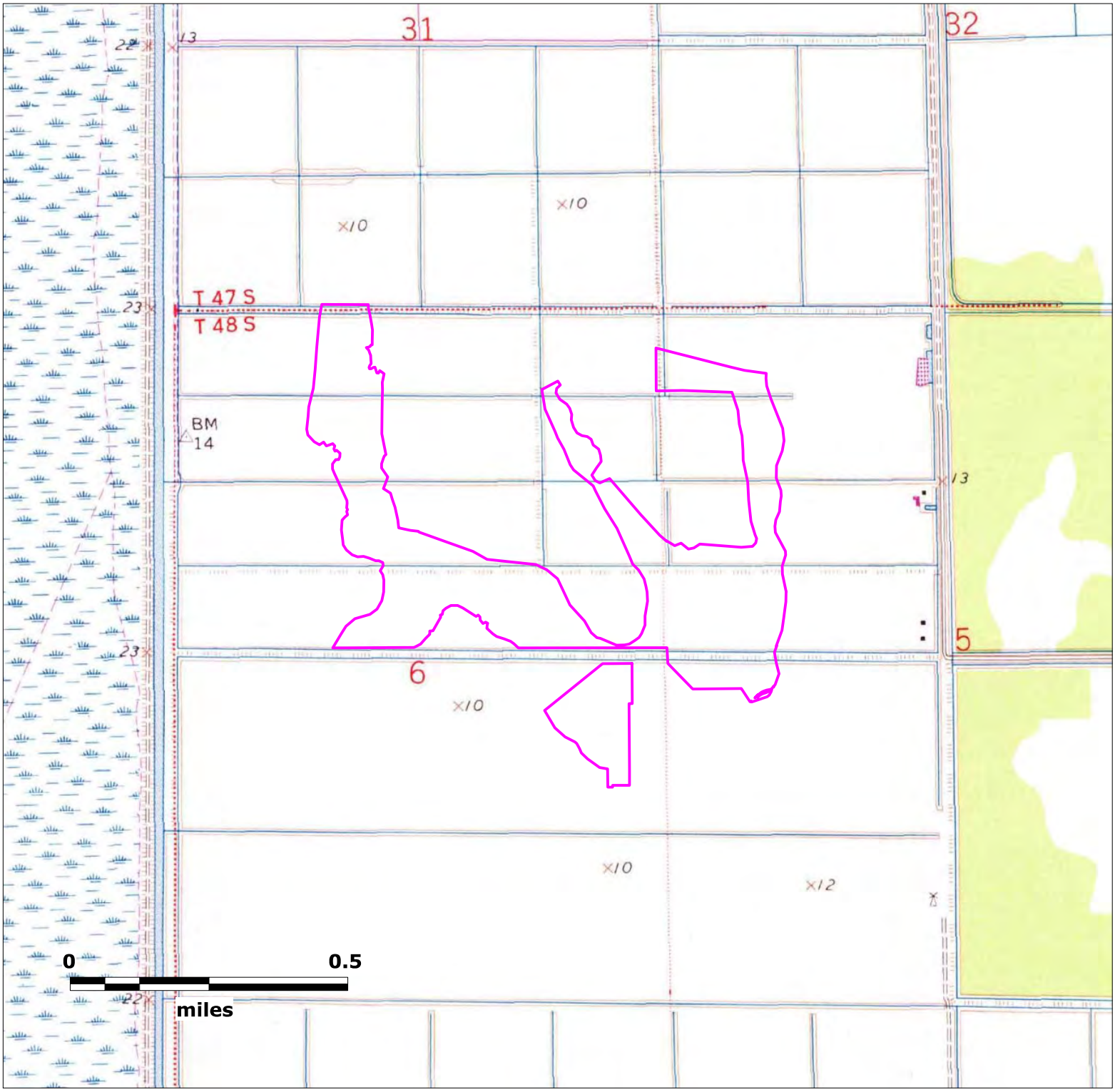
Approximate Site Location

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

Historical Topographic Map
Coral Springs NE 1969



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

Subject Property

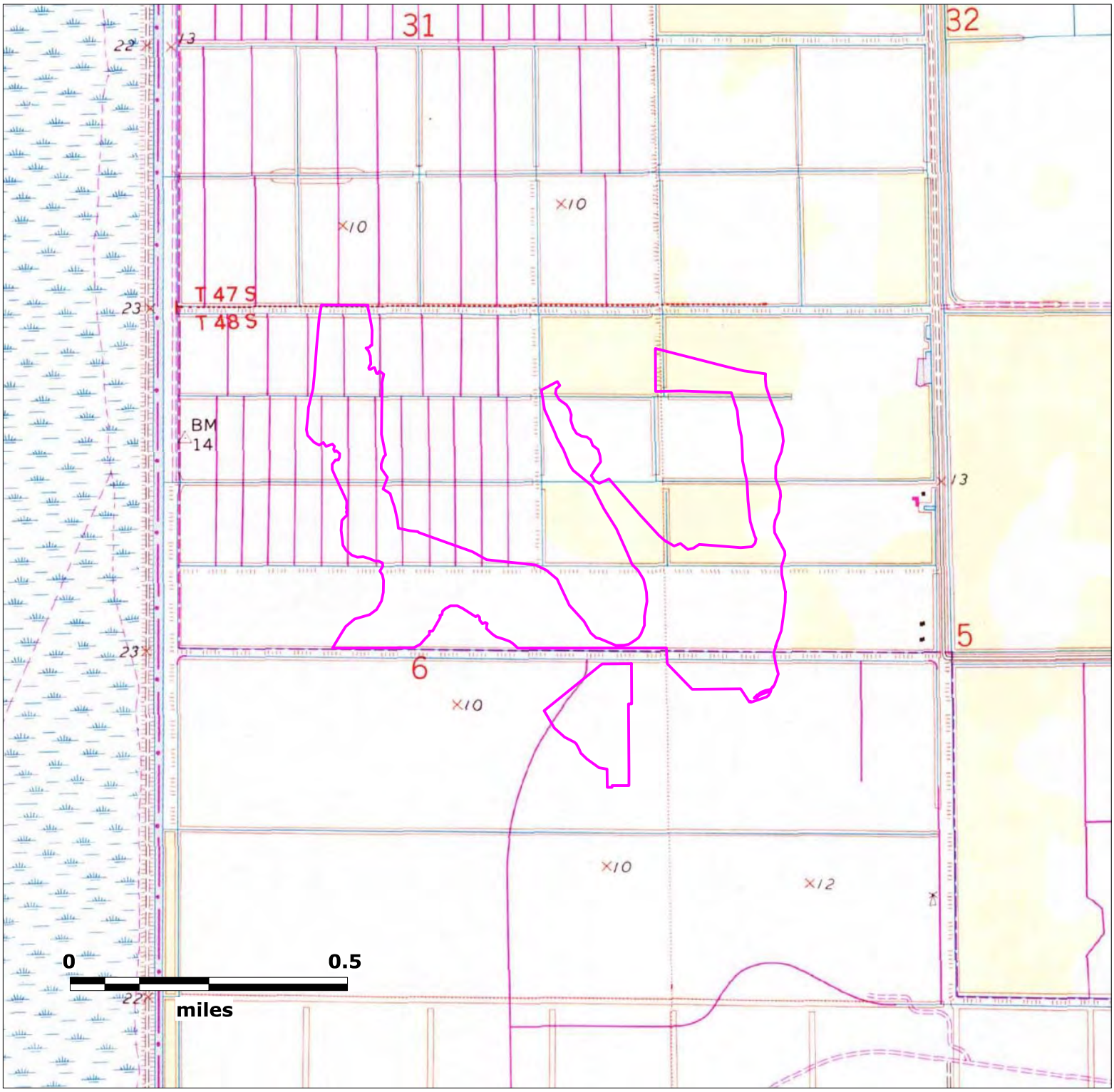
Approximate Site Location

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

Historical Topographic Map
Coral Springs NE 1983



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

Subject Property

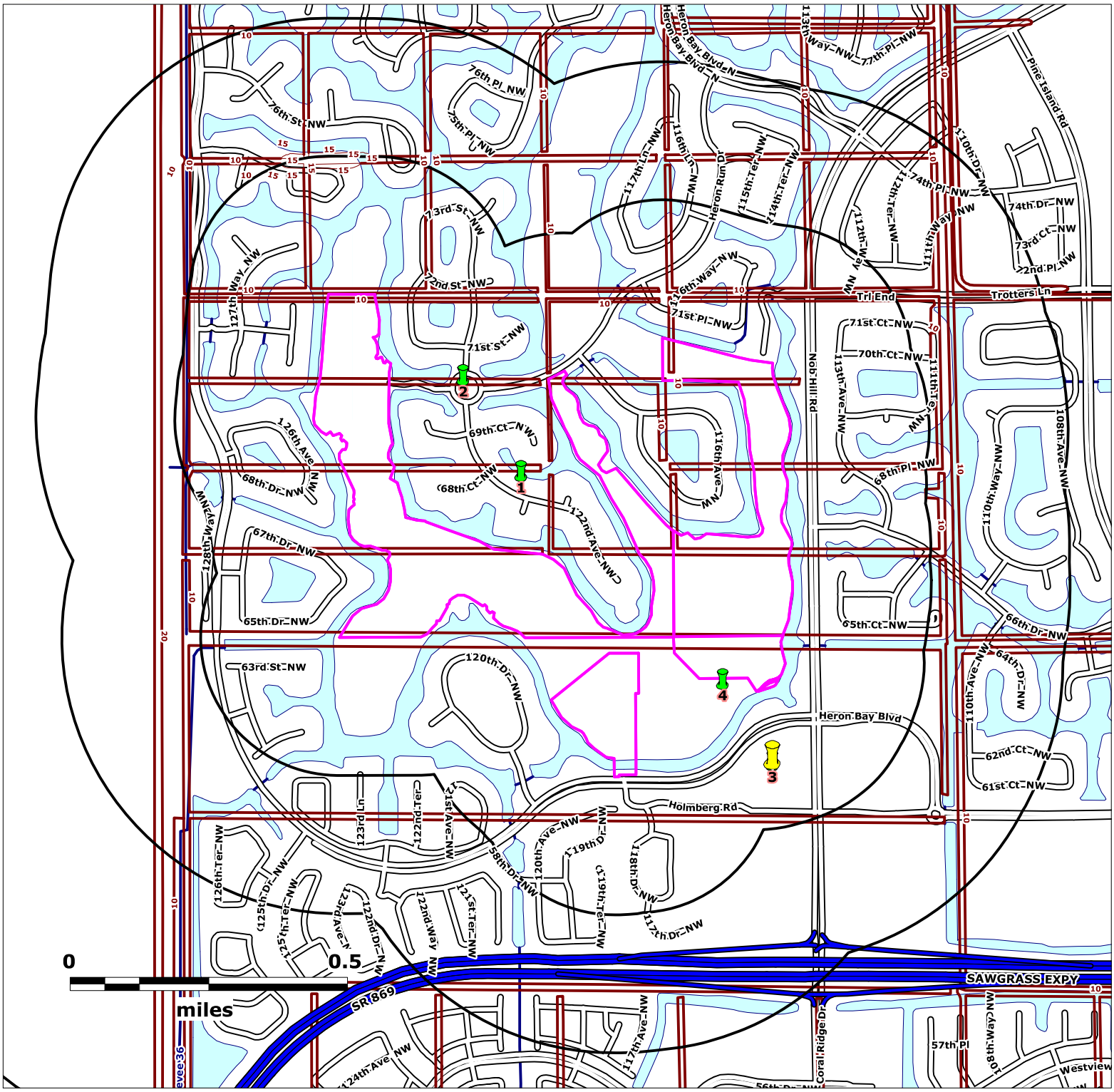
Approximate Site Location

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

Standard ASTM Research Report
Elevation Contours Map



Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

Subject Property

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

55
Elevation Contour Line (Feet)

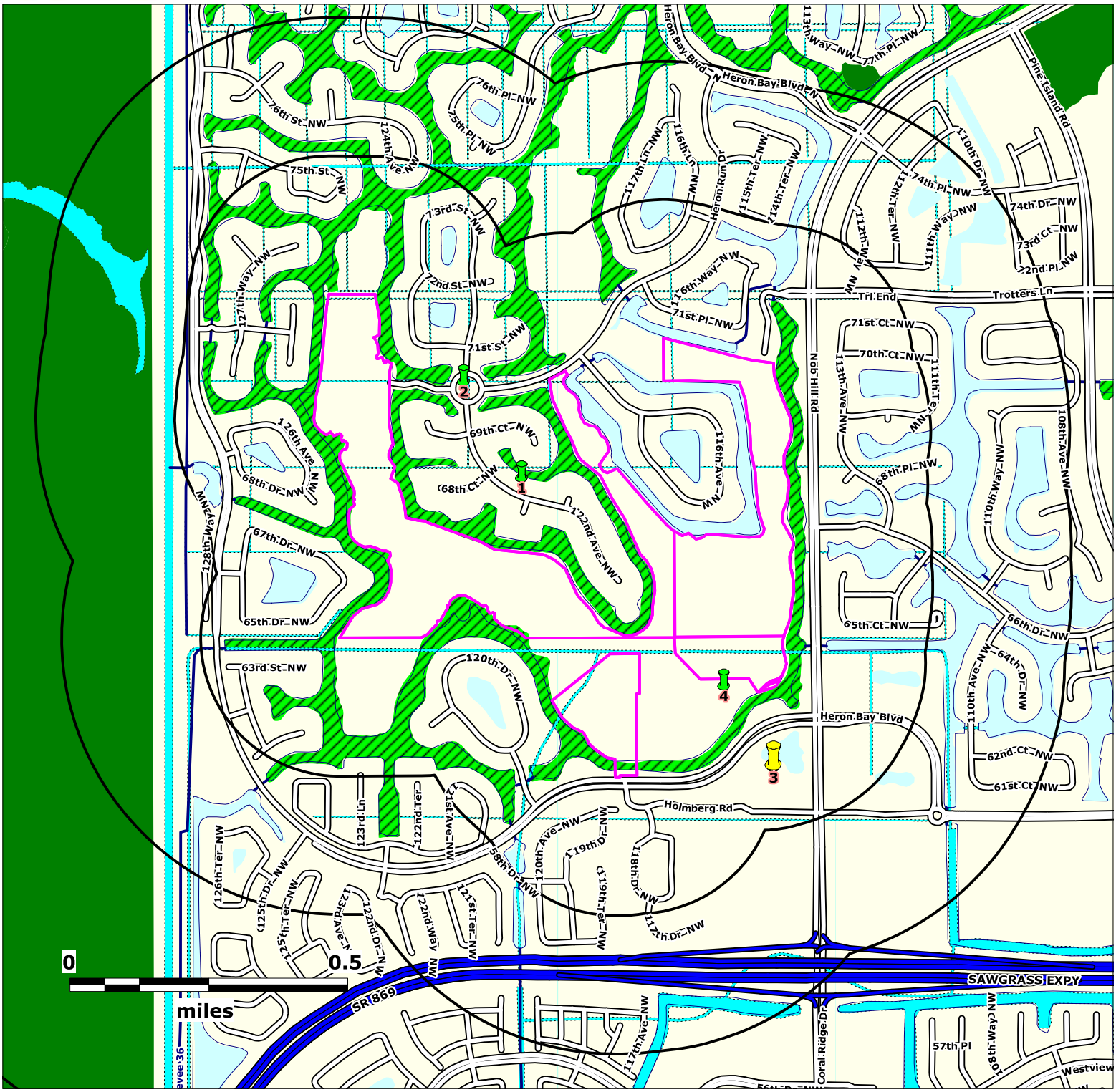
Approximate Site Boundary

NPL, STNPL, NPLLIENS, CORRACTS & TSD sites - 1 Mile Radius

CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius

ERNS, NONTSD, ECHO, TANKS & INSTENG sites - 1/4 Mile Radius

Standard ASTM Research Report
National Wetlands Inventory Map



Source: US Fish & Wildlife Service National Wetlands Inventory

Map Scale and Property Boundaries are Approximate

Subject Property

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

NWI Wetlands

- Upland
- Riverine
- Palustrine
- Estuarine
- Lacustrine
- Marine
- Freshwater Pond

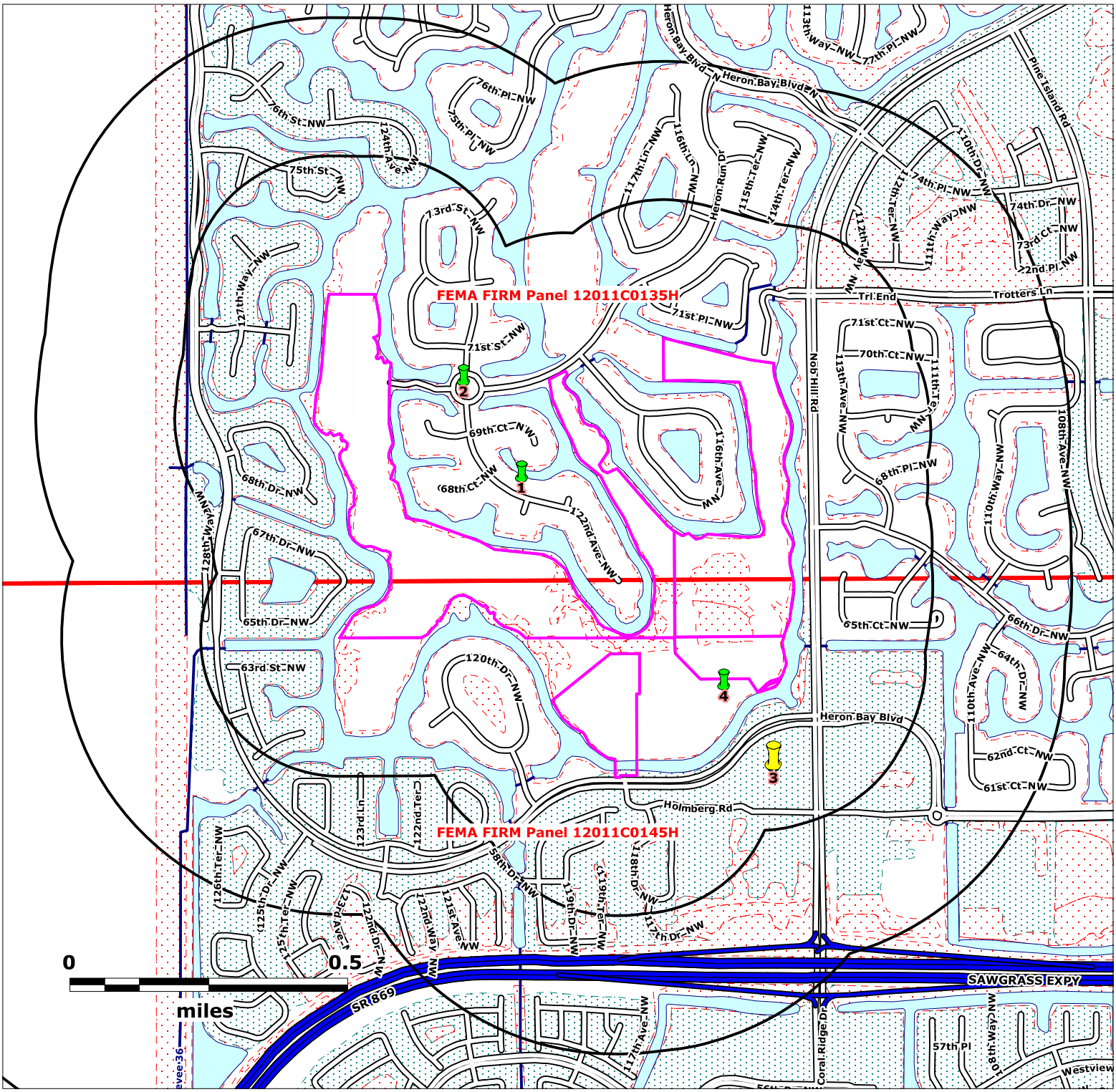
Approximate Site Boundary

NPL, STNPL, NPLLIENS, CORRACTS & TSD sites - 1 Mile Radius

CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius

ERNS, NONTSD, ECHO, TANKS & INSTENG sites - 1/4 Mile Radius

Standard ASTM Research Report
FEMA Floodplain Map



Source: US FEMA Q3 Flood Data

Map Scale and Property Boundaries are Approximate

Subject Property

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

FEMA Flood Zone

- 100 Year Floodplain
  1-Percent Annual Chance Flood Event
- 500 Year Floodplain
  .2-Percent Annual Chance Flood Event
- Area of Minimal Flood Hazard

- Approximate Site Boundary
- NPL, STNPL, NPLLIENS, CORRACTS & TSD sites - 1 Mile Radius
- CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius
- ERNS, NONTSD, ECHO, TANKS & INSTENG sites - 1/4 Mile Radius

MARTY KIAR
BROWARD COUNTY
PROPERTY APPRAISER

Site Address	HERON RUN DRIVE, PARKLAND FL 33076
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 06 00 0080
Millage	3012
Use	80-01

Abbr Legal Description	6-48-41 THAT PART OF N1/2 OF SEC 6 INC'D IN PROPERTY DESC'D IN OR 27435 ON PGS 539 THRU 551 LESS PORTION MITIGATION AREA 4B,5D,5F,5G,5B, 7A & 12A IN OR 30372/1991 AKA: PART OF HERON BAY GOLF COURSE

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$1,365,430		$1,365,430	$1,365,430	
2021	$1,365,430		$1,365,430	$1,365,430	$18,153.22
2020	$1,365,430		$1,365,430	$1,365,430	$72,078.26

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$1,365,430	$1,365,430	$1,365,430	$1,365,430
Portability	0	0	0	0
Assessed/SOH	$1,365,430	$1,365,430	$1,365,430	$1,365,430
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$1,365,430	$1,365,430	$1,365,430	$1,365,430
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-Q	$6,300,000	43716 / 1634
11/21/1997	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

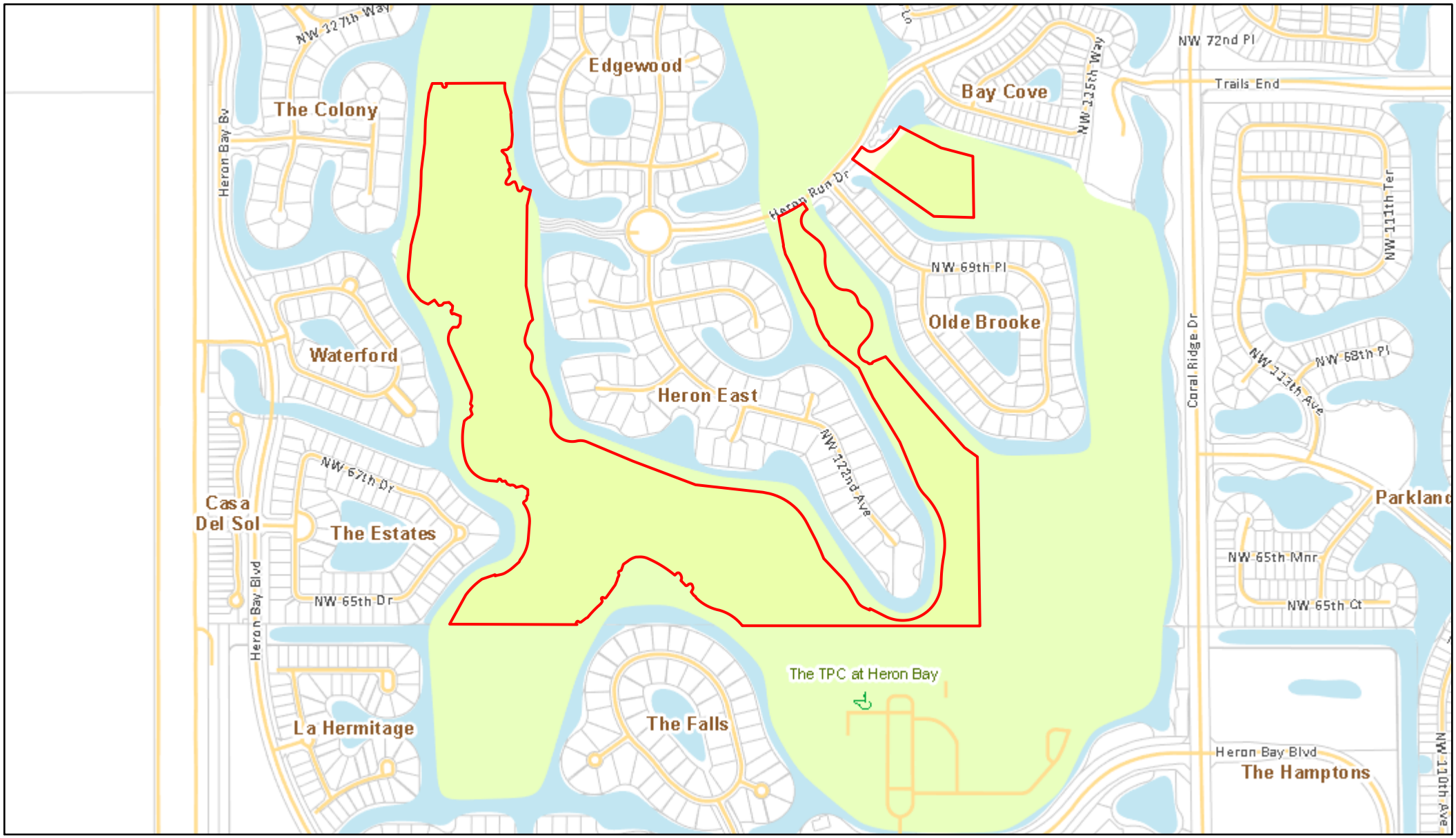
Land Calculations

Price	Factor	Type
$15,682	87.07	AC
Adj. Bldg. S.F.		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
30				NG				
X				NG				
1				87.07				

Property Id: 484106000080 **Please see map disclaimer



August 5, 2022

1:9,600

0 440 880 1,760 ft

0 135 270 540 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

MARTY KIAR
BROWARD COUNTY
PROPERTY APPRAISER

Site Address	NOB HILL ROAD, PARKLAND FL 33076
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 05 01 0134
Millage	3012
Use	80

Abbr Legal Description	FLA FRUIT LANDS CO SUB NO 2 1-102 PB 5-48-41 PART OF TRACTS 13,14,15 & 16 INC'D IN OR 27435/538 ON PAGES 539 THRU 551 AKA: PART OF HERON BAY GOLF COURSE

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$3,562,510	$1,600	$3,564,110	$3,564,110	
2021	$641,240	$1,600	$642,840	$642,840	$8,546.39
2020	$641,240	$1,600	$642,840	$642,840	$33,956.16

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$3,564,110	$3,564,110	$3,564,110	$3,564,110
Portability	0	0	0	0
Assessed/SOH	$3,564,110	$3,564,110	$3,564,110	$3,564,110
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$3,564,110	$3,564,110	$3,564,110	$3,564,110
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-Q	$6,300,000	43716 / 1634
11/21/1997	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

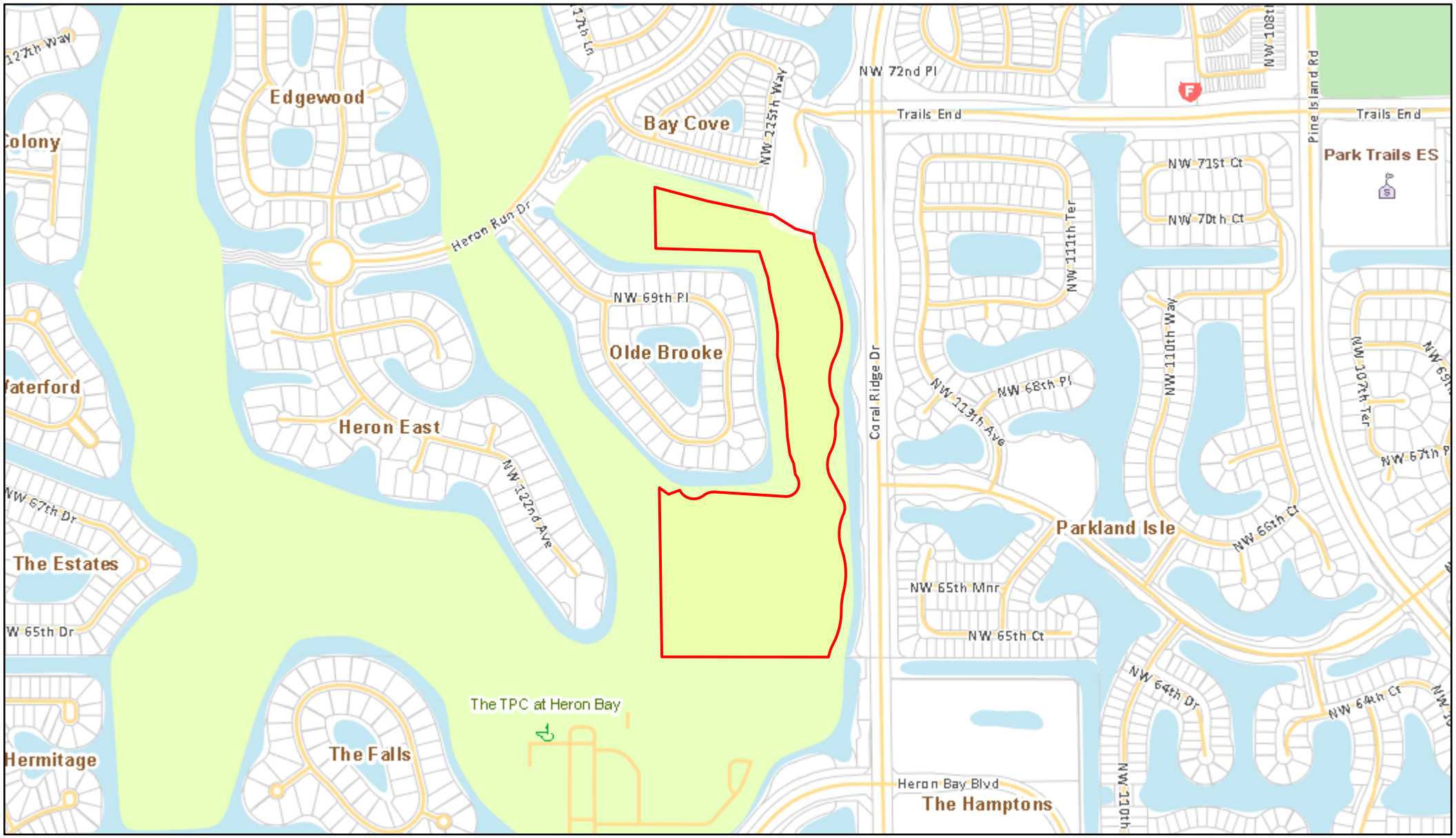
Land Calculations

Price	Factor	Type
$2.00	1,781,254	SF
Adj. Bldg. S.F. (Card, Sketch)		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
30				NG				
X				NG				
1				40.89				

Property Id: 484105010134 **Please see map disclaimer



August 5, 2022

1:9,600

0 440 880 1,760 ft

0 135 270 540 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

Site Address	11801 HERON BAY BOULEVARD, CORAL SPRINGS FL 33076
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 05 01 0072
Millage	2812
Use	80-01

Abbr Legal Description	FLA FRUIT LANDS CO SUB NO 2 1-102 PB 5-48-41 THAT PART OF TRACT 24 INC'D IN OR 27435/538,LESS PT OF TR LYING WITHIN "HERON BAY ONE" & LESS PT DESC'D IN OR 24547/494

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$740,000		$740,000	$740,000	
2021	$133,140		$133,140	$133,140	$1,957.52
2020	$133,140		$133,140	$133,140	$4,772.52

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$740,000	$740,000	$740,000	$740,000
Portability	0	0	0	0
Assessed/SOH	$740,000	$740,000	$740,000	$740,000
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$740,000	$740,000	$740,000	$740,000
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-Q	$6,300,000	43716 / 1634
11/21/1997	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

Land Calculations

Price	Factor	Type
$2.00	370,002	SF
Adj. Bldg. S.F.		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
28				NF		CS		
X				NF				
1				8.49				

Property Id: 484105010072 **Please see map disclaimer

August 5, 2022

1:2,400

0 112.5 225 450 ft

0 30 60 120 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

Site Address	HERON BAY BOULEVARD, CORAL SPRINGS FL 33076
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 06 01 0092
Millage	2812
Use	80-01

Abbr Legal Description	HERON BAY ONE 159-34 B THAT PART OF PARCEL K TOGETHER WITH PART OF TR 24 DESC'D AS,BEG AT NE COR PAR K,W ALG N/L 23.03, NE 56.20 TO PT OF CUSP,SW 39.83 TO POB,SAID PARTS WHICH ARE INC IN OR 27435/538 & LESS POR DESC AS MITIGATION AREA 2B IN OR 30372/1991

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$16,300		$16,300	$16,300	
2021	$2,980		$2,980	$2,980	$43.71
2020	$2,980		$2,980	$2,980	$320.26

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$16,300	$16,300	$16,300	$16,300
Portability	0	0	0	0
Assessed/SOH	$16,300	$16,300	$16,300	$16,300
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$16,300	$16,300	$16,300	$16,300
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-D	$6,300,000	43716 / 1634
11/21/1997	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

Land Calculations

Price	Factor	Type
$2.00	8,150	SF
Adj. Bldg. S.F.		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
28				NF		CS		
X				NF				
1				.19				

Property Id: 484106010092 **Please see map disclaimer

August 5, 2022

1:1,200

0 55 110 220 ft

0 15 30 60 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

Site Address	11801 HERON BAY BOULEVARD, CORAL SPRINGS FL 33065
Property Owner	NORTH SPRINGS IMPROVEMENT DISTRICT
Mailing Address	9700 NW 52 ST CORAL SPRINGS FL 33076

ID #	4841 06 01 0010
Millage	2812
Use	07

Abbr Legal Description	HERON BAY ONE 159-34 B PART OF PARCEL A DESC'D AS,COMM AT NW COR OF SW1/4 OF SEC 5,SLY 156.83 TO N/L PAR A,NW 23.76,WLY 341.17 TO POB,S 385,W 25,SLY 783.04,W 157,SW 16.97,W 31,N 178 W 29.91,WLY 22.8,WLY & NW 50.66, NW 169.88,NW 75.90,NW 118.80,NW 312.54,NE 731.87,E 281.26 TO POB AKA: PART OF PLAT DESC'D IN OR 27435 ON PAGE 569 PART HERON BAY GOLF COMPLEX

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

* 2022 values are considered "working values" and are subject to change.

Property Assessment Values

Year	Land	Building / Improvement	Just / Market Value	Assessed / SOH Value	Tax
2022*	$205,650	$563,240	$768,890	$768,890	
2021	$205,650	$563,240	$768,890	$768,890	$11,304.90
2020	$205,650	$592,090	$797,740	$797,740	$26,982.08

2022* Exemptions and Taxable Values by Taxing Authority

	County	School Board	Municipal	Independent
Just Value	$768,890	$768,890	$768,890	$768,890
Portability	0	0	0	0
Assessed/SOH	$768,890	$768,890	$768,890	$768,890
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type 15	$768,890	$768,890	$768,890	$768,890
Taxable	0	0	0	0

Sales History

Date	Type	Price	Book/Page or CIN
3/9/2022	DR*-T	$100	117999998
9/22/2021	SW*-D	$32,000,000	117646528
10/21/2010	D*-D	$4,532,300	47497 / 723
2/13/2007	SW*-Q	$6,300,000	43716 / 1634
11/21/1998	WD*	$7,782,200	27435 / 538

* Denotes Multi-Parcel Sale (See Deed)

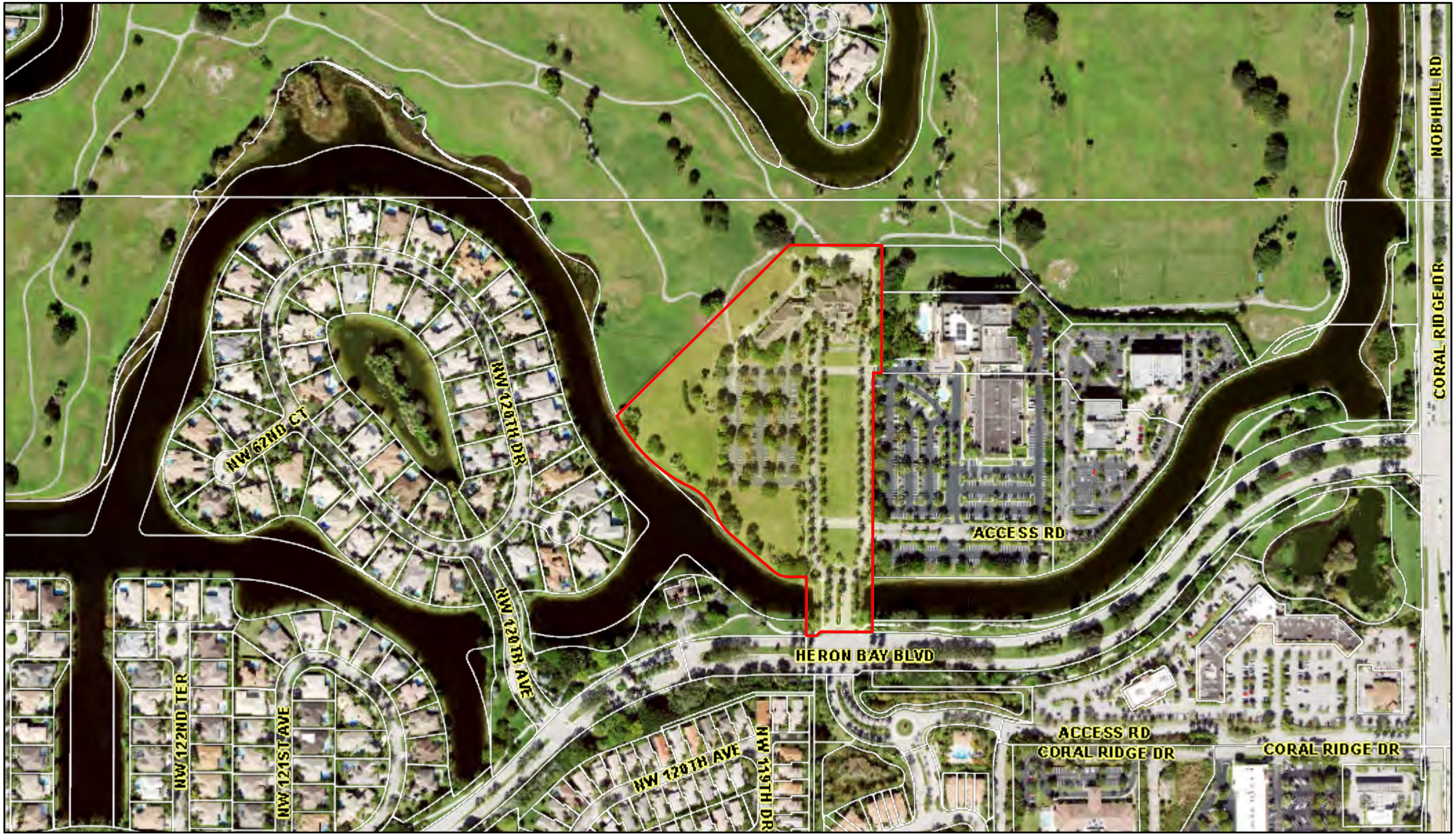
Land Calculations

Price	Factor	Type
$2.00	571,248	SF
Adj. Bldg. S.F. (Card, Sketch)		17016
Eff./Act. Year Built: 1997/1996		

Special Assessments

Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
28				NF		CS		
X				NF				
17016				13.11		39.04		

Property Id: 484106010010 **Please see map disclaimer



August 5, 2022

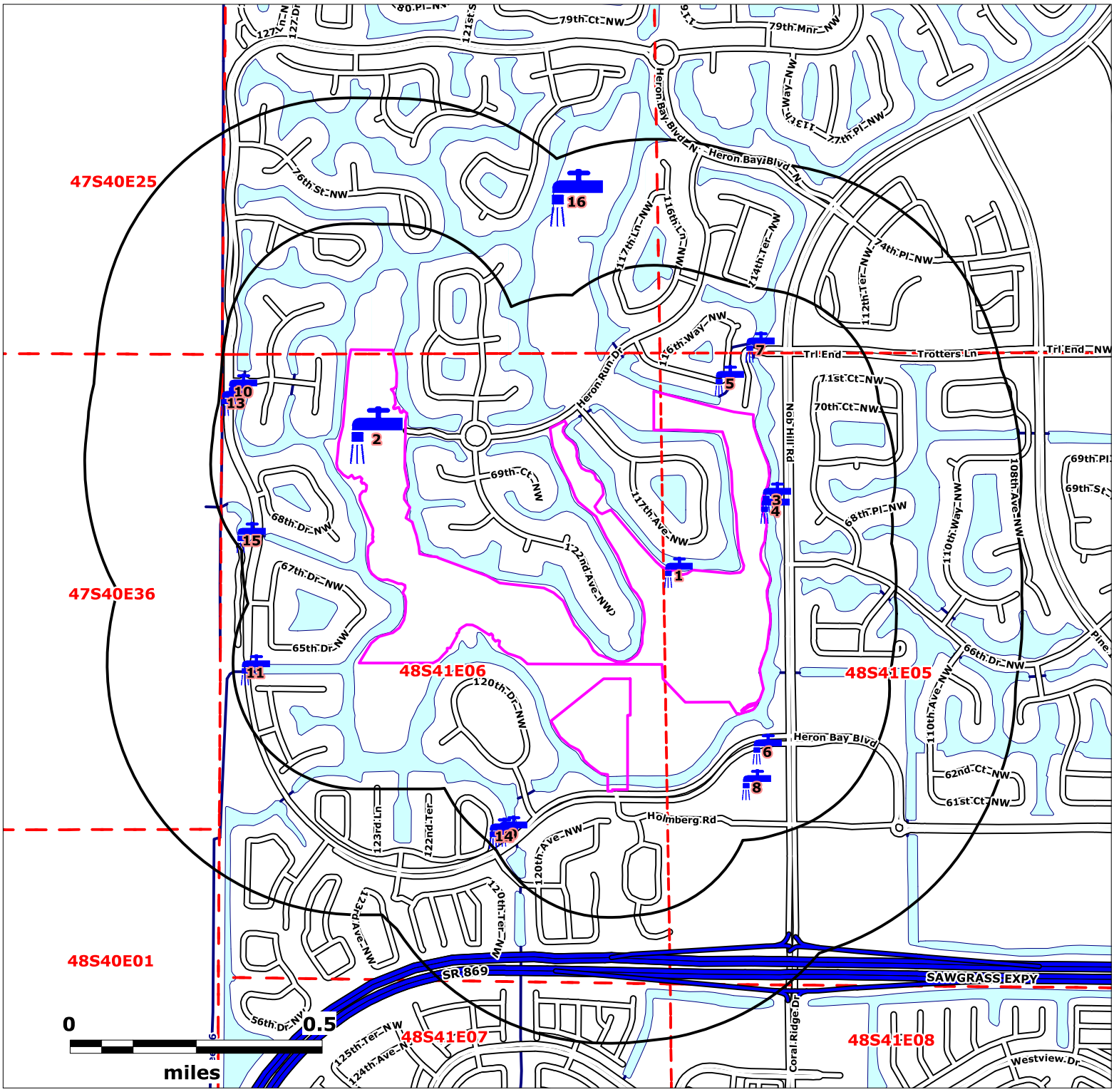
1:4,800

0 225 450 900 ft

0 65 130 260 m

Flight Date : Jan. 14 to Jan. 29, 2022 Broward County Property Appraiser

Water Well Research Report
Well Location Map



Source: FDEP, FDOH, FL Water Mgt Districts

Map Scale and Property Boundaries are Approximate

Subject Property

Heron Bay Golf Course
Five (5) Parcels
Coral Springs, Florida 33076

Lat (DMS): 26 18' 53.244"
Lon (DMS: -80 16' 48.2952"

EDM Job No: 26232
August 5, 2022

55
Elevation Contour Line (Feet)

1234S56E
Sec/Twp/Rng

Public Water Supply System-1/2 mile

Private Water Well System -1/4 mile

Approximate Site Boundary

ENVIRONMENTAL DATA MANAGEMENT

Standard ASTM Research

Site Summary Table

Report Date: 8/5/2022

MapID Prgm List	Fac ID No	Site Dist(mi) Direction	Site Name	Site Address
1				
SFWMDPRV	06-02049-W/120710-3/41133	0.00 SW	HERON BAY	, FL
SFWMDPRV	06-02049-W/120710-3/41134	0.00 SW	HERON BAY	, FL
SFWMDPRV	06-02049-W/120710-3/41135	0.00 SW	HERON BAY	, FL
2				
WELLSADOHC	AAP2859	0.00 W	Heron Bay #12	11801 Heron Bay BLVD Coral Springs, FL 33076
3				
SFWMDPRV	06-04425-W/150526-17/230225	0.03 NE	HERON BAY COMMUNITY ASSOCIATION	, FL
4				
SFWMDPRV	06-04425-W/150526-17/230224	0.03 NE	HERON BAY COMMUNITY ASSOCIATION	, FL
5				
SFWMDPRV	06-04425-W/150526-17/230222	0.06 N	HERON BAY COMMUNITY ASSOCIATION	, FL
6				
SFWMDPRV	06-04425-W/150526-17/230226	0.08 S	HERON BAY COMMUNITY ASSOCIATION	, FL
7				
SFWMDPRV	06-04425-W/150526-17/230223	0.13 N	HERON BAY COMMUNITY ASSOCIATION	, FL
8				
SFWMDPRV	06-04733-W/060626-16/193525	0.15 S	HERON BAY	, FL
9				
SFWMDPRV	06-07299-W/160317-13/230230	0.20 SW	FALLS AT HERON BAY ASSOCIATION	, FL
10				
SFWMDPRV	06-07182-W/150827-9/230213	0.20 W	THE COLONY	, FL
11				
SFWMDPRV	06-04425-W/150526-17/230216	0.21 W	HERON BAY COMMUNITY ASSOCIATION	, FL
SFWMDPRV	06-07328-W/160801-1/230216	0.21 W	L'HERMITAGE	, FL
SFWMDPRV	06-07328-W/160801-1/274532	0.21 W	L'HERMITAGE	, FL
12				
SFWMDPRV	06-04425-W/150526-17/230231	0.22 SW	HERON BAY COMMUNITY ASSOCIATION	, FL
13				
SFWMDPRV	06-04425-W/150526-17/230214	0.22 W	HERON BAY COMMUNITY ASSOCIATION	, FL
14				
SFWMDPRV	06-04425-W/150526-17/230232	0.22 SW	HERON BAY COMMUNITY ASSOCIATION	, FL

ENVIRONMENTAL DATA MANAGEMENT

Standard ASTM Research

Site Summary Table

MapID Prgm List	Fac ID No	Site Dist(mi) Direction	Site Name	Site Address
15				
SFWMDPRV	06-04425-W/150526-17/230215	0.22 W	HERON BAY COMMUNITY ASSOCIATION	, FL
16				
WELLSADOHC	AAP2860	0.41 NW	Heron Bay #6	11801 Heron Bay BLVD Coral Springs, FL 33076

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-02049-W
120710-3

MAP ID NUMBER: 1
Dist (Miles): 0
Direction: SW

SFWMD

WATER USE: Irrigation

STATION ID: 41133
STATION NAME: Jockey
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Golf
ACRES SRVD: 200
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: NSID Canal
CULVERT DIA:

PUMP TYPE: Turbine
PUMP CAP: 1000
PUMP DIA: 8
PUMP DEPTH:
PUMP INTAKE 0

WATER USE: Irrigation

STATION ID: 41134
STATION NAME: Pump 1
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Golf
ACRES SRVD: 200
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: NSID Canal
CULVERT DIA:

PUMP TYPE: Turbine
PUMP CAP: 1000
PUMP DIA: 8
PUMP DEPTH:
PUMP INTAKE 0

WATER USE: Irrigation

STATION ID: 41135
STATION NAME: PUMP 2
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Golf
ACRES SRVD: 200
FAC STATUS: Existing
USE STATUS: Production

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: NSID Canal
CULVERT DIA:

PUMP TYPE: Turbine
PUMP CAP: 1000
PUMP DIA: 8
PUMP DEPTH:
PUMP INTAKE 0

FDOH WELL SURVEILLANCE PROGRAM
PUBLIC WATER WELL DATA

Report Date: 8/5/2022

(WELLSADOHC)

PERMIT NUMBER AND LOCATION

AAP2859
Heron Bay #12
11801 Heron Bay BLVD
Coral Springs, FL 33076

OWNER INFO:

MAP ID NUMBER: 2
Dist (Miles): 0
Direction: W

WELLSADOHC

WELL PERMIT NO:
COUNTY: BROWARD

WELL TYPE: Limited Use Public Water System
WELL STATUS: ACTIVE
WATER USE: POTABLE
SANITARY SEAL?: Yes
WELL CASING: GALVANIZED
WELL DEPTH: 0
CASING LENGTH: 0
CASING DIAMETER: 2
ACTION:
COMMENTS: Relocate Point

CONTAMINANT INFO:

PETROLEUM:	SOLVENT:	NITRATES:	EDB:	METALS:	VOC'S:	ARSENIC:	PESTICIDES:
LAST SAMPLED:							
LAST RESULTS*:							
HIGH RESULTS*:							

* 0-Not sampled in last 12 mos, 1-Sampled but below detect level, 2- < 1/4 MCL/HAL , 3- >= 1/4 but <1/2 MCL/HAL, 4- >= 1/2 MCL/HAL, 5- >=MCL/HAL, 6- Never Sampled

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 3
Dist (Miles): 0.025
Direction: NE

SFWMD

WATER USE: Irrigation

STATION ID: 230225
STATION NAME: B (Pump 15)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 255
PUMP DIA: 3
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 4
Dist (Miles): 0.025
Direction: NE

SFWMD

WATER USE: Irrigation

STATION ID: 230224
STATION NAME: A (Pump 14)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 620
PUMP DIA: 4
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 5
Dist (Miles): 0.057
Direction: N

SFWMD

WATER USE: Irrigation

STATION ID: 230222
STATION NAME: 3815 (Pump 12)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 80
PUMP DIA: 2
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 6
Dist (Miles): 0.085
Direction: S

SFWMD

WATER USE: Irrigation

STATION ID: 230226
STATION NAME: D (Pump 16)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 40
PUMP DIA: 4
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 7
Dist (Miles): 0.133
Direction: N

SFWMD

WATER USE: Irrigation

STATION ID: 230223
STATION NAME: 3581 (Pump 13)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 110
PUMP DIA: 3
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04733-W
060626-16

MAP ID NUMBER: 8
Dist (Miles): 0.146
Direction: S

SFWMD

WATER USE: Irrigation

STATION ID: 193525
STATION NAME: Well 2
STATION TYPE: WELL
PERMIT TYPE: General
LAND USE: Landscape
ACRES SRVD: 4
FAC STATUS: Proposed
USE STATUS: Primary

WELL DIA: 4
WELL DEPTH: 80
CASING DEPTH: 75
SOURCE: Biscayne Aquifer
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 75
PUMP DIA:
PUMP DEPTH: 15
PUMP INTAKE

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-07299-W
160317-13

MAP ID NUMBER: 9
Dist (Miles): 0.201
Direction: SW

SFWMD

WATER USE: Irrigation

STATION ID: 230230
STATION NAME: Falls Entrance (Pump 20
STATION TYPE: PUMP
PERMIT TYPE: General
LAND USE: Landscape
ACRES SRVD: 2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: NSID Canal
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 623
PUMP DIA: 4
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-07182-W
150827-9

MAP ID NUMBER: 10
Dist (Miles): 0.204
Direction: W

SFWMD

WATER USE: Irrigation

STATION ID: 230213
STATION NAME: 3427 (Pump 4) The Colon
STATION TYPE: PUMP
PERMIT TYPE: General
LAND USE: Landscape
ACRES SRVD: 0.5
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 80
PUMP DIA: 2
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 11
Dist (Miles): 0.207
Direction: W
SFWMD

WATER USE: Irrigation

STATION ID: 230216
STATION NAME: H (Pump 7) B
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: NSID Canal
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 60
PUMP DIA: 4
PUMP DEPTH:
PUMP INTAKE 6

PERMIT NO, APPL NO and PROJECT NAME :

06-07328-W
160801-1

MAP ID NUMBER: 11
Dist (Miles): 0.207
Direction: W
SFWMD

WATER USE: Irrigation

STATION ID: 230216
STATION NAME: H (Pump 7) B
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 17
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: NSID Canal
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 60
PUMP DIA: 4
PUMP DEPTH:
PUMP INTAKE 6

WATER USE: Irrigation

STATION ID: 274532
STATION NAME: H (Pump 7) A
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 17
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: NSID Canal
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 60
PUMP DIA: 4
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 12
Dist (Miles): 0.217
Direction: SW

SFWMD

WATER USE: Irrigation

STATION ID: 230231
STATION NAME: E (Pump 21)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 255
PUMP DIA: 3
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 13
Dist (Miles): 0.217
Direction: W

SFWMD

WATER USE: Irrigation

STATION ID: 230214
STATION NAME: J (Pump 5)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 1502
PUMP DIA: 3
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 14
Dist (Miles): 0.217
Direction: SW

SFWMD

WATER USE: Irrigation

STATION ID: 230232
STATION NAME: F (Pump 22)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 626
PUMP DIA: 4
PUMP DEPTH:
PUMP INTAKE 6

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
PRIVATE WATER SUPPLY SYSTEMS

(SFWMDPRV)

PERMIT NO, APPL NO and PROJECT NAME :

06-04425-W
150526-17

MAP ID NUMBER: 15
Dist (Miles): 0.220
Direction: W

SFWMD

WATER USE: Irrigation

STATION ID: 230215
STATION NAME: 2288 (Pump 6)
STATION TYPE: PUMP
PERMIT TYPE: Individual
LAND USE: Landscape
ACRES SRVD: 165.2
FAC STATUS: Existing
USE STATUS: Primary

WELL DIA:
WELL DEPTH:
CASING DEPTH:
SOURCE: On-site Lake(s) / Pond(s)
CULVERT DIA:

PUMP TYPE: Centrifugal
PUMP CAP: 80
PUMP DIA: 3
PUMP DEPTH:
PUMP INTAKE 6

FDOH WELL SURVEILLANCE PROGRAM
PUBLIC WATER WELL DATA

Report Date: 8/5/2022

(WELLSADOHC)

PERMIT NUMBER AND LOCATION

AAP2860
Heron Bay #6
11801 Heron Bay BLVD
Coral Springs, FL 33076

OWNER INFO:

MAP ID NUMBER: 16
Dist (Miles): 0.41
Direction: NW

WELLSADOHC

WELL PERMIT NO:
COUNTY: BROWARD

WELL TYPE: Limited Use Public Water System
WELL CASING: GALVANIZED
ACTION:

WELL STATUS: ACTIVE
WELL DEPTH: 0
COMMENTS: Relocate Point

WATER USE: POTABLE
CASING LENGTH: 0

SANITARY SEAL?: Yes
CASING DIAMETER: 2

CONTAMINANT INFO:

PETROLEUM:	SOLVENT:	NITRATES:	EDB:	METALS:	VOC'S:	ARSENIC:	PESTICIDES:
LAST SAMPLED:							
LAST RESULTS*:							
HIGH RESULTS*:							

* 0-Not sampled in last 12 mos, 1-Sampled but below detect level, 2- < 1/4 MCL/HAL , 3- >= 1/4 but <1/2 MCL/HAL, 4- >= 1/2 MCL/HAL, 5- >=MCL/HAL, 6- Never Sampled

Agency List Descriptions

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

Florida Department of Environmental Protection (FDEP)

State Designated Brownfields(BRWNFLDS)

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

Agency File Date: 5/3/2022 **Received by EDM:** 5/3/2022 **EDM Database Updated:** 5/3/2022

Dry Cleaners List(DRY)

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

Agency File Date: 7/21/2022 **Received by EDM:** 7/25/2022 **EDM Database Updated:** 7/25/2022

FDEP Public Water Systems(FLPWS)

The FDEP Dinking Water Program Basic Facility Report and Public Water System Well data contain information on the location and type of public water systems and wells regulated by the department.

Agency File Date: 1/11/2020 **Received by EDM:** 1/13/2020 **EDM Database Updated:** 1/13/2020

Institutional and/or Engineering Controls(INSTENG)

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

Agency File Date: 7/20/2022 **Received by EDM:** 7/25/2022 **EDM Database Updated:** 7/25/2022

Leaking Underground Storage Tanks List(LUST)

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

Agency File Date: 7/25/2022 **Received by EDM:** 7/25/2022 **EDM Database Updated:** 7/25/2022

Solid Waste Facilities List(SLDWST)

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

Agency File Date: 4/4/2022 **Received by EDM:** 4/6/2022 **EDM Database Updated:** 4/7/2022

State CERCLIS/SEMS Equivalent(STCERC)

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

Agency File Date: 2/18/2022 **Received by EDM:** 2/18/2022 **EDM Database Updated:** 2/18/2022

State NPL Equivalent(STNPL)

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

Agency File Date: 6/7/2022 **Received by EDM:** 6/17/2022 **EDM Database Updated:** 6/17/2022

Underground/Aboveground Storage Tanks(TANKS)

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

Agency File Date: 6/27/2022 **Received by EDM:** 6/27/2022 **EDM Database Updated:** 6/29/2022

Voluntary Cleanup List(VOLCLNUP)

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

Agency File Date: 4/1/2022 **Received by EDM:** 4/2/2022 **EDM Database Updated:** 4/2/2022

Florida Department of Health (FDOH)

FDOH Well Surveillance Program Public Water Wells(WELLSADOHC)

The FDOH 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 to locate potable wells and conduct water sampling for contaminants of concern. This report contains data on public water wells that is contained in the Well Surveillance Program database.

Agency File Date: 2/2/2021 **Received by EDM:** 3/9/2021 **EDM Database Updated:** 3/12/2021

FDOH Well Surveillance Program Private Water Wells(WELLSADOHN)

The FDOH 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 to locate potable wells and conduct water sampling for contaminants of concern. This report contains data on private water wells that is contained in the Well Surveillance Program database.

Agency File Date: 2/2/2021 **Received by EDM:** 3/9/2021 **EDM Database Updated:** 3/12/2021

Florida Water Management District (WMD)

SFWMD Private Water Well Report(SFWMDPRV)

The South Florida Water Management District (SFWMD) Water Use Regulation Facility database contains information on private well, pump and culvert locations as specified on Water Use Permits. These sites include uses for irrigation, commercial use, dewatering/mining and power. They do not include private potable sources, as they do not require SFWMD permitting.

Agency File Date: 3/2/2021 **Received by EDM:** 3/4/2021 **EDM Database Updated:** 3/8/2021

SFWMD Public Water Supply Report(SFWMDPUB)

The South Florida Water Management District (SFWMD) Water Use Regulation Facility database contains information on permitted Public Water Supply well, pump and culvert locations as specified on Water Use Permits.

Agency File Date: 3/2/2021 **Received by EDM:** 3/4/2021 **EDM Database Updated:** 3/8/2021

SJRWMD Private Water Well Report(SJRWMDPRV)

The St Johns River Water Management District (SJRWMD) Consumptive Use Permit database contains information on the location and characteristics of permitted water well and pump stations used for private purposes.

Agency File Date: 6/15/2020 **Received by EDM:** 6/15/2020 **EDM Database Updated:** 6/15/2020

SJRWMD Public Water Supply Report(SJRWMDPUB)

The St Johns River Water Management District (SJRWMD) Consumptive Use Permit database contains information on the location and characteristics of permitted water well and pump stations used for Public Water Supply.

Agency File Date: 6/15/2020 **Received by EDM:** 6/15/2020 **EDM Database Updated:** 6/15/2020

SWFWMD Domestic Water Supply Report(SWFWMDDOM)

The Southwest Florida Water Management District (SWFWMD) Well Construction Permit database contains information on the location and characteristics of SWFWMD Domestic Water Supply wells. Due to gross locational inaccuracies in the data prior to 2007, only data related to Permits issued after January 2007 is presented.

Agency File Date: 6/2/2020 **Received by EDM:** 6/10/2020 **EDM Database Updated:** 6/12/2020

SWFWMD Public Water Supply Report(SWFWMDPUB)

The Southwest Florida Water Management District (SWFWMD) Water Use Permit and Well Construction Permit databases contain information on the location and characteristics of SWFWMD Pulic Water Supply wells and withdrawal points.

Agency File Date: 6/2/2020 **Received by EDM:** 6/10/2020 **EDM Database Updated:** 6/12/2020

United States Environmental Protection Agency (EPA)

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

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

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

RCRIS Handlers with Corrective Action(CORRACTS)

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

Agency File Date: 6/27/2022 **Received by EDM:** 6/27/2022 **EDM Database Updated:** 6/27/2022

Enforcement and Compliance History(ECHO)

The US EPA Enforcement and Compliance History Online (ECHO) database provides integrated compliance and enforcement information on facilities regulated under the Clean Air Act (CAA), Clean Water Act (CWA), Safe Drinking Water Act (SDWA) and Resource Conservation and Recovery Act (RCRA).

Agency File Date: 10/10/2020 **Received by EDM:** 10/16/2020 **EDM Database Updated:** 10/19/2020

Emergency Response Notification System List(ERNS)

The Emergency Response Notification System (ERNS) database stores information on oil discharges and hazardous substance releases. The ERNS program is a cooperative data sharing effort among the EPA, DOT and the National Response Center (NRC), which currently provides access to this data.

Agency File Date: 6/26/2022 **Received by EDM:** 6/27/2022 **EDM Database Updated:** 6/27/2022

Archived Cerclis Sites(NFRAP)

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

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

RCRA-LQG,SQG,CESQG and Transporters(NONTSD)

The EDM NONTSD list is a subset of the US EPA RCRAInfo System and identifies facilities that generate and transport hazardous wastes. These facilities may be Large Quantity Generators (LQG), Small Quantity Generators (SQG), Conditionally Exempt SQG's (CESQG) as well as" Non-Notifiers" and "Non-Handlers".

Agency File Date: 3/28/2022 **Received by EDM:** 4/2/2022 **EDM Database Updated:** 4/3/2022

National Priorities List(NPL)

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

Agency File Date: 6/29/2022 **Received by EDM:** 6/30/2022 **EDM Database Updated:** 6/30/2022

NPL Liens List(NPLLIENS)

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

Agency File Date: 5/23/2022 **Received by EDM:** 6/30/2022 **EDM Database Updated:** 6/30/2022

SEMS Active Site Inventory List(SEMSACTV)

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

Agency File Date: 4/27/2022 **Received by EDM:** 5/3/2022 **EDM Database Updated:** 5/3/2022

SEMS Archived Site Inventory List(SEMSARCH)

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

Agency File Date: 4/27/2022 **Received by EDM:** 5/3/2022 **EDM Database Updated:** 5/3/2022

Tribal Lust List(TRIBLLUST)

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

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

Tribal Tanks List(TRIBLTANKS)

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

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

RCRA-Treatment, Storage and/or Disposal Sites(TSD)

The EDM TSD list is a subset of the US EPA RCRAInfo system and identifies facilities that Treat, Store and/or Dispose of hazardous waste.

Agency File Date: 3/28/2022 **Received by EDM:** 4/3/2022 **EDM Database Updated:** 4/3/2022

Brownfields Management System(USBRWNFLDS)

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

Agency File Date: 1/11/2022 **Received by EDM:** 1/11/2022 **EDM Database Updated:** 1/24/2022

Institutional and/or Engineering Controls(USINSTENG)

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

Agency File Date: 4/3/2022 **Received by EDM:** 4/3/2022 **EDM Database Updated:** 4/4/2022

Environmental Impact Areas

Brownfield Areas and Sites

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

Agency File Date: 5/3/2022 **Received by EDM:** 5/3/2022 **EDM Database Updated:** 5/3/2022

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

Cattle Dipping Vats

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

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

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

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

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

Formerly Used Defense Sites

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

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

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

FUDS Munitions Response Sites

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

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

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

Groundwater Contamination Areas

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

This information is intended to be used by regulatory agencies issuing potable water well construction permits in areas of ground water contamination to protect public health and the ground water resource. Permitted water wells in these areas must meet specific well construction criteria and water testing prior to well use. This dataset only indicates the presence or absence of specific groundwater contaminants and does not represent all known sources of groundwater contamination in the state of Florida.

Agency File Date: 11/28/2018 **Received by EDM:** 1/24/2019 **EDM Database Updated:** 1/24/2019

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

Institutional Controls

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

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

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

Agency File Date: 7/20/2022 **Received by EDM:** 7/25/2022 **EDM Database Updated:** 7/25/2022

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

National Priorities List

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

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

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

Solid Waste Facilities

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

Agency File Date: 1/23/2019 **Received by EDM:** 1/24/2019 **EDM Database Updated:** 1/25/2019

https://floridadep.gov/waste

State Funded Cleanup Sites

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

Agency File Date: 3/30/2021 **Received by EDM:** 3/31/2021 **EDM Database Updated:** 3/31/2021

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

16.5
Regulatory Documents

No Regulatory Documents are available for the Subject Property.

16.6
Contract Agreement

ERMI Environmental Risk Management, Inc.
Licensed Engineering & Geology Firm • Assessment & Remediation Consultants

July 18, 2022

Mr. Anthony J. Cariveau, MPA, CPPO, CPPB, NIGP-CPP, FCCN
Purchasing Director
City of Parkland
6600 North University Drive
Parkland, Florida 33067

VIA Email: acariveau@cityofparkland.org

RE: Proposed AAI Phase I Environmental Site Assessment
Heron Bay Golf Course – Four (4) Parcels
Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road
Parcel ID Nos.: 4841 06 00 0080, 4841 05 01 0134, 4841 05 01 0072, and 4841 06 01 0010
Coral Springs, Broward County, Florida 33076
ERMI File No.: E4590A

Dear Mr. Cariveau:

Environmental Risk Management, Inc. (ERMI) proposes to conduct a Phase I Environmental Site Assessment (ESA) of the referenced property in accordance with the EPA's All Appropriate Inquiry (AAI) rule for property assessments and ASTM E1527-21.

The purpose of the proposed research is to determine if any evidence exists to suggest the presence of environmental impact to the soil and/or groundwater of the site. The specified level of diligence is in accordance with the scope and limitations of 2021 ASTM Standards. The limitations of Phase I ESAs are documented in ASTM E1527-21, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." Matters outside the scope of this investigation, include but are not limited to: asbestos containing materials, radon, mold, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historical resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high voltage power lines. Please contact us if you are interested in adding any of these matters to the scope of work for this project.

We propose to you a fixed fee of [redacted] for our services according to the attached schedule of Terms and Conditions dated January 1, 2022, which is made a part of this agreement as if fully contained herein. ERMI has the right to apply interest charges if payment is not received by ERMI within ten (10) business days of the report date. ERMI will provide our final report electronically via email and printed copies if required as indicated below.

Please provide the following information to ERMI:

- Legal name(s) of all entities to which the report should be certified.
- Reliable documentation indicating the subject property boundaries, and a legal description of the property.
- If available, title information.
- Confirmation that ERMI has been granted full access to the site by the property owner (ERMI will need to notify the owner prior to our site investigation). If the confirmation is not provided, additional time and fees may apply to coordinate access.
- Clear notification of any confidentiality issues that may exist with any person associated with the subject property. If there are no confidentiality issues with tenants, please provide any contact information available for site owners, operators, tenants, etc.

For an additional fee ERMI can provide the following follow-up services after completing this project:

- Additional bound copies of the report.
- Additional certifications for reliance on the report.
- Updates to the report after report submittal.

We trust this proposal is responsive to your needs. If acceptable, please so indicate by signing and returning one copy of this proposal, receipt of which shall constitute our Notice to Proceed. ERMI presumes that by authorizing this contract, you have obtained permission for ERMI to perform these services on the subject property.

Final payment will be due upon receipt of the report. This proposal will become null and void if not accepted within 30 days of its date.

Sincerely,

ENVIRONMENTAL RISK MANAGEMENT, INC.

Olivia Hilfiker

Olivia Hilfiker
Staff Scientist

Jonathan Ascher, MS, LEP
Senior Project Manager

Enclosure: AAI User Questionnaire
Terms and Conditions
Statement of Qualifications

PROPOSAL ACCEPTANCE

I HEREBY CERTIFY that I am the Owner of, Agent for the Owner of, or have a valid "Contract to Purchase" with the Owner of, the property which is the subject of this Proposal. I hereby authorize the performance of the services as set forth in this Proposal, and agree to compensate Environmental Risk Management, Inc., with monetary disbursement, for said services. I understand the result of any financing or real estate transaction will not affect payments due. Payment is due upon completion of the final project report and will be required prior to release of the report unless other written arrangements are made. I also acknowledge that I have read, understand, and agree to the terms and conditions set forth in this Proposal, or attached thereto. *I warrant and represent that I am authorized to enter into this agreement and agree to be personally responsible for the payment of all fees.*

This Proposal is accepted this day 5 of, August 2022.

By: Anthony Cariveau Digitally signed by Anthony Cariveau Date: 2022.08.05 08:16:57 -04'00'

Authorized Representative

Client: Anthony Cariveau, Purchasing Director, City of Parkland

Printed Name, Title, Company Name

Please list legal entities/individuals involved to which can rely on the proposed report. Upon completion of the report, any entities/individuals not listed, can be added in the form of a reliance letter for an additional fee.

Please indicate if the company/individual & address being invoiced is different from the information that appears on the front of this proposal.

Are Printed Reports Required?

None *1* *2*

AAI USER QUESTIONNAIRE

For use with the AAI ASTM Standard E 1527-21 Scope of Work Only

INTRODUCTION

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 Law*"), the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

In addition, certain information should be collected, if available, and provided to the *environmental professional* selected to conduct the Phase I ESA. This information is intended to assist the *environmental professional* but is not necessarily required to qualify for one of the *LLPs*. The information includes:

(a) the reason why the Phase I ESA is required,

(b) the type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.,

(c) the complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful),

(d) the scope of services desired for the Phase I ESA (including whether any parties to the *property* transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E1527 are to be considered),

(e) identification of all parties who will rely on the Phase I ESA *report*,

(1.) Environmental liens that are filed or recorded against the site (40 CFR 312.25).

Are you aware of any environmental cleanup liens against the Subject Property that are filed or recorded under federal, tribal, state, or local law?

_____

_____

_____

_____

(2.) Activity and use limitations that are in place on the property or that have been filed or recorded against the property (40 CFR 312.26)(a)(1)(v) and (vi)).

Are you aware of any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

_____

_____

_____

_____

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).

As the *user* of this *Phase I ESA* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

_____

_____

_____

_____

(4.) Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

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*?

_____
_____
_____
_____

(5.) Commonly known or *reasonably ascertainable* information about the *property* (40 CFR 312.30).

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

(a.) Do you know the past uses of the *Subject Property*?

_____
_____
_____
_____

(b.) Do you know of specific chemicals that are present or once were present at the *Subject Property*?

_____
_____
_____
_____

(c.) Do you know of spills or other chemical releases that have taken place at the *Subject Property*?

_____
_____
_____
_____

(d.) Do you know of any environmental cleanups that have taken place at the *Subject Property*?

_____
_____
_____
_____

(6.) The degree of obviousness of the presence of likely presence of contamination at the *property,* and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the *user* of this *Phase I ESA*, based on your knowledge and experience related to the Subject Property are there any *obvious* indicators that point to the presence or likely presence of contamination at the Subject Property?

_____
_____
_____
_____

TERMS AND CONDITIONS

January 1, 2022

By authorizing this contract, the client agrees to the following:

Payment: Payment is due upon completion of the final project report and will be required prior to release of the report unless other written arrangements are made. If payment terms are extended beyond the project due date, the client agrees to carefully read the invoices and promptly notify us, in writing, of any claimed errors or discrepancies within 15 days after the date of the invoice. If we do not receive such notice, it is presumed that you agree with the accuracy and fairness of the invoice. Invoices shall be considered past due if not paid within 30 days after the invoice date. Late payment charges of 1.5% per month of the balance due on the account shall be applied on all past due invoice. If any portion of an account is unpaid 90 days after the invoice date, the client shall pay the cost of collection, including reasonable attorney's fees.

Hidden Conditions: A structural condition is hidden if concealed by existing finishes or is not ascertainable by reasonable visual observation. For example, an unregistered underground storage tank with no visual evidence to indicate its existence is a hidden condition. Similarly, soil and/or groundwater contamination existing in an untested location, with no reasonable visual, regulatory, or historical evidence to indicate its existence is a hidden condition. ERMI will not be responsible for any liability associated with hidden conditions.

Reliance and Use of Reports: The party(ies) to whom the report is certified is entitled to rely on the information presented in the final report. No other parties are entitled to rely on the report unless additional written arrangements are made. If a successor or assignee of the client, or another third party, requests the ability to rely on the report, the party must agree to the terms and conditions of this contract agreement. Reliance is contingent upon unconditional acceptance of the terms and conditions and on the limitations expressed in the final report. Additional charges may apply for reliance letters. ERMI will provide one original and one copy of the final report to the client unless otherwise specified in the Scope of Work section of the agreement. Additional charges may apply if the client desires additional copies of the final report.

Site Safety: ERMI's site responsibilities are limited solely to the activities of ERMI. These responsibilities shall not be inferred to mean that ERMI has responsibility for the safety of any person not employed by ERMI.

Termination of Services: The result of any financing or real estate transaction will not affect payments due. If the client desires to terminate this agreement for any reason, and ERMI has rendered professional services toward completion of the project, a fee of $900.00, or fees on a time and materials basis, will be charged, whichever is greater. The termination notice must be submitted in writing to the project manager.

Indemnifications: ERMI agrees to indemnify the client from liability caused by ERMI negligence arising from the services provided by ERMI in this project. Client agrees to indemnify ERMI from liability caused by the client, the property owner, or the facility operator at the subject property, and to indemnify ERMI from liability or losses associated with real estate transactions or financing.

Mediation: In an effort to resolve any conflicts that may arise from this project, client and ERMI agree that all disputes shall be submitted to non-binding mediation, unless the parties mutually agree otherwise.

Applicable Law: This agreement shall be governed by the laws of Florida, and venue of any proceedings shall lie exclusively in Lee County Florida.

ERMI Environmental Risk Management, Inc.

Licensed Engineering & Geology Firm • Assessment & Remediation Consultants

Statement of Qualifications

Environmental Risk Management, Inc. (ERMI) was founded in 1999, to provide risk management consulting, turnkey transaction due diligence, assessment and remediation, water quality monitoring, tank closure, stormwater management, environmental forensics, and comprehensive environmental services. Our mission is to manage environmental risks, restore property value and provide economic benefits to our clients. As indicated by our name, we focus on strategies to manage environmental risk to meet our clients' objectives.

Professional License Numbers: Engineering Firm: 00008700; Geology Business: 0000367
FDEP Remediation Agency Term Contractor #542, FDEP Forensic Consultant (GC-671)

Services

Phase I/II Environmental Site Assessments
Asbestos Containing Materials Surveys
Asbestos Abatement Oversight
Indoor Air Quality Assessments
Wetland Delineations
Hazardous Waste Compliance Audits
Brownfields Redevelopment
No Further Action with Controls
Insurance Claim Services
Risk Based Corrective Action
Water Quality Monitoring
Site Assessment Reports
Remedial Action Plans
Site Remediation
Tank Closure
Forensic Investigations
Funding Allocation Agreements
Litigation Support/Expert Witness
Stormwater Services
Spill Prevention, Control and Countermeasure (SPCC) Plans
No Further Action (NFA) Letters

Insurance Coverage

Professional Liability: $5,000,000
General Liability: $5,000,000
Pollution Liability: $5,000,000
Automobile Liability: $1,000,000

Representative Client List

Florida Department of Environmental Protection
Zurich US Environmental Claims Department
Synovus Bank
First Florida Integrity Bank
Centennial Bank
Cogent Bank
First Bank
The Brookline Companies, LLC
Breitburn Energy Partners LP
Benderson Development Company, LLC
City of Naples
City of Fort Myers
Lee County
Streetside Retail

References

Melike Altun, PhD	FDEP Site Manager	(850) 245-8868
Jon Iglehardt	Administrator, South District FDEP	(239) 344-5600
Melike Altun, PhD	FDEP Site Manager	(850) 245-8868
Michael Poff, P.E.	Coastal Engineering Consultants	(239) 643-2324
Bob Fingar	Guilday, Tucker, Schwartz & Simpson, P.A.	(850) 385-1212
Phil Snyderburn	Collier County Pollution Control & Prevention Dept.	(239) 252-5081
David Stevens	Investment Properties Corporation	(239) 261-3400
Jack Barsin	Gulf Coast Insurance	(800) 875-0154
Ned Bowman	Florida Petroleum Marketers Association (FPMA)	(800) 222-4082

Contact Information

Environmental Risk Management, Inc.
6835 International Center Boulevard, Suite 5
Fort Myers, FL 33912
www.ermi.net

Email: info@ermi.net
Phone: 1-888-368-6468
Fax: 1-888-368-6329

16.7
National Wetlands Inventory Map

U.S. Fish and Wildlife Service
National Wetlands Inventory

National Wetlands Inventory Map E4590A

August 5, 2022

Wetlands

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

ERMI Environmental Risk Management
Engineering & Geology • Assessment & Remediation Consultants

Phase II Environmental Site Assessment Report

Commercial Property
Heron Bay Golf Course – Four (4) Parcels
Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road
Coral Springs, Broward County, Florida 33076

PREPARED FOR:

Mr. Anthony J. Cariveau, MPA, CPPO, CPPB, NIGP-CPP, FCCN
Purchasing Director
City of Parkland
6600 North University Drive
Parkland, Florida 33067

PREPARED BY:

ENVIRONMENTAL RISK MANAGEMENT

ERMI File No.: E4590B

November 4, 2022

6835 International Center Boulevard, Suite 5, Fort Myers, Florida 33912
www.ermi.net • 888-368-6468 • Fax: 888-368-6329

ERMI Environmental Risk Management
Engineering & Geology • Assessment & Remediation Consultants

November 4, 2022

Mr. Anthony J. Cariveau, MPA, CPPO, CPPB, NIGP-CPP, FCCN
Purchasing Director
City of Parkland
6600 North University Drive
Parkland, Florida 33067

RE: Phase II Environmental Site Assessment Report
Commercial Property
Heron Bay Golf Course – Four (4) Parcels
Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road
Coral Springs, Broward County, Florida 33076
ERMI File No.: E4590B

Dear Mr. Cariveau:

Environmental Risk Management (ERMI) has prepared this Phase II Environmental Site Assessment (ESA) Report to document the results of the recent soil and groundwater assessment activities conducted at the above-referenced facility in accordance with the scope of work that was approved in our September 22, 2022, contract agreement.

Please refer to Section 5.0 for the conclusions of this assessment.

Should you have any questions or concerns, please contact either of the undersigned at (239) 415-6406 to discuss the project.

Sincerely,
ENVIRONMENTAL RISK MANAGEMENT

Jonathan Ascher, MS, LEP
Senior Project Manager

Barry Murphree, PG
Principal Geologist

Table of Contents

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1.0 INTRODUCTION

Environmental Risk Management (ERMI) has prepared this Phase II Environmental Site Assessment Report for the Subject Property at Heron Bay Golf Course, encompassing four (4) parcels located at Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road, Coral Springs, Broward County, Florida. ERMI completed an August 19, 2022, Phase I Environmental Site Assessment (ESA) for the City of Parkland (Client). During the Phase I ESA, ERMI identified historic agricultural land use and historical golf course land use on the Subject Property.

2.0 SITE DESCRIPTION AND SCOPE OF WORK

2.1 Site Description

The Subject Property consists of four (4) contiguous parcels located at Heron Bay Boulevard, Heron Run Drive, and Nob Hill Road in Coral Springs, Broward County, Florida. The four (4) parcels encompass approximately 66 acres of a former golf course known as Heron Bay Golf Course. Heron Bay Golf Course has been vacant for the last approximately three (3) years. The Subject Property is assigned Parcel ID Nos.: 4841 06 00 0080, 4841 05 01 0134, 4841 05 01 0072, and 4841 06 01 0010 by the Broward County Property Appraiser.

The first parcel of the Subject Property, located on Heron Run Drive (Parcel ID No. 4841 06 00 0080), consists of an approximately five (5) acre portion of former golf course land on the northeastern portion of the parcel. The remaining approximately 82 acres of this parcel are not included in this assessment. The second parcel of the Subject Property (Parcel ID No. 4841 05 01 0134), located on Nob Hill Road, consists of approximately forty (40) acres of former golf course land and is developed with an approximately 1,000 square foot shed structure that was constructed in 1996. The third parcel of the Subject Property (Parcel ID No. 4841 05 01 0072), located on Heron Bay Boulevard, consists of approximately nine (9) acres of former golf course land. The fourth parcel of the Subject Property (Parcel ID No. 4841 06 01 0010), located on Heron Bay Boulevard, consists of approximately twelve (12) acres and is developed with an approximately 27,000 square foot, one-story vacant commercial structure. The former occupant of the structure was a clubhouse, pro shop, and restaurant for Heron Bay Golf Course. The structure has been vacant for the last approximately three (3) years. According to the Broward County Property Appraiser's Office, the commercial structure was constructed in 1996. The remaining areas of the fourth parcel of the Subject Property consist of approximately 259,400 square feet of an asphalt paved parking lot and driveways and approximately 236,600 square feet of vacant grass area.

Based on the review of the historical references, the Subject Property consisted of undeveloped land until at least the early 1950s. Agricultural land use was observed on the Subject Property and the adjoining properties from approximately the mid-1950s through the mid-1990s. Agricultural land use was no longer observed on the Subject

Property in the 1995 aerial photograph.

A golf course and commercial structure known as Heron Bay Golf Course were developed on the Subject Property by approximately 1996. The golf course has operated on the Subject Property from approximately 1996 through 2019, approximately twenty-three (23) years. Golf course operations ceased on the Subject Property approximately three (3) years ago.

The below scope of work was designed to assess the former fairway, green, and tee box areas of the Subject Property. Please refer to **Figure 1** for a Site Map.

2.2 Scope of Work

The following scope of work was completed:

- On October 6 and 7, 2022, ERMI personnel installed twenty (20) soil borings utilizing a stainless-steel hand auger.
- On October 6 and 7, 2022, ERMI personnel collected forty (40) soil samples for laboratory analysis.
- On October 6 and 7, 2022, ERMI personnel installed five (5) temporary monitoring wells.
- On October 6 and 7, 2022, ERMI personnel collected five (5) groundwater samples for laboratory analysis.
- All soil samples collected during this assessment were submitted to Pace Analytical (Pace) for laboratory analysis. Pace maintains Department of Health (DOH) certification #E87487.
- ERMI prepared this Limited Groundwater and Soil Assessment Report to document the results of the above-referenced scope of work.

2.3 General Methodology

The methodology utilized for this assessment was developed in general accordance with Chapter 62-780, Florida Administrative Code (F.A.C.), Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP), and all applicable guidance documents.

3.0 SOIL ASSESSMENT

On October 6 and 7, 2022, ERMI installed twenty (20) soil borings (SB-1 through SB-20) utilizing

stainless steel hand augers. Grab soil samples were collected at zero to six inches and six inches to 2 feet below land surface (ft bls) intervals from each soil boring. The water table was encountered at approximately 3 ft bls. The soil samples were collected in accordance with FDEP Standard Operating Procedure (SOP) F3000 for soil sampling during field investigations

Soil samples were collected from the zero to six-inch and six-inch to 2 ft bls interval at twenty (20) soil boring locations. The samples were sent to the laboratory for analysis of arsenic via EPA Method 6010. Copies of the soil boring logs and field notes are included in Appendix A. Figure 2 depicts the site location and the soil boring locations.

3.1 Soil Laboratory Analytical Results

Copies of the complete laboratory analytical data reports and sample chain of custody documentation are included in Appendix B.

On October 6 and 7, 2022, ERMI collected forty (40) soil samples for laboratory analysis from soil borings installed around greens, fairways, and tee boxes. Forty (40) soil samples for laboratory analysis of arsenic were collected from zero to six-inch and six-inch to 2 ft bls intervals at each location.

Laboratory analysis of the below soil samples, collected on October 6 and 7, 2022, yielded detections of arsenic greater than the State of Florida Soil Cleanup Target Level (SCTL) of 2.1 milligrams per kilogram (mg/kg) outlined in Table II of Chapter 62-777, Florida Administrative Code (F.A.C).

Soil Boring No.	Soil Boring Depth	As Concentration (mg/kg)
SB-2	0 – 0.5ft	6.52
SB-4	0.5 – 2ft	12.3
SB-4	0.5 – 2ft	2.53
SB-5	0 – 0.5ft	9.65
SB-6	0.5 – 2 ft	7.04
SB-7	0.5 – 2ft	15.9
SB-7	0.5 – 2 ft	10.5
SB-8	0 – 0.5 ft	5.03
SB-9	0 – 0.5ft	11.9
SB-9	0.5 – 2ft	2.47
SB-10	0 – 0.5ft	4.32
SB-11	0 – 0.5ft	3.06
SB-13	0 – 0.5ft	28.3
SB-13	0.5 – 2ft	2.16
SB-15	0.5 – 2ft	2.27
SB-16	0 – 0.5ft	2.41

SB-16	0.5 – 2ft	2.25
SB-17	0.5 – 2 ft	2.15
SB-18	0.5 – 2ft	3.07

Please refer to **Table 1** for a summary of soil analytical results.

4.0 GROUNDWATER ASSESSMENT

On October 6 and 7, 2022, ERMI installed five (5) temporary monitoring wells (TMW-1 through TMW-5) for collection of groundwater samples. Groundwater samples from the monitoring wells were collected for laboratory analysis of arsenic using EPA Method 6010.

The groundwater samples were submitted to Pace for analysis under sample chain-of-custody procedure. The FDEP groundwater sampling logs, field notes, well construction and development logs, and instrument calibration sheets are provided in **Appendix A**.

4.1 Monitoring Well Installation and Construction

On October 6 and 7, 2022, ERMI installed temporary monitoring wells TMW-1 through TMW-5. The temporary monitoring wells were constructed of 1-inch diameter Schedule 40 polyvinyl chloride (PVC) with 5 ft of 0.010-inch slotted screen section and 1 foot of solid PVC riser. The wells were completed with a sand filter pack consisting of 20/30 grade silica. The wells were installed to depths of approximately 3 ft bls. The locations of the temporary monitoring wells are depicted on **Figure 1**.

4.2 Groundwater Laboratory Analytical Results

Laboratory analysis of groundwater samples collected from temporary monitoring well TMW-2 on October 6 and 7, 2022, yielded a detection of arsenic greater than the State of Florida Groundwater Cleanup Target Levels (GCTLs), but below Natural Attenuation Default Concentrations (NADCs) as outlined in Table I and Table V, respectively, of Chapter 62-777, F.A.C. Elevated turbidity (greater than 200 nephelometric turbidity Units (NTU)) was noted during the sampling event.

Laboratory analysis of groundwater samples collected from temporary monitoring wells TMW-1, TMW-3, TMW-4, and TMW-5 did not yield any detections greater than State of Florida GCTLs.

Table 2 provides a summary of groundwater analytical results. The groundwater elevation summary is provided in **Table 3.** Copies of the complete laboratory analytical data report and sample chain-of-custody documentation are included in **Appendix B.**

5.0 CONCLUSIONS

Based on the site assessment activities, ERMI concludes the following:

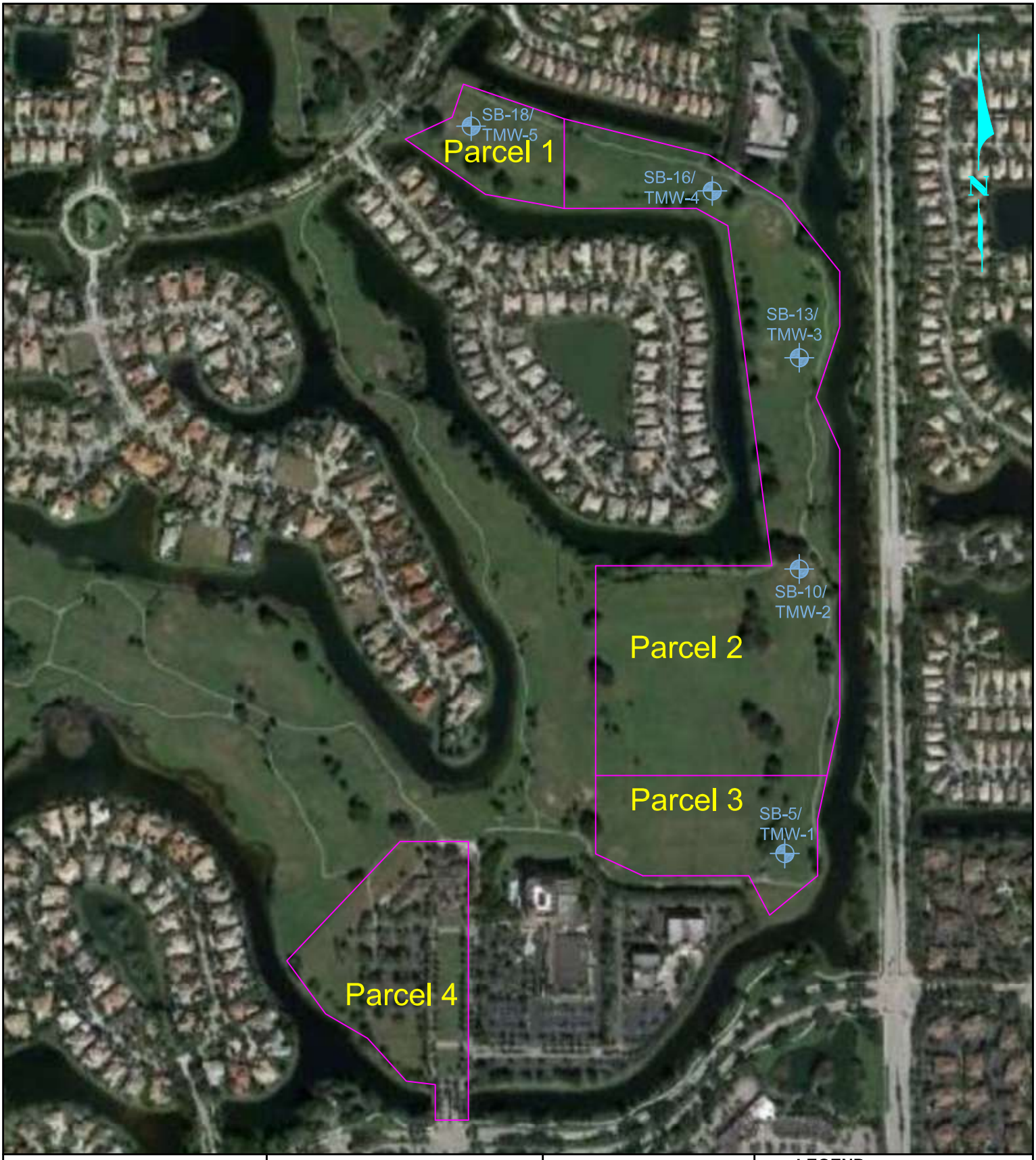
- On October 6 and 7, 2022, ERMI collected soil samples from twenty (20) soil borings (SB-1 through SB-20) for laboratory analysis.

- Laboratory analysis resulted in nineteen (19) of the forty (40) soil samples showing detections of arsenic greater than the State of Florida Direct Exposure Residential criteria. Three (3) of the samples were also greater than the State of Florida Direct Exposure Commercial/Industrial criteria.

- Laboratory analysis of the groundwater samples collected from temporary monitoring wells TMW-1, TMW-3, TMW-4, and TMW-5 did not yield detections of arsenic greater than State of Florida GCTLs.

- Laboratory analysis of the groundwater samples collected from temporary monitoring well location TMW-2 yielded a detection of arsenic greater than State of Florida GCTLs, but below NADCs. Elevated turbidity (greater than 200 NTU) was noted during the sampling event.

FIGURES



Commercial Property 11801 Heron Bay Blvd, Heron Run Dr, and Nob Hill Rd, Coral Springs, Broward County, Florida 33076	**FIGURE 1:** Site Map	Approximate Scale NTS	**LEGEND** Approximate Property Boundary Temporary Monitoring Well Location
		DRAFTED BY: OKH/CVD	
November 2022	ERMI File #: E4590B	REVIEWED BY: JMA	

ERMI
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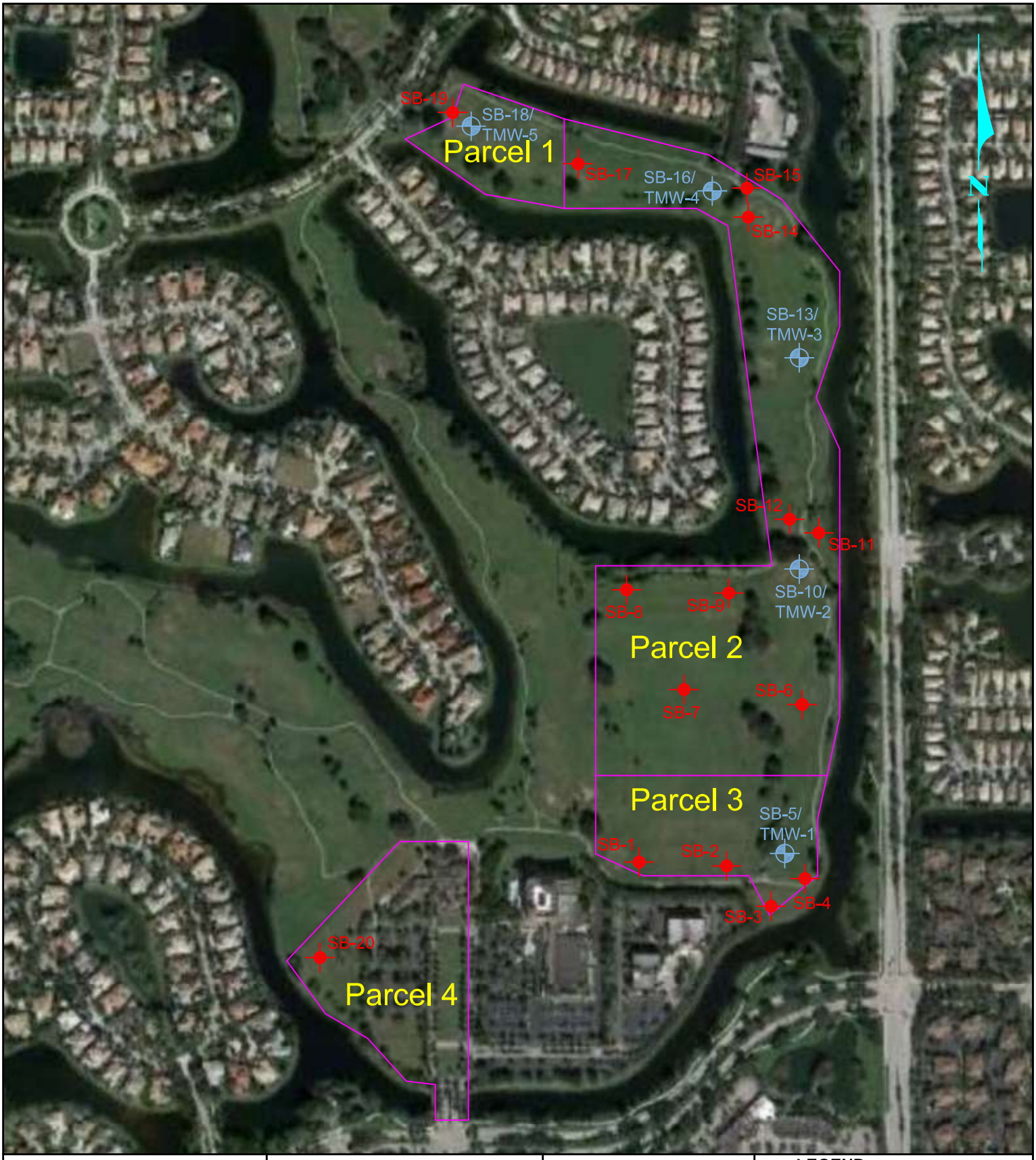

Commercial Property 11801 Heron Bay Blvd, Heron Run Dr, and Nob Hill Rd, Coral Springs, Broward County, Florida 33076	**FIGURE 2:** Soil Boring Location Map	Approximate Scale NTS	**LEGEND** Approximate Property Boundary Temporary Monitoring Well Location Soil Boring Location
		DRAFTED BY: OKH/CVD	
November 2022	ERMI File #: E4590B	REVIEWED BY: JMA	

ERMI
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TABLES

TABLE 1: SOIL ANALYTICAL SUMMARY - Metals

Facility Name: Commercial Property 1181 Heron Bay Blvd, Heron Run Dr, and Nob Hill Rd, Coral Springs, FL 33076

Sample				OVA				
Boring No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Arsenic (mg/kg)	Cadmium (mg/kg)	Chro-mium (mg/kg)	Lead (mg/kg)
Leachability Based on Groundwater Criteria (mg/kg)					*	7.5	38	*
Direct Exposure Residential (mg/kg)					2.1	82	210	400
Direct Exposure Commercial/Industrial (mg/kg)					12	82	210	400
SB-1	10/6/2022	--	0 - 0.5	--	1.93 I	NS	NS	NS
SB-1	10/6/2022	--	0.5 - 2	--	2.09 I	NS	NS	NS
SB-2	10/6/2022	--	0 - 0.5	--	**6.52**	NS	NS	NS
SB-2	10/6/2022	--	0.5 - 2	--	2.02 I	NS	NS	NS
SB-3	10/6/2022	--	0 - 0.5	--	0.612 I	NS	NS	NS
SB-3	10/6/2022	--	0.5 - 2	--	0.563 U	NS	NS	NS
SB-4	10/6/2022	--	0 - 0.5	--	**12.3**	NS	NS	NS
SB-4	10/6/2022	--	0.5 - 2	--	**2.53 I**	NS	NS	NS
SB-5	10/6/2022	--	0 - 0.5	--	**9.65**	NS	NS	NS
SB-5	10/6/2022	--	0.5 - 2	--	1.99 I	NS	NS	NS
SB-6	10/6/2022	--	0 - 0.5	--	1.07 I	NS	NS	NS
SB-6	10/6/2022	--	0.5 - 2	--	**7.04**	NS	NS	NS
SB-7	10/7/2022	--	0 - 0.5	--	**15.9**	NS	NS	NS
SB-7	10/7/2022	--	0.5 - 2	--	**10.5**	NS	NS	NS
SB-8	10/7/2022	--	0 - 0.5	--	**5.03**	NS	NS	NS
SB-8	10/7/2022	--	0.5 - 2	--	0.954 I	NS	NS	NS
SB-9	10/7/2022	--	0 - 0.5	--	**11.9**	NS	NS	NS
SB-9	10/7/2022	--	0.5 - 2	--	**2.47 I**	NS	NS	NS
SB-10	10/6/2022	--	0 - 0.5	--	**4.32**	NS	NS	NS
SB-10	10/6/2022	--	0.5 - 2	--	1.68 I	NS	NS	NS

TABLE 1: SOIL ANALYTICAL SUMMARY - Metals

Facility Name: Commercial Property 1181 Heron Bay Blvd, Heron Run Dr, and Nob Hill Rd, Coral Springs, FL 33076

Sample				OVA				
Boring No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Arsenic (mg/kg)	Cadmium (mg/kg)	Chro-mium (mg/kg)	Lead (mg/kg)
Leachability Based on Groundwater Criteria (mg/kg)					*	7.5	38	*
Direct Exposure Residential (mg/kg)					2.1	82	210	400
Direct Exposure Commercial/Industrial (mg/kg)					12	82	210	400
SB-11	10/7/2022	--	0 - 0.5	--	**3.06**	NS	NS	NS
SB-11	10/7/2022	--	0.5 - 2	--	1.29 I	NS	NS	NS
SB-12	10/7/2022	--	0 - 0.5	--	0.597 U	NS	NS	NS
SB-12	10/7/2022	--	0.5 - 2	--	1.88 I	NS	NS	NS
SB-13	10/6/2022	--	0 - 0.5	--	**28.3**	NS	NS	NS
SB-13	10/6/2022	--	0.5 - 2	--	**2.16 I**	NS	NS	NS
SB-14	10/7/2022	--	0 - 0.5	--	0.532 U	NS	NS	NS
SB-14	10/7/2022	--	0.5 - 2	--	0.541 U	NS	NS	NS
SB-15	10/7/2022	--	0 - 0.5	--	0.584 U	NS	NS	NS
SB-15	10/7/2022	--	0.5 - 2	--	**2.27**	NS	NS	NS
SB-16	10/7/2022	--	0 - 0.5	--	**2.41**	NS	NS	NS
SB-16	10/7/2022	--	0.5 - 2	--	**2.25**	NS	NS	NS
SB-17	10/7/2022	--	0 - 0.5	--	0.593 U	NS	NS	NS
SB-17	10/7/2022	--	0.5 - 2	--	**2.15 I**	NS	NS	NS
SB-18	10/7/2022	--	0 - 0.5	--	0.690 I	NS	NS	NS
SB-18	10/7/2022	--	0.5 - 2	--	**3.07**	NS	NS	NS
SB-19	10/7/2022	--	0 - 0.5	--	0.752 I	NS	NS	NS
SB-19	10/7/2022	--	0.5 - 2	--	0.771 I	NS	NS	NS
SB-20	10/7/2022	--	0 - 0.5	--	0.622 I	NS	NS	NS
SB-20	10/7/2022	--	0.5 - 2	--	0.612 U	NS	NS	NS

Notes: All values in milligrams per kilogram (mg/kg)

SCTLs -- Soil Cleanup Target Levels for Direct Exposure Residential per Chapter 62-777, F.A.C.

SCTLs -- Soil Cleanup Target Levels for Leachability Based on Groundwater Criteria per Chapter 62-777, F.A.C.

* = Leachability value may be determined using TCLP.

OVA = Organic Vapor Analyzer

fbls = feet below land surface

ppm = parts per million

ft = feet

NS = Not Sampled

U = BDL - Below Detection Limit

I = Result is between MDL & PQL

Bold = Result Exceeds Direct Exposure Residential

TABLE 2: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY

Facility Name: Commercial Property 1181 Heron Bay Blvd, Heron Run Dr, and Nob Hill Rd, Coral Springs, FL 33076

Sample		Total Arsenic
Location	Date	(µg/L)
GCTLs		10
NADCs		100
TMW-1	10/6/2022	7.51 I
TMW-2	10/6/2022	**78.2**
TMW-3	10/6/2022	4.40 U
TMW-4	10/7/2022	4.40 U
TMW-5	10/7/2022	4.40 U

Notes:
all values in micrograms per liter (ug/L)
GCTLs -- Groundwater Cleanup Target Levels from Table I of Chapter 62-777, F.A.C.
NADCs -- Natural Attenuation Default Concetrations from Table V of Chapter 62-777, F.A.C.
NS = Not Sampled
ug/L = microgram per liter
U = BDL - Below Detection Limit
I = Result is between MDL & PQL
Bold = Result Exceeds GCTL or NADC

TABLE 3: GROUNDWATER ELEVATION SUMMARY

Facility Name: Commercial Property 1181 Heron Bay Blvd, Heron Run Dr, and Nob Hill Rd, Coral Springs, FL 33076

All Measurements = Feet
No Data = Blank

WELL NO.	TMW-1	TMW-2	TMW-3	TMW-4	TMW-5
DIAMETER	1"	1"	1"	1"	1"
WELL DEPTH	5'	5'	5'	6'	6'
SCREEN INTERVAL	0'-5'	0'-5'	0'-5'	1'-6'	1'-6'
TOC ELEVATION					

DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
10/6/2022		3.00			3..20			3.10							
10/7/2022											4.28			4.33	

TOC elevation measured on November 21, 2018
TOC elevations are based on an arbitrary benchmark of 100 feet
TOC = Top of Casing
ELEV = Elevation
DTW = Depth of Water
FP = Free Product

Appendix A:

Sampling Logs, Field Notes, Well Construction and Development Logs, and Instrument Calibration Forms

Location Parkland, FL Date 10-6-22

Project / Client E459018 phase II

0500 start hasely truck
0600 Get to Site
0830 on site to perform Phase II on golf Course, nobody at site, Construction on site next inside Course

-

0900 - SB-1
0915 - SB-2
0930 - SB-3
0945 - SB-4
1000 - SB-5 (Cannot install TW-1)
1100 after 5 attempts TW-1 was installed on vicinity of SB-4
proceed to develop TW-1
1140 Complete Development, proceed to Sample well
1200 move to next location
1300 TW-2 installed proceed to develop TW-2
1400 START Sampling TW-2
1416 finish develop TW-2
- move to next location
1430 START on TW-3
1530 TW-3 installed, proceed to develop

Location Coral Springs, FL Date 10/7/22

Project / Client Heron Bay Golf Course
E4590

~~5:30~~ : Calibrate equipment
0530 - load truck T-007
0600 : Leave FM office
0815 : ARRive on site
0830 : Calibrate equipment
0845 : Begin Soil Samples

SB-6: 0845
SB-7: 0905
SB-8: 0925
SB-9: 0945
SB-11: 1005
SB-12: 1025
SB-14: 1045
SB-15: 1105
SB-17: 1125
SB-19: 11:45
SB-20: 1245
1250 - end of Soil samples/TMW
~~1450~~: Calibrate equipment/
1700 Clean up
0730 : Take Samples to ~~UP~~ Fedex/
go back to office
1930: ARRive at ERMI / end
OF Day

Location _____ Date _____

Project / Client _____

88

Location Parkland, FL Date 10-6-22

Project / Client E4130B

TW-3
- Proceed to Develop TW-3
1630 - Finish Develop TW-3
1646 - Finish Sampling TW-3
1730 Left Site
2000 Arrive Ft. Myers office

AC

89

Location Parkland, FL Date 10-7-22

Project / Client E4130B

0500 Load Truck
0530 Left to Site
0800 on Site to Continue GWS/SD/MW Install.

0900 START on SB-16
0915 SB-16 Collected, proceed to install well
- Refusal @ 4' on 3 different spots.
move to 4th Hole.
1000, well installed, START Develop TW-4 (10.22)
1100 Complete Development, proceed to Sample TW-4.
1130 Complete well.
- move to next location
10 Times Tried on TW-5, the location has OBSTRUCTION @ 4 on all of them
move the location
1330 START New location
1405 START Develop TW-5
1435 Finish Develop TW-5
- START GWS
1500 Complete GWS
1530 Left Site. to Pack and Ship Samples
1630 on Feder
1900 Arrive Ft Myers office

Rain in the Rain

BORING LOG

Boring/Well Number: SB-1	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/6/22 End Date: 10/6/22	Borehole Start Time: 0900 ☑ AM ☐ PM End Time: 0905 ☑ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro

Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25	Borehole Depth (feet): 2.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sands with some rocks	SP	D	sample SB-1 @ 0.5ft
	1-2						1				
	2-3						2	" "	SP	D	sample SB-1 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-2	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/6/22 End Date: 10/6/22	Borehole Start Time: 0915 ☑ AM ☐ PM End Time: 0920 ☑ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro

Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25	Borehole Depth (feet): 2.0

Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sands with some rocks	SP	D	sample SB-2 @ 0.5ft
	1-2						1				
	2-3						2	"	SP	D	sample SB-2 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Page 1 of 1

Boring/Well Number: SB-3	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/6/22 End Date: 10/6/22	Borehole Start Time: 0930 ☑ AM ☐ PM End Time: 0935 ☑ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	poorly graded fine sands with some rocks	SP	D	sample SB-3 @ 0.5ft
	1-2						1				
	2-3						2	"	" SP	D	sample SB-3 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-4	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/6/22 End Date: 10/6/22	Borehole Start Time: 0945 ☑ AM ☐ PM End Time: 0950 ☑ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25 / Borehole Depth (feet): 2.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): / OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine Sands with rocks	SP	D	sample SB-4 @ 0.5ft
	1-2						1				
	2-3						2	" "	SP	D	sample SB-4 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

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Boring/Well Number: SB-5/TMW-1	Permit Number:		FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/6/22 End Date: 10/6/22	Borehole Start Time: 1000 ☒ AM ☐ PM End Time: 1156 ☒ AM ☐ PM	
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul		Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25	Borehole Depth (feet): 5.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): ~5.0	Measured Well DTW (in feet after water recharges in well): 3.0	OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					-0.5	Poorly graded fine sands with rocks	SP	D	sample SB-5 @ 0.5ft
	1-2						1				
	2-3						2	"	SP	D	sample SB-5 @ 2.0ft
	3-4						3			M	
	4-5						4			W	
	5-6						5			S	
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number: SB-6	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 0845 ☒ AM ☐ PM End Time: 0850 ☒ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	poorly graded fine sands with rocks	SP	D	sample SB-6 @ 0.5ft
	1-2						1				
	2-3						2	" "	SP	D	sample SB-6 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number: SB-7	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 0905 ☒ AM ☐ PM End Time: 0910 ☒ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine Sands with rocks	SP	D	sample SB-7 @ 0.5ft
	1-2						1				
	2-3						2	"	SP	D	sample SB-7 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number: SB-8	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 0925 ☒ AM ☐ PM End Time: 0930 ☒ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded Sands with Some rock	SP	D	sample SB-8 @ 0.5ft
	1-2						1				
	2-3						2	" "	SP	D	sample SB-8 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-9	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 0945 [X] AM [ ] PM End Time: 0950 [X] AM [ ] PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro

Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25	Borehole Depth (feet): 2.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): [ ] FID [ ] PID

Disposition of Drill Cuttings [check method(s)]: [ ] Drum [ ] Spread [x] Backfill [ ] Stockpile [ ] Other

(describe if other or multiple items are checked):

Borehole Completion (check one): [ ] Well [ ] Grout [ ] Bentonite [x] Backfill [ ] Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine Sand Some rock	SP	D	sample SB-9 @ 0.5ft
	1-2						1				
	2-3						2	"	SP	D	sample SB-9 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

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Boring/Well Number: SB-10/TMW-2	Permit Number:		FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/6/22 End Date: 10/6/22	Borehole Start Time: 1200 AM ☒ PM End Time: 1416 AM ☒ PM	
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul		Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25	Borehole Depth (feet): 5.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): ~5.0	Measured Well DTW (in feet after water recharges in well): 3.20	OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sand with rocks	SP	D	sample SB-10 @ 0.5ft
	1-2						2	" "	SP	D	sample SB-10 @ 2.0ft
	2-3						3		SP	M	
	3-4						4				
	4-5						5		SP	W	
	5-6						6		SP	S	
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number: SB-11	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 1005 ☒ AM ☐ PM End Time: 1010 ☒ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sand with rocks	SP	D	sample SB-11 @ 0.5ft
	1-2						1				
	2-3						2	" "	SP	D	sample SB-11 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-12	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 1025 [X] AM [ ] PM End Time: 1030 [X] AM [ ] PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): [ ] FID [ ] PID		

Disposition of Drill Cuttings [check method(s)]: [ ] Drum [ ] Spread [x] Backfill [ ] Stockpile [ ] Other

(describe if other or multiple items are checked):

Borehole Completion (check one): [ ] Well [ ] Grout [ ] Bentonite [x] Backfill [ ] Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sand with many rocks	SP	D	sample ~~SB-12~~ @ 0.5ft
	1-2						1				
	2-3						2	"	" SP	D	sample ~~SB-12~~ @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: SB-13/TMW-3	Permit Number:		FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/6/22 End Date: 10/6/22	Borehole Start Time: 1430 ☐ AM ☒ PM End Time: 1646 ☐ AM ☒ PM	
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul		Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25	Borehole Depth (feet): 5.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): ~5.0	Measured Well DTW (in feet after water recharges in well): 3.10	OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	poorly graded fine sands with little rock	SP	D	sample SB-13 @ 0.5ft
	1-2						1				
	2-3						2	"	" SP	D	sample SB-13 @ 2.0ft
	3-4						3		SP	M	
	4-5						4		SP	W	
	5-6						5		SP	S	
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

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Boring/Well Number: SB-14	Permit Number:		FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 1045 ☒ AM ☐ PM End Time: 1050 ☒ AM ☐ PM	
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul		Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25	Borehole Depth (feet): 2.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sands with some rock	SP	D	sample SB-14 @ 0.5ft
	1-2						1				
	2-3						2	"	SP	D	sample SB-14 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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BORING LOG

Boring/Well Number: SB-15	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 1105 ☒ AM ☐ PM End Time: 1110 ☒ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sands with rocks	SP	D	sample SB-15 @ 0.5ft
	1-2						1				
	2-3						2	11	11 SP	D	sample SB-15 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: SB-16/MW-4	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 0900 ☒ AM ☐ PM End Time: 1128 ☒ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 6.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): ~6.0	Measured Well DTW (in feet after water recharges in well): 4.28
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	poorly graded fine sand with some rocks	SP	D	sample SB-16 @ 0.5ft
	1-2						1				
	2-3						2	"	SP	D	sample SB-16 @ 2.0ft
	3-4						3		SP	M	
	4-5						4		SP	W	
	5-6						5		SP	S	
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: SB-17	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 1125 ☒ AM ☐ PM End Time: 1130 ☒ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine Sands No rocks	SP	D	sample SB-17 @ 0.5ft
	1-2						1				
	2-3						2	"	SP	D	sample SB-17 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

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Boring/Well Number: SB-18/TMW-5	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 1130 ☒ AM ☐ PM End Time: 1452 ☒ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25 / Borehole Depth (feet): 6.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content): ~6.0	Measured Well DTW (in feet after water recharges in well): 4.33 / OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sands with rocks	SP	D	sample SB-18 @ 0.5ft
	1-2						1				
	2-3						2	"	SP	D	sample SB-18 @ 2.0ft
	3-4						3		SP	M	
	4-5						4		SP	W	
	5-6						5		SP	S	
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

Boring/Well Number: SB-19	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 1145 ☑ AM ☐ PM End Time: 1150 ☑ AM ☐ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25
Borehole Depth (feet): 2.0		
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):
OVA (list model and check type): ☐ FID ☐ PID		

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0-0.5	poorly graded fine sand with some rocks	SP	D	sample SB-19 @ 0.5ft
	1-2						1				
	2-3						2	"	" SP	D	sample SB-19 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

Florida Department of Environmental Protection - Division of Waste Management - Bureau of Petroleum Storage Systems

BORING LOG

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Boring/Well Number: SB-20	Permit Number:	FDEP Facility Identification Number:
Site Name: Commercial Property; Heron Bay Golf Course	Borehole Start Date: 10/7/22 End Date: 10/7/22	Borehole Start Time: 1245 ☐ AM ☒ PM End Time: 1250 ☐ AM ☒ PM
Environmental Contractor: ERMI	Env Sci's Name: Shannon Gaul	Environmental Technician's Name: Hans Alcerro
Drilling Company: ERMI	Pavement Thickness (inches):	Borehole Diameter (inches): 4.25 / Borehole Depth (feet): 2.0
Drilling Method(s): HA	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): / OVA (list model and check type): ☐ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☐ Drum ☐ Spread ☑ Backfill ☐ Stockpile ☐ Other

(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☑ Backfill ☐ Other (describe)

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-1	12					0.5	Poorly graded fine sands with little rock	SP	D	sample SB-20 @ 0.5ft
	1-2						1				
	2-3						2	"	" SP	D	sample SB-20 @ 2.0ft
	3-4						3				
	4-5						4				
	5-6						5				
							6				
							7				
							8				
							9				
							10				
							11				
							12				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Heron Bay Golf Course	SITE LOCATION: Coral Spring's, FL
WELL NO: ~~MW-~~ TMW-1	SAMPLE ID: ~~MW-~~ TMW-1
	DATE: 10/6/22

PURGING DATA

WELL DIAMETER (inches): 1"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 0 feet to 5 feet	STATIC DEPTH TO WATER (feet): 3.00	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (5 feet – 3.00 feet) X 0.04 gallons/foot = 0.08 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 4.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.5	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1153	TOTAL VOLUME PURGED (gallons): 1.3

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)
1145	0.5	0.5	0.10	3.12	7.26	28.1	866	2.94	67.00	NONE	NONE
1147	0.2	0.7	0.10	3.12	7.27	28.2	868	2.99	63.67	NONE	NONE
1149	0.2	0.9	0.10	3.12	7.26	28.2	870	2.99	62.57	NONE	NONE
1151	0.2	1.1	0.10	3.12	7.26	28.2	872	2.96	65.04	NONE	NONE
1153	0.2	1.3	0.10	3.12	7.26	28.2	870	2.95	60.28	NONE	NONE
			ORP: -80.4								

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: S. Gaul / ERMI	SAMPLER(S) SIGNATURE(S): S. Gaul	SAMPLING INITIATED AT: 1154	SAMPLING ENDED AT: 1156
PUMP OR TUBING DEPTH IN WELL (feet): 4.5	TUBING MATERIAL CODE: HDPE/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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
~~MW-~~									
TMW-1									
	1	HDPE	250mL	HCl	-	-	Dissolved Lead	APP	200

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Heron Bay Golf Course	SITE LOCATION: Coral Springs, FL
WELL NO: ~~MW-~~ TMW-2	SAMPLE ID: ~~MW-~~ TMW-2
DATE: 10/6/22	

PURGING DATA

WELL DIAMETER (inches): 7"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 0 feet to 5 feet	STATIC DEPTH TO WATER (feet): 3.20	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)
= (5 feet – 3.20 feet) X 0.04 gallons/foot = 0.072 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 4.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.5	PURGING INITIATED AT: 1400	PURGING ENDED AT: 1413	TOTAL VOLUME PURGED (gallons): 1.3

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)
1405	0.5	0.5	0.10	3.30	7.32	29.8	685.0	2.78	209.6	None	None
1407	0.2	0.7	0.10	3.30	7.31	29.7	679.0	2.77	222.5	None	None
1409	0.2	0.9	0.10	3.30	7.31	29.8	680.0	2.76	219.3	None	None
1411	0.2	1.1	0.10	3.30	7.32	29.8	680.0	2.73	217.0	None	None
1413	0.2	1.3	0.10	3.30	7.32	29.8	681.0	2.65	218.8	None	None
			ORP: -55.2								

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

PURGING EQUIPMENT CODES: **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: S. Paul / A. Arno ERMI	SAMPLER(S) SIGNATURE(S): S. Paul	SAMPLING INITIATED AT: 1414	SAMPLING ENDED AT: 1416
PUMP OR TUBING DEPTH IN WELL (feet): 4.5	TUBING MATERIAL CODE: HDPE/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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
~~MW-~~ TMW-2	1	HDPE	250mL	HCl	-	-	Dissolved Lead	APP	200

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Heron Bay Golf Course	SITE LOCATION: Coral Spring's, FL
WELL NO: ~~MW-~~TMW-3	SAMPLE ID: ~~MW-~~ TMW-3
	DATE: 10/6/22

PURGING DATA

WELL DIAMETER (inches): 1"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 0 feet to 5 feet	STATIC DEPTH TO WATER (feet): 3.10	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)
= (5 feet – 3.10 feet) X 0.04 gallons/foot = 0.076 gallons

EQUIPMENT VOLUME PURGE: **1 EQUIPMENT VOL.** = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 4.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 4.5	PURGING INITIATED AT: 1630	PURGING ENDED AT: 1643	TOTAL VOLUME PURGED (gallons): 1.3

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)
1635	0.5	0.5	0.10	3.15	6.94	27.6	687	5.21	317.5	None	None
1637	0.2	0.7	0.10	3.15	6.94	27.6	690	5.24	335.0	None	None
1639	0.2	0.9	0.10	3.15	6.93	27.7	687	5.25	330.0	None	None
1641	0.2	1.1	0.10	3.15	6.93	27.7	690	5.24	334.8	None	None
1643	0.2	1.3	0.10	3.15	6.93	27.7	687	5.23	333.1	None	None
			ORP: -129.9								

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: S. Gaul / ERMI	SAMPLER(S) SIGNATURE(S): S. Gaul	SAMPLING INITIATED AT: 1644	SAMPLING ENDED AT: 1646
PUMP OR TUBING DEPTH IN WELL (feet): 4.5	TUBING MATERIAL CODE: HDPE/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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
~~MW-~~									
TMW-3									
	1	HDPE	250mL	HCl	-	-	Dissolved Lead	APP	200

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME: Heron Bay Golf Course	SITE LOCATION: Coral Springs, FL
WELL NO: MW-4	SAMPLE ID: MW-4
	DATE: 10-7-22

PURGING DATA

WELL DIAMETER (inches): 1"	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 1 feet to 6 feet	STATIC DEPTH TO WATER (feet): 4.28	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)
= (6 feet – 4.28 feet) X 0.04 gallons/foot = 0.06 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 5.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.5	PURGING INITIATED AT: 1115	PURGING ENDED AT: 1124	TOTAL VOLUME PURGED (gallons): 0.9

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)
1120	0.5	0.5	0.10	4.30	6.79	27.1	1255	1.00	16.85	none	none
1122	0.2	0.7	0.10	4.30	6.77	27.1	1256	0.96	13.11	none	none
1124	0.2	0.9	0.10	4.30	6.78	27.1	1255	0.97	10.60	none	none
			ORP:	71.5							

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: S. Gaul / ERMI	SAMPLER(S) SIGNATURE(S): S. Gaul	SAMPLING INITIATED AT: 1125	SAMPLING ENDED AT: 1128
PUMP OR TUBING DEPTH IN WELL (feet): 5.5	TUBING MATERIAL CODE: HDPE/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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
~~MW-~~									
MW-4									
	1	HDPE	250 mL				Dissolved Lead	APP	200

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG

SITE NAME:	Heron Bay Golf Course	SITE LOCATION:	Coral Springs FL
WELL NO:	TMW-5	SAMPLE ID:	TMW-5
DATE:	10/7/22		

PURGING DATA

WELL DIAMETER (inches):	1"	TUBING DIAMETER (inches):	1/4	WELL SCREEN INTERVAL DEPTH:	1 feet to 6 feet	STATIC DEPTH TO WATER (feet):	4.33	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)
= (6 feet – 4.33 feet) X 0.04 gallons/foot = 0.0668 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	5.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	5.6	PURGING INITIATED AT:	1435	PURGING ENDED AT:	1448	TOTAL VOLUME PURGED (gallons):	1.3

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)
1440	0.5	0.5	0.10	4.35	7.04	28.0	1078	1.48	100.4	None	None
1442	0.2	0.7	0.10	4.35	7.04	28.0	1076	1.45	98.38	None	None
1444	0.2	0.9	0.10	4.35	7.05	29.0	1075	1.44	99.63	None	None
1446	0.2	1.1	0.10	4.35	7.06	29.1	1074	1.42	101.3	None	None
1448	0.2	1.3	0.10	4.35	7.07	29.1	1075	1.42	99.91	None	None
			ORP:	-66.0							

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:	S. Baul / ERMI	SAMPLER(S) SIGNATURE(S):	S. Baul	SAMPLING INITIATED AT:	1449	SAMPLING ENDED AT:	1452

PUMP OR TUBING DEPTH IN WELL (feet):	5.6	TUBING MATERIAL CODE:	HDPE/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 (including wet ice)					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
TMW-5	1	HDPE	250 mL				Dissolved Lead	APP	200

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

SAMPLING EQUIPMENT CODES: **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: Heron Bay Golf Course Coral Springs, FL

Calibrated by (Print)/Affiliation: Shannon (GAI)

Boldly "X" this box if there is qualified data on this page.

TURBIDITY (REFERENCE: DEP SOP FT 1600) Meter/Instrument Name and Unique ID:

Std=0.1-10 NTU +/-10% **Std=11-40 NTU +/-8%** **Std=41-100 NTU +/-6.5%** **Std>100 NTU +/-5%**

	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
(CAL) ICV CCV	SG	10/6/22	0930	0.02	5/23	210502	0.02		(P) F
(CAL) ICV CCV	SG		"	10.00	4/23	210407	9.98		(P) F
(CAL) ICV CCV	SG		"	1000	5/23	210503	1001		(P) F
CAL (ICV) CCV	SG		0933	0.02	5/23	210502	0.02		(P) F
CAL (ICV) CCV	SG		"	10.00	4/23	210407	10.00		(P) F
CAL (ICV) CCV	SG		"	1000	5/23	210503	1001		(P) F
CAL ICV (CCV)	SG		1650	0.02	5/23	210502	0.02		(P) F
CAL ICV (CCV)	SG		"	10.00	4/23	210407	9.98		(P) F
CAL ICV (CCV)	SG		"	1000	5/23	210503	1001		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

pH (REFERENCE: DEP SOP FT 1100) **Acceptance Criteria +/-0.2 SU**

Meter/Instrument Name and Unique ID: YSI Pro - Serial Number - 20F162280

	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
(CAL) ICV CCV	SG	10/6/22	0500	4.00	8/23	1GH562	4.01		(P) F
(CAL) ICV CCV	SG		0505	10.00	6/22	9GF372	10.00		(P) F
(CAL) ICV CCV	SG		0830	7.00	6/22	0GF592	7.01		(P) F
CAL (ICV) CCV	SG		1650	7.00	6/22	0GF592	7.01		(P) F
CAL ICV (CCV)	SG			7.00	6/22	0GF592	7.00		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

FIELD INSTRUMENT CALIBRATION RECORDS - EXAMPLE CALIBRATION LOG - PRP

Project Site/FacID: Heron Bay Golf Course Coral Springs

Calibrated by (Print)/Affiliation: Shannon Gaul

Boldly "X" this box if there is qualified data on this page.

Temperature (Quarterly) Date of Last Temp Verification: See log book:

DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500) **Acceptance Criteria +/-0.3 mg DO/L**

Meter/Instrument Name and Unique ID: YSI Pro - Serial Number - 20F162280

	Initials	Date	Time	Standard (DO %)	Temp °C	Saturation mg/L (100%)	Response DO (%)	Deviation mg DO/L	Deviation mg DO/L	Pass or Fail
(CAL) ICV CCV	SG	10/6/22	0500	100%	24	8.418	99.8	8.41		(P) F
CAL (ICV) CCV	SG		0505	100%	24	8.418	99.9	8.41		(P) F
CAL ICV (CCV)	SG		0830	100%	22	8.744	99.8	8.74		(P) F
CAL ICV (CCV)	SG		1650	100%	26	8.14	99.7	8.1		(P) F
CAL ICV CCV				100%						P F
CAL ICV CCV				100%						P F

See Table FT 1500-1 and/or Table FS 2200-2 for Dissolved Oxygen Saturation corresponding to Temperature.

SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200) **Acceptance Criteria +/-5% the standard**

Meter/Instrument Name and Unique ID: YSI Pro - Serial Number - 20F162280

	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response	Deviation (%)	Pass or Fail
(CAL) ICV CCV	SG	10/6/22	0500	100	6/22	1GG611	101		(P) F
(CAL) ICV CCV	SG		0505	1413	6/22	1GF067	1412		(P) F
CAL (ICV) CCV	SG		0510	1413	6/22	1GF067	1413		(P) F
CAL ICV (CCV)	SG		0830	1413	6/22	1GF067	1412		(P) F
CAL ICV (CCV)	SG		1650	1413	6/22	1GF067	1413		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F
CAL ICV CCV									P F

OXIDATION-REDUCTION POTENTIAL (ORP) **Acceptance Criteria +/-10 mV**

REFERENCE: ***EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)***

Meter/Instrument Name and Unique ID: YSI Pro - Serial Number - 20F162280

	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Response (mV)	Pass or Fail
(CAL) ICV CCV	SG	10/6/22	0500	220	6/22	1GJ449	220.1		(P) F
CAL (ICV) CCV	SG		0505	220	6/22	1GJ449	220.0		(P) F
CAL ICV (CCV)	SG		0830	220	6/22	1GJ449	219.9		(P) F
CAL ICV (CCV)	SG		1650	220	6/22	1GJ449	220.1		(P) F
CAL ICV CCV									P F
CAL ICV CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Appendix B:

Laboratory Analytical Report and Chain-of-Custody Record

ANALYTICAL REPORT

October 26, 2022

ERMI - FL

Sample Delivery Group:	L1544532
Samples Received:	10/08/2022
Project Number:	E4590
Description:	Heron Bay Golf Course

Report To:

Jon Ascher
6835 International Center Blvd
Suite 5
Fort Myers, FL 33912

Entire Report Reviewed By:

Jeff Carr
Project Manager

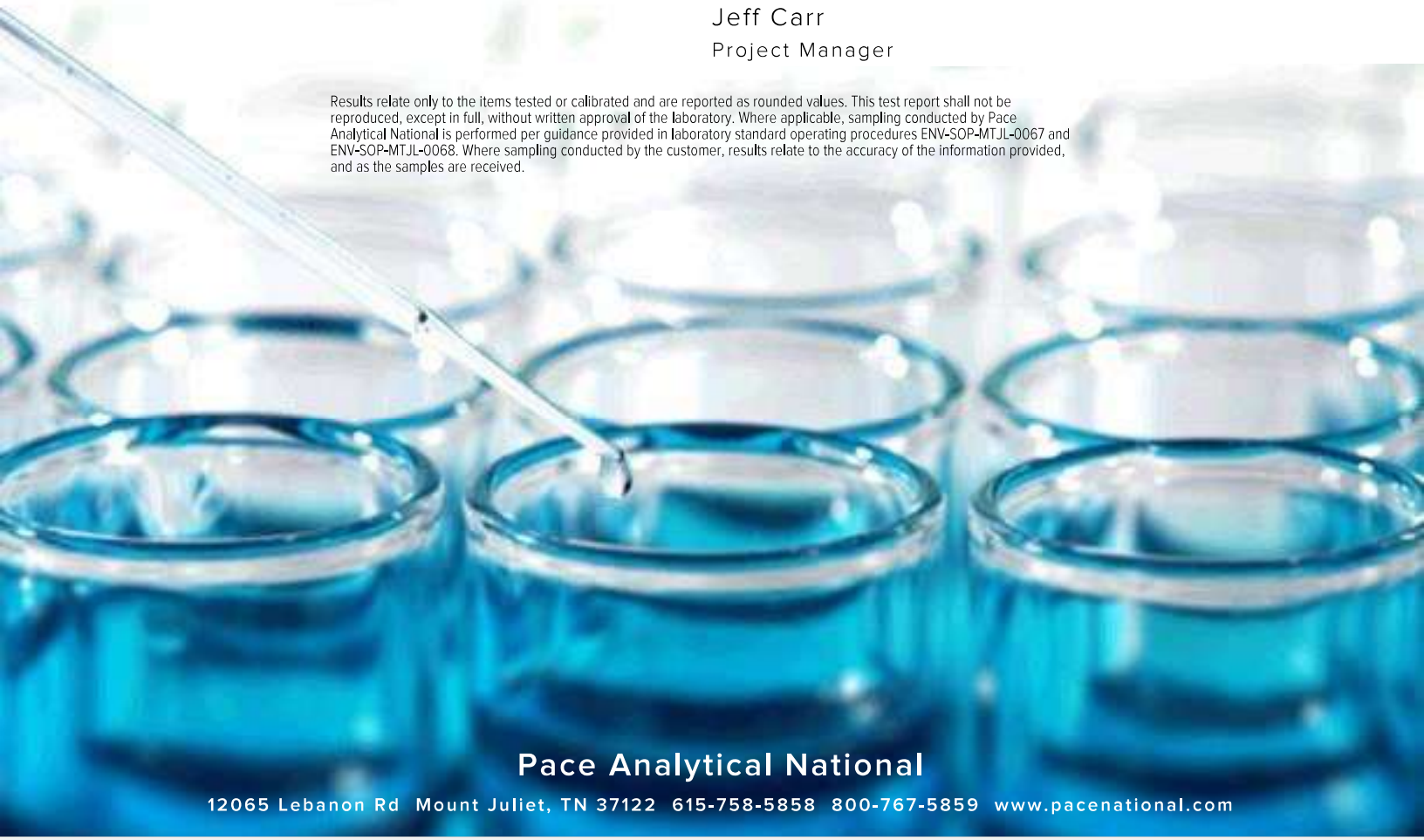

TABLE OF CONTENTS

SB-1 6IN L1544532-01 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 09:00 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940305	1	10/11/22 10:05	10/11/22 10:12	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1.43	10/23/22 23:07	10/25/22 15:15	ZSA	Mt. Juliet, TN

SB-1 2FT L1544532-02 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 09:05 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940305	1	10/11/22 10:05	10/11/22 10:12	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1	10/23/22 23:07	10/25/22 15:18	ZSA	Mt. Juliet, TN

SB-2 6IN L1544532-03 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 09:15 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940305	1	10/11/22 10:05	10/11/22 10:12	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1	10/23/22 23:07	10/25/22 11:11	ZSA	Mt. Juliet, TN

SB-2 2FT L1544532-04 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 09:20 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940305	1	10/11/22 10:05	10/11/22 10:12	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1	10/23/22 23:07	10/25/22 11:14	ZSA	Mt. Juliet, TN

SB-3 6IN L1544532-05 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 09:30 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940305	1	10/11/22 10:05	10/11/22 10:12	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1	10/23/22 23:07	10/25/22 14:25	ZSA	Mt. Juliet, TN

SB-3 2FT L1544532-06 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 09:35 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940305	1	10/11/22 10:05	10/11/22 10:12	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1	10/23/22 23:07	10/25/22 11:17	ZSA	Mt. Juliet, TN

SB-4 6IN L1544532-07 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 09:45 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940361	1	10/11/22 14:37	10/11/22 15:01	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1	10/23/22 23:07	10/25/22 10:28	ZSA	Mt. Juliet, TN

SB-4 2FT L1544532-08 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 09:50 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940361	1	10/11/22 14:37	10/11/22 15:01	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1	10/23/22 23:07	10/25/22 10:31	ZSA	Mt. Juliet, TN

SB-5 6IN L1544532-09 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 10:00 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940361	1	10/11/22 14:37	10/11/22 15:01	KDW	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946337	1	10/23/22 23:07	10/25/22 10:34	ZSA	Mt. Juliet, TN

SB-5 2FT L1544532-10 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 10:05 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 19:55	CCE	Mt. Juliet, TN

SB-6 6IN L1544532-11 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 08:45 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 19:58	CCE	Mt. Juliet, TN

SB-6 2FT L1544532-12 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 08:50 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:01	CCE	Mt. Juliet, TN

SB-7 6IN L1544532-13 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 09:05 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:04	CCE	Mt. Juliet, TN

SB-7 2FT L1544532-14 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 09:10 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:07	CCE	Mt. Juliet, TN

SB-8 6IN L1544532-15 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 09:25 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:10	CCE	Mt. Juliet, TN

SB-8 2FT L1544532-16 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 09:30 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:13	CCE	Mt. Juliet, TN

SB-9 6IN L1544532-17 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 09:45 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:16	CCE	Mt. Juliet, TN

SB-9 2FT L1544532-18 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 09:50 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:25	CCE	Mt. Juliet, TN

SB-10 6IN L1544532-19 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 12:00 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940362	1	10/11/22 18:22	10/11/22 18:35	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:27	CCE	Mt. Juliet, TN

SB-10 2FT L1544532-20 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 12:05 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1943189	1	10/23/22 22:24	10/25/22 20:31	CCE	Mt. Juliet, TN

SB-11 6IN L1544532-21 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 10:05 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:07	CCE	Mt. Juliet, TN

SB-11 2FT L1544532-22 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 10:10 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:10	CCE	Mt. Juliet, TN

SB-12 6IN L1544532-23 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 10:25 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:13	CCE	Mt. Juliet, TN

SB-12 2FT L1544532-24 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 10:30 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:22	CCE	Mt. Juliet, TN

SB-13 6IN L1544532-25 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 14:30 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 22:53	CCE	Mt. Juliet, TN

SB-13 2FT L1544532-26 Solid

Collected by: Shannon Gaul | Collected date/time: 10/06/22 14:35 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:25	CCE	Mt. Juliet, TN

SB-14 6IN L1544532-27 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 10:45 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:28	CCE	Mt. Juliet, TN

SB-14 2FT L1544532-28 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 10:50 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:31	CCE	Mt. Juliet, TN

SB-15 6IN L1544532-29 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 11:05 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940364	1	10/11/22 17:36	10/11/22 18:19	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:34	CCE	Mt. Juliet, TN

SB-15 2FT L1544532-30 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 11:10 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940539	1	10/11/22 10:31	10/11/22 10:50	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:37	CCE	Mt. Juliet, TN

SB-16 6IN L1544532-31 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 09:00 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:40	CCE	Mt. Juliet, TN

SB-16 2FT L1544532-32 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 09:05 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:44	CCE	Mt. Juliet, TN

SB-17 6IN L1544532-33 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 11:25 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:46	CCE	Mt. Juliet, TN

SB-17 2FT L1544532-34 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 11:30 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:50	CCE	Mt. Juliet, TN

SB-18 6IN L1544532-35 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 11:30 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/25/22 23:58	CCE	Mt. Juliet, TN

SB-18 2FT L1544532-36 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 11:35 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/26/22 00:01	CCE	Mt. Juliet, TN

SB-19 6IN L1544532-37 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 11:45 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/26/22 00:04	CCE	Mt. Juliet, TN

SB-19 2FT L1544532-38 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 11:50 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/26/22 00:07	CCE	Mt. Juliet, TN

SB-20 6IN L1544532-39 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 12:45 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/26/22 00:10	CCE	Mt. Juliet, TN

SB-20 2FT L1544532-40 Solid

Collected by: Shannon Gaul | Collected date/time: 10/07/22 12:50 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1940541	1	10/11/22 17:03	10/11/22 17:32	CMK	Mt. Juliet, TN
Metals (ICP) by Method 6010B	WG1946566	1	10/24/22 23:55	10/26/22 00:14	CCE	Mt. Juliet, TN

TMW-1 L1544532-41 GW

Collected by: Shannon Gaul | Collected date/time: 10/06/22 11:56 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1946795	1	10/22/22 07:59	10/24/22 15:37	ZSA	Mt. Juliet, TN

TMW-2 L1544532-42 GW

Collected by: Shannon Gaul | Collected date/time: 10/06/22 14:16 | Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1946795	1	10/22/22 07:59	10/24/22 15:45	ZSA	Mt. Juliet, TN

TMW-3 L1544532-43 GW

Collected by: Shannon Gaul
Collected date/time: 10/06/22 16:46
Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1946795	1	10/22/22 07:59	10/24/22 15:48	ZSA	Mt. Juliet, TN

TMW-4 L1544532-44 GW

Collected by: Shannon Gaul
Collected date/time: 10/07/22 11:28
Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1946795	1	10/22/22 07:59	10/24/22 15:51	ZSA	Mt. Juliet, TN

TMW-5 L1544532-45 GW

Collected by: Shannon Gaul
Collected date/time: 10/07/22 14:52
Received date/time: 10/08/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICP) by Method 6010B	WG1946795	1	10/22/22 07:59	10/24/22 15:54	ZSA	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jeff Carr
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.3		1	10/11/2022 10:12	WG1940305

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.93	I	0.839	3.24	1.43	10/25/2022 15:15	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.1		1	10/11/2022 10:12	WG1940305

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.09	I	0.639	2.47	1	10/25/2022 15:18	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.2		1	10/11/2022 10:12	WG1940305

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	6.52		0.594	2.29	1	10/25/2022 11:11	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	81.5		1	10/11/2022 10:12	WG1940305

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.02	I	0.635	2.45	1	10/25/2022 11:14	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	99.0		1	10/11/2022 10:12	WG1940305

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.612	I	0.523	2.02	1	10/25/2022 14:25	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.0		1	10/11/2022 10:12	WG1940305

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.563	U	0.563	2.17	1	10/25/2022 11:17	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	73.3		1	10/11/2022 15:01	WG1940361

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	12.3		0.707	2.73	1	10/25/2022 10:28	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.4		1	10/11/2022 15:01	WG1940361

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.53	I	0.736	2.84	1	10/25/2022 10:31	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.6		1	10/11/2022 15:01	WG1940361

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	9.65		0.620	2.39	1	10/25/2022 10:34	WG1946337

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	72.9		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.99	I	0.711	2.74	1	10/25/2022 19:55	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.6		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.07	I	0.598	2.31	1	10/25/2022 19:58	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.3		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	7.04		0.600	2.32	1	10/25/2022 20:01	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.9		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	15.9		0.576	2.22	1	10/25/2022 20:04	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	10.5		0.600	2.31	1	10/25/2022 20:07	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.6		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.03		0.643	2.48	1	10/25/2022 20:10	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.5		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.954	I	0.599	2.31	1	10/25/2022 20:13	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.1		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	11.9		0.663	2.56	1	10/25/2022 20:16	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	80.8		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.47	I	0.641	2.48	1	10/25/2022 20:25	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	78.4		1	10/11/2022 18:35	WG1940362

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	4.32		0.661	2.55	1	10/25/2022 20:27	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.1		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.68	I	0.588	2.27	1	10/25/2022 20:31	WG1943189

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.6		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.06		0.566	2.18	1	10/25/2022 23:07	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.1		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.29	I	0.575	2.22	1	10/25/2022 23:10	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.8		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.597	U	0.597	2.31	1	10/25/2022 23:13	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	1.88	I	0.584	2.26	1	10/25/2022 23:22	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.3		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	28.3		0.573	2.21	1	10/25/2022 22:53	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.16	I	0.586	2.26	1	10/25/2022 23:25	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.4		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.532	U	0.532	2.05	1	10/25/2022 23:28	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.8		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.541	U	0.541	2.09	1	10/25/2022 23:31	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.6		1	10/11/2022 18:19	WG1940364

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.584	U	0.584	2.26	1	10/25/2022 23:34	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	10/11/2022 10:50	WG1940539

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.27		0.580	2.24	1	10/25/2022 23:37	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.41		0.578	2.23	1	10/25/2022 23:40	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.7		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.25		0.571	2.21	1	10/25/2022 23:44	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	87.3		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.593	U	0.593	2.29	1	10/25/2022 23:46	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	83.5		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	2.15	I	0.620	2.39	1	10/25/2022 23:50	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.6		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.690	I	0.531	2.05	1	10/25/2022 23:58	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	70.1		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	3.07		0.739	2.85	1	10/26/2022 00:01	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	86.4		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.752	I	0.600	2.32	1	10/26/2022 00:04	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.8		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.771	I	0.604	2.33	1	10/26/2022 00:07	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.3		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.622	I	0.550	2.12	1	10/26/2022 00:10	WG1946566

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	84.7		1	10/11/2022 17:32	WG1940541

Metals (ICP) by Method 6010B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	0.612	U	0.612	2.36	1	10/26/2022 00:14	WG1946566

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	7.51	I	4.40	10.0	1	10/24/2022 15:37	WG1946795

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	78.2		4.40	10.0	1	10/24/2022 15:45	WG1946795

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.40	U	4.40	10.0	1	10/24/2022 15:48	WG1946795

Metals (ICP) by Method 6010B

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Arsenic	4.40	U	4.40	10.0	1	10/24/2022 15:51	WG1946795

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Arsenic	4.40	U	4.40	10.0	1	10/24/2022 15:54	WG1946795

Method Blank (MB)

(MB) R3847580-1 10/11/22 10:12

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1544532-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1544532-05 10/11/22 10:12 • (DUP) R3847580-3 10/11/22 10:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	99.0	98.6	1	0.398		10

Laboratory Control Sample (LCS)

(LCS) R3847580-2 10/11/22 10:12

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3847440-1 10/11/22 15:01

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1544241-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1544241-06 10/11/22 15:01 • (DUP) R3847440-3 10/11/22 15:01

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	42.5	43.2	1	1.61		10

Laboratory Control Sample (LCS)

(LCS) R3847440-2 10/11/22 15:01

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3847493-1 10/11/22 18:35

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1544532-15 Original Sample (OS) • Duplicate (DUP)

(OS) L1544532-15 10/11/22 18:35 • (DUP) R3847493-3 10/11/22 18:35

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	80.6	80.5	1	0.0979		10

Laboratory Control Sample (LCS)

(LCS) R3847493-2 10/11/22 18:35

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3847483-1 10/11/22 18:19

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1544532-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1544532-25 10/11/22 18:19 • (DUP) R3847483-3 10/11/22 18:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	90.3	90.1	1	0.250		10

Laboratory Control Sample (LCS)

(LCS) R3847483-2 10/11/22 18:19

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3847450-1 10/11/22 10:50

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1543317-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1543317-01 10/11/22 10:50 • (DUP) R3847450-3 10/11/22 10:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.7	94.3	1	0.357		10

Laboratory Control Sample (LCS)

(LCS) R3847450-2 10/11/22 10:50

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3847480-1 10/11/22 17:32

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1544532-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1544532-35 10/11/22 17:32 • (DUP) R3847480-3 10/11/22 17:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	97.6	97.4	1	0.230		10

Laboratory Control Sample (LCS)

(LCS) R3847480-2 10/11/22 17:32

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3852962-1 10/25/22 19:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	0.518	U	0.518	2.00

Laboratory Control Sample (LCS)

(LCS) R3852962-2 10/25/22 19:18

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	90.2	90.2	80.0-120	

L1544372-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1544372-02 10/25/22 19:21 • (MS) R3852962-5 10/25/22 19:29 • (MSD) R3852962-6 10/25/22 19:32

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	127	0.791	120	107	93.9	83.3	1	75.0-125			11.8	20

Method Blank (MB)

(MB) R3852870-1 10/25/22 14:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	0.518	U	0.518	2.00

Laboratory Control Sample (LCS)

(LCS) R3852870-2 10/25/22 14:23

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	92.2	92.2	80.0-120	

L1544532-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1544532-05 10/25/22 14:25 • (MS) R3852870-5 10/25/22 14:33 • (MSD) R3852870-6 10/25/22 14:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	101	0.612	94.8	92.5	93.2	91.0	1	75.0-125			2.46	20

Method Blank (MB)

(MB) R3852965-1 10/25/22 22:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	0.518	U	0.518	2.00

Laboratory Control Sample (LCS)

(LCS) R3852965-2 10/25/22 22:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	94.4	94.4	80.0-120	

L1544532-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1544532-25 10/25/22 22:53 • (MS) R3852965-5 10/25/22 23:01 • (MSD) R3852965-6 10/25/22 23:04

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	111	28.3	127	132	89.4	93.8	1	75.0-125			3.75	20

Method Blank (MB)

(MB) R3852409-1 10/24/22 15:13

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Arsenic	4.40	U	4.40	10.0

Laboratory Control Sample (LCS)

(LCS) R3852409-2 10/24/22 15:16

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	1000	944	94.4	80.0-120	

L1538189-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1538189-01 10/24/22 15:18 • (MS) R3852409-4 10/24/22 15:24 • (MSD) R3852409-5 10/24/22 15:26

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	1000	165	1140	1100	97.0	93.8	1	75.0-125			2.88	20

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates the compound was analyzed for but not detected above the method detection limit.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
ERMI - FL

6835 International Center Blvd
Suite 5
Fort Myers. FL 33912

Billing Information:
Accounts Payable
6835 International Center Blvd.
Suite 5
Fort Myers, FL 33912

Pres Chk

Report to: Jon Ascher

Email To: jascher@ermi.net

Project Description: Heron Bay Golf Course

City/State Collected: Coral Springs, FL

Please Circle: PT MT CT (E)

Phone: 239-415-6406

Client Project # E4590

Lab Project # ERMIFL-E4590

Collected by (print): Shannon Gaul

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Arsenic 250mlHDPE-HNO3	Arsenic, TS 2ozClr-NoPres								Remarks	Sample # (lab only)
SB-1 6in	G	SS	6in	10/6/22	0900	1		X									-01
SB-1 2ft		SS	2ft		0905	1		X									-02
SB-2 6in		SS	6in		0915	1		X									-03
SB-2 2ft		SS	2ft		0920	1		X									-04
SB-3 6in		SS	6in		0930	1		X									-05
SB-3 2ft		SS	2ft		0935	1		X									-06
SB-4 6in		SS	6in		0945	1		X									-07
SB-4 2ft		SS	2ft		0950	1		X									-08
SB-5 6in		SS	6in		1000	1		X									-09
SB-5 2ft		SS	2ft		1005	1		X									-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / (No) HCL / MeOH TBR
Brittany Fuller	10/3/22	11:11AM	S. Gaul	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received: 25
S. Gaul	10/7/22			If preservation required by Login: Date/Time
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			DRamsey	10-08-22 0900

Hold: Condition: NCF / (OK)

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L544532
D023

Acctnum: ERMIFL
Template: T217450
Prelogin: P955258
PM: 206 - Jeff Carr
PB: BF 10/3/22
Shipped Via: FedEX Ground

Company Name/Address:
ERMI - FL

6835 International Center Blvd
Suite 5
Fort Myers. FL 33912

Billing Information:
Accounts Payable
6835 International Center Blvd.
Suite 5
Fort Myers, FL 33912

Pres Chk

Report to:
Jon Ascher

Email To: jascher@ermi.net

Project Description: Heron Bay Golf Course

City/State Collected: Coral Springs, FL

Please Circle: PT MT CT (ET)

Phone: 239-415-6406

Client Project # E4590

Lab Project # ERMIFL-E4590

Collected by (print): Shannon Baul

Site/Facility ID #

P.O. #

Collected by (signature): Shannon Baul

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Arsenic 250mlHDPE-HNO3	Arsenic, TS 2ozClr-NoPres	Remarks	Sample # (lab only)
SB-6 6in	G	SS	6in	10/7/22	0845	1		X		-11
SB-6 2ft		SS	2ft		0850	1		X		-12
SB-7 6in		SS	6in		0905	1		X		-13
SB-7 2ft		SS	2ft		0910	1		X		-14
SB-8 6in		SS	6in		0925	1		X		-15
SB-8 2ft		SS	2ft		0930	1		X		-16
SB-9 6in		SS	6in		0945	1		X		-17
SB-9 2ft		SS	2ft		0950	1		X		-18
SB-10 6in		SS	6in	10/6/22	1200	1		X		-19
SB-10 2ft		SS	2ft		1205	1		X		-20

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

MT JULIET, TN

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SDG # L1544532

Table #

Acctnum: ERMIFL
Template: T217450
Prelogin: P955258
PM: 206 - Jeff Carr
PB: BF 10/3/22

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Brandon Fair	10/3/22	11:11AM	S. Ghul		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
Shannon Baul	10/7/22				
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			D. Ramsey	10-08-22 0900	

Company Name/Address:
ERMI - FL

6835 International Center Blvd
Suite 5
Fort Myers. FL 33912

Billing Information:
Accounts Payable
6835 International Center Blvd.
Suite 5
Fort Myers, FL 33912

Pres Chk

Report to:
Jon Ascher

Email To: **jascher@ermi.net**

Project Description:
Heron Bay Golf Course

City/State Collected: **Coral Springs, FL**

Please Circle: PT MT CT (ET)

Phone: **239-415-6406**

Client Project #
E4590

Lab Project #
ERMIFL-E4590

Collected by (print):
Shannon Gaul

Site/Facility ID #

P.O. #

Collected by (signature):
Shannon Gaul

Immediately
Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Arsenic 250mlHDPE-HNO3	Arsenic, TS 2ozClr-NoPres	Remarks	Sample # (lab only)
SB-11 6in	G	SS	6in	10/7/22	1005	1		X		-21
SB-11 2ft		SS	2ft		1010	1		X		-22
SB-12 6in		SS	6in		1025	1		X		-23
SB-12 2ft		SS	2ft		1030	1		X		-24
SB-13 6in		SS	6in	10/6/22	1430	1		X		-25
SB-13 2ft		SS	2ft		1435	1		X		-26
SB-14 6in		SS	6in	10/7/22	1045	1		X		-27
SB-14 2ft		SS	2ft		1050	1		X		-28
SB-15 6in		SS	6in		1105	1		X		-29
SB-15 2ft		SS	2ft		1110	1		X		-30

Chain of Custody Page ___ of ___

Pace
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SDG # L1544532

Table #

Acctnum: **ERMIFL**
Template: **T217450**
Prelogin: **P955258**
PM: **206 - Jeff Carr**
PB: **BF 10/3/22**
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: ✓Y __N
RAD Screen <0.5 mR/hr: ✓Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Brittney Fick	10/3/22	11:11AM	S. Gaul		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	
S. Gaul	10/7/22				
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: / Condition: NCF / OK
			D. Ramsey	10-08-22 0900	

Company Name/Address:
ERMI - FL

6835 International Center Blvd
Suite 5
Fort Myers. FL 33912

Billing Information:
Accounts Payable
6835 International Center Blvd.
Suite 5
Fort Myers, FL 33912

Pres Chk

Report to:
Jon Ascher

Email To: **jascher@ermi.net**

Project Description:
Heron Bay Golf Course

City/State Collected: Coral Springs, FL

Please Circle: PT MT CT (ET)

Phone: **239-415-6406**

Client Project #
E4590

Lab Project #
ERMIFL-E4590

Collected by (print):
Shannon Gaul

Site/Facility ID #

P.O. #

Collected by (signature):
Shannon Gaul

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Arsenic 250mlHDPE-HNO3	Arsenic, TS 2ozClr-NoPres	Remarks	Sample # (lab only)
SB-16 6in	G	SS	6in	10/7/22	0900	1		X	-31	-31
SB-16 2Ft		SS	2Ft		0905	1		X	-32	-33
SB-17 6in		SS	6in		1125	1		X	-33	-34
SB-17 2Ft		SS	2Ft		1130	1		X	-34	-35
SB-18 6in		SS	6in		1130	1		X	-35	-36
SB-18 2Ft		SS	2Ft		1135	1		X	-36	-37
SB-19 6in		SS	6in		1145	1		X	-37	-38
SB-19 2Ft		SS	2Ft		1150	1		X	-38	-39
SB-20 6in		SS	6in		1245	1		X	-39	-40
SB-20 2Ft		SS	2Ft		1250	1		X	-40	-41

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace
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MT JULIET, TN
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SDG # U544632

Table #

Acctnum: **ERMIFL**
Template: **T217450**
Prelogin: **P955258**
PM: **206 - Jeff Carr**
PB: BF 10/3/22
Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 6015 7108 8842

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
Brittany Fier	10/2/22	11:12AM	S. Gaul		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:	If preservation required by Login: Date/Time
S. Gaul	10/7/22				
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			D. Ramey	10-08-22 0900	

Company Name/Address:
ERMI - FL

6835 International Center Blvd
Suite 5
Fort Myers. FL 33912

Billing Information:
Accounts Payable
6835 International Center Blvd.
Suite 5
Fort Myers, FL 33912

Pres Chk

Report to:
Jon Ascher

Email To: **jascher@ermi.net**

Project Description:
Heron Bay Golf Course

City/State Collected: Coral Spring, FL

Please Circle: PT MT CT (ET)

Phone: **239-415-6406**

Client Project #
E4590

Lab Project #
ERMIFL-E4590

Collected by (print):
Shannon Gaul

Site/Facility ID #

P.O. #

Collected by (signature):
Shannon Gaul

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservative: Arsenic 250mlHDPE-HNO3	Arsenic, TS 2ozClr-NoPres	Remarks	Sample # (lab only)
TMW-1	G	GW	N/A	10/6/22	1156	1	X			-41
TMW-2		GW			1416	1	X			-42
TMW-3		GW			1646	1	X			-43
TMW-4		GW		10/7/22	1128	1	X			-44
TMW-5		GW			1452	1	X			-45

Chain of Custody Page ___ of ___

Pace
PEOPLE ADVANCING SCIENCE

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SDG # L544532

Table #

Acctnum: **ERMIFL**
Template: **T217450**
Prelogin: **P955258**
PM: **206 - Jeff Carr**
PB: BF 10/3/22

Shipped Via: **FedEX Ground**

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
Brittany Fiore	10/3/22	11:12AM	S. Gaul		
Shannon Gaul	10/7/22		Received by: (Signature)	Temp: °C Bottles Received:	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
			D. Ramsey	10-08-22 0900	

LF144532

Tracking Numbers	Temperature
5755 8088 9260	NSA 7 41.8+.0=48
5822 7564 3884	NSA7 3.5+.0=3.5