

# FINAL CONTAMINATION SCREENING EVALUATION REPORT

TOWN OF BAY HARBOR ISLANDS

BROAD CAUSEWAY BRIDGE REPLACEMENT  
PROJECT DEVELOPMENT & ENVIRONMENT STUDY



*Prepared for:*

Town of Bay  
Harbor Islands, Florida

May 2024





<b>Financial Project Identification</b>	
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# DRAFT CONTAMINATION SCREENING EVALUATION REPORT

May 2024

**Town of Bay Harbor Islands**

**9665 Bay Harbor Terrace Bay Harbor Islands, Florida 33154**

**Miami-Dade County, FL**

**Broad Causeway Bridge**

**From Broad Causeway Island to West Broadview Drive**

**Miami-Dade County, Florida**

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



*Prepared for:*  
Town of Bay Harbor Islands

*Prepared by:*  
AtkinsRéalis



## EXECUTIVE SUMMARY

This Contamination Screening Evaluation Report (CSER) was prepared in support of the Broad Causeway Bridge Replacement Project Development and Environment (PD&E) Study. A summary of the process of site evaluation and the findings contained in this report are presented in this section.

The Town of Bay Harbor Islands is conducting a PD&E Study, which includes the evaluation of potentially contaminated sites along the Broad Causeway Bridge corridor in Miami-Dade County, Florida. A portion of the PD&E Study is to provide documented environmental and engineering analyses to assist the Town in reaching a decision on potentially contaminated sites associated with future improvements to the Broad Causeway Bridge. It should be noted that the project limits do not include SR 922, as the entire project limits are owned by the Town of Bay Harbor Islands.

In accordance with the Florida Department of Transportation (FDOT) policy and the Federal Highway Administration (FHWA) requirements, a contamination screening evaluation has been performed to evaluate potential impacts from contaminated sites to the project. This CSER has been prepared pursuant to the FHWA's Technical Advisory T 6640.8A and the FDOT's PD&E Manual, Part 2, Chapter 20. Risk rankings were assigned after reviewing data obtained from on-site reviews of the parcels, a review of historical land use, hazardous/petroleum site lists, and other data.

All sites along or in proximity to the corridor were evaluated through review of historical resources such as aerial photographs, regulatory sources at the Federal, State, and local levels, and site reviews. Potential sources of contamination were identified. The contamination screening evaluation has resulted in a "High" ranking for one site, a "Medium" ranking for one site, a "Low" ranking for two sites, and a "No" ranking for three sites.



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## ACRONYMS AND ABBREVIATIONS

<b>A</b>	<b>ACMs</b>	Asbestos Containing Materials
	<b>ADA</b>	Americans with Disabilities Act
<b>B</b>	<b>BRWNFLDS</b>	State Designated Brownfield Areas
<b>C</b>	<b>CERCLIS</b>	Comprehensive Environmental Response, Compensation, and Liability Information List
	<b>CORRACTS</b>	RCRIS Handlers with Corrective Actions
	<b>CSER</b>	Contamination Screening Evaluation Report
<b>D</b>	<b>DERM</b>	Miami-Dade Division of Environmental Resource Management
<b>E</b>	<b>ECHO</b>	Enforcement and Compliance History
	<b>EDM</b>	Environmental Data Management
	<b>EPA</b>	United States Environmental Protection Agency
	<b>ERNS</b>	Emergency Response Notification System
<b>F</b>	<b>FDEP</b>	Florida Department of Environmental Protection
	<b>FDOT</b>	Florida Department of Transportation
	<b>FHWA</b>	Federal Highway Administration
	<b>FRS</b>	Facility Registration System
<b>I</b>	<b>ID</b>	Identification
<b>L</b>	<b>LUST</b>	Leaking Underground Storage Tanks
<b>M</b>	<b>MBC</b>	Metal Based Coatings
<b>N</b>	<b>N</b>	North
	<b>NEPA</b>	National Environmental Policy Act
	<b>NFRAP</b>	No Further Remedial Action Planned
	<b>NPDES</b>	National Pollutant Discharge Information System
	<b>NPL</b>	National Priorities List
<b>O</b>	<b>OSHA</b>	United States Occupational Safety and Health Administration
<b>P</b>	<b>PAHs</b>	Polynuclear Aromatic Hydrocarbons
	<b>PCS</b>	Permit Compliance System
	<b>PCBs</b>	Polychlorinated Biphenyls



	<b>PD&amp;E</b>	Project Development and Environment
<b>R</b>	<b>RAP</b>	Remedial Action Plan
	<b>RCRA</b>	Resource Conservation and Recovery Act
	<b>RMO II</b>	Risk Management Option II
<b>S</b>	<b>SLDWST</b>	Solid Waste
	<b>STNPL</b>	State Funded Action Sites
	<b>SR</b>	State Road
<b>T</b>	<b>TANKS</b>	Storage Tanks Report
	<b>TCLP</b>	Toxicity Characteristic Leaching Procedure
<b>U</b>	<b>USCG</b>	United States Coast Guard
	<b>USDA</b>	United States Department of Agriculture
	<b>USGS</b>	United States Geological Survey
	<b>UST</b>	Underground Storage Tank
<b>W</b>	<b>W</b>	West



## 1.0 INTRODUCTION

The Town of Bay Harbor Islands is conducting a Project Development and Environment (PD&E) Study to address the structural and functional deficiencies of the existing Broad Causeway Bridge. The feasibility of continued rehabilitation and repair versus replacement of the bridge. Bridge concepts will include provisions for new pedestrian and bicycle accommodations to comply with Americans with Disabilities Act (ADA) requirements and guardrails for the safety of pedestrians. The project location map (**Figure 11**) illustrates the location and limits of the PD&E Study.

### 1.1 Purpose and Need

The purpose of this project is to address the structural and functional deficiencies of the existing Broad Causeway Bridge. The need for the project is to improve bridge deficiencies because the 71-year-old bridge is functionally obsolete and contains fracture critical components; improve safety since there have been several vehicular crashes in the project corridor, many involving bicycles and pedestrians that resulted in injuries, improve flow of traffic along project corridor which has high traffic volumes and frequent bridge openings; and to maintain emergency evacuation.



Figure 11 Project Location Map





## 2.0 PROJECT DESCRIPTION

The project involves the potential replacement of the Broad Causeway Bridge connecting the Town of Bay Harbor Islands (Town) with the City of North Miami, within Miami-Dade County. The Project Location Map is shown in Figure 1-1. The bridge is part of the Broad Causeway, a roadway classified as "Urban Minor Arterial". This arterial also begins in Bal Harbour/Surfside and connects those commuters to the mainland. The limits of the project extend from the Broad Causeway Island (25°53'19.41"N, 80° 8'54.52"W) on the west side (25°53'11.30"N, 80° 8'18.93"W) to east of West Broadview Drive. The improvements include the bridge approaches and Broad Causeway Island circulation. The Florida Department of Transportation (FDOT) Bridge Identification (ID) Number (No.) is 875101. A graphic depicting the location of the bridge is provided as an attachment. The project is approximately 0.77 miles in length.

The existing bascule bridge consists of four lanes, undivided (two lanes in each direction). The four travel lanes are 10 ft. wide, without a raised median. The outside travel lanes also include shared-use markings to accommodate bicycles. In addition, pedestrians are accommodated with a raised maintenance area on each side of the bridge, with a width that varies from 22 to 36 inches (in.). There are no guardrails separating the raised maintenance area from the travel lane. Crossing over the Intracoastal Waterway (ICWW), the bridge has a horizontal clearance of 79.7 ft., a maximum vertical clearance of 18.0 ft. at Mean Low Water (MLW) and a minimum vertical clearance of 15.7 ft. at Mean High Water (MHW) at the Bascule crossing. The ICWW at the bridge crossings is deemed a navigable waterway by the United States Coast Guard (USCG). The bridge bascule is required by the USCG to open twice per hour on the quarter and three-quarter hour but only opens if vessels are waiting.

Existing right-of-way (ROW), owned by the Town, is anticipated to accommodate the replacement bridge and approaches. Included in the Town Charter by the 1953 Senate Bill No. 865, the State of Florida surrendered and granted to the Town any claim or control over all tidewaters and other lands, and all bayous and bay bottoms, beaches, waters, waterways and water bottoms, and all riparian rights within and adjacent to the Town limits for municipal purposes only, a strip of 300 ft. wide from Kane Concourse (SR 922), westwardly across Biscayne Bay to approximately 123<sup>rd</sup> Street in the City of North Miami. This 300 ft. wide strip is shown in the attached map as a bright yellow highlight. Therefore, the replacement bridge will be built within the 300 ft. strip over Biscayne Bay under claim or control by the Town.



## 3.0 PROJECT ALTERNATIVES

The objective of the alternative analysis process is to develop, evaluate, and eliminate potential project alternatives based on the purpose and need, engineering and environmental analyses, public input, cost, and safety for the project. The process will result in the selection of a Preferred Alternative which can be advanced to the design phase. This section summarizes the viable alternatives evaluated in the PD&E Study.

### 3.1 No Build (Repair) Alternative

The No Build alternative assumes the Town of Bay Harbor Islands would keep the existing bridge and not construct a new bridge. The existing conditions would be maintained within the projects limits and there would not be any direct impacts to the physical, natural, cultural, and social environments. Continuous maintenance and repairs would be performed to make the bridge safe to use. The future lifespan would only be 15 to 25 years. Substandard roadway lane widths and pedestrian accommodations would remain. Although this alternative does not meet the purpose and need for this project, it will remain under consideration and serve as a baseline for comparison against the other alternatives throughout the PD&E Study and Environmental Assessment (EA).

#### **Proposed Bridge Replacement Alternatives**

The proposed build alternatives include a 4-lane divided roadway with two, 11 ft. lanes in each direction separated by 4 ft. inside shoulders and a 2 – 2.5 ft. concrete barrier wall. The outside shoulders are 8 ft. wide, adjacent to concrete barrier walls. A 14 ft. shared use path along the north side of the new bridge accommodates pedestrians and bicycles with a 1.5 ft. barrier wall to safely separate travel lanes and the path. The new alignment will be located to the south of the existing bridge, allowing for traffic to be maintained along the existing bridge while the proposed bridge is constructed. Demolition of the existing bridge would be phased, so that traffic would be maintained within the existing corridor for most of the construction duration and progressively transferred from the existing bridge to the new bridge. (The proposed bridge alternative alignments are shown in **Figure 3-1** and **Figure 3-2**).

#### *3.1.1 Alternative 1 – High-Level Fixed Bridge*

The High-Level Fixed Bridge Alternative would replace the existing movable bridge with a fixed structure featuring a vertical navigational clearance of 65 ft. to allow the waterway user safe passage under the bridge. The new fixed bridge includes widened lane widths and shoulders, and a shared use path for pedestrians and bicyclists that meet current standards. Alternative 1 has steeper roadway and shared use path slopes than the existing conditions, and more visual impacts to businesses and residents.



### *3.1.2 Alternative 2 – Mid-Level Movable Bridge*

The Mid-Level Movable Bridge Alternative would replace the existing bridge with a mid-level movable bridge with a vertical navigational clearance of 40 ft. Using the 2022 bridge tender logs which did not record vessel heights but did provide boat type, the PD&E team was able to quantify the types of boats that are generally taller than 40 ft. and create an assumption of height/vessel based on the tender logs. While higher than the minimum USCG clearance, by using this method of estimation, the 40 ft. mid-level movable alternative bridge would allow approximately 70 to 80 percent of the waterway users that currently require the existing bridge to open, passage without the need to open the bridge. The new movable bridge includes widened lane widths and shoulders, and a shared use path for pedestrians and bicyclists that meet current standards. Alternative 2 has a higher impact on essential fish habitat, seagrasses, and sovereign submerged lands due to the wider bridge footprint. The movable bridge footprint is wider because there are larger bascule piers that enclose the mechanical elements. Also, the bridge requires maintenance walkways to service the movable bridge components.



Figure 3-1 Alternative 1 – High Level Fixed Bridge

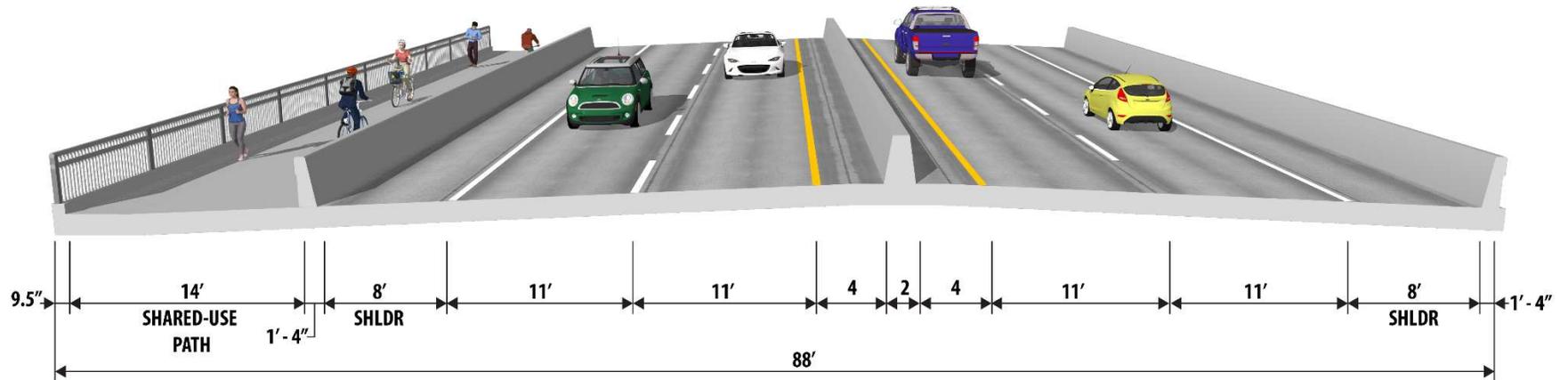
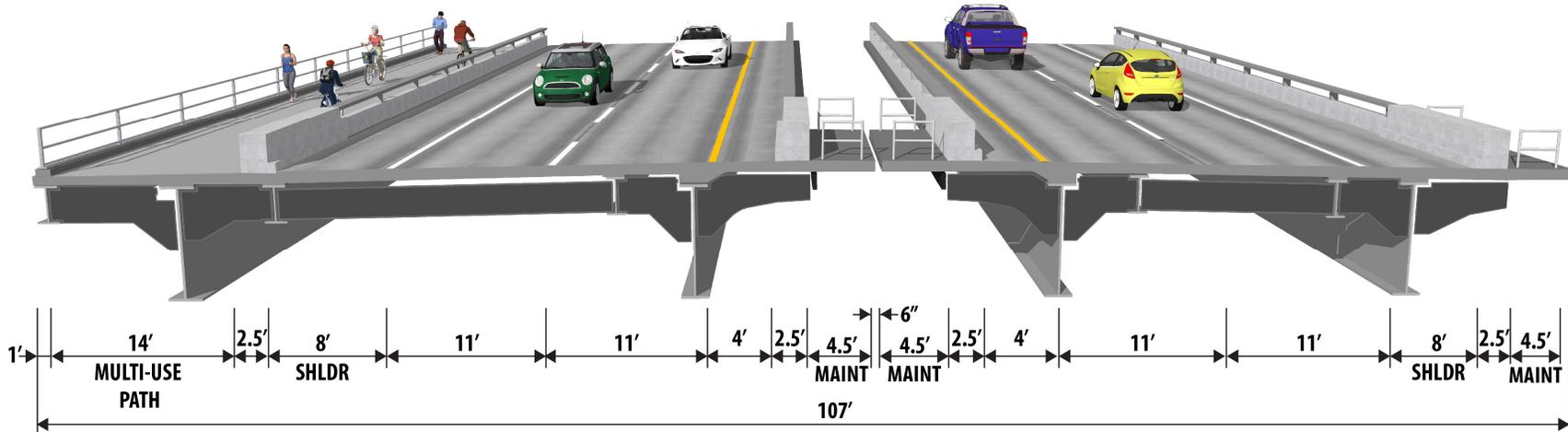




Figure 3-2 Alternative 2 – Mid-Level Movable Bridge





### 3.2 Impact of Alternatives on Potential Contamination Sites

The differences between the alternatives evaluated for the proposed Broad Causeway Bridge corridor are essentially negligible when considering their impact on potential contamination sites. Following are some of the reasons for these negligible differences:

- The alternatives would not result in different impacts to the “Low” and “No” rated sites.
- All of the build alternatives would impact on Site 4, Sunshine #8 gas station, and its rating would remain “High”.
- All of the build alternatives would entail removal of the existing bridge, so that the rating of Site 5 would remain “Medium” under all of these alternatives.

For all of the build alternatives evaluated, the contamination screening has resulted in a “High” ranking for one site, a “Medium” ranking for one site, a “Low” ranking for two sites, and a “No” ranking for three sites.



## 4.0 METHODOLOGY

### 4.1 Site Reconnaissance

A site visit at each potentially contaminated site within the project corridor was conducted on January 30 and 31, 2023. Detailed site visit descriptions are provided in **Section 8.2**. A systematic review of each non-residential site included examination for apparent changes to the ground surface, ground staining, standing liquids, odors, ventilation pipes, fill caps, drums, pump islands, containers, and other signs of potential contamination. An aerial photograph depicting the locations of the potentially contaminated sites is included in **Appendix A**. Photographs from the site reconnaissance are provided in **Appendix B**.

A field inspection of the corridor confirmed the existence of a Chevron gas station (Sunshine #08) on the island between the bridge roadways. The field inspection also identified that the bridge contained an active tender house and bascule. The area identified in the regulatory review as a hurricane debris area was found to be a fenced, vacant lot. The remaining sites were identified primarily by the regulatory database review (see below), but their locations were also noted in the field review.

During the site reconnaissance, AtkinsRéalis noted that buried utilities, such as water lines, sewer lines, and phone/cable lines, generally appeared to be provided to the vast majority of the project corridor. Some of these utilities were present in the right-of-way along SR 922 leading to the bridge, except at the bridge and its immediate area (although water mains do traverse the bridge area).

### 4.2 Regulatory Review

A regulatory review (records search) of federal and state environmental records was conducted in October and November 2022, and March to August 2023. The records reviewed included information compiled by the United States Environmental Protection Agency (EPA), the Florida Department of Environmental Protection (FDEP), and various local regulatory agencies, if such information was available. Environmental Data Management (EDM) Inc. of Largo, Florida conducted a database search of potential hazardous material and petroleum sites within the Broad Causeway Bridge corridor. A copy of this report is included in **Appendix C**. The following EPA and State database listings, among others, were reviewed:

- The National Priorities (Superfund) List (NPL) is EPA's list of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program. To be included on the NPL, a site must either meet or surpass a predetermined hazard ranking systems score, be chosen as a state's top priority site, or meet all three of the following criteria: (1) the U.S. Department of Health and Human Services issues a health advisory recommending that people be removed from the site to avoid exposure; (2) EPA



determines that the site represents a significant threat; and (3) EPA determines that remedial action is more cost-effective than removal action.

- The RCRIS Handlers with Corrective Actions (CORRACTS) list represents EPA's compilation of properties or sites which the EPA has investigated, reviewed, or been made aware of and that have had corrective actions implemented; it indicates the EPA Program Office that may have files on a site or facility.
- The Comprehensive Environmental Response, Compensation, and Liability Information List (CERCLIS) is the EPA's compilation of the sites for which EPA has investigated or is investigating a release or threatened release of hazardous substances. These sites may be subject to review in accordance with the terms and conditions of the Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund Act).
- The No Further Remedial Action Planned List (NFRAP) identifies facilities and/or locations that were previously listed in the USEPA CERCLIS database but have since been assessed and designated as requiring no further remedial action.
- The Emergency Response Notification System List (ERNS) is used to store information on the notification of oil discharges and hazardous substance releases.
- The Resource Conservation and Recovery Information System Lists (NONTSD and TSD) identify and track hazardous waste from the point of generation to the point of disposal. The EPA's NONTSD and TSD Databases contain reporting facilities that generate, store, treat, or dispose of hazardous waste.
- The State Funded Action Sites List (STNPL) contains facilities and/or locations that have been identified by FDEP as having known environmental contamination and are currently being addressed through State funded cleanup action.
- The Solid Waste Facilities List (SLDWST) identifies locations that have been permitted to conduct solid waste landfilling activities or other waste handling activities such as those conducted at transfer stations.
- The Leaking Underground Storage Tank List (LUST) identifies facilities and/or locations that have notified FDEP of a possible release of contaminants from petroleum storage systems.
- The Storage Tanks Report (TANKS) identifies those facilities or locations that have registered aboveground storage tanks (ASTs) or USTs pursuant to the notification requirements found in applicable chapters of the Florida Administrative Codes.
- The State Designated Brownfield Areas (BRWNFLDS) identifies State brownfields areas, which are typically abandoned, idled, or underused industrial or commercial facilities, where redevelopment is complicated by real or perceived environmental contamination.



The EDM Report identified 19 sites within the greater project vicinity. However, only six (6) of these sites were located within the search radii (buffer) required by Part 2, Chapter 20 of the FDOT PD&E Manual. These six sites were investigated further, as is discussed below. The remaining thirteen (13) sites were not considered to have the potential to impact the project, and they are not discussed further in this report.

Of the six potential contamination sites retained for further review, files for sites identified in the TANKS and LUST databases were further reviewed by accessing on-line information available from the FDEP Oculus internet site. The internet resources included the FDEP Storage Tank/Contaminated Facility Search database (MAP ID #1). National Pollutant Discharge Elimination System (NPDES) sites (MAP ID#2 and MAP ID#4) were reviewed in the FDEP Oculus NPDES Storm Water database. Files for the Solid Waste site (MAP ID #8) were reviewed in the FDEP Oculus Solid Waste database. The information on the Emergency Response Notification System (ERNS) sites (MAP ID#3 and MAP ID#5) was obtained from the EDM Report. Pertinent files reviewed from FDEP and Miami-Dade County sources are contained in **Appendix D**. (*Note that the MAP ID numbers are not the same as the Site numbers provided in **Section 8.2** since CSER protocol is to list sites from west to east*).

AtkinsRéalis also reviewed the FDEP list of Cattle Dip Vat sites in Miami-Dade County. No Cattle Dip Vat Sites were noted in the project study area.

A total of six potential contamination sites (listed above) were identified for further review along Broad Causeway Bridge in the EDM database. One additional site (Site #5 – Broad Causeway Bridge) was identified during the site reconnaissance, for a total of seven potential contamination sites.

### 4.3 Aerial Photograph Review

The Broad Causeway Bridge roadway corridor in the study area is located in Sections 27 and 28, Township 52 South, Range 24 East. A review of available aerial photographs for the study area was conducted in October 2022 using aerial photographs provided in the EDM Historical Aerial Photograph Report from various sources (listed in the report). The aerial photographs for 1951, 1968, 1978, 1985, 1998, 2006, 2013, and 2022 covered the project corridor. The aerial photographs are provided in **Appendix E**.

The review of the aerial photographs included searching for visual evidence of land use that may indicate a potential for adverse environmental impacts along the corridor. A summary of observations and interpretations made from the aerial photographs is found in **Section 5.2.1**.

### 4.4 Historical Directory Review

The R. L. Polk City Directories for West Broadview Drive (1970 and 1975) and 96<sup>th</sup> Street/Kane Concourse (1955, 1958, 1961, 1966, 1971, and 1976), Bay Harbor Islands, Florida were reviewed



for all sites. No city directory information was available after 1976. The directories provided historical business names and addresses for sites in or near the corridor. A summary of observations and interpretations made from the city directories is found in **Section 5.2.2**. The city directories are provided in **Appendix F**.



## 5.0 LAND USES

### 5.1 Existing and Future Land Use

The project bridge carries Broad Causeway over Biscayne Bay and the Intracoastal Waterway to connect the City of North Miami on the west with the Town of Bay Harbor Island, Village of Bal Harbour, and Town of Surfside on the east, linking the beach communities with US 1 and I-95 to the west. The project traverses the Town of Bay Harbor Islands, a U.S. Census Designated Place in northern Miami-Dade County. The Town consists of two islands: West Island and the East Island. The West Island contains exclusively single-family residential, and the East Island contains a business/commercial district and multi-family residential housing with some public/institutional uses. The existing land use for the project corridor primarily consists of infrastructure and commercial (service station) on the causeway island, identified as the Causeway District on the Town's zoning map, and single family residential and parks and recreation land uses on the West Island (see **Figure 5-1**). According to the Town of Bay Harbor Islands Future Land Use Map, the project corridor will continue to support the noted land uses at existing densities (see **Figure 5-2**).

### 5.2 Historical Land Uses

#### 5.2.1 Historical Aerial Photograph Review

Historical land use observations are based in part on a review of historic Miami-Dade County aerial photographs of the corridor from the years 1951, 1968, 1978, 1985, 1998, 2006, 2013, and 2022. The aerial photograph review provided a history of corridor land uses and, most importantly, visual evidence of land use that may indicate a potential for adverse environmental impacts along the corridor. The aerial photographs provided in the EDM Historical Aerial Photo Report (**Appendix E**) available for review are summarized below:

#### 1951

The Broad Causeway Bridge (including tender house) and associated roadway are present. It appears that the western side of the bridge (piers) are still under construction. There is also a large man-made island/causeway west of the bridge and a relief bridge at the west end of the island. The island is largely vacant. The west side of the project (123<sup>rd</sup> Street Northeast) is largely vacant land that has been cleared. The east side of the project (along 96<sup>th</sup> Street) has some residential areas, but no apparent commercial areas.

#### 1968

Toll plazas (with an associated structure) and an apparent gas station facility are present on the east side of the island. Planted trees are growing along the edges of the island. Development of residential and commercial structures has occurred along 123<sup>rd</sup> Street North. Residential



development has largely filled in the east side of the project (96<sup>th</sup> Street/Kane Concourse), with commercial businesses further to the east.

Figure 5-1 Existing Land Use

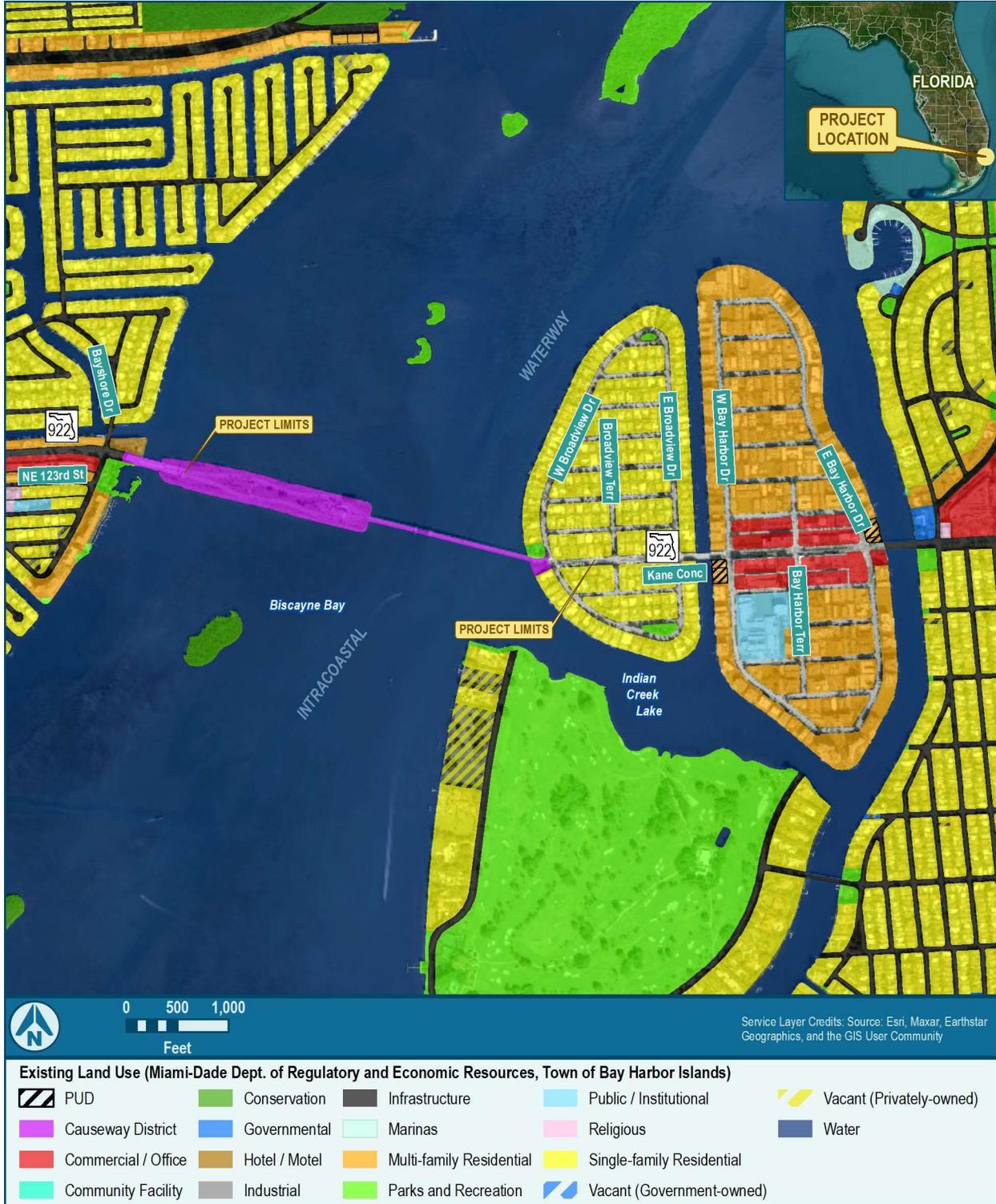


Figure 5-2 Future Land Use





1978

The project area appears similar to the 1968 aerial photos. Commercial and residential areas have filled in along 123<sup>rd</sup> Street Northeast. The relief bridge has been widened to four lanes.

1985

The general project corridor appears essentially the same as the 1978 aerial photo.

1998

By 1998, the configuration of the island/causeway has been changed. The toll plaza has been moved to the east side of the island. The roadway has been separated into a two-lane eastbound and two-lane westbound alignment, with a large grassy median in between. 123<sup>rd</sup> Street Northeast and 96<sup>th</sup> Street/Kane Concourse also appear to have been widened.

2006, 2013, and 2022

The general project corridor appears essentially the same as in 1998.

Specific interpretations of aerial photographs for each potential contamination site are provided **Section 8.2**.

### *5.2.2 Historical Directory Review*

The R. L. Polk City Directories for West Broadview Drive (1970 and 1975) and 96<sup>th</sup> Street/Kane Concourse (1955, 1958, 1961, 1966, 1971, and 1976), Bay Harbor Islands were reviewed using the EDM City Directory Imagery Reports (**Appendix E**). The directories provided names, addresses, and types of occupants for sites near or within the corridor.

No commercial business listings were located in the project corridor. All listings for West Broadview Drive and 96<sup>th</sup> Street/Kane Concourse in the study area were residential.



## 6.0 HYDROLOGIC FEATURES

### 6.1 Regional Geology

The following information was compiled from the book *A Geological Overview of Florida*, by Thomas Scott and published in 1990 by the Florida Geological Survey:

The vast majority of southeast Florida lies within the Miami Limestone (Oolite) formation. The Miami Limestone is a sub-tidal marine deposit comprised of oolitic facies (well-sorted ooids, skeletal materials, and quartz sand) and bryozoan facies (fine-grained and peletal limestone with skeletal materials). The Miami Limestone lies over a layer of sandy and shelly sediments of Plio-Pleistocene age, followed by the Fort Thompson Formation (shelly siliciclastic sediments and siliciclastic-bearing carbonates of Pliocene age), followed by the Hawthorn Group (a Miocene age group composed of unconsolidated beds of fine sand, shells, and interbedded calcareous, silty clays). The Hawthorn is underlain by a thick (greater than 1,000 feet) sequence of Eocene-age limestone called, in ascending order, the Lake City, the Avon Park, and the Ocala Group.

There are two distinct hydrogeologic units in southeast Florida. The Biscayne aquifer is contained within the Miami Limestone (Oolite) and the Anastasia formation. The Biscayne aquifer is in direct hydraulic connection with streams, canals, and other natural and manmade surface water bodies, and it provides drinking water to the populations in Miami-Dade, Broward, Palm Beach, and Monroe Counties. The Floridan aquifer is a highly productive system underlying all of Florida. It is contained within the Lake City, Avon Park, and Ocala Group units.

Depth to the water table can be variable throughout the study area, but it is likely very shallow (i.e., less than 5 feet below surface). The depth to groundwater essentially correlates to the depth of fill used to create the island/causeway and the height of the bridge embankments.

### 6.2 Regional Topography

The United States Geological Survey (USGS) maps (1947, 1950, 1962, 1969, 1972, 1988, and 1994) of North Miami, Florida were reviewed. Topographic maps are in **Appendix C**. The maps indicated that topographic elevations in the area of the corridor are extremely flat and generally range from sea level to 5 feet above sea level for most of the corridor. Elevations up to 9 feet above sea level are present at the bridge embankments. The project area is characterized by flat, low-relief coastal islands and former wetlands.

Review of the USGS topographic map confirmed the following observations from the historical aerial photograph review: 1) maps from 1947 and 1950 show a small island in Biscayne Bay, but no bridges, with residential streets to the east and wetlands to the west, 2) maps from 1962 through 1988 show the bridge facilities (toll plaza on east side), island/causeway, and urban



development on both sides of Biscayne Bay, and 3) the 1994 map shows essentially the same features as in 1988 except that the roadway is widened and includes a median.

### 6.3 Surface Water

The proposed project crosses one major natural water body, Biscayne Bay, which is part of the Atlantic Intracoastal Waterway. Other nearby surface water bodies include Indian Creek Lake and man-made canals that extend from Biscayne Bay and Indian Creek Lake into the urban areas.

### 6.4 Geotechnical Data

The U.S. Department of Agriculture (USDA) Natural Resources Conservation Service, Custom Soil Resource Report for Miami-Dade County Area, Florida, soils classification map, developed from the USDA website, indicates that the soil types in the study corridor include the two following general soil map associations (or units): Udorthents-Water-Urban Land complex and Urban Land. The report notes that these soil units are surrounded by water in the study area.

The Udorthents-Water-Urban Land unit (Soil Unit #9) is found on the island/causeway and the bridge embankments in the study area. It occurs on 0 – 60 % slopes on marine terraces. It is gravelly-loamy human-transported material, then leveled and smoothed, mainly to create artificial islands/causeways. It is typically well drained. The water table is at a depth of about 60 to 72 inches.

The Urban Lands unit (Soil Unit #15) is found in the urban areas on either side of Biscayne Bay in the study area. It occurs on 0 – 2 % slopes on marine terraces. It has no specific parent material and depends on the source of fill, which is then leveled and smoothed, mainly for urban use. Its drainage characteristics and depth to water are dependent on the type and thickness of fill.



## 7.0 INTERVIEWS

AtkinsRéalis interviewed (via email) two individuals with knowledge of previous operations and rehabilitation of the Broad Causeway Bridge and its bascule facilities. Jose Custudio PE, Water Area Practice Leader, WSP, indicated that a Bridge Rehabilitation Project was completed around 2015-2016. During that time, the bridge was completely painted (both the fixed concrete portion and the bascule portion). It is likely that some paint testing for metals-based paints was conducted at that time. However, no reports were made available. Mr. Custudio spoke with the Operations Manager, but the Operations Manager was not aware if any asbestos, metals-based paints, or polychlorinated biphenyls (PCB) studies were conducted at that time.

Mr. Custudio contacted Mrs. Yusnielkis Palacio, Administrative AP and Utilities Coordinator, of the Town of Bay Harbor Islands. Mrs. Palacio, in turn, contacted Randy Daniel, the previous Town Engineer of the Town of Bay Harbor Islands, currently working for the City of Margate, Florida. No further information was made available.

On February 8, 2023, a phone call meeting was held with AtkinsRéalis that included a representative of the Miami-Dade Division of Environmental Resource Management (DERM) (Sergio Lantana) and a representative of the Town (Rodney Carrero-Santana) regarding future activities at Site No. 4 (Sunshine #8 gas station). It was determined during the meeting that DERM would continue to manage and fund site assessment activities (installation and sampling of soil borings and groundwater wells). Based on the findings of the groundwater investigations, remediation of the groundwater may be implemented. It was determined that the site qualified for Risk Management Option II (RMO II) according the FDEP cleanup guideline. This status allows for the existing soil contamination to remain in place, provided that the soil is protected by institutional or engineering controls.



## 8.0 PROJECT IMPACTS

### 8.1 Rating System

Findings developed through historical and regulatory searches, inspections of individual parcels, and research conducted by the assessment team are summarized in this section.

Sites were ranked in accordance with Part 2, Chapter 20 of the PD&E Manual, summarized below:

- **None** - A review of available information on the property and a review of the conceptual or design plans indicates there is no potential contamination impact to the project. It is possible that contaminants had been handled on the property. However, findings from the contamination screening evaluation or sampling and testing results indicate that contamination impacts are not expected.
- **Low** - A review of available information indicates that former or current activities on the property have an ongoing contamination issue, has a hazardous waste generator identification (ID) number, or handles hazardous materials in some capacity. However, based on the review of conceptual or design plans and findings from the contamination screening evaluation or sampling and testing results, it is not likely that there would be any contamination impacts to the project.
- **Medium** - After a review of conceptual or design plans and findings from contamination screening evaluation or sampling and testing results, a potential contamination impact to the project has been identified. The findings from the contamination screening evaluation may indicate known soil and/or groundwater contamination that may not require remediation, is currently being remediated, or is currently in the monitoring only phase. The complete status of remediation is important to determine what must be done if the property is to be acquired. If there is insufficient reliable information (such as regulatory records or site historical documents) to make a determination as to the potential for contamination impact, and there is reasonable suspicion that contamination may exist, the property should be rated at least as a "Medium".
- **High** - After a review of all available information and conceptual or design plans, there is a reasonable potential for contamination impacts during construction. Once the project alternative has been selected, sites rated with high risk for potential contamination impact require further assessment to confirm and delineate potential contaminants and to determine if remediation or modified special procedure will be needed during construction.

The contamination screening evaluation has resulted in a High ranking for one site, a Medium ranking for one site, a Low ranking for two sites, and a No risk ranking for three sites. **Table 8-1** presents the risk rankings assigned to each site as a result of the contamination screening. **Figure**



**8-1** shows the location of the sites along the corridor. **Appendix A** shows the locations of the sites on an aerial photograph of the project corridor.



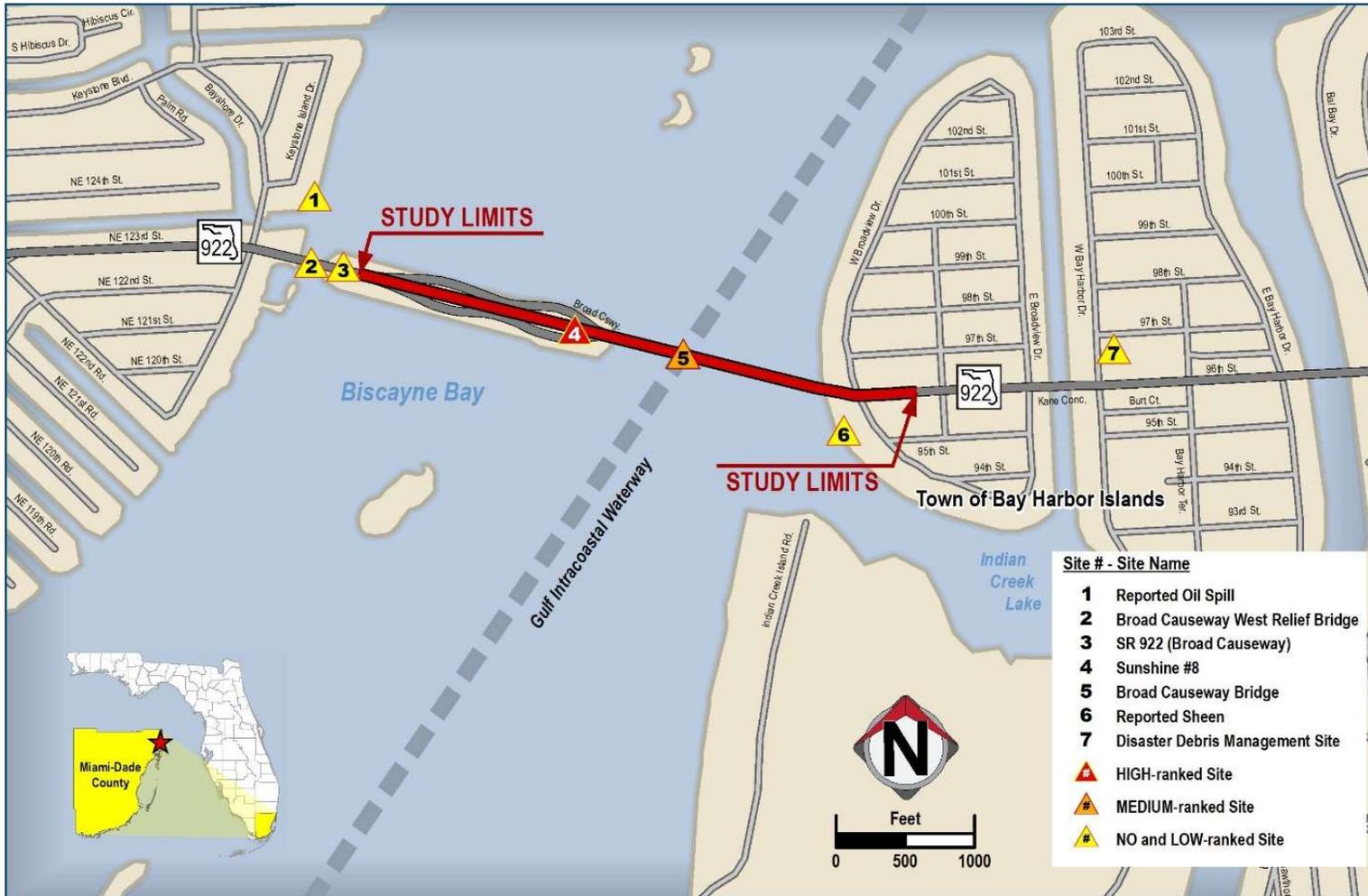
**Table 8-1 Contamination Risk Rankings of Potentially Contaminated Sites**

<i>Site No.</i>	<i>Facility ID No.</i>	<i>Site Name and Location</i>	<i>Regulatory Status</i>	<i>Potential Contamination Source</i>	<i>Distance from ROW</i>	<i>Risk Ranking</i>
1	449438 (ERNS)	Reported Oil Spill 12405 Keystone Island Drive, North Miami	Closea	Petroleum	600 feet northwest	Low
2	FLR10AJ00 (NPDES)	Broad Causeway West Relief Bridge NE 123 Street, North Miami	Closea	None	100 feet west	No
3	FLR10NG63 (NPDES)	SR 922 (Broad Causeway), Bay Harbor Islands	Closed	None	Adjacent to ROW	No
4	8503822 (FDEP)	Sunshine #8 1501 Broad Causeway Bay Harbor Islands	Active (DERM)	Petroleum	Within ROW	High
5	None	Broad Causeway Bridge Bay Harbor Islands	N/A	Metals based coatings, PCBs	Within ROW	Medium
6	1240172 (ERNS)	Reported Sheen, 9510 West Broadview Drive Bay Harbor Islands	Closed	Petroleum	300 feet southeast	Low
7	105012 (FDEP Solid Waste)	Disaster Debris Management Site, South of 97 <sup>th</sup> Street and West of West Bay Harbor Drive, Bay Harbor Islands	Closea	Contaminants from debris	1,000 feet east	No

DERM = Miami-Dade Division of Environmental Resources Management  
 ERNS = Emergency Response Notification System  
 FDEP = Florida Department of Environmental Protection  
 N/A = Not Applicable  
 NPDES = National Pollutant Discharge Elimination System  
 PCBs = Polychlorinated Biphenyls  
 ROW = Right of Way



Figure 8-1 Potential Contamination Sites



**Broad Causeway Bridge Replacement PD&E Study**  
 Town of Bay Harbor Islands  
 Miami - Dade County, Florida  
 FPID: 452428-1-21-01

Figure 8-1: Potential Contamination Sites



## 8.2 Specific Site Information

Sites are numbered based on their location within the corridor, with the lowest numbers in the west and highest numbers in the east.

### 8.2.1 Site 1 – Reported Oil Spill

**12405 Keystone Island Drive, North Miami**

**ERNS ID 449438**

Aerial photography depicts the location of Site 1 on the aerial plot provided in **Appendix A**.

#### 8.2.1.1 Historical Land Use Summary

Historical aerial photographs indicate the site consisted of a residential home adjacent to Biscayne Bay from at least 1968 to the present day. The site was not listed in the city directories.

#### 8.2.1.2 Observations and Findings

This site is listed in the EDM report as the location of a spill of “black oil”. The only location information provided was “Biscayne Bay” and “Sea Wall Behind the Residence at 12405 Keystone Island Drive”. A site reconnaissance was conducted at the residence, but personnel were unable to access the rear (Bay side) of the residence. The quantity, source, and cause of the spill were not known. The spill appearance was reported as “Rainbow Color with Black Spots”. The size of the spill was estimated at 30 feet wide by one mile long.

This site was listed as an ERNS site (Incident ID # 449438). The ERNS incident report is from August 13, 1995. The media affected was listed as the water of Biscayne Bay. The report does not list the agency contacted, though it was likely the USCG or FDEP. The report indicated that there was no response action. No other information was provided in the EDM report.

During the field visit, the site was observed to be a waterfront residential home. Views of the bay side of the residence were observed from the Broad Causeway Bridge Island. There was no indication of any impacts from the above-noted spill in the water or on the island.

#### 8.2.1.3 Risk Ranking

This site is a reported oil spill from 1995 in Biscayne Bay. It appears no response action was taken and there was no subsequent information about the spill. Due to the date of the spill (1995), the lack of response, and the fact that the spill occurred in marine waters subject to tides and currents, it is unlikely to have created contamination that would linger within the project. Therefore, the contamination risk rating is **Low**.



### 8.2.2 Site 2 – Broad Causeway West Relief Bridge

#### NE 123<sup>rd</sup> Street, North Miami

#### NPDES Site FLR10AJ00

Aerial photography depicts the location of Site 2 on the aerial plot provided in **Appendix A**.

##### 8.2.2.1 Historical Land Use Summary

Historical aerial photographs indicate the site consisted of the Broad Causeway Relief Bridge over Biscayne Bay from at least 1951 to the present day. The bridge appears to have been widened from two lanes to four lanes between 1968 and 1978. The site was not listed in the city directories.

##### 8.2.2.2 Observations and Findings

This site is listed in the EDM Report in the Permit Compliance System (PCS), Facility Registration System (FRS), and the Enforcement and Compliance History (ECHO) databases due to the need for a Generic Permit for Stormwater Discharge from Large and Small Construction Activities. The permit was obtained to comply with the FDEP's NPDES requirements. The permit was active from May 2, 2005 to May 7, 2012 (termination date). According to the permit application submitted to FDEP, the project was for rehabilitation of the bridge, and is considered a "Small Construction Project". No permit violations or discharge sampling data were noted in the EDM Report or the FDEP files.

The Broad Causeway Relief Bridge was observed in the field on January 30, 2023. During the field visit, the site was observed to be a typical four-lane, steel-and-concrete bridge over a narrow portion of the bay. There was no indication of any contamination issues associated with the bridge rehabilitation, which had occurred more than 10 years prior.

##### 8.2.2.3 Risk Ranking

There is no indication of any contamination involvement from this site. Therefore, the risk ranking for this site is **No**.

### 8.2.3 Site 3 – SR 922 (Broad Causeway)

#### SR 922, North Miami

#### NPDES Site FLR10NG63

Aerial photography depicts the location of Site 3 on the aerial plot provided in **Appendix A**.

##### 8.2.3.1 Historical Land Use Summary

Historical aerial photographs indicate the site consisted of the Broad Causeway man-made island and roadway crossing Biscayne Bay from at least 1951 to the present day. The roadway on the island appears to have been widened from two lanes to four lanes between 1985 and 1998. The



toll plaza was also moved to the west side of the island by 1998. The site was not listed in the city directories.

#### *8.2.3.2 Observations and Findings*

This site is listed in the EDM Report in the FRS and ECHO databases due to the need for a Generic Permit for Stormwater Discharge from Large and Small Construction Activities. The permit was obtained to comply with the FDEP's NPDES requirements. The permit was active from December 9, 2013 to April 13, 2015 (termination date). According to the permit application submitted to FDEP, the project was for "the portion of roadway west of the Toll Plaza", and it was considered a "Small Construction Project". No permit violations or discharge sampling data were noted in the EDM Report or the FDEP files.

The west side of the Broad Causeway Island was observed in the field on January 30 and 31, 2023. During the field visit, the site was observed to be a typical four-lane roadway leading to a toll facility. The tolling facility is no longer a toll booth, but it is an overhead electronic sensor of the toll-by-plate or Sunpass type. There was no indication of any contamination issues associated with the roadway improvements, which had occurred approximately 8 years prior.

#### *8.2.3.3 Risk Ranking*

There is no indication of any contamination involvement from this site. Therefore, the risk ranking for this site is **No**.

### *8.2.4 Site 4 – Sunshine #8*

#### **1501 Broad Causeway**

##### **FDEP Site ID 8508322**

Aerial photography depicts the location of Site 4 on the aerial plot provided in **Appendix A**.

#### *8.2.4.1 Historical Land Use Summary*

Historical aerial photographs show the gas station facility was constructed on the Broad Causeway man-made island between 1951 and 1968. In 1968, the toll plaza was located immediately west of the gas station. While the gas station facility has appeared essentially the same from 1968 to the present day, the adjacent roadway was widened to four lanes between 1985 and 1998, with driveways to the gas station added at that time. The toll plaza was moved to the west side of the island by 1998. The site was not listed in the city directories.

#### *8.2.4.2 Observations and Findings*

During the site visit, the Chevron gas station was observed to be a two-story building, with overhead canopies on both the north and south sides. The building also contains a convenience store. Four USTs were observed on the north side of the gas station; formerly, there were three



USTs on the south side. Each UST has a cleanout manhole and a fill port. Two fuel dispensers were observed on the north side of the building and three fuel dispensers were observed on the south side. All of the fuel dispensers provide unleaded gasoline except for one on the south side that provides ethanol-free gasoline. The building contains four vehicle service bays for auto maintenance activities. Numerous monitoring wells were observed at the site, including near the USTs, near the fuel dispenser islands, and both north and south of the Broad Causeway Bridge divided roadways. Housekeeping at this site was adequate.

The gas station is known as Sunshine #8, with the primary EDM information referencing the LUST database and the TANKS database. The FDEP records indicate that three USTs were installed at the site in 1977 and were removed in 1994. Six USTs existed prior to the ones installed in 1977, but all were removed by 1979. The original 6 USTs at the site date from 1951. Three of these USTs were located on each side (north and south) and were refueled using two separate remote-fill concrete islands. This arrangement existed until 1979, when all USTs on the south side were removed; subsequently, all USTs were installed on the north side of the facility. The USTs that currently exist include four 10,000-gallon USTs for ethanol and gasoline. Three petroleum discharges have been reported to FDEP regarding this site on the following dates: June 26, 1989, November 2, 1990, and January 14, 1994. The site is participating in the State-funded Petroleum Liability and Restoration Insurance Program. The facility cleanup (eligibility) score for this site is 11.

Site assessment activities began at the site in 1989, including the installation of 18 soil borings and 2 temporary monitoring wells. Soil and groundwater contaminated by petroleum products was identified. This assessment was followed in 1990 by installation of 6 additional soil borings and 5 permanent monitoring wells. Site assessment activities continued, and by 1994 a total of 22 monitoring wells and more than 32 soil borings had been installed at the site. During the 1994 removal of the prior (1977) USTs, approximately 1,113 tons of excessively contaminated soil were removed for thermal disposal from the UST area. Free product from the excavation was also removed. Sampling of the monitoring wells indicated the presence of petroleum groundwater plume extending from south of the gas station to the seawall north of the gas station. In 1995, an Air Sparging and Soil Vapor Extraction system with groundwater recovery wells was proposed as part of a Remedial Action Plan (RAP). However, the RAP was not implemented due to the funding problems affecting the State-funded cleanup programs in 1995.

In 2019, the spill buckets were replaced at the site's dispensers. State-funded assessment activities were resumed at this site in 2020, which included sampling of 8 monitoring wells and recommendations for replacing 10 of the existing monitoring wells. In 2021, 6 monitoring wells were replaced, and additional soil samples were collected, resulting in a recommendation from DERM for additional soil and groundwater sampling. Thirteen additional soil samples and 2 additional monitoring wells were installed and sampled in 2022, along with sampling of the



existing wells. Soil sampling results indicated elevated concentrations of Polynuclear Aromatic Hydrocarbons (PAHs) and arsenic in the area just north of the on-site building. The groundwater flow direction was to the northwest, and the typical depth to groundwater was 3.5 to 5 feet below top of casing. The groundwater sampling results indicated the presence of a groundwater petroleum plume immediately northwest of the gas station building and another plume extending from northeast of the gas station building to the seawall north of the gas station. The July 2022 Interim Assessment Report recommended installation of 11 additional soil borings and 8 additional monitoring wells to delineate the soil and groundwater impacts at the site. In a September 6, 2022 letter, DERM agreed with the recommendations, but noted that the potential soil impacts extending underneath the building may not be accessible for sampling. Therefore, the site would not likely be approved for a full closure, but could obtain a No Further Action with Conditions (RMO II). In March 2023, DERM conducted an inspection of the monitoring wells existing at the site. All monitoring wells except for one were considered to be in adequate condition. In May 2023, DERM authorized additional soil borings and groundwater sampling.

Miami-Dade County conducts annual site inspections of the UST system at this facility. Data from the most recent site inspections indicate that the facility has repeatedly been indicated as “Major Out of Compliance.” An inspection on August 16, 2021, identified 7 violations of FDEP UST requirements, including lack of proper documentation, repairs that were needed, and failure to conduct proper testing of certain components. The violations were resolved in 2022. The project was inspected again on August 3, 2023, and was found to have multiple violations. The violations included missing required paperwork and evidence of repairs that needed to be made. The violations had not been resolved as of late August 2023.

#### *8.2.4.3 Risk Ranking*

Due to the reported soil and groundwater contamination at this site, there likely are remaining contamination impacts at this property. No remediation has been performed at this site to date. DERM is currently overseeing investigation of this site, with additional soil and groundwater sampling ongoing and planned for the near future. Petroleum groundwater plumes are currently located in the planned areas of roadway improvements, including installation of drainage structures. Therefore, the petroleum-contaminated groundwater may impact any dewatering activities in that area. Design of the bridge and helix structures were developed to avoid known contamination locations as to not exacerbate the existing plume. Due to the known groundwater contamination along the north side of the gas station and due to the proximity of this site to the Broad Causeway Bridge project, the risk ranking for this site is **High**. It is likely that dewatering will be needed both south and north of the service station, and it will likely require a FDEP dewatering permit for contaminated sites. Soil borings and temporary monitoring wells will be installed both north and south of the service station.



### 8.2.5 Site 5 – Broad Causeway Bridge

#### **Broad Causeway Bridge**

#### **FDOT Bridge #875101**

Aerial photography depicts the location of Site 5 on the aerial plot provided in **Appendix A**.

##### 8.2.5.1 *Historical Land Use Summary*

Historical aerial photographs indicate the site consisted of a bascule bridge under construction (with tender houses) in 1951. The bridge did not appear fully constructed in 1951, with the western piers still lacking the deck. The bridge is fully complete in 1968, with a toll booth facility and gas station to the west of the bridge. The bridge structure has appeared the same in all aerial photos from 1968 through 2022. By 1998, the approach roadway to the bridge had been modified to median-separated four lanes, and the toll plaza had been moved to west side of the causeway/island. No city directory information was available for this site.

##### 8.2.5.2 *Observations and Findings*

During the site visit, the bridge appeared as a steel-and-concrete structure, with the tender houses and bascule slightly to the west of the center span. The steel bascule was painted blue. The bridge tender houses on either side of the bascule appeared to be made of concrete.

The Broad Causeway bridge is FDOT bridge #875101. It was built in 1951 and is considered functionally obsolete. It is a “deck plate girder, moveable span, bascule bridge”, and it is 1,630 feet long and 47 feet wide. The vertical clearance under the bridge is 13.1 feet except at the open bascule. It carries a Minor Arterial Urban roadway (SR 922) over Biscayne Bay (and the Atlantic Intracoastal Waterway). The length of the largest span is 151 feet. The main span material is steel, with other features, such as piers and guardrails, constructed of concrete.

An inspection of the bridge in February 2022 by the FDOT determined that the bridge contained fracture critical components. The prior FDOT inspection of the bridge, provided by on-line sources, was in January 2018. At that time, it was considered in “Fair” condition, with a sufficiency rating of 47.1. The inspection resulted in a recommendation for rehabilitation because of general structure deterioration or inadequate strength. The estimated cost of such rehabilitation was \$10,000,000.

An asbestos survey was performed on the bridge from February 13, 2023 through February 16, 2023. The survey included all suspected Asbestos Containing Materials (ACMs) in the bridge and tender house components. Sixty-nine (69) asbestos samples were collected from 22 homogenous sampling areas, along with four Quality Assurance/Quality Control samples. All of the samples were negative for ACM content, indicating that no asbestos was detected in the bridge or tender house components. The Asbestos Survey is provided in **Appendix G**.



A Metals Based Coatings (MBC) survey was conducted at the same time as the ACM survey (February 15, 2023). Six paint chip samples were collected from painted locations on the bridge decking, from the tender houses, and from other painted surfaces. The samples were analyzed for cadmium, arsenic, lead, zinc, and chromium. The results indicated that the highest concentrations of any of the metals were arsenic at 2.6 milligrams per kilogram (mg/kg) and zinc at 12,000 mg/kg. While lead was detected in all samples, arsenic and zinc concentrations were reported at concentrations greater than their state guidelines. The MBC survey is also included in **Appendix G**.

Regarding the MBC survey, a case-by-case assessment of each construction activity should be conducted to determine which components should be abated prior to disturbance. The assessment should include an evaluation of the type of work that will be conducted (i.e., drilling, sawing, renovation/demolition, repainting, etc.), the concentration of the lead in the painted surface and the results of any available prior negative exposure air monitoring data. Contractors should follow the appropriate regulations when working with MBCs and avoid activities (sanding, torch cutting, grinding, abrading) which could produce lead fumes or respirable dust. The U.S. Occupational Safety and Health Administration (OSHA) regulations, Code of Federal Regulations 1926.62 (Construction Standard), applies to activities involving disturbance of coatings containing lead in any concentrations. The regulation governs worker exposure to lead paint concentrations in any amount.

Three samples for EPA RCRA Toxicity Characteristic Leaching Procedure (TCLP)-lead analysis were also collected. None of the TCLP samples had lead concentrations that exceeded EPA hazardous waste guidelines. However, the potential for generating hazardous waste also depends upon the specific methods used to remove the paint. Any waste containing paint coatings generated from work activities should be tested for hazardous waste determination as per the EPA RCRA TCLP. Waste with a TCLP result of greater than 5 parts per million of lead must be disposed of in a licensed hazardous waste disposal facility. The renovation/demolition contractor is ultimately responsible for determining whether removed waste coating materials may be disposed of as construction debris or must be treated and disposed of as hazardous waste.

The bridge and tender houses were also observed for potential PCB-containing components. The Florida Power & Light transformers associated with the bridge were reported to be non PCB-containing. The bascule machinery on both sides of the bridge were observed to have oil leaks, with extensive staining on the floors of the equipment bays. The leaks from this equipment (bascule machinery) at the tender house area may have PCB-containing oils or lubricants. There was no specific signage indicating if that equipment had PCBs or did not. Therefore, this equipment is considered potentially PCB-containing. The PCB report is included in **Appendix G**.



### 8.2.5.3 Risk Ranking

The bridge was tested for ACMs and MBCs. In addition, the bridge was observed for potential PCB-containing components. ACMs were not identified in the materials tested. However, based on the age of the bridge, ACMs and MBCs may be present in the faying surfaces (surfaces that are in contact at the joint) of splices and top flanges embedded in concrete decks and other surfaces. Since there is documented lead content in the painted surfaces at this site, will be impacted if the bridge is replaced, the contamination risk ranking for this site is **Medium**. The rating is also justified due to the potential for PCB-containing oil leaks at the bascule machinery equipment bays. The lead-impacted coatings must be handled, managed, and disposed in compliance with United States Occupational Safety and Health Administration (OSHA) worker protection requirements and with USEPA requirements for disposal of hazardous waste (if found to be hazardous). Plans for handling, management, and removal of any MBCs on coatings or ACMs must be prepared before demolition, modification, or rehabilitation of the bridge. Potential PCB-containing components will be tested and, if found to contain PCBs, properly disposed.

### 8.2.6 Site 6 – Reported Sheen

#### **9510 West Broadview Drive**

#### **ERNS ID 1240172**

Aerial photography depicts the location of Site 6 on the aerial plot provided in **Appendix A**.

#### 8.2.6.1 Historical Land Use Summary

Historical aerial photographs indicate the site consisted of a residential home adjacent to Biscayne Bay from at least 1951 to the present day. The site was listed in city directories as a residential property.

#### 8.2.6.2 Observations and Findings

This site is listed in the EDM report as the location of a spill of “unknown sheen” from an unknown source. The only location information provided was the water of Biscayne Bay near the residence at 9510 West Broadview Drive. A site reconnaissance was conducted at the residence, but personnel were unable to access the rear (Bay side) of the residence. The quantity and cause of the spill were not known, but the caller speculated that it was due to “barge work” in the area. Based on the incomplete data provided in the EDM report, it is likely the sheen was from an oil or fuel leak.

This site was listed as an ERNS site (Incident ID # 1240172). The ERNS incident report is from March 15, 2019 (2 pm). The media affected was listed as the water of Biscayne Bay. The report indicates that the USCG was notified. The report indicated that there was no response action. No other information was provided in the EDM report.



During the field visit, the site was observed to be a waterfront residential home. Views of the bay side immediately behind the residence were not accessible due to private property. Views from a distance (from the Broad Causeway Bridge) did not identify any remaining visible impacts from the above-reported sheen.

### *8.2.6.3 Risk Ranking*

This site is a reported sheen, possibly from an oil or fuel leak, from 2019 in Biscayne Bay. It appears no response action was taken and there was no subsequent information about the sheen. Due to the lack of response, the unconfirmed source of the sheen, and the fact that the spill occurred in marine waters subject to tides and currents, it is unlikely to have created contamination that would linger within the project. Therefore, the contamination risk rating is **Low**.

## *8.2.7 Site 7 – Disaster Debris Management Site*

### **Town of Bay Harbor Islands-South of 97<sup>th</sup> Street and East of West Bay Harbor Boulevard Solid Waste ID 105012**

Aerial photography depicts the location of Site 7 on the aerial plot provided in **Appendix A**.

### *8.2.7.1 Historical Land Use Summary*

Historical aerial photographs indicate the site consisted of vacant land approximately 100 feet north of 96<sup>th</sup> Street/Kane Concourse at West Bay Harbor Boulevard in 1951. The site appeared to contain one or two small structures from 1968 to 2013. The site was surrounded by residential structures. In 2022, the site appeared as vacant land with asphalt parking areas. The site was not listed in the city directories.

### *8.2.7.2 Observations and Findings*

This site was registered with the FDEP Division of Solid Waste as a Disaster Debris Management Site on November 2, 2017. The site was authorized for temporary storage and processing of hurricane/storm-related debris and other types of disaster debris resulting from Hurricane Irma. The authorization included conditions that must be met to utilize the site. One of these conditions was the requirement to have a spotter on-site to observe and remove prohibited waste items, which included fuels and hazardous waste. The FDEP conducted an inspection of the site on November 3, 2017. The FDEP noted that all debris had been removed and that there was no evidence of a pollutant release. The FDEP noted that they (FDEP) had not taken nor reviewed any environmental sampling results from this site. The site was closed as of November 3, 2017, and no further storage or processing of hurricane debris is allowed at this site. The date of the authorization and the date of the closure (one day apart) suggests that the Town of Bay Harbor Islands belatedly requested the authorization.



During the site visit, the property was observed to be a fenced, vacant lot. The lot was partially covered with asphalt, but it included some grass and tree areas. Field review of the site did not identify any remnants of debris or evidence of the prior existence of the debris.

#### *8.2.7.3 Risk Ranking*

The site was used for temporary storage of hurricane-related debris from September 2017 to November 2017. There was no indication of a fuel leak or release of hazardous waste at this site related to the temporary storage of debris. An FDEP inspection of the site (after debris removal) did not find any indication of contamination. Therefore, due to the lack of contamination and its distance from the project limits, the contamination risk rating is **No**.



## 9.0 CONCLUSIONS AND RECOMMENDATIONS

All sites were evaluated through examination of historical resources such as topographic maps and aerial photographs, regulatory sources at the State and local levels, and site inspections. In addition, ACM, MBC, and PCB surveys of the bridge were performed. Potential sources of contamination were identified, and the sites were ranked with respect to their potential for contamination impacts.

### 9.1 Summary of Project Impacts

The contamination screening evaluation has resulted in a High ranking for one site, a Medium ranking for one site, a Low ranking for two sites, and a No ranking for three sites. A discussion of the two sites which received a High or Medium ranking follows.

- Due to the reported soil and groundwater contamination at this Site 4 (Sunshine #8), there likely are remaining contamination impacts at this property. No remediation has been performed at this site. DERM is currently overseeing investigations of this site, with additional soil and groundwater sampling planned for the near future. Petroleum groundwater plumes are currently located in the planned areas of roadway improvements, including installation of drainage structures. Therefore, the petroleum-contaminated groundwater may impact any dewatering activities in that area. Design of the bridge and helix structures were developed to avoid known contamination locations as to not exacerbate the existing plume. Due to the known groundwater contamination along the north side of the gas station and due to the proximity of this site to the Broad Causeway Bridge project, the risk ranking for this site is **High**. It is likely that dewatering will be needed both south and north of the service station, and it will likely require a FDEP dewatering permit for contaminated sites. Soil borings and temporary monitoring wells will be installed both north and south of the service station.
- The bridge (Site #5) was tested for ACMs and MBCs. In addition, the bridge was observed for potential PCB-containing components. ACMs were not identified in the materials tested. However, based on the age of the bridge, ACMs and MBCs may be present in the faying surfaces of splices and top flanges embedded in concrete decks and other surfaces. Since there is documented lead content in the painted surfaces at this site will be impacted if the bridge is replaced, the contamination risk ranking for this site is **Medium**. The rating is also justified due to the potential for PCB-containing bascule machinery leaking oils into the equipment bay. The lead-impacted coatings must be handled, managed, and disposed in compliance with United States Occupational Safety and Health Administration (OSHA) worker protection requirements and with USEPA requirements for disposal of hazardous waste (if found to be hazardous). Plans for handling, management, and removal of any MBCs on coatings or ACMs must be prepared before demolition, modification, or



rehabilitation of the bridge. Potential PCB-containing components and stained areas will be tested and, if found to contain PCBs, properly disposed.

Based on a review of the documents and site inspections, it appears that two sites along the corridor have a **High** or **Medium** potential for contamination issues. As the process moves forward, a more complete investigation of these sites, as well as a revisiting of the regulatory files, if available, may be warranted. At Site 4 (Sunshine #8), project concept plans indicate that roadway improvements, including widening and stormwater structure installation, are to be located south and west of the gas station. Bridge piers and other improvements are planned south of the gas station. It is likely that dewatering will be needed both south and north of the gas station, and it will likely require a special FDEP dewatering permit for contaminated sites. Soil borings and temporary monitoring wells will be installed both north and south of the gas station. The depth of the borings will be to the depth of planned construction and to 15 feet below surface for all monitoring wells. Soil and groundwater samples will be collected and analyzed for petroleum parameters, arsenic, and lead. The total cost of these Level II investigations is estimated to be between \$20,000 - \$25,000. Costs and methods for Level III activities (remediation), including potential treatment and disposal of dewatering effluent, will be based on the results of the Level II investigations.

At Site 5 (Broad Causeway Bridge), lead was found in the painted coatings, so the lead-impacted coatings must be handled, managed, and disposed in compliance with OSHA worker protection requirements and with EPA requirements for disposal of hazardous waste (if found to be hazardous). Potential PCB-containing components and floor staining were observed at the area of the bascule machinery. Potential PCB-containing components will be tested. The stained areas near the machinery will be tested for PCBs and their disposal handled properly. Testing of the potentially PCB-oil stained floors is estimated to cost between \$5,000 and \$10,000.

It will be noted that all but the most extensive investigation could fail to identify a buried, covered-over, or localized subsurface event of toxic or hazardous waste or uncontrolled dumping within the study area that is not visible at the ground surface. This report is also limited to the information available at the time the field inspections and at the time of the review of the regulatory files.

During the design phase, **Medium** and **High** rated sites will be further evaluated to determine if Level II testing is warranted based on the Project's future design.



## 10.0 BIBLIOGRAPHY

1. FDOT PD&E Manual, Part 2, Chapter 20 (Contamination), Effective July 1, 2023.
2. Scott, Thomas M., A Geological Overview of Florida, Florida Geological Survey, Open File Report No. 50.
3. Environmental Data Management, Inc. (EDM), Environmental Data Report, Premium ASTM Research, 2840 West Bay Drive, Suite 208, Largo, Florida, 33770. September 16, 2022.
4. EDM Historical Aerial Photograph Report, 2840 West Bay Drive, Suite 208, Largo, Florida, 33770. September 16, 2022.
5. EDM City Directory Imagery Report, Broad Causeway Bridge, 2840 West Bay Drive, Suite 208, Largo, Florida, 33770. September 16, 2022.
6. EDM City Directory Imagery Report, 96<sup>th</sup> Street aka Kane Concourse, 2840 West Bay Drive, Suite 208, Largo, Florida, 33770. October 11, 2022.
7. FDEP Oculus website ([OCULUS - Search \(state.fl.us\)](https://oculus.state.fl.us) ) accessed in 2022 and 2023.
8. U.S Department of Agriculture-Natural Resources Conservation Service, Custom Soil Resource Report, Miami-Dade County Area, Florida, October 10, 2022.
9. U.S. Occupational Safety and Health Administration (OSHA) regulations, Code of Federal Regulations 1926.62 (Construction Standard).



## **11.0 APPENDICES**

APPENDIX A – SITE LOCATION MAP

APPENDIX B – SITE PHOTOGRAPHS

APPENDIX C – REGULATORY DATABASE REPORT

APPENDIX D – REGULATORY AGENCY FILES

APPENDIX E – EDM HISTORICAL AERIAL PHOTOGRAPH REPORT

APPENDIX F – EDM CITY DIRECTORY IMAGERY REPORTS

APPENDIX G – ASBESTOS SURVEY AND METALS BASED COATINGS REPORT



## APPENDIX A – SITE LOCATION MAP



Project Features		Potential Contamination Site Ranking					
	Project Corridor		HIGH-ranked Site		MEDIUM-ranked Site		NO and LOW-ranked Site
	Parcel Boundary						

ATKINS NORTH AMERICA, INC.  
 4030 WEST BOY SCOUT BLVD  
 SUITE 700  
 TAMPA, FL 33607

TOWN OF BAY HARBOR ISLANDS, FLORIDA		
ROAD	COUNTY	FINANCIAL PROJECT ID
SR 922	MIAMI DADE	EPID-150100-1-04-01

**Broad Causeway Bridge Replacement PD&E Study**

Service Layer Credits: World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Service Layer Credits: World Imagery Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**Project Features**

- Project Corridor
- Parcel Boundary

**Potential Contamination Site Ranking**

- HIGH-ranked Site
- MEDIUM-ranked Site
- NO and LOW-ranked Site

ATKINS NORTH AMERICA, INC.  
4030 WEST BOY SCOUT BLVD  
SUITE 700  
TAMPA, FL 33607

TOWN OF BAY HARBOR ISLANDS, FLORIDA

ROAD	COUNTY	FINANCIAL PROJECT ID
BR-000	MIAMI DADE	EPID-150100-1-04-01

**Broad Causeway Bridge Replacement PD&E Study**

SHEET NO.

2



## APPENDIX B – SITE PHOTOGRAPHS



**Photo #1: Site 1 – Reported Oil Spill, as viewed from the Broad Causeway Island.  
The spill occurred in 1995 and has been rated Low.**



**Photo #2: Site 2 – Broad Causeway West Relief Bridge, as viewed from the east.  
This site obtained a Generic NPDES construction permit and is rated No.**



**Photo #3: Site 3- SR 922 (Broad Causeway) from the west. This site obtained a Generic NPDES construction permit and is rated No.**



**Photo #4: Site 4 – Sunshine #8 from the southeast. This site is an active gas station that has contaminated soil and groundwater. This site is rated High.**



**Photo #5: Site 4 – Sunshine #8, showing the existing USTs. The site has a petroleum groundwater plume migrating toward the bay in the background.**



**Photo #6: Site 5 – Broad Causeway Bridge, as viewed from the east. This view shows the bascule and tender houses. The site is rated Medium.**



**Photo #7: Site 6- Reported Sheen. This view is from the east of the residential home. The 2019 sheen was observed on the bay side of the home and is rated Low.**



**Photo #8: Site 7 – Disaster Debris Management Site. This view is from the north side of the vacant lot. The site is rated No.**



## APPENDIX C – REGULATORY DATABASE REPORT

# Environmental Data Report

## Premium ASTM Research

**Subject Property:**

Broad Causeway Bridge

Bay Harbor Islands, Florida 33154

**Prepared For:**

Atkins North America, Inc  
4030 West Boy Scout Blvd Suite 700  
Tampa, FL 33607

**Prepared By:**



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

September 16, 2022



September 16, 2022

Brad Bayne  
Atkins North America, Inc  
4030 West Boy Scout Blvd  
Tampa, FL 33607

Subject: **Premium ASTM Research - EDM Project #26281**

Dear Mr. Bayne

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:

**Broad Causeway Bridge**

**Bay Harbor Islands, Florida 33154**

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

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

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

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

**ENVIRONMENTAL DATA MANAGEMENT, INC.**

# Executive Summary

## Subject Property Location and Physical Setting Information

<b>SUBJECT PROPERTY</b>	Broad Causeway Bridge Bay Harbor Islands, Florida 33154
<b>COUNTY</b>	MIAMI-DADE
<b>LAT/LON -DMS (NAD 83) -</b>	25 53' 11.6412" / -80 8' 21.03"
<b>APPROX SITE ELEV</b>	3 Feet
<b>SEC-TWN-RNG</b>	-----
<b>USGS QUAD</b>	North Miami-25080-H2
<b>PREDOM WETLAND</b>	UPLAND
<b>PREDOM FLOOD ZONE</b>	YES
<b>FLOOD ZONE TYPE</b>	AE - 1 PCT ANNUAL CHANGE FLOOD HAZARD
<b>FEMA FIRM PANEL</b>	12086C0144L
<b>PREDOM SOIL TYP</b>	NF



<b>EPA RADON DATA FOR</b>	MIAMI-DADE COUNTY		
Zone 2-Moderate Potential: Zone 2 Counties have a predicted average indoor radon screening level between 2 and 4 pCi/L (pico curies per liter) EPA HYPERLINK <a href="http://www.city-data.com/radon-zones/Florida/Florida.html">http://www.city-data.com/radon-zones/Florida/Florida.html</a>			
<b>CDC RADON DATA FOR</b>	MIAMI-DADE COUNTY		
<b>SAMPLE YRS</b>	<b>MEDIAN pCi/L</b>	<b>COMMENTS</b>	<b>CDC HYPERLINK</b>
2005-2014	1.5		<a href="https://ephtracking.cdc.gov/DataExplorer/index.html">https://ephtracking.cdc.gov/DataExplorer/index.html</a>
2006-2015	1.5		<a href="https://ephtracking.cdc.gov/DataExplorer/index.html">https://ephtracking.cdc.gov/DataExplorer/index.html</a>
2007-2016	1.5		<a href="https://ephtracking.cdc.gov/DataExplorer/index.html">https://ephtracking.cdc.gov/DataExplorer/index.html</a>
2008-2017	1.6		<a href="https://ephtracking.cdc.gov/DataExplorer/index.html">https://ephtracking.cdc.gov/DataExplorer/index.html</a>

**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
<b>EPA DATABASES</b>						
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	2	N/A	N/A	2
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	0	N/A	N/A	0
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

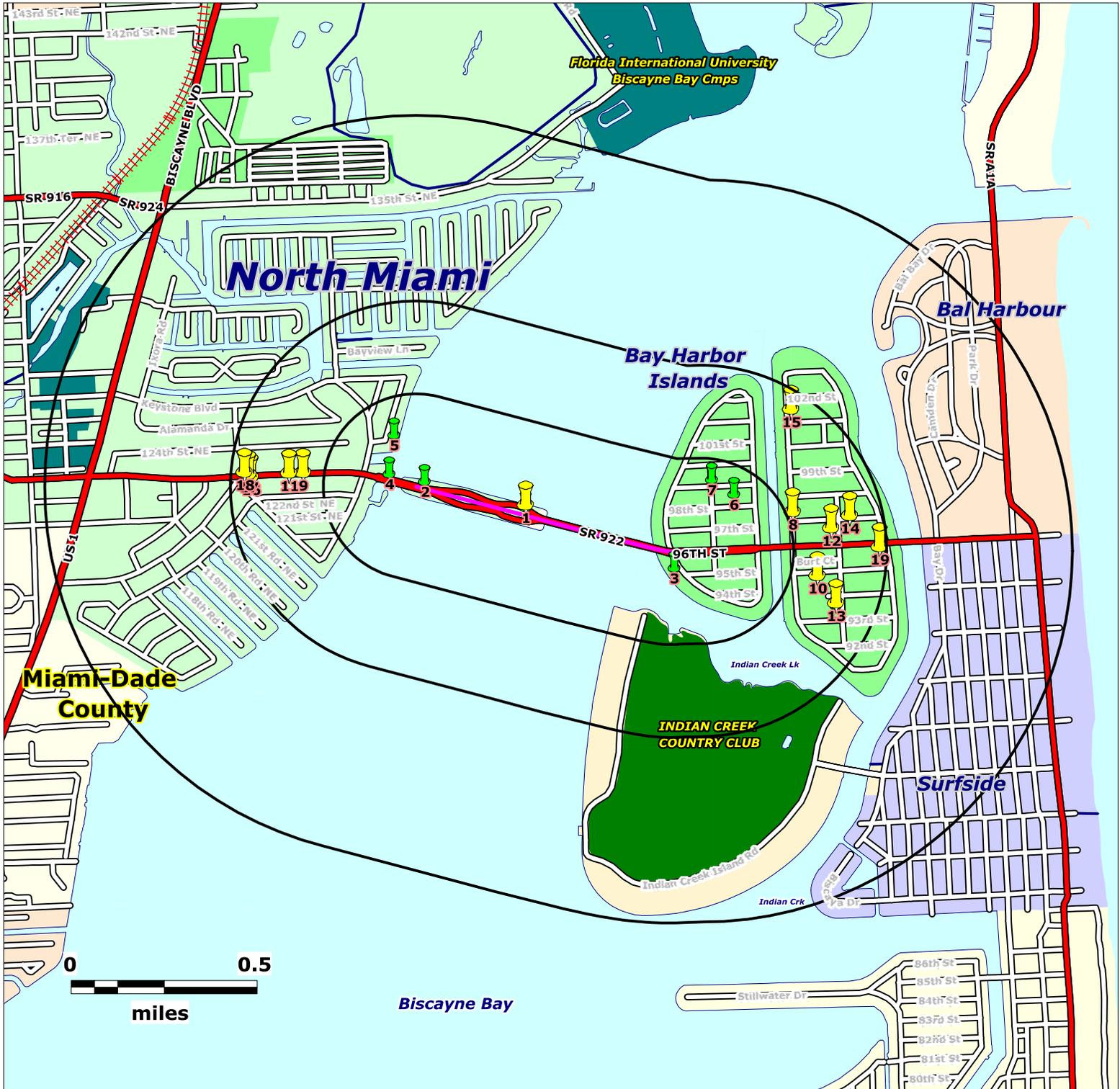


<b>AGENCY DATABASES RESEARCHED</b>	<b>Max Search Radius (Miles)</b>	<b>Subject Property</b>	<b>From 0 - 0.25 mile</b>	<b>From 0.26 - 0.5 mile</b>	<b>From 0.51 - 1 mile</b>	<b>Total # Found</b>
<b>Brownfields Management System(USBRWNFLDS)</b>	0.50	0	0	0	N/A	<b>0</b>
<b>Institutional and/or Engineering Controls(USINSTENG)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>Enforcement and Compliance History(ECHO)</b>	0.25	0	3	N/A	N/A	<b>3</b>
<b>NPL Liens List(NPLLIENS)</b>	1.00	0	0	0	0	<b>0</b>
<b>FDEP DATABASES</b>						
<b>State NPL Equivalent(STNPL)</b>	1.00	0	0	0	0	<b>0</b>
<b>State CERCLIS/SEMS Equivalent(STCERC)</b>	0.50	0	1	14	N/A	<b>15</b>
<b>Solid Waste Facilities List(SLDWST)</b>	0.50	0	0	1	N/A	<b>1</b>
<b>Leaking Underground Storage Tanks List(LUST)</b>	0.50	0	1	6	N/A	<b>7</b>
<b>Underground/Aboveground Storage Tanks(TANKS)</b>	0.25	0	1	N/A	N/A	<b>1</b>
<b>State Designated Brownfields(BRWNFLDS)</b>	0.50	0	0	2	N/A	<b>2</b>
<b>Voluntary Cleanup List(VOLCLNUP)</b>	0.50	0	0	7	N/A	<b>7</b>
<b>Institutional and/or Engineering Controls(INSTENG)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>Dry Cleaners List(DRY)</b>	0.50	0	0	3	N/A	<b>3</b>
<b>State Hazardous Waste Notifiers(STRCRA)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>FDEP Public Water Systems(FLPWS)</b>	0.50	0	0	0	N/A	<b>0</b>
<b>FDOH DATABASES</b>						
<b>FDOH Well Surveillance Program Public Water Wells(WELLSADOHC)</b>	0.50	0	0	0	N/A	<b>0</b>
<b>FDOH Well Surveillance Program Private Water Wells(WELLSADOHN)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>Supplemental DATABASES</b>						
<b>Record Of Decisions System(RODS)</b>	1.00	0	0	0	0	<b>0</b>
<b>RCRA Administrative Action Tracking System(RAATS)</b>	1.00	0	0	0	0	<b>0</b>
<b>Hazardous Waste Data Management System(HWDMS)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>RCRAInfo Data System Hazardous Waste Biennial Report(BRS)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>PCB Activity Data System(PADS)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>Permit Compliance System(PCS)</b>	0.25	0	1	N/A	N/A	<b>1</b>
<b>Facility Registry System(FRS)</b>	0.25	0	5	N/A	N/A	<b>5</b>
<b>Toxic Release Inventory System(TRIS)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>Industrial Wastewater Facilities Report(INDWST)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>National Pollutant Discharge Elimination System(NPDES)</b>	0.25	0	3	N/A	N/A	<b>3</b>
<b>WMD DATABASES</b>						
<b>SWFWMD Public Water Supply Report(SWFWMDPUB)</b>	0.50	0	0	0	N/A	<b>0</b>
<b>SWFWMD Domestic Water Supply Report(SWFWMDDOM)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>SJRWMD Public Water Supply Report(SJRWMDPUB)</b>	0.50	0	0	0	N/A	<b>0</b>
<b>SJRWMD Private Water Well Report(SJRWMDPRV)</b>	0.25	0	0	N/A	N/A	<b>0</b>
<b>SFWMD Public Water Supply Report(SFWMDPUB)</b>	0.50	0	0	0	N/A	<b>0</b>
<b>SFWMD Private Water Well Report(SFWMDPRV)</b>	0.25	0	0	N/A	N/A	<b>0</b>

\*\*\* Disclaimer \*\*\*

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





Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

**Subject Property**

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

Approximate Site Boundary

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

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

ERNS, NONTSD, ECHO, TANKS, INSTENG, STRCRA, HWDMS, BRS, PADS, PCS, TRIS, FRS, NPDES & INDWST sites - 1/4 Mile Radius





Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

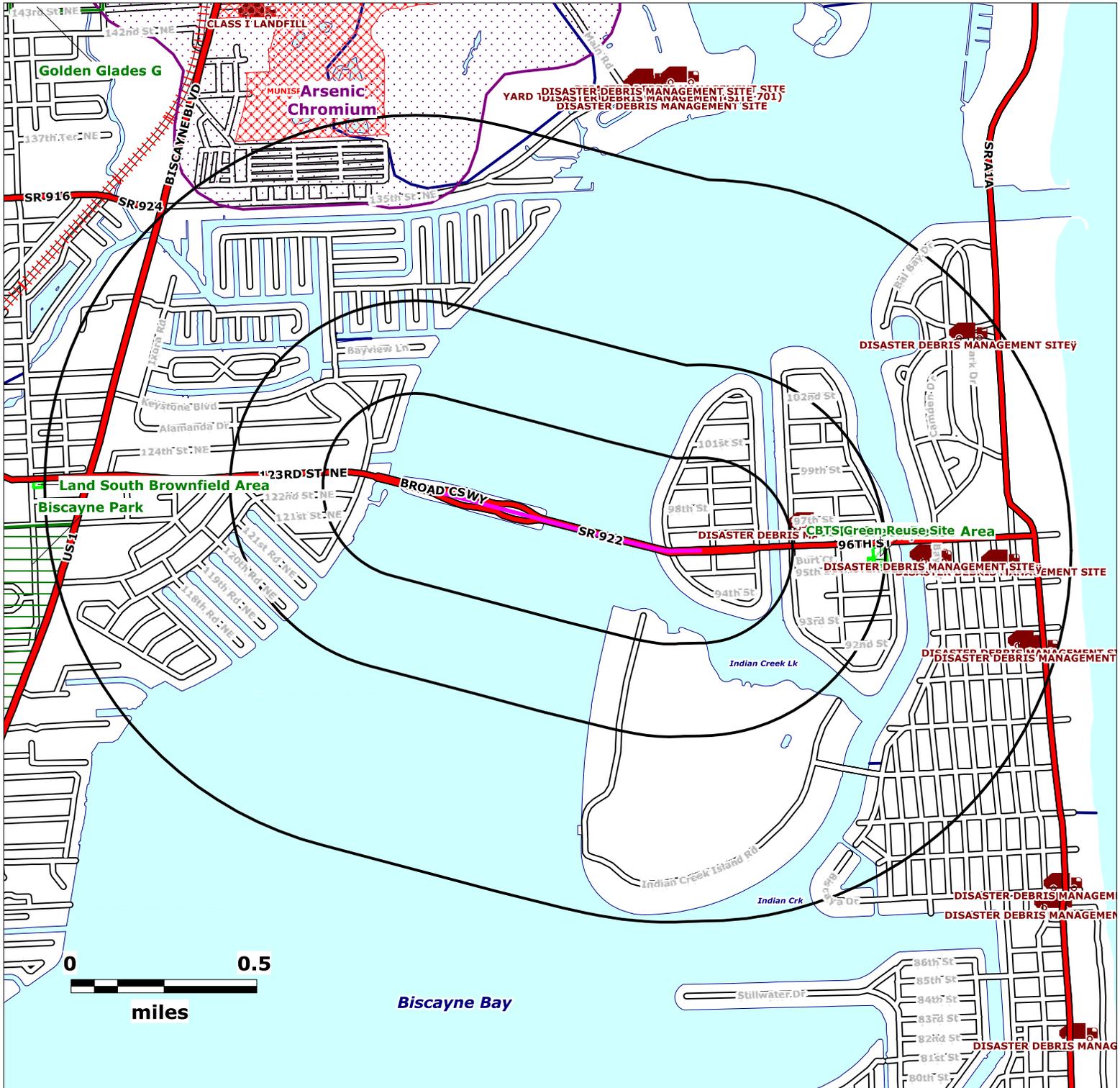
**Subject Property**

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

- Approximate Site Boundary
- NPL, NPLLIENS, STNPL, CORRACTS, TSD, RODS & RAATS sites - 1 Mile Radius
- CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius
- ERNS, NONTSD, ECHO, TANKS, INSTENG, STRCRA, HWDMS, BRS, PADS, PCS, TRIS, FRS, NPDES & INDWST sites - 1/4 Mile Radius



Source: FDEP and USEPA Geodata

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

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

# ENVIRONMENTAL DATA MANAGEMENT

## Premium ASTM Research

### Site Summary Table

Report Date: 9/16/2022

Page 1 of 2

MapID Prgm List	Fac ID No	Site Dist (mi)	Site Dir	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
<b>1</b>							
LUST	8503822	0.00	W	3.00	Lower	SUNSHINE #08	1501 BROAD CSWY BAY HARBOR ISLANDS, FL 331541914
STCERC	8503822	0.00	W	3.00	Lower	SUNSHINE #08	1501 BROAD CSWY BAY HARBOR ISLANDS, FL 331541914
TANKS	8503822	0.00	W	3.00	Lower	SUNSHINE #08	1501 BROAD CSWY BAY HARBOR ISLANDS, FL 33154
<b>2</b>							
ECHO	110056344745	0.00	W	4.36	Higher	SR 922 (BROAD CAUSEWAY)	UNKNOWN MIAMI BEACH, FL 33154
FRS	110056344745	0.00	W	4.36	Higher	SR 922 (BROAD CAUSEWAY)	UNKNOWN MIAMI BEACH, FL 33154
NPDES	110056344745	0.00	W	4.36	Higher	SR 922 (BROAD CAUSEWAY)	UNKNOWN MIAMI BEACH, FL 33154
<b>3</b>							
ERNS	1240172	0.07	SE	1.00	Lower	UNKNOWN SHEEN INCIDENT	9510 W BROADVIEW DR BAY HARBOR ISLAND, FL
<b>4</b>							
ECHO	110022415242	0.07	W	1.00	Lower	BROAD CAUSEWAY WEST RELIEF BRI	NE 123RD STREETBROAD CAUSEWAY TOWN OF BAY HARBOR ISLA, FL 33154
FRS	110022415242	0.07	W	1.00	Lower	BROAD CAUSEWAY WEST RELIEF BRI	NE 123RD STREETBROAD CAUSEWAY WEST RELIEF BRIDGE INTRAC TOWN OF BAY HARBOR ISLA, FL 33154
FRS	110035633062	0.07	W	1.00	Lower	BROAD CAUSEWAY WEST RELIEF BRIDGE - R	NE 123RD STREET BROAD CAUSEWAY WEST RELIEF BRIDGE INTRAC TOWN OF BAY HARBOR ISLAND, FL 33154
NPDES	110022415242	0.07	W	1.00	Lower	BROAD CAUSEWAY WEST RELIEF BRI	NE 123RD STREETBROAD CAUSEWAY WEST RELIEF BRIDGE INTRAC TOWN OF BAY HARBOR ISLA, FL 33154
PCS	FLR10AJ00	0.07	W	1.00	Lower	BROAD CAUSEWAY WEST RELIEF BRI-	NE 123rd StreetBroad CausewayWest Relief Bridge Intrac Town of Bay Harbor Isla, FL
<b>5</b>							
ERNS	449438	0.13	W	0.66	Lower		12405 KEYSTONE ISLAND DR NORTH MIAMI, FL 33181
<b>6</b>							
FRS	FLD981011844	0.16	NE	1.09	Lower	LEVITCH STANLEY	1251 98TH ST MIAMI BEACH, FL 33154
<b>7</b>							
ECHO	110056992269	0.17	NE	1.00	Lower	COMMUNITY ENHANCEMENT PROJECT - PHASE II	BROADVIEW TERRACE & 99TH ST BAY HARBOR ISLANDS, FL 33154
FRS	110056992269	0.17	NE	1.00	Lower	COMMUNITY ENHANCEMENT PROJECT - PHASE	BROADVIEW TERRACE & 99TH ST BAY HARBOR ISLANDS, FL 33154
NPDES	110056992269	0.17	NE	1.00	Lower	COMMUNITY ENHANCEMENT PROJECT - PHASE	BROADVIEW TERRACE & 99TH ST BAY HARBOR ISLANDS, FL 33154
<b>8</b>							
SLDWST	105012	0.26	E	1.62	Lower	TOWN OF BAY HARBOR ISLANDS	SOUTH OF 97 ST AND W. OF W. BAY HARBOR DR BAY HARBOR ISLANDS, FL 33154
<b>9</b>							
DRY	9500540	0.31	W	0.37	Lower	SAI DRY CLEANERS	2184 NE 123RD ST NORTH MIAMI, FL 33181
STCERC	139500540	0.31	W	0.37	Lower	Als One Hour Cleaner	2184 NE 123rd St N Miami, FL
STCERC	ERIC_14133	0.31	W	0.37	Lower	ALS 1 HOUR CLEANERS ALS ONE HOUR CLEANER	2184 NE 123RD ST NORTH MIAMI, FL 33181
STCERC	ERIC_4334	0.31	W	0.37	Lower	Als One Hour Cleaner	2184 NE 123rd St North Miami, FL 331812902
VOLCLNUP	57946	0.31	W	0.37	Lower	ALS 1 HOUR CLEANERS ALS ONE HOUR CLEANER	2184 NE 123RD ST NORTH MIAMI, FL 33181
VOLCLNUP	ERIC_14133	0.31	W	0.37	Lower	ALS 1 HOUR CLEANERS ALS ONE HOUR CLEANER	2184 NE 123RD ST NORTH MIAMI, FL
<b>10</b>							
LUST	8842345	0.33	E	3.10	Higher	DADE CNTY SCHOOL BD-BAY HARBOR ELEM	1165 94TH ST MIAMI BEACH, FL 331542306
STCERC	8842345	0.33	E	3.10	Higher	DADE CNTY SCHOOL BD-BAY HARBOR ELEM	1165 94TH ST MIAMI BEACH, FL 331542306
<b>11</b>							
DRY	9500168	0.34	W	0.33	Lower	THE DRY CLEANER	2170 NE 123RD ST NORTH MIAMI, FL 33181
STCERC	139500168	0.34	W	0.33	Lower	The Dry Cleaner	2170 NE 123rd St N Miami, FL
STCERC	ERIC_14068	0.34	W	0.33	Lower	DRY CLEANER	2170 NE 123RD ST NORTH MIAMI, FL
STCERC	ERIC_4297	0.34	W	0.33	Lower	The Dry Cleaner	2170 NE 123rd St North Miami, FL 331812902
VOLCLNUP	56228	0.34	W	0.33	Lower	DRY CLEANER	2170 NE 123RD ST NORTH MIAMI, FL
VOLCLNUP	ERIC_14068	0.34	W	0.33	Lower	DRY CLEANER	2170 NE 123RD ST NORTH MIAMI, FL
<b>12</b>							
LUST	9102173	0.35	E	3.35	Higher	CONCOURSE PLAZA CONDO ASSN	1111 KANE CONCOURSE #610 BAY HARBOR ISLANDS, FL 33154
<b>13</b>							
LUST	9804271	0.40	E	1.41	Lower	BAY HARBOR CONDOS	9300 BAY HARBOR TERR BAY HARBOR ISLANDS, FL 33154



# ENVIRONMENTAL DATA MANAGEMENT

## Premium ASTM Research

### Site Summary Table

Report Date: 9/16/2022

Page 2 of 2

MapID Prgm List	Fac ID No	Site Dist (mi)	Site Dir	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
<b>14</b>							
LUST	8522020	0.41	E	3.36	Higher	BAY HARBOR ISLANDS TOWN	9665 BAY HARBOR TER MIAMI BEACH, FL 331542005
STCERC	8522020	0.41	E	3.36	Higher	BAY HARBOR ISLANDS TOWN	9665 BAY HARBOR TER MIAMI BEACH, FL 331542005
<b>15</b>							
LUST	9807654	0.43	NE	0.33	Lower	APARTMENTS	10101 W BAY HARBOR DR BAY HARBOR ISLANDS, FL 33154
<b>16</b>							
STCERC	ERIC_14135	0.45	W	0.00	-	ROYAL CLEANERS	2100 NE 123TH ST NORTH MIAMI, FL 33161
VOLCLNUP	ERIC_14135	0.45	W	0.00	-	ROYAL CLEANERS	2100 NE 123TH ST NORTH MIAMI, FL
<b>17</b>							
STCERC	139500358	0.45	W	0.00	-	Royal Cleaners Inc	2100 NE 123rd St N Miami, FL
<b>18</b>							
DRY	9500358	0.46	W	0.33	Lower	ROYAL CLEANERS	2100 NE 123RD ST NORTH MIAMI, FL 33181
STCERC	ERIC_4320	0.46	W	0.33	Lower	Royal Cleaners Inc	2100 NE 123rd St North Miami, FL 331812902
VOLCLNUP	55942	0.46	W	0.33	Lower	ROYAL CLEANERS	2100 NE 123TH ST NORTH MIAMI, FL 33161
<b>19</b>							
BRWNFLDS	BF132101000	0.48	E	2.37	Lower	CBTS Green Reuse Area	BAY HARBOR ISLANDS, FL
BRWNFLDS	BF132101001	0.48	E	2.37	Lower	CBTS Green Reuse Site	1000 Kane Concourse BAY HARBOR ISLANDS, FL 33154
LUST	8622149	0.48	E	2.37	Lower	CBS REALTY HOLDING LLC	1000 KANE CONCOURSE MIAMI BEACH, FL 331542107
STCERC	8622149	0.48	E	2.37	Lower	CBS REALTY HOLDING LLC	1000 KANE CONCOURSE MIAMI BEACH, FL 331542107
STCERC	BF132101001	0.48	E	2.37	Lower	CBTS Green Reuse Site	1000 Kane Concourse BAY HARBOR ISLANDS, FL 33154
STCERC	ERIC_17854	0.48	E	2.37	Lower	CBTS Green Reuse Site	1000 Kane Concourse Bay Harbor Islands, FL 33154
VOLCLNUP	BF132101001	0.48	E	2.37	Lower	CBTS Green Reuse Site	1000 Kane Concourse BAY HARBOR ISLANDS, FL



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

(STCERC)

Report Date: 9/16/2022

STCERC Page 1 of 1

**FACILITY NAME AND LOCATION:**

SUNSHINE #08  
1501 BROAD CSWY  
BAY HARBOR ISLANDS, FL 33154-1914

**AGENCY SITE LAT/LON:**

25.887988938822  
-80.14473911389

**MAP ID NUMBER:**

1

Dist (Miles): 0.00  
Direction: W  
Elev (Ft): 3.00  
Elev vs Sub Prop: Lower

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**  
ALT SITE NO:  
DISTRICT: SED

**FDER SITES LIST INFO:**

**SITE NO:**  
LEAD UNIT:  
PRJ MGR:  
ATTY:  
SUP UNIT:  
STATUS:  
STATUS DATE:

**CLEANUP SITES INFO:**

**SRC DATA ID:** 8503822  
**SRC DATA PGM:** STCM  
**PGM AREA:** TK  
**CLNP CAT:** PETRO  
**REM STATUS:** ACTIVE  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:**  
**PROGRAM:**  
**PROGRAM STATUS:**  
**OFFSITE COMTAM KEY:**

**ERIC ID NO:**

**SRC FAC NAME:**

**PROGRAM TYPE:**  
**SITE PHASE DESCR:**  
**ICR ?:**

**SITE NAME:**

**SITE STATUS:**

**DISCHARGE DATE:**



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 1 of 5

**FACILITY ID NUMBER, NAME AND LOCATION**

8503822  
SUNSHINE #08  
1501 BROAD CSWY  
BAY HARBOR ISLANDS, FL 33154-1914

**OWNERSHIP INFO:**

ACCOUNT OWNER  
SUNSHINE GASOLINE DISTRI  
1650 NW 87TH AVE ATTN: STORAGE  
Miami, FL 33172-2614  
(954)505-5502  
COUNTY ID: 13 MIAMI-DADE  
AGCY LAT/LON(DMS): 25.53,16.7432 80.8,41.0512  
FAC OPERATOR: JUAN RIVERA  
FAC TEL #: (305)891-6571

**MAP ID NUMBER:**

Dist (Miles): 0.00  
Direction: W  
Elev (Ft): 3.00  
Elev vs Sub Prop: Lower

1

L  
U  
S  
T

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

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

**SCORE** 11      **SCORE EFF DT:** 1/8/2007      **RANK:** 8533      **SCORE WHEN RANKED:** 10

**DISCHARGE INFORMATION**

**DISCHARGE DATE:** 6/26/1989

Mapid: 1

**INSPECTION DATE:**

**CLEANUP REQUIRED** R - CLEANUP REQUIRED

**CLEANUP COMBINED:**

**CLEANUP WORK STATUS:** ACTIVE

**INFO SOURCE:** D - DISCHARGE NOTIFICATION

**DISCH CLNUP STATUS:** 8/1/1991      RAP - RAP ONGOING

**CONTAMINATED MEDIA?:** SOIL: N      SUR WATER: N      GR WATER: N      MON WELL: Y      # DW WELLS CONTAMINATED: 0

**POLLUTANT :** -      GALLONS      OTHER

**CLEANUP INFORMATION**

Mapid: 1

**PGM ELIG OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**PGM ELIG SCORE:** 11

**PGM ELIG SCORE EFF DT:**

**PGM ELIG R**

**ELIG STAT:** ELIGIBLE

**ELIG STAT DT:**

**APPL RCVD:**

**LOI:**

**ELIG LTR SENT:**

**REDETERM:**

**DEDUCT AMT:**

**DEDUCT PD TO DT:**

**COPAY AMT:**

**COPAY TO DT:**

**CAP AMT:** 400000

**CLNUP PROG:** P - PETROLEUM LIABILITY AN      **CLNUP OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**SITE ASSESSMENT\***

**CLNP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION PLAN\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ORDER APPRV DATE:**

**ACTUAL COMPL DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COST:**

**YEARS TO COMPL:**

**SITE REHABILITATION COMPLETION REPORT\***

**ACTION TYPE:** -

**SUBMIT DATE:**

**REVIEW DATE:**

**ISSUE DATE:**

**COMPL STATUS:** -

**COMPL STATUS DT:**

**COMMENTS:**

**SOURCE REMOVAL\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**FREE PRODUCT REMOVAL?(Y/N):**

**SOIL REMOVAL?(Y/N):**

**SOIL TONNAGE REMOVED:**

**SOIL TREATMENT?(Y/N):**

**OTHER TREATMENT?:**

**ALT PROC STATUS:**

**ALT PROC STATUS DT:**

**ALT PROC COMMENT:**

\* Data current as of November 2019



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 2 of 5

### DISCHARGE INFORMATION

**DISCHARGE DATE:** 11/2/1990

**Mapid:** 1

**INSPECTION DATE:** **CLEANUP WORK STATUS:** ACTIVE

**CLEANUP REQUIRED:** R - CLEANUP REQUIRED      **CLEANUP COMBINED:**

**INFO SOURCE:** D - DISCHARGE NOTIFICATION

**DISCH CLNUP STATUS:** 2/28/2006    DNR - DISCHARGE NOTIFICATION RECEIVED

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

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

### CLEANUP INFORMATION

**Mapid:** 1

**PGM ELIG OFF:** -

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

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

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

**CLNUP PROG:**      **CLNUP OFF:**

#### SITE ASSESSMENT\*

**CLNP RESP:** RP - RESPONSIBLE PARTY

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:** 9/18/1991

**PAYMENT DATE:**

**ACTUAL COST:**

#### REMEDIAL ACTION PLAN\*

**CLEANUP RESP:** RP - RESPONSIBLE PARTY

**FUND ELLIG:** -

**ORDER APPRV DATE:** 5/19/1994

**ACTUAL COMPL DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

#### REMEDIAL ACTION\*

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COST:**

**YEARS TO COMPL:**

#### SITE REHABILITATION COMPLETION REPORT\*

**ACTION TYPE:** -

**SUBMIT DATE:**

**REVIEW DATE:**

**ISSUE DATE:**

**COMPL STATUS:** -

**COMPL STATUS DT:**

**COMMENTS:**

#### SOURCE REMOVAL\*

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**FREE PRODUCT REMOVAL?(Y/N):**

**SOIL REMOVAL?(Y/N):**

**SOIL TONNAGE REMOVED:**

**SOIL TREATMENT?(Y/N):**

**OTHER TREATMENT?:**

**ALT PROC STATUS:**

**ALT PROC STATUS DT:**

**ALT PROC COMMENT:**

\* Data current as of November 2019



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

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### DISCHARGE INFORMATION

**DISCHARGE DATE:** 1/14/1994

**Mapid:** 1

**INSPECTION DATE:** **CLEANUP WORK STATUS:** ACTIVE

**CLEANUP REQUIRED:** R - CLEANUP REQUIRED      **CLEANUP COMBINED:**

**INFO SOURCE:** D - DISCHARGE NOTIFICATION

**DISCH CLNUP STATUS:** 9/8/2020      SA - SA ONGOING

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

**POLLUTANT :** -      **GALLONS**      **OTHER**

### CLEANUP INFORMATION

**Mapid:** 1

**PGM ELIG OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**PGM ELIG SCORE:** 11      **PGM ELIG SCORE EFF DT:**      **PGM ELIG R**

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

**DEDUCT AMT:**      **DEDUCT PD TO DT:**      **COPAY AMT:**      **COPAY TO DT:**      **CAP AMT:** 400000

**CLNUP PROG:** P - PETROLEUM LIABILITY AN      **CLNUP OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

#### SITE ASSESSMENT\*

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

#### REMEDIAL ACTION PLAN\*

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

#### REMEDIAL ACTION\*

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

#### SITE REHABILITATION COMPLETION REPORT\*

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

#### SOURCE REMOVAL\*

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

\* Data current as of November 2019



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 4 of 5

### TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:	1	TANKS												
<p>8503822 SUNSHINE #08 1501 BROAD CSWY BAY HARBOR ISLANDS, FL 33154</p>	<p>SUNSHINE GASOLINE DISTRIBU 1650 NW 87TH AVE ATTN: STORAGE Miami, FL 33172 CONTACT TEL #: 9545055502 CONTACT: SUNSHINE GASOLINE DISTRIBU FACILITY TEL #: 3058916571 COUNTY ID: 13 MIAMI-DADE</p>	<p>Dist (Miles): 0.00 Direction: W Elev (Ft): 3.00 Elev vs Sub Prop: Lower</p>														
<p><a href="#">FDEP INFORMATION PORTAL ON LINE DOCUMENTS</a> (May Not Be Available For All Records)</p>																
<p><b>FAC STATUS:</b> OPEN      <b>FAC TYPE:</b> Retail Station</p>																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">TANK #:</th> <th style="width: 20%;">TANK VOL(GALS):</th> <th style="width: 15%;">INST.DATE:</th> <th style="width: 25%;">TANK CONTENTS:</th> <th style="width: 15%;">TANK POSITION:</th> <th style="width: 15%;">TANK STATUS (as of...)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>10000</td> <td>01-Feb-1977</td> <td>Unleaded Gas</td> <td>UNDERGROUND</td> <td>REMOVED FROM SITE 01-Oct-1994</td> </tr> </tbody> </table> <p>CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: MANUALLY SAMPLED WELLS</p>	TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)	1	10000	01-Feb-1977	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Oct-1994				
TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)											
1	10000	01-Feb-1977	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Oct-1994											
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TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)											
1R1	10000	01-Nov-1994	Ethanol E10	UNDERGROUND	IN SERVICE 01-Nov-1994											
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1R2	10000	01-Oct-1994	Ethanol E10	UNDERGROUND	IN SERVICE 01-Oct-1994											
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TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)											
1R3	10000	01-Oct-1994	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Oct-1994											
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TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)											
1R3	10000	01-Oct-1994	Ethanol E10	UNDERGROUND	IN SERVICE 01-Oct-1994											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">TANK #:</th> <th style="width: 20%;">TANK VOL(GALS):</th> <th style="width: 15%;">INST.DATE:</th> <th style="width: 25%;">TANK CONTENTS:</th> <th style="width: 15%;">TANK POSITION:</th> <th style="width: 15%;">TANK STATUS (as of...)</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>10000</td> <td>01-Feb-1977</td> <td>Unleaded Gas</td> <td>UNDERGROUND</td> <td>REMOVED FROM SITE 01-Oct-1994</td> </tr> </tbody> </table> <p>CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: MANUALLY SAMPLED WELLS</p>	TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)	2	10000	01-Feb-1977	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Oct-1994				
TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)											
2	10000	01-Feb-1977	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Oct-1994											



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 5 of 5

<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
3	8000	01-Feb-1977	Leaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Oct-1994
<p><b>CONSTRUCTION TYPE:</b> STEEL</p> <p><b>PIPING TYPE:</b></p> <p><b>LEAK MONITORING:</b> MANUALLY SAMPLED WELLS</p>					
<u>TANK #:</u>	<u>TANK VOL(GALS):</u>	<u>INST.DATE:</u>	<u>TANK CONTENTS:</u>	<u>TANK POSITION:</u>	<u>TANK STATUS (as of...)</u>
4	500	01-Feb-1977	Waste Oil	UNDERGROUND	REMOVED FROM SITE 01-Oct-1994
<p><b>CONSTRUCTION TYPE:</b> STEEL</p> <p><b>PIPING TYPE:</b></p> <p><b>LEAK MONITORING:</b> MANUALLY SAMPLED WELLS</p>					



# USEPA FACILITY REGISTRY SYSTEM

(FRS)

Report Date: 9/16/2022

FRS Page 1 of 1

## FACILITY ID NUMBER, NAME AND LOCATION

110056344745  
SR 922 (BROAD CAUSEWAY)  
UNKNOWN  
MIAMI BEACH, FL 33154

## MAP ID NUMBER:

Dist (Miles): 0.00  
Direction: W  
Elev (Ft): 4.36  
Elev vs Sub Prop: Higher

2

FRS

Fed Fac ?      Fed Agcy:      Tribal Fac?:      Tribal Agcy:  
Site Type: STATIONARY      Location Descr:  
Create Dt: 12/9/2013      Update Dt: 1/11/2016

[FRS FACILITY DETAIL ON LINE REPORTS](#) (May Not Be Available For All Records)

## ENVIRONMENTAL INTEREST DATA:      Activity Status: TERMINATED

Info Sys ID & Name: FLR10NG63--NPDES/ National Pollutant Discharge Elimination System  
Data Source: FEDERAL--ICIS/ Integrated Compliance Information System  
Interest Type: STORM WATER CONSTRUCTION  
Interest Start Dt:  
Interest End Dt: 4/13/2015      PERMIT TERMINATION DATE  
Last Rpt Dt:      Create Dt: 7/5/2016      Update Dt: 9/3/2016  
NAICS CODE: / --  
SIC CODE: / --

## SUPPLEMENTAL ENVIRONMENTAL INTEREST DATA:

Supp Info Sys ID & Name: --ICIS/ Integrated Compliance Information System  
Supp Data Source: ICIS/ Integrated Compliance Information System  
Supp Interest Type: ENFORCEMENT/COMPLIANCE ACTIVITY  
Supp Interest Start Dt:      ACTUAL ACTIVITY DATE  
Supp Interest End Dt:  
Last Rpt Dt:      Create Dt: 12/11/2013      Update Dt:

## ENVIRONMENTAL INTEREST DATA:      Activity Status: TERMINATED

Info Sys ID & Name: FLR10NG63--NPDES/ National Pollutant Discharge Elimination System  
Data Source: FEDERAL--ICIS/ Integrated Compliance Information System  
Interest Type: ICIS-NPDES NON-MAJOR  
Interest Start Dt:  
Interest End Dt: 4/13/2015      PERMIT TERMINATION DATE  
Last Rpt Dt:      Create Dt: 12/9/2013      Update Dt: 9/3/2016  
NAICS CODE: / --  
SIC CODE: / --

## SUPPLEMENTAL ENVIRONMENTAL INTEREST DATA:

Supp Info Sys ID & Name: --ICIS/ Integrated Compliance Information System  
Supp Data Source: ICIS/ Integrated Compliance Information System  
Supp Interest Type: ENFORCEMENT/COMPLIANCE ACTIVITY  
Supp Interest Start Dt:      ACTUAL ACTIVITY DATE  
Supp Interest End Dt:  
Last Rpt Dt:      Create Dt: 12/11/2013      Update Dt:



# USEPA ICIS-NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Report Date: 9/16/2022

NPDES Page 1 of 1

## FRS ID NUMBER, NAME AND LOCATION:

110056344745  
SR 922 (BROAD CAUSEWAY)  
UNKNOWN  
MIAMI BEACH, FL 33154

NPDES ID No: FLR10NG63  
ICIS FAC INTEREST ID: 3400056924  
Permit Name: Halley Engineering Contractors, Inc  
Fac Type: NON-POTW/Privatey Owned Facility  
SIC Code: -  
NAICS Code: -

## MAP ID NUMBER:

Dist (Miles): 0.00  
Direction: W  
Elev (Ft): 4.36  
Elev vs Sub Prop: Higher

2

NPDES

## PERMIT DATA

Permit Type: General Permit Covered Facility  
Permit Status: Terminated  
Maj/Mnr Disch: Minor  
Des Flow(MGD):  
Avg Flow(MGD)  
Disch Waterbody:

Permit Agency: Florida Department of Environmental Protection  
Permit Org Iss: 10/19/2013  
Permit Iss: 10/19/2013  
Permit Eff: 10/19/2013  
Permit Exp: 10/18/2018  
Permit Trm: 04/13/2015  
Permit Ret:

## INSPECTION DATA

## PERMIT VIOLATION DATA

## DISCH MON RPT VIOLATIONS

## COMPL SCHEDULE VIOLATIONS

## SINGLE EVENT VIOLATIONS

## ENFORCEMENT



# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 9/16/2022

ECHO Page 1 of 2

### FRS ID NUMBER, NAME AND LOCATION:

110056344745  
SR 922 (BROAD CAUSEWAY)  
UNKNOWN  
MIAMI BEACH, FL 33154

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: MIAMI-DADE  
AGENCY LAT/LON: 25.8889/ -80.1492

### MAP ID NUMBER:

Dist (Miles): 0.00  
Direction: W  
Elev (Ft): 4.36  
Elev vs Sub Prop: Higher

2

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: 12086  
HUC CODE: 03090202  
AIR NAA? N  
WBD CODE: 030902061406  
CONG DIST:  
CENSUS BLK: 12086000120201  
MAJ FAC?:  
ACTV PERM?:  
% MINORITY WITHIN 3 MI: 76.207  
POP /SQ MI WITHIN 3 MI: 8230.24  
TRIBAL WITHIN 25 MI: Seminole Tribe of Florida - 10.7 mile(s), Seminole Tribe of Florida - 15.2 mile(s), Miccosukee Tribe of Indians - 22.2 mile(s), Miccosukee Tribe of Indians - 22.5 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 :

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

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:

### 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 QRTLTY COMPL STATUS:

### CLEAN WATER ACT INFO:

NPDES ID: FLR10NG63  
CWA PERMIT TYPE: Minor  
NAICS CODE:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:

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



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 9/16/2022

ECHO Page 2 of 2

### SIC CODE:

CWA QTRS NONCMPL LAST 5 YRS: 0

CWA INSPS IN LAST 5 YRS:

CWA 3YR QRTS EFFL EXCEED:

CWA DAYS LAST INSPN:

# CWA INFORMAL ENF ACTS LAST 5 YRS:

# CWA FORMAL ENF ACTS LAST 5 YRS:

CWA DATE LAST FORMAL ACTION:

### RCRIS INFO:

RCRA ID:

RCRA TOTAL PENALTIES:

RCRA CURR COMPL:

RCRA PERMIT TYPE:

RCRA LAST PENALTY DATE:

RCRA CURR HPV/SNC FLAG: N

NAICS CODE:

RCRA LAST PENALTY AMT:

RCRA 3YR QRTL COMPL STATU

RCRA INSPS IN LAST 5 YRS:

RCRA QTRS NONCMPL 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:

### SDWA INFO:

### TRIS INFO:

### FED ENF INFO:

SDWA ID:

TRIS ID:

SDWA SYST TYPE:

TRIS TOTAL LBS ONSITE/OFFSITE:

TOTAL FEC CASES 5 YRS:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

TRIS LBS REL ONSITE:

FEC LAST DATE:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

TRIS LBS TXFR OFFSITE:

FEC TOTAL PENLTY:

SDWA CURR COMPL:

TRIS PAST RPTS?:

SDWA CURR HPV/SNC FLAG: N

GRN HOUSE GAS INFO: GHG ID:

GHG EMISSIONS MT: N



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# USEPA/USCG-NATIONAL RESPONSE CENTER EMERGENCY RESPONSE NOTIFICATION SYSTEM LIST

(ERNS)

Report Date: 9/16/2022

ERNS Page 1 of 1

**INCIDENT ID NUMBER AND LOCATION:**

1240172  
UNKNOWN SHEEN INCIDENT  
9510 W BROADVIEW DR  
BAY HARBOR ISLAND, FL

**RESPONSIBLE PARTY**

ORG TYPE: UNKNOWN  
.XX  
RPT RCVD:  
ENTRY CMLT:  
CALL TYPE:

**MAP ID NUMBER:**

Dist (Miles): 0.07  
Direction: SE  
Elev (Ft): 1.00  
Elev vs Sub Prop: Lower

3
E  
R  
N  
S

COUNTY: DADE  
AGNCY LAT: --  
AGNCY LON: --  
AGNCY STR: --

STATE AGENCY NOTIFIED:  
FED AGENCY NOTIFIED: USCG SEC MIA, USCG DISTRICT 7  
STATE AGENCY ON SCENE:  
STATE AGENCY RPT NO:

**INCIDENT DATE AND TIME:**

3/15/2019 2:00:00 PM

**MATERIAL AND QUANTITY SPILLED:**

UNKNOWN OIL 0 UNKNOWN AMOUNT

CHRIS CODE: OUN      CAS NO: 000000-00-0      UN NO:  
IF REACHED WATER: YES      AMT IN WATER: 0 UNKNOWN AMOUNT  
CONT RELEASE UPPER BOUNDS: /

**TYPE OF INCIDENT:** UNKNOWN SHEEN

**INCIDENT CAUSE:** UNKNOWN

**INCIDENT DTG:** DISCOVERED

**MEDIA AFFECTED:** WATER      BISCAYNE BAY

**DESCRIPTION:** CALLER REPORTS THAT THERE IS AN UNKNOWN SHEEN ON THE WATER FROM AN UNKNOWN SOURCE. CALLER STATES THAT THERE IS A WORK BARGE IN THE AREA THAT COULD BE THE SOURCE BUT THIS IS UNCONFIRMED.

**RESPONSE:**

**ADDL INFO:**

**INCIDENT DETAILS:**

FIRE?: N	INJURIES?: N	AIRWAY CLOSED?: N	REL SECURED?: U
FIRE EXT?: U	NUM INJURED:	WATERWAY CLOSED?: N	EST DURATION:
EVAC?: N	NUM HOSP:	ROAD CLOSED?: N	REL RATE: /
NUM EVAC:	FATAL?: N	TRACK CLOSED?: N	DIST-DIR FROM CITY:
RAD OF EVAC:	NUM FATAL:	BODY OF WATER: BISCAYNE BAY	
WHO EVACUATED:	DAMAGES?: N	TRIBUTARY OF:	
	DAMAGE AMT:		

**MOBILE DETAILS:**

MOBILE TYPE:	VEH FUEL CAP:	CARGO CAP:	AMT ON BOARD:
HAZMAT CARRIER:	CARRIER LIC:	NONCOMPL WITH HAZMAT:	VEHICLE NO:
			TRAILER NO:

**TRAIN DETAILS:**

TRAIN ID:	RAILROAD NAME:	TRAIN TYPE:	TRACK SPEED:	TRAIN SPEED:	TRAIN DIR:
NO OF LOCOMOTIVES:	NO OF CARS:	NO DERAILED:	NONCOMPL WITH HAZMAT:		

**DERAILED UNITS:**



# USEPA Permit Compliance System

(PCS)

Report Date: 9/16/2022

PCS Page 1 of 1

## FACILITY ID NUMBER, NAME AND LOCATION:

FLR10AJ00  
BROAD CAUSEWAY WEST RELIEF BRI-  
NE 123rd StreetBroad CausewayWest Relief Bridge Intrac  
Town of Bay Harbor Isla, FL

## MAP ID NUMBER:

4

Dist (Miles): 0.07  
Direction: W  
Elev (Ft): 1.00  
Elev vs Sub Prop: Lower

PCS

Facility Type:	Activity Status:	Discharge Status:	Permit Type:	Permit Expiration:	SIC Description:
OTHER	ACTIVE	MINOR	STORMWATER GENERAL	05/11/2010	

## INSPECTIONS

## VIOLATIONS

## ENFORCEMENT



# USEPA FACILITY REGISTRY SYSTEM

(FRS)

Report Date: 9/16/2022

FRS Page 1 of 2

## FACILITY ID NUMBER, NAME AND LOCATION

110022415242  
BROAD CAUSEWAY WEST RELIEF BRI  
NE 123RD STREETBROAD CAUSEWAY WEST RELIEF  
TOWN OF BAY HARBOR ISLA, FL 33154

## MAP ID NUMBER:

Dist (Miles): 0.07  
Direction: W  
Elev (Ft): 1.00  
Elev vs Sub Prop: Lower

4

FRS

Fed Fac ?      Fed Agcy:      Tribal Fac?:      Tribal Agcy:  
Site Type: STATIONARY      Location Descr:  
Create Dt: 7/1/2005      Update Dt: 5/3/2015

[FRS FACILITY DETAIL ON LINE REPORTS](#) (May Not Be Available For All Records)

## ENVIRONMENTAL INTEREST DATA:      Activity Status: TERMINATED

Info Sys ID & Name: FLR10AJ00--NPDES/ National Pollutant Discharge Elimination System  
Data Source: FEDERAL--ICIS/ Integrated Compliance Information System  
Interest Type: STORM WATER CONSTRUCTION  
Interest Start Dt:  
Interest End Dt: 5/7/2012      PERMIT TERMINATION DATE  
Last Rpt Dt:      Create Dt: 8/18/2015      Update Dt: 9/3/2016  
NAICS CODE: / --  
SIC CODE: / --

## SUPPLEMENTAL ENVIRONMENTAL INTEREST DATA:

Supp Info Sys ID & Name: --ICIS/ Integrated Compliance Information System  
Supp Data Source: ICIS/ Integrated Compliance Information System  
Supp Interest Type: ENFORCEMENT/COMPLIANCE ACTIVITY  
Supp Interest Start Dt:      ACTUAL ACTIVITY DATE  
Supp Interest End Dt:  
Last Rpt Dt:      Create Dt: 6/1/2011      Update Dt:

## ENVIRONMENTAL INTEREST DATA:      Activity Status: TERMINATED

Info Sys ID & Name: FLR10AJ00--NPDES/ National Pollutant Discharge Elimination System  
Data Source: FEDERAL--ICIS/ Integrated Compliance Information System  
Interest Type: ICIS-NPDES NON-MAJOR  
Interest Start Dt:  
Interest End Dt: 5/7/2012      PERMIT TERMINATION DATE  
Last Rpt Dt:      Create Dt: 5/29/2011      Update Dt: 9/3/2016  
NAICS CODE: / --  
SIC CODE: / --

## SUPPLEMENTAL ENVIRONMENTAL INTEREST DATA:

Supp Info Sys ID & Name: --ICIS/ Integrated Compliance Information System  
Supp Data Source: ICIS/ Integrated Compliance Information System  
Supp Interest Type: ENFORCEMENT/COMPLIANCE ACTIVITY  
Supp Interest Start Dt:      ACTUAL ACTIVITY DATE  
Supp Interest End Dt:  
Last Rpt Dt:      Create Dt: 6/1/2011      Update Dt:



# USEPA FACILITY REGISTRY SYSTEM

(FRS)

Report Date: 9/16/2022

FRS Page 2 of 2

## FACILITY ID NUMBER, NAME AND LOCATION

110035633062  
BROAD CAUSEWAY WEST RELIEF BRIDGE - R  
NE 123RD STREET BROAD CAUSEWAY WEST RELIEF  
TOWN OF BAY HARBOR ISLAND, FL 33154

## MAP ID NUMBER:

4

FRS

Dist (Miles): 0.07  
Direction: W  
Elev (Ft): 1.00  
Elev vs Sub Prop: Lower

Fed Fac ?      Fed Agcy:      Tribal Fac?:      Tribal Agcy:  
Site Type: STATIONARY      Location Descr:  
Create Dt: 4/24/2008      Update Dt:

[FRS FACILITY DETAIL ON LINE REPORTS](#) (May Not Be Available For All Records)

## ENVIRONMENTAL INTEREST DATA:      Activity Status:

Info Sys ID & Name: 28126--FDM/ Florida - Fiesta Data Maintenance

Data Source: STATE--FLORIDA DEP/ FLORIDA DEP

Interest Type: STATE MASTER

Interest Start Dt:

Interest End Dt:

Last Rpt Dt:      Create Dt: 4/24/2008      Update Dt: 12/8/2008

NAICS CODE: / --

SIC CODE: / --

## SUPPLEMENTAL ENVIRONMENTAL INTEREST DATA:

Supp Info Sys ID & Name: --/

Supp Data Source: /

Supp Interest Type:

Supp Interest Start Dt:

Supp Interest End Dt:

Last Rpt Dt:      Create Dt:      Update Dt:



# USEPA ICIS-NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Report Date: 9/16/2022

NPDES Page 1 of 1

**FRS ID NUMBER, NAME AND LOCATION:**

110022415242  
 BROAD CAUSEWAY WEST RELIEF BRI  
 NE 123RD STREETBROAD CAUSEWAY WEST RELIEF  
 TOWN OF BAY HARBOR ISLA, FL 33154

**NPDES ID No:** FLR10AJ00  
**ICIS FAC INTEREST ID:** 2400015817  
**Permit Name:** BROAD CAUSEWAY WEST RELIEF BR1  
**Fac Type:** NON-POTW/Privately Owned Facility  
**SIC Code:** -  
**NAICS Code:** -

**MAP ID NUMBER:**

**Dist (Miles):** 0.07  
**Direction:** W  
**Elev (Ft):** 1.00  
**Elev vs Sub Prop:** Lower

4  
NPDES

**PERMIT DATA**

<b>Permit Type:</b> General Permit Covered Facility	<b>Permit Agency:</b>
<b>Permit Status:</b> Terminated	<b>Permit Org Iss:</b> 05/12/2005
<b>Maj/Mnr Disch:</b> Minor	<b>Permit Iss:</b> 05/12/2005
<b>Des Flow(MGD):</b>	<b>Permit Eff:</b> 05/12/2005
<b>Avg Flow(MGD)</b>	<b>Permit Exp:</b> 05/11/2010
<b>Disch Waterbody:</b>	<b>Permit Trm:</b> 05/07/2012
	<b>Permit Ret:</b>

**INSPECTION DATA**

**PERMIT VIOLATION DATA**

**DISCH MON RPT VIOLATIONS**

**COMPL SCHEDULE VIOLATIONS**

**SINGLE EVENT VIOLATIONS**

**ENFORCEMENT**



# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 9/16/2022

ECHO Page 1 of 2

### FRS ID NUMBER, NAME AND LOCATION:

110022415242  
BROAD CAUSEWAY WEST RELIEF BRI  
NE 123RD STREETBROAD CAUSEWAY  
TOWN OF BAY HARBOR ISLA, FL 33154

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: MIAMI-DADE  
AGENCY LAT/LON: 25.885944/ -80.127528

### MAP ID NUMBER:

Dist (Miles): 0.07  
Direction: W  
Elev (Ft): 1.00  
Elev vs Sub Prop: Lower

4

E  
C  
H  
O

**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: 12086  
HUC CODE: 03090202  
AIR NAA? N  
WBD CODE: 030902061406  
CONG DIST: 23  
CENSUS BLK: 12086003804100  
MAJ FAC?:  
ACTV PERM?:  
% MINORITY WITHIN 3 MI: 68.448  
POP /SQ MI WITHIN 3 MI: 8190.04  
TRIBAL WITHIN 25 MI: Seminole Tribe of Florida - 11.4 mile(s), Seminole Tribe of Florida - 15.7 mile(s), Miccosukee Tribe of Indians - 23.4 mile(s), Miccosukee Tribe of Indians - 23.7 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 :

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

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:

### 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: FLR10AJ00  
CWA PERMIT TYPE: Minor  
NAICS CODE:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:

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



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 9/16/2022

ECHO Page 2 of 2

### SIC CODE:

CWA QTRS NONCMPL LAST 5 YRS: 0

CWA INSPS IN LAST 5 YRS:

CWA 3YR QRTS EFFL EXCEED:

CWA DAYS LAST INSPN:

# CWA INFORMAL ENF ACTS LAST 5 YRS:

# CWA FORMAL ENF ACTS LAST 5 YRS:

CWA DATE LAST FORMAL ACTION:

### RCRIS INFO:

RCRA ID:

RCRA TOTAL PENALTIES:

RCRA CURR COMPL:

RCRA PERMIT TYPE:

RCRA LAST PENALTY DATE:

RCRA CURR HPV/SNC FLAG: N

NAICS CODE:

RCRA LAST PENALTY AMT:

RCRA 3YR QRTL COMPL STATU

RCRA INSPS IN LAST 5 YRS:

RCRA QTRS NONCMPL 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:

### SDWA INFO:

### TRIS INFO:

### FED ENF INFO:

SDWA ID:

TRIS ID:

SDWA SYST TYPE:

TRIS TOTAL LBS ONSITE/OFFSITE:

TOTAL FEC CASES 5 YRS:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

TRIS LBS REL ONSITE:

FEC LAST DATE:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

TRIS LBS TXFR OFFSITE:

FEC TOTAL PENLTY:

SDWA CURR COMPL:

TRIS PAST RPTS?:

SDWA CURR HPV/SNC FLAG: N

GRN HOUSE GAS INFO: GHG ID:

GHG EMISSIONS MT: N



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# USEPA/USCG-NATIONAL RESPONSE CENTER EMERGENCY RESPONSE NOTIFICATION SYSTEM LIST

(ERNS)

Report Date: 9/16/2022

ERNS Page 1 of 1

**INCIDENT ID NUMBER AND LOCATION:**

449438  
  
12405 KEYSTONE ISLAND DR  
NORTH MIAMI, FL 33181

**RESPONSIBLE PARTY**

ORG TYPE:  
.  
RPT RCVD:  
ENTRY CMPLT:  
CALL TYPE:

**MAP ID NUMBER:**

Dist (Miles): 0.13  
Direction: W  
Elev (Ft): 0.66  
Elev vs Sub Prop: Lower

5

E  
R  
N  
S

COUNTY: DADE  
AGNCY LAT: --  
AGNCY LON: --  
AGNCY STR: --

STATE AGENCY NOTIFIED:  
FED AGENCY NOTIFIED:  
STATE AGENCY ON SCENE:  
STATE AGENCY RPT NO:

**INCIDENT DATE AND TIME:**

8/13/1995

**MATERIAL AND QUANTITY SPILLED:**

UNKNOWN OIL 0 UNK

CHRIS CODE: -

CAS NO:

UN NO:

IF REACHED WATER:

AMT IN WATER:

CONT RELEASE UPPER BOUNDS: /

**TYPE OF INCIDENT:** UNKNOWN

**INCIDENT CAUSE:**

**INCIDENT DTG:**

**MEDIA AFFECTED:** WATER

BISCAYNE BAY

**DESCRIPTION:** CALLER STATES THAT BLACK OIL IS ALONG THE SEA WALL BEHIND RESIDENCE / SOURCE AND CAUSE ARE UNKNOWN  
**RESPONSE:** NONE

**ADDL INFO:** SHEEN SIZE: 30FT X 1MILE / COLOR: RAINBOW WITH BLACK SPOTS

**INCIDENT DETAILS:**

FIRE ?:	INJURIES?:	AIRWAY CLOSED?:	REL SECURED?:
FIRE EXT?:	NUM INJURED:	WATERWAY CLOSED?:	EST DURATION:
EVAC?:	NUM HOSP:	ROAD CLOSED?:	REL RATE: /
NUM EVAC:	FATAL ?:	TRACK CLOSED?:	DIST-DIR FROM CITY:
RAD OF EVAC:	NUM FATAL:	BODY OF WATER:	
WHO EVACUATED:	DAMAGES?:	TRIBUTARY OF:	
	DAMAGE AMT:		

**MOBILE DETAILS:**

MOBILE TYPE:	VEH FUEL CAP:	CARGO CAP:	AMT ON BOARD:
HAZMAT CARRIER:	CARRIER LIC:	NONCOMPL WITH HAZMAT:	VEHICLE NO:
			TRAILER NO:

**TRAIN DETAILS:**

TRAIN ID:	RAILROAD NAME:	TRAIN TYPE:	TRACK SPEED:	TRAIN SPEED:	TRAIN DIR:
NO OF LOCOMOTIVES:	NO OF CARS:	NO DERAILED:	NONCOMPL WITH HAZMAT:		

**DERAILED UNITS:**



# USEPA FACILITY REGISTRY SYSTEM

(FRS)

Report Date: 9/16/2022

FRS Page 1 of 1

## FACILITY ID NUMBER, NAME AND LOCATION

FLD981011844 --HISTORICAL ENTRY--  
LEVITCH STANLEY  
1251 98TH ST  
MIAMI BEACH, FL 33154

## MAP ID NUMBER:

6

FRS

Dist (Miles): 0.16  
Direction: NE  
Elev (Ft): 1.09  
Elev vs Sub Prop: Lower

Fed Fac ?      Fed Agcy:      Tribal Fac?:      Tribal Agcy:  
Site Type:      Location Descr:  
Create Dt:      Update Dt:

[FRS FACILITY DETAIL ON LINE REPORTS](#) (May Not Be Available For All Records)

## ENVIRONMENTAL INTEREST DATA:      Activity Status:

Info Sys ID & Name: --/  
Data Source: --/  
Interest Type:  
Interest Start Dt:  
Interest End Dt:  
Last Rpt Dt:      Create Dt:      Update Dt:  
NAICS CODE: / --  
SIC CODE: / --

## SUPPLEMENTAL ENVIRONMENTAL INTEREST DATA:

Supp Info Sys ID & Name: --/  
Supp Data Source: /  
Supp Interest Type:  
Supp Interest Start Dt:  
Supp Interest End Dt:  
Last Rpt Dt:      Create Dt:      Update Dt:



# USEPA FACILITY REGISTRY SYSTEM

(FRS)

Report Date: 9/16/2022

FRS Page 1 of 1

## FACILITY ID NUMBER, NAME AND LOCATION

110056992269  
COMMUNITY ENHANCEMENT PROJECT - PHASE  
BROADVIEW TERRACE & 99TH ST  
BAY HARBOR ISLANDS, FL 33154

## MAP ID NUMBER:

7

FRS

Dist (Miles): 0.17  
Direction: NE  
Elev (Ft): 1.00  
Elev vs Sub Prop: Lower

Fed Fac ?      Fed Agcy:      Tribal Fac?:      Tribal Agcy:  
Site Type: STATIONARY      Location Descr:  
Create Dt: 2/9/2014      Update Dt: 1/11/2016

[FRS FACILITY DETAIL ON LINE REPORTS](#) (May Not Be Available For All Records)

## ENVIRONMENTAL INTEREST DATA:      Activity Status: TERMINATED

Info Sys ID & Name: FLR10IB79--NPDES/ National Pollutant Discharge Elimination System  
Data Source: FEDERAL--ICIS/ Integrated Compliance Information System  
Interest Type: ICIS-NPDES NON-MAJOR  
Interest Start Dt:  
Interest End Dt: 12/9/2015      PERMIT TERMINATION DATE  
Last Rpt Dt:      Create Dt: 2/9/2014      Update Dt: 9/3/2016  
NAICS CODE: / --  
SIC CODE: / --

## SUPPLEMENTAL ENVIRONMENTAL INTEREST DATA:

Supp Info Sys ID & Name: --ICIS/ Integrated Compliance Information System  
Supp Data Source: ICIS/ Integrated Compliance Information System  
Supp Interest Type: ENFORCEMENT/COMPLIANCE ACTIVITY  
Supp Interest Start Dt:      ACTUAL ACTIVITY DATE  
Supp Interest End Dt:  
Last Rpt Dt:      Create Dt: 2/10/2014      Update Dt:



# USEPA ICIS-NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

Report Date: 9/16/2022

NPDES Page 1 of 1

## FRS ID NUMBER, NAME AND LOCATION:

110056992269  
COMMUNITY ENHANCEMENT PROJECT - PHASE  
BROADVIEW TERRACE & 99TH ST  
BAY HARBOR ISLANDS, FL 33154

NPDES ID No: FLR10IB79  
ICIS FAC INTEREST ID: 3400064675  
Permit Name: Town of Bay Harbor Islands  
Fac Type: NON-POTW/Private Owned Facility  
SIC Code: -  
NAICS Code: -

## MAP ID NUMBER:

Dist (Miles): 0.17  
Direction: NE  
Elev (Ft): 1.00  
Elev vs Sub Prop: Lower

7

NPDES

## PERMIT DATA

Permit Type: General Permit Covered Facility  
Permit Status: Terminated  
Maj/Mnr Disch: Minor  
Des Flow(MGD):  
Avg Flow(MGD)  
Disch Waterbody:

Permit Agency: Florida Department of Environmental Protection  
Permit Org Iss: 04/10/2009  
Permit Iss: 04/10/2009  
Permit Eff: 04/10/2009  
Permit Exp: 04/09/2014  
Permit Trm: 12/09/2015  
Permit Ret:

## INSPECTION DATA

## PERMIT VIOLATION DATA

## DISCH MON RPT VIOLATIONS

## COMPL SCHEDULE VIOLATIONS

## SINGLE EVENT VIOLATIONS

## ENFORCEMENT



# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 9/16/2022

ECHO Page 1 of 2

### FRS ID NUMBER, NAME AND LOCATION:

110056992269  
COMMUNITY ENHANCEMENT PROJECT - PHASE II  
BROADVIEW TERRACE & 99TH ST  
BAY HARBOR ISLANDS, FL 33154

EPA REG: 04  
TRIBAL?: N  
FED FAC?:  
COUNTY: MIAMI-DADE  
AGENCY LAT/LON: 25.889/ -80.13679

### MAP ID NUMBER:

Dist (Miles): 0.17  
Direction: NE  
Elev (Ft): 1.00  
Elev vs Sub Prop: Lower

7

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: 12086  
HUC CODE: 03090202  
AIR NAA? N  
WBD CODE: 030902061406  
CONG DIST: 23  
CENSUS BLK: 12086003801400  
MAJ FAC?:  
ACTV PERM?:  
% MINORITY WITHIN 3 MI: 71.56  
POP /SQ MI WITHIN 3 MI: 7956.19  
TRIBAL WITHIN 25 MI: Seminole Tribe of Florida - 11 mile(s),  
Seminole Tribe of Florida - 15.4 mile(s),  
Miccosukee Tribe of Indians - 22.9 mile(s),  
Miccosukee Tribe of Indians - 23.2 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 :

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

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:

### 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 QRTLTY COMPL STATUS:

### CLEAN WATER ACT INFO:

NPDES ID: FLR101B79  
CWA PERMIT TYPE: Minor  
NAICS CODE:

CWA TOTAL PENALTIES:  
CWA LAST PENALTY DATE:  
CWA LAST PENALTY AMT:

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



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# USEPA ENFORCEMENT AND COMPLIANCE HISTORY

## (ECHO)

Report Date: 9/16/2022

ECHO Page 2 of 2

### SIC CODE:

CWA QTRS NONCMPL LAST 5 YRS: 0

CWA INSPS IN LAST 5 YRS:

CWA 3YR QRTS EFFL EXCEED:

CWA DAYS LAST INSPN:

# CWA INFORMAL ENF ACTS LAST 5 YRS:

# CWA FORMAL ENF ACTS LAST 5 YRS:

CWA DATE LAST FORMAL ACTION:

### RCRIS INFO:

RCRA ID:

RCRA TOTAL PENALTIES:

RCRA CURR COMPL:

RCRA PERMIT TYPE:

RCRA LAST PENALTY DATE:

RCRA CURR HPV/SNC FLAG: N

NAICS CODE:

RCRA LAST PENALTY AMT:

RCRA 3YR QRTL COMPL STATU

RCRA INSPS IN LAST 5 YRS:

RCRA QTRS NONCMPL 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:

### SDWA INFO:

### TRIS INFO:

### FED ENF INFO:

SDWA ID:

TRIS ID:

SDWA SYST TYPE:

TRIS TOTAL LBS ONSITE/OFFSITE:

TOTAL FEC CASES 5 YRS:

# SDWA INFORMAL ENF ACTS LAST 5 YRS:

TRIS LBS REL ONSITE:

FEC LAST DATE:

# SDWA FORMAL ENF ACTS LAST 5 YRS:

TRIS LBS TXFR OFFSITE:

FEC TOTAL PENLTY:

SDWA CURR COMPL:

TRIS PAST RPTS?:

SDWA CURR HPV/SNC FLAG: N

GRN HOUSE GAS INFO: GHG ID:

GHG EMISSIONS MT: N



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# FDEP SOLID WASTE FACILITIES LIST

## (SLDWST)

Report Date: 9/16/2022

SLDWST Page 1 of 1

### FACILITY ID, NAME AND LOCATION:

105012  
TOWN OF BAY HARBOR ISLANDS  
SOUTH OF 97 ST AND W. OF W. BAY HARBOR DR  
BAY HARBOR ISLANDS, FL 33154

DISTRICT SED  
COUNTY MIAMI-DADE  
SEC/TWN/RN //  
AGENCY LAT: 25:53:15.3702  
AGENCY LON: 80:7:57.4002

### MAP ID NUMBER:

Dist (Miles): 0.26  
Direction: E  
Elev (Ft): 1.62  
Elev vs Sub Prop: Lower

8

SLDWST

### RESP AUTHORITY:

TOWN OF BAY HARBOR ISLANDS  
9665 BAY HARBOR TERRACE  
BAY HARBOR ISLAN, FL 33154  
3058666241

### SITE CONTACT:

### LAND OWNER:

**FACILITY CLASS:** 910/DISASTER DEBRIS MANAGEMENT SITE

**CLASS STATUS:** NFA,NO FURTHER ACTION (F)

**FACILITY CLASS:** 910 /DISASTER DEBRIS MANAGEMENT SITE

**CLASS STATUS:** NFA,NO FURTHER ACTION (F)

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

[FDEP INFORMATION PORTAL ON LINE REPORTS](#) (May Not Be Available For All Records)



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

**(STCERC)**

Report Date: 9/16/2022

STCERC Page 1 of 2

**FACILITY NAME AND LOCATION:**

**-HISTORICAL ENTRY-**

Als One Hour Cleaner  
2184 NE 123rd St  
N Miami, FL

**AGENCY SITE LAT/LON:**  
25.889238637102  
-80.15418445471

**MAP ID NUMBER:**

Dist (Miles): 0.31  
Direction: W  
Elev (Ft): 0.37  
Elev vs Sub Prop: Lower

9

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:** 139500540  
**ALT SITE NO:**  
**DISTRICT:** SD

**FDER SITES LIST INFO:**

**SITE NO:**  
**LEAD UNIT:**  
**PRJ MGR:**  
**ATTY:**  
**SUP UNIT:**  
**STATUS:**  
**STATUS DATE:**

**CLEANUP SITES INFO:**

**SRC DATA ID:**  
**SRC DATA PGM:**  
**PGM AREA:**  
**CLNP CAT:**  
**REM STATUS:**  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:**  
**PROGRAM:**  
**PROGRAM STATUS:**  
**OFFSITE COMTAM KEY:**

**ERIC ID NO:**

**SRC FAC NAME:**

**PROGRAM TYPE:**  
**SITE PHASE DESCR:**  
**ICR ?:**

**SITE NAME:**

**SITE STATUS:**

**DISCHARGE DATE:**

**FACILITY NAME AND LOCATION:**

ALS 1 HOUR CLEANERS ALS ONE HOUR CLEANER  
2184 NE 123RD ST  
NORTH MIAMI, FL 33181

**AGENCY SITE LAT/LON:**  
25.889102418572  
-80.15418007807

**MAP ID NUMBER:**

Dist (Miles): 0.31  
Direction: W  
Elev (Ft): 0.37  
Elev vs Sub Prop: Lower

9

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**  
**ALT SITE NO:**  
**DISTRICT:** SED

**FDER SITES LIST INFO:**

**SITE NO:**  
**LEAD UNIT:**  
**PRJ MGR:**  
**ATTY:**  
**SUP UNIT:**  
**STATUS:**  
**STATUS DATE:**

**CLEANUP SITES INFO:**

**SRC DATA ID:**  
**SRC DATA PGM:**  
**PGM AREA:**  
**CLNP CAT:**  
**REM STATUS:**  
**COMMENTS:**



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

**(STCERC)**

Report Date: 9/16/2022

STCERC Page 2 of 2

**ERIC WASTE CLEANUP SITES INFO:** **ERIC ID NO:** ERIC\_14133 **SITE NAME:** ALS 1 HOUR CLEANERS ALS ONE HOUR CLEANER

**SRC FAC ID:** 51774 **SRC FAC NAME:** San Souci Dry Cleaners **SITE STATUS:** CLOSED

**PROGRAM:** Responsible Party Cleanup **PROGRAM TYPE:** RESPONSPARTY **DISCHARGE DATE:**

**PROGRAM STATUS:** COMPLETE **SITE PHASE DESCR:** Phase 1 - Initial Assessment

**OFFSITE COMTAM KEY:** CONTAMUNKNOWN **ICR ?:** N

**FACILITY NAME AND LOCATION:**

Als One Hour Cleaner  
2184 NE 123rd St  
North Miami, FL 33181

**AGENCY SITE LAT/LON:**  
25.889233916497  
-80.15418177816

**MAP ID NUMBER:**

9

STCERC

**Dist (Miles):** 0.31  
**Direction:** W  
**Elev (Ft):** 0.37  
**Elev vs Sub Prop:** Lower

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

<b>SITE INVESTIGATION SECTION INFO:</b>	<b>FDER SITES LIST INFO:</b>	<b>CLEANUP SITES INFO:</b>
<b>SITE NO:</b>	<b>SITE NO:</b>	<b>SRC DATA ID:</b>
<b>ALT SITE NO:</b>	<b>LEAD UNIT:</b>	<b>SRC DATA PGM:</b>
<b>DISTRICT:</b> SED	<b>PRJ MGR:</b>	<b>PGM AREA:</b>
	<b>ATTY:</b>	<b>CLNP CAT:</b>
	<b>SUP UNIT:</b>	<b>REM STATUS:</b>
	<b>STATUS:</b>	<b>COMMENTS:</b>
	<b>STATUS DATE:</b>	

**ERIC WASTE CLEANUP SITES INFO:** **ERIC ID NO:** ERIC\_4334 **SITE NAME:** Als One Hour Cleaner

**SRC FAC ID:** 9500540 **SRC FAC NAME:** SAI DRY CLEANERS **SITE STATUS:** ONHOLD

**PROGRAM:** Drycleaning Solvent Cleanup Program **PROGRAM TYPE:** DRYCLEANING **DISCHARGE DATE:**

**PROGRAM STATUS:** AWAITFUND **SITE PHASE DESCR:** Phase 1 - Initial Assessment

**OFFSITE COMTAM KEY:** CONTAMUNKNOWN **ICR ?:** N



# FDEP VOLUNTARY CLEANUP SITES

## (VOLCLNUP)

Report Date: 9/16/2022

VOLCLNUP Page 1 of 1

### FACILITY ID NUMBER, NAME AND LOCATION:

57946 --HISTORICAL ENTRY--  
ALS 1 HOUR CLEANERS ALS ONE HOUR CLEANER  
2184 NE 123RD ST  
NORTH MIAMI, FL 33181

COUNTY: MIAMI-DADE  
DISTRICT:  
AGENCY LAT:  
AGENCY LON:

### MAP ID NUMBER:

9

Dist (Miles): 0.31  
Direction: W  
Elev (Ft): 0.37  
Elev vs Sub Prop: Lower

VOLCLNUP

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

### BSRA DATA

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

### WASTE CLEANUP DATA

PROJ ID: 101960 OGC NO: STATUS: CLOSED PRIORITY SCORE: INIT DATA RCVD: 10/14/1996  
CONTAMINANTS: Comments forwarded to Tallahassee for eligibility determination.  
OFFSITE CONTAM?: FEATURE:

### FACILITY ID NUMBER, NAME AND LOCATION:

ERIC\_14133  
ALS 1 HOUR CLEANERS ALS ONE HOUR CLEANER  
2184 NE 123RD ST  
NORTH MIAMI, FL 33181

COUNTY: Miami-Dade  
DISTRICT: SED  
AGENCY LAT: 25.8891024185715  
AGENCY LON: -80.1541800780738

### MAP ID NUMBER:

9

Dist (Miles): 0.31  
Direction: W  
Elev (Ft): 0.37  
Elev vs Sub Prop: Lower

VOLCLNUP

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

### ERIC WASTE CLEANUP DATA

SOURCE FAC ID NO: 51774 SOURCE FAC NAME: San Souci Dry Cleaners SITE STATUS: CLOSED  
PROGRAM: Responsible Party Cleanup PROGRAM STATUS: COMPLETE SITE MANAGER: La Smith  
DISCH DATE: OFFSITE CONTAM KEY?: CONTAMUNKNOWN INST CONTROL?: N SITE PHASE: Phase 1 - Initial Assessment

### BSRA DATA

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

### WASTE CLEANUP DATA

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



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# FDEP DRY CLEANING FACILITIES LIST

Report Date: 9/16/2022

(DRY)

DRY Page 1 of 1

**FACILITY ID NUMBER, NAME AND LOCATION**

9500540  
 SAI DRY CLEANERS  
 2184 NE 123RD ST  
 NORTH MIAMI, FL 33181

**Facility Telephone** (305)801-4493  
**Fac Status** OPEN  
**Facility Type** 1 - Drycleaner  
**PRIORITY RANKING:** **Rank:** 455  
**Score:** 30

**MAP ID NUMBER:**

**Dist (Miles):** 0.31  
**Direction:** W  
**Elev (Ft):** 0.37  
**Elev vs Sub Prop:** Lower

9
DRY

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

**RELATED PARTY TYPE:** **FACILITY OWNER**    **RP ID** 38752    **Start Date** 5/12/1970    **RP Contact:** ABDULRAHIM DHANANI (305) 893-5201  
 SINCERE TRADING INC-- 2184 NE 123RD ST    NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **ACCOUNT OWNER**    **RP ID** 38752    **Start Date** 5/12/1970    **RP Contact:** ABDULRAHIM DHANANI (305) 893-5201  
 SINCERE TRADING INC-- 2184 NE 123RD ST    NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **PROPERTY OWNER**    **RP ID** 41049    **Start Date** 7/20/1995    **RP Contact:** ALAN KORNBLUH (305) 893-8272  
 KORNBLUH REALTY INC-- 12000 BISCAYNE BLVD #218    MIAMI, FL 33181

**RELATED PARTY TYPE:** **FACILITY OWNER**    **RP ID** 66056    **Start Date** 6/7/2010    **RP Contact:** SUNIL KURANI (305)801-4493  
 SAI DRY CLEANERS-- 2184 NE 123RD STREET    NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **ACCOUNT OWNER**    **RP ID** 66056    **Start Date** 6/7/2010    **RP Contact:** SUNIL KURANI (305)801-4493  
 SAI DRY CLEANERS-- 2184 NE 123RD STREET    NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **PROPERTY OWNER**    **RP ID** 66057    **Start Date** 6/7/2010    **RP Contact:** (305)893-8272  
 CAUSEWAY PLAZA LLC-- 1200 BISCAYNE BLVD #218    MIAMI, FL 33138

**DRY CLEANER CLEANUP PROGRAM DATA:**

**Facility Name:** Als One Hour Cleaner  
**Address:** 2184 NE 123rd St  
**City:** North Miami  
**County:** MIAMI-DADE  
**District:** SED  
**Agcy Lat/Lon:** 25.8892386331327/-80.1541844499291

**ERIC ID:** ERIC\_4334  
**Program:** DRYCLEANING  
**Manager:**  
**Status:** ONHOLD

**On Line Documents:** [https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC\\_4334/gis-facility!search](https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_4334/gis-facility!search)



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

**(STCERC)**

Report Date: 9/16/2022

STCERC Page 1 of 1

**FACILITY NAME AND LOCATION:**

DADE CNTY SCHOOL BD-BAY HARBOR ELEM  
1165 94TH ST  
MIAMI BEACH, FL 33154-2306

**AGENCY SITE LAT/LON:**

25.884758827168  
-80.13221219308

**MAP ID NUMBER:**

10

Dist (Miles): 0.33  
Direction: E  
Elev (Ft): 3.10  
Elev vs Sub Prop: Higher

S  
T  
C  
E  
R  
C

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**  
ALT SITE NO:  
DISTRICT: SED

**FDER SITES LIST INFO:**

**SITE NO:**  
LEAD UNIT:  
PRJ MGR:  
ATTY:  
SUP UNIT:  
STATUS:  
STATUS DATE:

**CLEANUP SITES INFO:**

**SRC DATA ID:** 8842345  
**SRC DATA PGM:** STCM  
**PGM AREA:** TK  
**CLNP CAT:** PETRO  
**REM STATUS:** ACTIVE  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:**  
**PROGRAM:**  
**PROGRAM STATUS:**  
**OFFSITE COMTAM KEY:**

**ERIC ID NO:**

**SRC FAC NAME:**

**PROGRAM TYPE:**  
**SITE PHASE DESCR:**  
**ICR ?:**

**SITE NAME:**

**SITE STATUS:**

**DISCHARGE DATE:**



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 1 of 3

**FACILITY ID NUMBER, NAME AND LOCATION**

8842345  
DADE CNTY SCHOOL BD-BAY HARBOR ELEM  
1165 94TH ST  
MIAMI BEACH, FL 33154-2306

**OWNERSHIP INFO:**

ACCOUNT OWNER  
MIAMI-DADE CNTY PUBLIC SC  
12525 NW 28TH AVE ATTN: STORAG  
MIAMI, FL 33167-2507  
(305)995-4011  
COUNTY ID: 13 MIAMI-DADE  
AGCY LAT/LON(DMS): 25,53,5.1148 80,7,55.9543  
FAC OPERATOR: ARLENE C ORTENZO, PRINCIPAL  
FAC TEL #: (305)865-7912

**MAP ID NUMBER:**

Dist (Miles): 0.33  
Direction: E  
Elev (Ft): 3.10  
Elev vs Higher  
Sub Prop:

10

LUST

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

**FAC STATUS:** CLOSED      **FAC TYPE:** H - Local Government

**SCORE** 12      **SCORE EFF DT:** 11/4/1997      **RANK:** 7728      **SCORE WHEN RANKED:** 12

**DISCHARGE INFORMATION**

**DISCHARGE DATE:** 11/16/1988

Mapid: 10

**INSPECTION DATE:**

**CLEANUP WORK STATUS:** ACTIVE

**CLEANUP REQUIRED** R - CLEANUP REQUIRED

**CLEANUP COMBINED:**

**INFO SOURCE:** E - EDI

**DISCH CLNUP STATUS:** 1/17/1990 SA - SA ONGOING

**CONTAMINATED MEDIA?:** SOIL: Y    SUR WATER: N    GR WATER: Y    MON WELL: Y    # DW WELLS CONTAMINATED: 0

**POLLUTANT :** Y - Unknown/Not Reported

GALLONS                      OTHER

**CLEANUP INFORMATION**

Mapid: 10

**PGM ELIG OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**PGM ELIG SCORE:** 12

**PGM ELIG SCORE EFF DT:**

**PGM ELIG R**

**ELIG STAT:** ELIGIBLE

**ELIG STAT DT:**

**APPL RCVD:**

**LOI:**

**ELIG LTR SNT:**

**REDETERM:**

**DEDUCT AMT:**

**DEDUCT PD TO DT:**

**COPAY AMT:**

**COPAY TO DT:**

**CAP AMT:** 0

**CLNUP PROG:** E - EARLY DETECTION INCEN

**CLNUP OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**SITE ASSESSMENT\***

**CLNP RESP:** RP - RESPONSIBLE PARTY

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:** 05-29-1991

**PAYMENT DATE:** 03-10-1993

**ACTUAL COST:** \$27,692.42

**REMEDIAL ACTION PLAN\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ORDER APPRV DATE:**

**ACTUAL COMPL DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COST:**

**YEARS TO COMPL:**

**SITE REHABILITATION COMPLETION REPORT\***

**ACTION TYPE:** -

**SUBMIT DATE:**

**REVIEW DATE:**

**ISSUE DATE:**

**COMPL STATUS:** -

**COMPL STATUS DT:**

**COMMENTS:**

**SOURCE REMOVAL\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**FREE PRODUCT REMOVAL?(Y/N):**

**SOIL REMOVAL?(Y/N):**

**SOIL TONNAGE REMOVED:**

**SOIL TREATMENT?(Y/N):**

**OTHER TREATMENT?:**

**ALT PROC STATUS:**

**ALT PROC STATUS DT:**

**ALT PROC COMMENT:**

\* Data current as of November 2019



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 2 of 3

### DISCHARGE INFORMATION

DISCHARGE DATE: 12/7/1988

Mapid: 10

INSPECTION DATE: CLEANUP WORK STATUS: ACTIVE  
CLEANUP REQUIRED R - CLEANUP REQUIRED CLEANUP COMBINED:  
INFO SOURCE: D - DISCHARGE NOTIFICATION  
DISCH CLNUP STATUS: 10/9/2000 DNR - DISCHARGE NOTIFICATION RECEIVED  
CONTAMINATED MEDIA?: SOIL: SUR WATER: GR WATER: MON WELL: # DW WELLS CONTAMINATED:  
POLLUTANT: - GALLONS OTHER

### CLEANUP INFORMATION

Mapid: 10

PGM ELIG OFF: PCTM4 - PETROLEUM CLEANUP TEAM 4 - ATC  
PGM ELIG SCORE: 12 PGM ELIG SCORE EFF DT: PGM ELIG R  
ELIG STAT: NOT ELIGIBLE ELIG STAT DT: APPL RCVD: LOI: ELIG LTR SNT: REDETERM:  
DEDUCT AMT: DEDUCT PD TO DT: COPAY AMT: COPAY TO DT: CAP AMT: 0  
CLNUP PROG: C - PETROLEUM CLEANUP PA CLNUP OFF: PCTM4 - PETROLEUM CLEANUP TEAM 4 - ATC

#### SITE ASSESSMENT\*

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

#### REMEDIAL ACTION PLAN\*

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

#### REMEDIAL ACTION\*

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

#### SITE REHABILITATION COMPLETION REPORT\*

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

#### SOURCE REMOVAL\*

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

\* Data current as of November 2019



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 9/16/2022

LUST Page 3 of 3

## TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:	10
<p>8842345                      DADE CNTY SCHOOL BD-BAY HARBOR ELEM                      1165 94TH ST                      MIAMI BEACH, FL 33154</p>	<p>MIAMI-DADE CNTY PUBLIC SCH                      12525 NW 28TH AVE ATTN: STORAGE                      MIAMI, FL 33167                      CONTACT TEL #: 3059954011                      CONTACT: MIAMI-DADE CNTY PUBLIC SCH                      FACILITY TEL #: 3058657912                      COUNTY ID: 13 MIAMI-DADE</p>	<p>Dist (Miles): 0.33                      Direction: E                      Elev (Ft): 3.10                      Elev vs Sub Prop: Higher</p>	<div style="writing-mode: vertical-rl; text-orientation: mixed; font-weight: bold; font-size: 2em;">T A N K S</div>
<p><a href="#">FDEP INFORMATION PORTAL ON LINE DOCUMENTS</a> (May Not Be Available For All Records)</p>			
<p><b>FAC STATUS:</b> CLOSED      <b>FAC TYPE:</b> Local Government</p>			
<p><b>TANK #:</b> 1      <b>TANK VOL(GALS):</b> 1000</p>	<p><b>INST.DATE:</b>      <b>TANK CONTENTS:</b> Fuel Oil - Onsite Heat</p>	<p><b>TANK POSITION:</b> UNDERGROUND</p>	<p><b>TANK STATUS (as of...):</b> REMOVED FROM SITE 01-Jun-1990</p>
<p><b>CONSTRUCTION TYPE:</b> UNKNOWN</p>			
<p><b>PIPING TYPE:</b></p>			
<p><b>LEAK MONITORING:</b> MANUALLY SAMPLED WELLS</p>			



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

(STCERC)

Report Date: 9/16/2022

STCERC Page 1 of 2

**FACILITY NAME AND LOCATION:**

**-HISTORICAL ENTRY-**

The Dry Cleaner  
2170 NE 123rd St  
N Miami, FL

**AGENCY SITE LAT/LON:**  
25.889339575542  
-80.15495630791

**MAP ID NUMBER:**

11

Dist (Miles): 0.34  
Direction: W  
Elev (Ft): 0.33  
Elev vs Sub Prop: Lower

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:** 139500168  
**ALT SITE NO:**  
**DISTRICT:** SD

**FDER SITES LIST INFO:**

**SITE NO:**  
**LEAD UNIT:**  
**PRJ MGR:**  
**ATTY:**  
**SUP UNIT:**  
**STATUS:**  
**STATUS DATE:**

**CLEANUP SITES INFO:**

**SRC DATA ID:**  
**SRC DATA PGM:**  
**PGM AREA:**  
**CLNP CAT:**  
**REM STATUS:**  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:**  
**PROGRAM:**  
**PROGRAM STATUS:**  
**OFFSITE COMTAM KEY:**

**ERIC ID NO:**

**SRC FAC NAME:**

**PROGRAM TYPE:**  
**SITE PHASE DESCR:**  
**ICR ?:**

**SITE NAME:**

**SITE STATUS:**

**DISCHARGE DATE:**

**FACILITY NAME AND LOCATION:**

DRY CLEANER  
2170 NE 123RD ST  
NORTH MIAMI, FL

**AGENCY SITE LAT/LON:**  
25.889122477366  
-80.15507274258

**MAP ID NUMBER:**

11

Dist (Miles): 0.34  
Direction: W  
Elev (Ft): 0.33  
Elev vs Sub Prop: Lower

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**  
**ALT SITE NO:**  
**DISTRICT:** SED

**FDER SITES LIST INFO:**

**SITE NO:**  
**LEAD UNIT:**  
**PRJ MGR:**  
**ATTY:**  
**SUP UNIT:**  
**STATUS:**  
**STATUS DATE:**

**CLEANUP SITES INFO:**

**SRC DATA ID:**  
**SRC DATA PGM:**  
**PGM AREA:**  
**CLNP CAT:**  
**REM STATUS:**  
**COMMENTS:**



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

(STCERC)

Report Date: 9/16/2022

STCERC Page 2 of 2

**ERIC WASTE CLEANUP SITES INFO:** **ERIC ID NO:** ERIC\_14068 **SITE NAME:** DRY CLEANER  
**SRC FAC ID:** 34910 **SRC FAC NAME:** Dry Cleaner **SITE STATUS:** CLOSED  
**PROGRAM:** Responsible Party Cleanup **PROGRAM TYPE:** RESPONSPARTY **DISCHARGE DATE:**  
**PROGRAM STATUS:** COMPLETEWITHCOND **SITE PHASE DESCR:** Phase 1 - Initial Assessment  
**OFFSITE COMTAM KEY:** CONTAMUNKNOWN **ICR ?:** N

**FACILITY NAME AND LOCATION:**

The Dry Cleaner  
 2170 NE 123rd St  
 North Miami, FL 33181

**AGENCY SITE LAT/LON:**  
 25.889339577428  
 -80.15495631084

**MAP ID NUMBER:**

**Dist (Miles):** 0.34  
**Direction:** W  
**Elev (Ft):** 0.33  
**Elev vs Sub Prop:** Lower

11

STCERC

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

<b>SITE INVESTIGATION SECTION INFO:</b>	<b>FDER SITES LIST INFO:</b>	<b>CLEANUP SITES INFO:</b>
<b>SITE NO:</b>	<b>SITE NO:</b>	<b>SRC DATA ID:</b>
<b>ALT SITE NO:</b>	<b>LEAD UNIT:</b>	<b>SRC DATA PGM:</b>
<b>DISTRICT:</b> SED	<b>PRJ MGR:</b>	<b>PGM AREA:</b>
	<b>ATTY:</b>	<b>CLNP CAT:</b>
	<b>SUP UNIT:</b>	<b>REM STATUS:</b>
	<b>STATUS:</b>	<b>COMMENTS:</b>
	<b>STATUS DATE:</b>	

**ERIC WASTE CLEANUP SITES INFO:** **ERIC ID NO:** ERIC\_4297 **SITE NAME:** The Dry Cleaner  
**SRC FAC ID:** 9500168 **SRC FAC NAME:** THE DRY CLEANER **SITE STATUS:** ONHOLD  
**PROGRAM:** Drycleaning Solvent Cleanup Program **PROGRAM TYPE:** DRYCLEANING **DISCHARGE DATE:**  
**PROGRAM STATUS:** AWAITFUND **SITE PHASE DESCR:** Phase 1 - Initial Assessment  
**OFFSITE COMTAM KEY:** CONTAMUNKNOWN **ICR ?:** N



# FDEP VOLUNTARY CLEANUP SITES

## (VOLCLNUP)

Report Date: 9/16/2022

VOLCLNUP Page 1 of 1

### FACILITY ID NUMBER, NAME AND LOCATION:

56228 --HISTORICAL ENTRY--  
DRY CLEANER  
2170 NE 123RD ST  
NORTH MIAMI, FL

COUNTY: MIAMI-DADE  
DISTRICT:  
AGENCY LAT:  
AGENCY LON:

### MAP ID NUMBER:

11

Dist (Miles): 0.34  
Direction: W  
Elev (Ft): 0.33  
Elev vs Sub Prop: Lower

VOLCLNUP

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

### BSRA DATA

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

### WASTE CLEANUP DATA

PROJ ID: 56228 OGC NO: STATUS: CLOSED PRIORITY SCORE: INIT DATA RCVD: 5/20/1996  
CONTAMINANTS: Comments forwarded to Tallahassee for eligibility determination.  
OFFSITE CONTAM?: FEATURE:

### FACILITY ID NUMBER, NAME AND LOCATION:

ERIC\_14068  
DRY CLEANER  
2170 NE 123RD ST  
NORTH MIAMI, FL

COUNTY: Miami-Dade  
DISTRICT: SED  
AGENCY LAT: 25.8891224773657  
AGENCY LON: -80.1550727425791

### MAP ID NUMBER:

11

Dist (Miles): 0.34  
Direction: W  
Elev (Ft): 0.33  
Elev vs Sub Prop: Lower

VOLCLNUP

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

### ERIC WASTE CLEANUP DATA

SOURCE FAC ID NO: 34910 SOURCE FAC NAME: Dry Cleaner SITE STATUS: CLOSED  
PROGRAM: Responsible Party Cleanup PROGRAM STATUS: COMPLETEWITHCOND SITE MANAGER: La Smith  
DISCH DATE: OFFSITE CONTAM KEY?: CONTAMUNKNOWN INST CONTROL?: N SITE PHASE: Phase 1 - Initial Assessment

### BSRA DATA

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

### WASTE CLEANUP DATA

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



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 9/16/2022

LUST Page 1 of 3

**FACILITY ID NUMBER, NAME AND LOCATION**

9102173  
CONCOURSE PLAZA CONDO ASSN  
1111 KANE CONCOURSE #610  
BAY HARBOR ISLANDS, FL 33154-

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

**OWNERSHIP INFO:**

ACCOUNT OWNER  
CONCOURSE PLAZA CONDO  
1111 KANE CONCOURSE #610  
BAY HARBOR ISLANDS, FL 33154-  
(305)861-6844  
COUNTY ID: 13 MIAMI-DADE  
AGCY LAT/LON(DMS): 25.53,13.0381 80.7,53.7707  
FAC OPERATOR: BERG, RITA  
FAC TEL #: (305)861-6844

**MAP ID NUMBER:**

Dist (Miles): 0.35  
Direction: E  
Elev (Ft): 3.35  
Elev vs Higher  
Sub Prop:

12

L  
U  
S  
T

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

**SCORE** 10      **SCORE EFF DT:** 2/11/2005      **RANK:** 8533      **SCORE WHEN RANKED:** 10

**DISCHARGE INFORMATION**

**DISCHARGE DATE:** 10/9/1991

Mapid: 12

**INSPECTION DATE:**

**CLEANUP WORK STATUS:** COMPLETED

**CLEANUP REQUIRED** R - CLEANUP REQUIRED

**CLEANUP COMBINED:**

**INFO SOURCE:** D - DISCHARGE NOTIFICATION

**DISCH CLNUP STATUS:** 2/17/1994 NFA - NFA COMPLETE

**CONTAMINATED MEDIA?:** SOIL: Y    SUR WATER: N    GR WATER: N    MON WELL: N    # DW WELLS CONTAMINATED: 0

**POLLUTANT :** M - Fuel Oil - Onsite Heat      GALLONS      OTHER

**CLEANUP INFORMATION**

Mapid: 12

**PGM ELIG OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**PGM ELIG SCORE:** 10

**PGM ELIG SCORE EFF DT:**

**PGM ELIG R**

**ELIG STAT:** INELIGIBLE

**ELIG STAT DT:**

**APPL RCVD:**

**LOI:**

**ELIG LTR SENT:**

**REDETERM:**

**DEDUCT AMT:**

**DEDUCT PD TO DT:**

**COPAY AMT:**

**COPAY TO DT:**

**CAP AMT:** 0

**CLNUP PROG:** A - ABANDONED TANK RESTO    **CLNUP OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**SITE ASSESSMENT\***

**CLNP RESP:** ST - STATE

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:** 01-27-1994

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION PLAN\***

**CLEANUP RESP:** ST - STATE

**FUND ELLIG:** -

**ORDER APPRV DATE:**

**ACTUAL COMPL DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION\***

**CLEANUP RESP:** ST - STATE

**FUND ELLIG:** -

**ACTUAL COST:**

**YEARS TO COMPL:** 0

**SITE REHABILITATION COMPLETION REPORT\***

**ACTION TYPE:** NFA - NO FURTHER ACTION

**SUBMIT DATE:** 01-24-1994

**REVIEW DATE:** 01-27-1994

**ISSUE DATE:** 02-17-1994

**COMPL STATUS:** A - APPROVED

**COMPL STATUS DT:** 01-27-1994

**COMMENTS:**

**SOURCE REMOVAL\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**FREE PRODUCT REMOVAL?(Y/N):**

**SOIL REMOVAL?(Y/N):**

**SOIL TONNAGE REMOVED:**

**SOIL TREATMENT?(Y/N):**

**OTHER TREATMENT?:**

**ALT PROC STATUS:**

**ALT PROC STATUS DT:**

**ALT PROC COMMENT:**

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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 2 of 3

### DISCHARGE INFORMATION

**DISCHARGE DATE:** 7/30/1992

**Mapid:** 12

**INSPECTION DATE:** **CLEANUP WORK STATUS:** COMPLETED  
**CLEANUP REQUIRED:** R - CLEANUP REQUIRED **CLEANUP COMBINED:**  
**INFO SOURCE:** D - DISCHARGE NOTIFICATION  
**DISCH CLNUP STATUS:** 2/17/1994 NFA - NFA COMPLETE  
**CONTAMINATED MEDIA?:** **SOIL:** **SUR WATER:** **GR WATER:** **MON WELL:** **# DW WELLS CONTAMINATED:**  
**POLLUTANT :** VEHICULAR DIESEL **GALLONS** **OTHER**

### CLEANUP INFORMATION

**Mapid:** 12

**PGM ELIG OFF:** -  
**PGM ELIG SCORE:** 10 **PGM ELIG SCORE EFF DT:** **PGM ELIG R**  
**ELIG STAT:** NOT ELIGIBLE **ELIG STAT DT:** **APPL RCVD:** **LOI:** **ELIG LTR SNT:** **REDETERM:**  
**DEDUCT AMT:** **DEDUCT PD TO DT:** **COPAY AMT:** **COPAY TO DT:** **CAP AMT:** 0  
**CLNUP PROG:** C - PETROLEUM CLEANUP PA **CLNUP OFF:** -

#### SITE ASSESSMENT\*

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

#### REMEDIAL ACTION PLAN\*

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

#### REMEDIAL ACTION\*

**CLEANUP RESP:** -  
**FUND ELLIG:** -  
**ACTUAL COST:**  
**YEARS TO COMPL:** 0

#### SITE REHABILITATION COMPLETION REPORT\*

**ACTION TYPE:** NFA - NO FURTHER ACTION  
**SUBMIT DATE:** 01-25-1994  
**REVIEW DATE:** 01-27-1994  
**ISSUE DATE:** 02-17-1994  
**COMPL STATUS:** A - APPROVED  
**COMPL STATUS DT:** 01-27-1994  
**COMMENTS:**

#### SOURCE REMOVAL\*

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

\* Data current as of November 2019



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 9/16/2022

LUST Page 3 of 3

## TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:													
<p>9102173 CONCOURSE PLAZA CONDO ASSN 1111 KANE CONCOURSE #610 BAY HARBOR ISLANDS, FL 33154</p>	<p>CONCOURSE PLAZA CONDO ASSN 1111 KANE CONCOURSE #610 BAY HARBOR ISLAN, FL 33154 CONTACT TEL #: 3058616844 CONTACT: CONCOURSE PLAZA CONDO AS FACILITY TEL #: 3058616844 COUNTY ID: 13 MIAMI-DADE</p>	<p>Dist (Miles): 0.35 Direction: E Elev (Ft): 3.35 Elev vs Sub Prop: Higher</p>	<div style="background-color: #f08080; padding: 5px; font-size: 24px; font-weight: bold;">12</div>												
<div style="background-color: #cccccc; padding: 2px; font-weight: bold; writing-mode: vertical-rl; transform: rotate(180deg);">TANKS</div>															
<p><a href="#">FDEP INFORMATION PORTAL ON LINE DOCUMENTS</a> (May Not Be Available For All Records)</p>															
<p><b>FAC STATUS:</b> CLOSED      <b>FAC TYPE:</b> Fuel user/Non-retail</p>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">TANK #:</th> <th style="width: 15%;">TANK VOL(GALS):</th> <th style="width: 15%;">INST.DATE:</th> <th style="width: 25%;">TANK CONTENTS:</th> <th style="width: 15%;">TANK POSITION:</th> <th style="width: 20%;">TANK STATUS (as of...)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">750</td> <td style="text-align: center;">01-Jul-1980</td> <td style="text-align: center;">Emerg Generator Diesel</td> <td style="text-align: center;">UNDERGROUND</td> <td style="text-align: center;">REMOVED FROM SITE 31-Jul-1992</td> </tr> </tbody> </table>	TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)	1	750	01-Jul-1980	Emerg Generator Diesel	UNDERGROUND	REMOVED FROM SITE 31-Jul-1992			
TANK #:	TANK VOL(GALS):	INST.DATE:	TANK CONTENTS:	TANK POSITION:	TANK STATUS (as of...)										
1	750	01-Jul-1980	Emerg Generator Diesel	UNDERGROUND	REMOVED FROM SITE 31-Jul-1992										
<p>CONSTRUCTION TYPE: STEEL PIPING TYPE: LEAK MONITORING: MANUALLY SAMPLED WELLS/MANUAL TANK GAUGING-USTS</p>															



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 1 of 2

**FACILITY ID NUMBER, NAME AND LOCATION**

9804271  
 BAY HARBOR CONDOS  
 9300 BAY HARBOR TERR  
 BAY HARBOR ISLANDS, FL 33154-

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

**OWNERSHIP INFO:**

ACCOUNT OWNER  
 BENNETT, JOAN  
 PO BOX 402336  
 MIAMI BEACH, FL 33140-  
 (305)446-8393  
**COUNTY ID:** 13 MIAMI-DADE  
**AGCY LAT/LON(DMS):** 25.53,2.8104 80.7,53.1084  
**FAC OPERATOR:** MARIA BATTAGUA  
**FAC TEL #:** (305)865-9563

**MAP ID NUMBER:**

**Dist (Miles):** 0.40  
**Direction:** E  
**Elev (Ft):** 1.41  
**Elev vs** Lower  
**Sub Prop:**

13

LUST

**FAC STATUS:** CLOSED      **FAC TYPE:** P - UST Residential (UST>1100 gals)

**SCORE** 6      **SCORE EFF DT:** 3/26/2009      **RANK:** 11086      **SCORE WHEN RANKED:** 9

**DISCHARGE INFORMATION**

**DISCHARGE DATE:** 8/9/2001

Mapid: 13

**INSPECTION DATE:**

**CLEANUP WORK STATUS:** COMPLETED

**CLEANUP REQUIRED** R - CLEANUP REQUIRED

**CLEANUP COMBINED:**

**INFO SOURCE:** C - CLOSURE REPORT

**DISCH CLNUP STATUS:** 10/26/2011 NFA - NFA COMPLETE

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

**POLLUTANT :** M - Fuel Oil - Onsite Heat

**GALLONS**      **OTHER**

**CLEANUP INFORMATION**

Mapid: 13

**PGM ELIG OFF:**

**PGM ELIG SCORE:**

**PGM ELIG SCORE EFF DT:**

**PGM ELIG R**

**ELIG STAT:**

**ELIG STAT DT:**

**APPL RCVD:**

**LOI:**

**ELIG LTR SNT:**

**REDETERM:**

**DEDUCT AMT:**

**DEDUCT PD TO DT:**

**COPAY AMT:**

**COPAY TO DT:**

**CAP AMT:**

**CLNUP PROG:**

**CLNUP OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**SITE ASSESSMENT\***

**CLNP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION PLAN\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ORDER APPRV DATE:**

**ACTUAL COMPL DATE:** 11-22-2002

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COST:**

**YEARS TO COMPL:** 0

**SITE REHABILITATION COMPLETION REPORT\***

**ACTION TYPE:** NFA - NO FURTHER ACTION

**SUBMIT DATE:** 09-01-2011

**REVIEW DATE:** 09-29-2011

**ISSUE DATE:** 10-26-2011

**COMPL STATUS:** A - APPROVED

**COMPL STATUS DT:** 09-29-2011

**COMMENTS:**

**SOURCE REMOVAL\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**FREE PRODUCT REMOVAL?(Y/N):**

**SOIL REMOVAL?(Y/N):**

**SOIL TONNAGE REMOVED:**

**SOIL TREATMENT?(Y/N):**

**OTHER TREATMENT?:**

**ALT PROC STATUS:**

**ALT PROC STATUS DT:**

**ALT PROC COMMENT:**

\* Data current as of November 2019



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 9/16/2022

LUST Page 2 of 2

## TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:	13
9804271 BAY HARBOR CONDOS 9300 BAY HARBOR TERR BAY HARBOR ISLANDS, FL 33154	BENNETT, JOAN PO BOX 402336 MIAMI BEACH, FL 33140 CONTACT TEL #: 3054468393 CONTACT: BENNETT, JOAN FACILITY TEL #: 3058659563 COUNTY ID: 13 MIAMI-DADE	Dist (Miles): 0.40 Direction: E Elev (Ft): 1.41 Elev vs Sub Prop: Lower	<div style="writing-mode: vertical-rl; text-orientation: mixed; border: 1px solid black; padding: 5px; font-weight: bold; font-size: 2em;">T A N K S</div>
<a href="#">FDEP INFORMATION PORTAL ON LINE DOCUMENTS</a> (May Not Be Available For All Records)			
<b>FAC STATUS:</b> CLOSED	<b>FAC TYPE:</b> UST Residential (UST>1100 gals)		
<b>TANK #:</b> 1	<b>TANK VOL(GALS):</b> 500	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b> Generator/Pump Diesel
			<b>TANK POSITION:</b> UNDERGROUND
			<b>TANK STATUS (as of...):</b> REMOVED FROM SITE 01-Jul-2001
<b>CONSTRUCTION TYPE:</b> <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b>			



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

**(STCERC)**

Report Date: 9/16/2022

STCERC Page 1 of 1

**FACILITY NAME AND LOCATION:**

BAY HARBOR ISLANDS TOWN  
9665 BAY HARBOR TER  
MIAMI BEACH, FL 33154-2005

**AGENCY SITE LAT/LON:**

25.887389188533  
-80.13037741493

**MAP ID NUMBER:**

14

Dist (Miles): 0.41  
Direction: E  
Elev (Ft): 3.36  
Elev vs Sub Prop: Higher

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**  
ALT SITE NO:  
DISTRICT: SED

**FDER SITES LIST INFO:**

**SITE NO:**  
LEAD UNIT:  
PRJ MGR:  
ATTY:  
SUP UNIT:  
STATUS:  
STATUS DATE:

**CLEANUP SITES INFO:**

**SRC DATA ID:** 8522020  
**SRC DATA PGM:** STCM  
**PGM AREA:** TK  
**CLNP CAT:** PETRO  
**REM STATUS:** ACTIVE  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:**  
**PROGRAM:**  
**PROGRAM STATUS:**  
**OFFSITE COMTAM KEY:**

**ERIC ID NO:**

**SRC FAC NAME:**

**PROGRAM TYPE:**  
**SITE PHASE DESCR:**  
**ICR ?:**

**SITE NAME:**

**SITE STATUS:**

**DISCHARGE DATE:**



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 1 of 3

**FACILITY ID NUMBER, NAME AND LOCATION**

8522020  
 BAY HARBOR ISLANDS TOWN  
 9665 BAY HARBOR TER  
 MIAMI BEACH, FL 33154-2005

**OWNERSHIP INFO:**

ACCOUNT OWNER  
 BAY HARBOR ISLANDS TOWN  
 9665 BAY HARBOR TER  
 Miami Beach, FL 33154-2005  
 (305)866-6241  
 COUNTY ID: 13 MIAMI-DADE  
 AGCY LAT/LON(DMS): 25.53,14.5841 80.7,49.3491  
 FAC OPERATOR: DOUGLAS ARMSTRONG  
 FAC TEL #: (305)866-6241

**MAP ID NUMBER:**

Dist (Miles): 0.41  
 Direction: E  
 Elev (Ft): 3.36  
 Elev vs Higher  
 Sub Prop:

14

LUST

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

**FAC STATUS:** OPEN      **FAC TYPE:** H - Local Government

**SCORE** 12      **SCORE EFF DT:** 11/4/1997      **RANK:** 7728      **SCORE WHEN RANKED:** 12

**DISCHARGE INFORMATION**

**DISCHARGE DATE:** 7/12/1994

Mapid: 14

**INSPECTION DATE:**

**CLEANUP WORK STATUS:** INACTIVE

**CLEANUP REQUIRED** R - CLEANUP REQUIRED

**CLEANUP COMBINED:**

**INFO SOURCE:** D - DISCHARGE NOTIFICATION

**DISCH CLNUP STATUS:** 2/7/2002 RA - RA ONGOING

**CONTAMINATED MEDIA?:** SOIL: Y    SUR WATER: N    GR WATER: N    MON WELL: N    # DW WELLS CONTAMINATED: 0

**POLLUTANT :** B - UNLEADED GAS      GALLONS      OTHER

**CLEANUP INFORMATION**

Mapid: 14

**PGM ELIG OFF:** PCLP13 - DADE ENVIRONMENTAL RESOURCE MGMT POLLUTIO

**PGM ELIG SCORE:**

**PGM ELIG SCORE EFF DT:**

**PGM ELIG R**

**ELIG STAT:**

**ELIG STAT DT:**

**APPL RCVD:**

**LOI:**

**ELIG LTR SENT:**

**REDETERM:**

**DEDUCT AMT:**

**DEDUCT PD TO DT:**

**COPAY AMT:**

**COPAY TO DT:**

**CAP AMT:**

**CLNUP PROG:**

**CLNUP OFF:**

**SITE ASSESSMENT\***

**REMEDIAL ACTION PLAN\***

**REMEDIAL ACTION\***

**CLNP RESP:** -

**CLEANUP RESP:** -

**CLEANUP RESP:** -

**FUND ELLIG:** -

**FUND ELLIG:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:** 8/31/1995

**ORDER APPRV DATE:** 9/15/1995

**ACTUAL COST:**

**PAYMENT DATE:**

**ACTUAL COMPL DATE:** 9/15/1995

**YEARS TO COMPL:**

**ACTUAL COST:**

**PAYMENT DATE:**  
**ACTUAL COST:**

**SITE REHABILITATION COMPLETION REPORT\***

**SOURCE REMOVAL\***

**ACTION TYPE:** -

**CLEANUP RESP:** -

**SUBMIT DATE:**

**FUND ELLIG:** -

**REVIEW DATE:**

**ACTUAL COMPLETION DATE:**

**ISSUE DATE:**

**FREE PRODUCT REMOVAL?(Y/N):**

**COMPL STATUS:** -

**SOIL REMOVAL?(Y/N):**

**COMPL STATUS DT:**

**SOIL TONNAGE REMOVED:**

**COMMENTS:**

**SOIL TREATMENT?(Y/N):**

**OTHER TREATMENT?:**

**ALT PROC STATUS:**

**ALT PROC STATUS DT:**

**ALT PROC COMMENT:**

\* Data current as of November 2019



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 2 of 3

### DISCHARGE INFORMATION

**DISCHARGE DATE:** 10/21/1994

**Mapid:** 14

**INSPECTION DATE:** **CLEANUP WORK STATUS:** ACTIVE

**CLEANUP REQUIRED:** R - CLEANUP REQUIRED      **CLEANUP COMBINED:**

**INFO SOURCE:** P - 17-770 PETROL/PETROL PROD CONTAMINATION

**DISCH CLNUP STATUS:** 2/12/1996      RA - RA ONGOING

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

**POLLUTANT :** B - Unleaded Gas      **GALLONS**      **OTHER**

### CLEANUP INFORMATION

**Mapid:** 14

**PGM ELIG OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**PGM ELIG SCORE:** 12      **PGM ELIG SCORE EFF DT:**      **PGM ELIG R**

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

**DEDUCT AMT:**      **DEDUCT PD TO DT:**      **COPAY AMT:**      **COPAY TO DT:**      **CAP AMT:** 400000

**CLNUP PROG:** P - PETROLEUM LIABILITY AN      **CLNUP OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

#### SITE ASSESSMENT\*

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

#### REMEDIAL ACTION PLAN\*

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

#### REMEDIAL ACTION\*

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

#### SITE REHABILITATION COMPLETION REPORT\*

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

#### SOURCE REMOVAL\*

**CLEANUP RESP:** -  
**FUND ELLIG:** -  
**ACTUAL COMPLETION DATE:**  
**FREE PRODUCT REMOVAL?(Y/N):**  
**SOIL REMOVAL? (Y/N):** Y  
**SOIL TONNAGE REMOVED:** 320  
**SOIL TREATMENT?(Y/N):**  
**OTHER TREATMENT?:** 320T  
**ALT PROC STATUS:**  
**ALT PROC STATUS DT:**  
**ALT PROC COMMENT:**

\* Data current as of November 2019



# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 3 of 3

### TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:	14		
8522020 BAY HARBOR ISLANDS TOWN 9665 BAY HARBOR TER MIAMI BEACH, FL 33154	BAY HARBOR ISLANDS TOWN 9665 BAY HARBOR TER Miami Beach, FL 33154 CONTACT TEL #: 3058666241 CONTACT: BAY HARBOR ISLANDS TOWN FACILITY TEL #: 3058666241 COUNTY ID: 13 MIAMI-DADE	Dist (Miles): 0.41 Direction: E Elev (Ft): 3.36 Elev vs Sub Prop: Higher	T A N K S		
<a href="#">FDEP INFORMATION PORTAL ON LINE DOCUMENTS</a> (May Not Be Available For All Records)					
<b>FAC STATUS:</b> OPEN <b>FAC TYPE:</b> Local Government					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
1	2000	01-Jul-1974	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Aug-2001
<b>CONSTRUCTION TYPE:</b> FIBERGLASS/BALL CHECK VALVE/SPILL CONTAINMENT BUCKET <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b> ANNUAL TIGHTNESS TEST/INVENTORY/SUCTION PUMP CHECK VALVE/MANUALLY SAMPLED WELLS/MANUAL TANK GAUGING-USTS/MONITOR DBL WALL PIPE SPACE					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
2	2000	01-Jul-1974	Unleaded Gas	UNDERGROUND	REMOVED FROM SITE 01-Aug-2001
<b>CONSTRUCTION TYPE:</b> BALL CHECK VALVE/SPILL CONTAINMENT BUCKET/FIBERGLASS <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b> MANUAL TANK GAUGING-USTS/MONITOR DBL WALL PIPE SPACE/MANUALLY SAMPLED WELLS/ANNUAL TIGHTNESS TEST/INVENTORY/SUCTION PUMP CHECK VALVE					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
3	6000	01-Jul-1974	Vehicular Diesel	UNDERGROUND	CLOSED IN PLACE 01-Aug-2001
<b>CONSTRUCTION TYPE:</b> FIBERGLASS/BALL CHECK VALVE/SPILL CONTAINMENT BUCKET <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b> ANNUAL TIGHTNESS TEST/INVENTORY/SUCTION PUMP CHECK VALVE/MANUALLY SAMPLED WELLS/MANUAL TANK GAUGING-USTS/MONITOR DBL WALL PIPE SPACE					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
4	10000	01-Aug-2001	Vehicular Diesel	UNDERGROUND	IN SERVICE 01-Aug-2001
<b>CONSTRUCTION TYPE:</b> FIBERGLASS-CLAD STEEL/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/FLOW SHUT OFF/LEVEL GAUGES/ALARMS/BUILT ON SUPPORTS <b>PIPING TYPE:</b> DOUBLE WALL/SUCTION PIPING SYSTEM/DISPENSER LINERS/APPROVED SYNTHETIC MATERIAL <b>LEAK MONITORING:</b> CONTINUOUS ELECTRONIC SENSING/VISUAL INSPECT PIPE SUMPS/ELECTRONIC MONITOR PIPE SUMPS/VISUAL INSPECT DISPENSER LINERS/ELECTRONIC MONITOR DISPENSER LINERS/MANUALLY SAMPLED WELLS/MONITOR DBL WALL TANK SPACE					
<b>TANK #:</b>	<b>TANK VOL(GALS):</b>	<b>INST.DATE:</b>	<b>TANK CONTENTS:</b>	<b>TANK POSITION:</b>	<b>TANK STATUS (as of...)</b>
4	10000	01-Aug-2001	Unleaded Gas	UNDERGROUND	IN SERVICE 01-Aug-2001
<b>CONSTRUCTION TYPE:</b> FIBERGLASS-CLAD STEEL/DOUBLE WALL/COMPARTMENTED/SPILL CONTAINMENT BUCKET/LEVEL GAUGES/ALARMS/BUILT ON SUPPORTS <b>PIPING TYPE:</b> DOUBLE WALL/SUCTION PIPING SYSTEM/INTERNAL PIPE/INTERNAL SUMP RISER <b>LEAK MONITORING:</b> ELECTRONIC LINE LEAK DETECTOR/AUTOMATIC TANK GAUGING-USTS/MANUAL TANK GAUGING-USTS/GROUNDWATER MONITORING/VAPOR MONITORING W/DILUTION/ANNUAL TIGHTNESS TEST/INVENTORY					



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 1 of 2

**FACILITY ID NUMBER, NAME AND LOCATION**

9807654  
APARTMENTS  
10101 W BAY HARBOR DR  
BAY HARBOR ISLANDS, FL 33154-

**OWNERSHIP INFO:**

ACCOUNT OWNER  
FRANK LOUHAN  
10101 W BAY HARBOR DR  
BAY HARBOR ISLANDS, FL 33154-  
(954)921-8967  
COUNTY ID: 13 MIAMI-DADE  
AGCY LAT/LON(DMS): 25.53,29.9296 80.7,59.9507  
FAC OPERATOR: FRANK LOUHAN  
FAC TEL #: (954)921-8967

**MAP ID NUMBER:**

Dist (Miles): 0.43  
Direction: NE  
Elev (Ft): 0.33  
Elev vs Sub Prop: Lower

15

L  
U  
S  
T

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

**FAC STATUS:** CLOSED      **FAC TYPE:** B - Residential

**SCORE** 10      **SCORE EFF DT:** 3/30/2006      **RANK:**      **SCORE WHEN RANKED:**

**DISCHARGE INFORMATION**

**DISCHARGE DATE:** 9/7/2005

Mapid: 15

**INSPECTION DATE:**

**CLEANUP REQUIRED** R - CLEANUP REQUIRED

**CLEANUP COMBINED:**

**CLEANUP WORK STATUS:** COMPLETED

**INFO SOURCE:** D - DISCHARGE NOTIFICATION

**DISCH CLNP STATUS:** 12/4/2006 NFA - NFA COMPLETE

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

**POLLUTANT :** M - Fuel Oil - Onsite Heat      **GALLONS**      **OTHER**

**CLEANUP INFORMATION**

Mapid: 15

**PGM ELIG OFF:**

**PGM ELIG SCORE:**

**PGM ELIG SCORE EFF DT:**

**PGM ELIG R**

**ELIG STAT:**

**ELIG STAT DT:**

**APPL RCVD:**

**LOI:**

**ELIG LTR SENT:**

**REDETERM:**

**DEDUCT AMT:**

**DEDUCT PD TO DT:**

**COPAY AMT:**

**COPAY TO DT:**

**CAP AMT:**

**CLNUP PROG:**

**CLNUP OFF:** PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

**SITE ASSESSMENT\***

**CLNP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION PLAN\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ORDER APPRV DATE:**

**ACTUAL COMPL DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION\***

**CLEANUP RESP:** -

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**FREE PRODUCT REMOVAL?(Y/N):**

**SOIL REMOVAL?(Y/N):**

**SOIL TONNAGE REMOVED:**

**SOIL TREATMENT?(Y/N):**

**OTHER TREATMENT?:**

**ALT PROC STATUS:**

**ALT PROC STATUS DT:**

**ALT PROC COMMENT:**

**SITE REHABILITATION COMPLETION REPORT\***

**ACTION TYPE:** NFA - NO FURTHER ACTION

**SUBMIT DATE:** 09-11-2006

**REVIEW DATE:** 11-01-2006

**ISSUE DATE:** 12-04-2006

**COMPL STATUS:** A - APPROVED

**COMPL STATUS DT:** 11-01-2006

**COMMENTS:**

\* Data current as of November 2019



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

(LUST)

Report Date: 9/16/2022

LUST Page 2 of 2

## TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER:	15
<p>9807654 APARTMENTS 10101 W BAY HARBOR DR BAY HARBOR ISLANDS, FL 33154</p>	<p>FRANK LOUHAN 10101 W BAY HARBOR DR BAY HARBOR ISLAN, FL 33154 CONTACT TEL #: 9549218967 CONTACT: FRANK LOUHAN FACILITY TEL #: 9549218967 COUNTY ID: 13 MIAMI-DADE</p>	<p>Dist (Miles): 0.43 Direction: NE Elev (Ft): 0.33 Elev vs Sub Prop: Lower</p>	T A N K S
<p><a href="#">FDEP INFORMATION PORTAL ON LINE DOCUMENTS</a> (May Not Be Available For All Records)</p>			
<p><b>FAC STATUS:</b> CLOSED      <b>FAC TYPE:</b> Residential</p>			
<p><b>TANK #:</b> 1      <b>TANK VOL(GALS):</b> 175</p>	<p><b>INST.DATE:</b>      <b>TANK CONTENTS:</b> Fuel Oil - Onsite Heat</p>	<p><b>TANK POSITION:</b> UNDERGROUND</p>	<p><b>TANK STATUS (as of...):</b> REMOVED FROM SITE 01-Aug-2005</p>
<p><b>CONSTRUCTION TYPE:</b> <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b></p>			



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

**(STCERC)**

Report Date: 9/16/2022

STCERC Page 1 of 1

**FACILITY NAME AND LOCATION:**

ROYAL CLEANERS  
2100 NE 123TH ST  
NORTH MIAMI, FL 33161

**AGENCY SITE LAT/LON:**

25.888966875597  
-80.15673464511

**MAP ID NUMBER:**

16

Dist (Miles): 0.45  
Direction: W  
Elev (Ft): 0.00  
Elev vs Sub Prop: -

S  
T  
C  
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C

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**  
**ALT SITE NO:**  
**DISTRICT:** SED

**FDER SITES LIST INFO:**

**SITE NO:**  
**LEAD UNIT:**  
**PRJ MGR:**  
**ATTY:**  
**SUP UNIT:**  
**STATUS:**  
**STATUS DATE:**

**CLEANUP SITES INFO:**

**SRC DATA ID:**  
**SRC DATA PGM:**  
**PGM AREA:**  
**CLNP CAT:**  
**REM STATUS:**  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**ERIC ID NO:** ERIC\_14135

**SITE NAME:** ROYAL  
CLEANERS

**SRC FAC ID:** 51623

**SRC FAC NAME:** Royal Cleaners

**SITE STATUS:** CLOSED

**PROGRAM:** Responsible Party Cleanup

**PROGRAM TYPE:** RESPONSPARTY

**DISCHARGE DATE:**

**PROGRAM STATUS:** COMPLETE

**SITE PHASE DESCR:** Phase 1 - Initial Assessment

**OFFSITE COMTAM KEY:** CONTAMUNKNOWN

**ICR ?:** N



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# FDEP VOLUNTARY CLEANUP SITES

## (VOLCLNUP)

Report Date: 9/16/2022

VOLCLNUP Page 1 of 1

### FACILITY ID NUMBER, NAME AND LOCATION:

ERIC\_14135  
ROYAL CLEANERS  
2100 NE 123TH ST  
NORTH MIAMI, FL 33161

COUNTY: Miami-Dade  
DISTRICT: SED  
AGENCY LAT: 25.8889668755974  
AGENCY LON: -80.156734645108

### MAP ID NUMBER:

16

Dist (Miles): 0.45  
Direction: W  
Elev (Ft): 0.00  
Elev vs Sub Prop: -

VOLCLNUP

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

### ERIC WASTE CLEANUP DATA

SOURCE FAC ID NO: 51623 SOURCE FAC NAME: Royal Cleaners SITE STATUS: CLOSED  
PROGRAM: Responsible Party Cleanup PROGRAM STATUS: COMPLETE SITE MANAGER: La Smith  
DISCH DATE: OFFSITE CONTAM KEY?: CONTAMUNKNOWN INST CONTROL?: N SITE PHASE: Phase 1 - Initial Assessment

### BSRA DATA

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

### WASTE CLEANUP DATA

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



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

**(STCERC)**

Report Date: 9/16/2022

STCERC Page 1 of 1

**FACILITY NAME AND LOCATION:**

**MAP ID NUMBER:**

17

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C

-HISTORICAL ENTRY-

Royal Cleaners Inc  
2100 NE 123rd St  
N Miami, FL

**AGENCY SITE LAT/LON:**

25.889079464318  
-80.15683469738

Dist (Miles): 0.45

Direction: W

Elev (Ft): 0.00

Elev vs Sub Prop: -

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:** 139500358  
**ALT SITE NO:**  
**DISTRICT:** SD

**FDER SITES LIST INFO:**

**SITE NO:**  
**LEAD UNIT:**  
**PRJ MGR:**  
**ATTY:**  
**SUP UNIT:**  
**STATUS:**  
**STATUS DATE:**

**CLEANUP SITES INFO:**

**SRC DATA ID:**  
**SRC DATA PGM:**  
**PGM AREA:**  
**CLNP CAT:**  
**REM STATUS:**  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:**  
**PROGRAM:**  
**PROGRAM STATUS:**  
**OFFSITE COMTAM KEY:**

**ERIC ID NO:**

**SRC FAC NAME:**

**PROGRAM TYPE:**  
**SITE PHASE DESCR:**  
**ICR ?:**

**SITE NAME:**

**SITE STATUS:**

**DISCHARGE DATE:**



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

(STCERC)

Report Date: 9/16/2022

STCERC Page 1 of 1

**FACILITY NAME AND LOCATION:**

Royal Cleaners Inc  
2100 NE 123rd St  
North Miami, FL 33181

**AGENCY SITE LAT/LON:**

25.889079466203  
-80.15683470032

**MAP ID NUMBER:**

18

Dist (Miles): 0.46  
Direction: W  
Elev (Ft): 0.33  
Elev vs Sub Prop: Lower

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**  
**ALT SITE NO:**  
**DISTRICT:** SED

**FDER SITES LIST INFO:**

**SITE NO:**  
**LEAD UNIT:**  
**PRJ MGR:**  
**ATTY:**  
**SUP UNIT:**  
**STATUS:**  
**STATUS DATE:**

**CLEANUP SITES INFO:**

**SRC DATA ID:**  
**SRC DATA PGM:**  
**PGM AREA:**  
**CLNP CAT:**  
**REM STATUS:**  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:** 9500358

**ERIC ID NO:** ERIC\_4320

**SRC FAC NAME:** ROYAL CLEANERS

**SITE NAME:** Royal Cleaners Inc

**SITE STATUS:** ONHOLD

**PROGRAM:** Drycleaning Solvent Cleanup Program

**PROGRAM TYPE:** DRYCLEANING

**DISCHARGE DATE:**

**PROGRAM STATUS:** AWAITFUND

**SITE PHASE DESCR:** Phase 1 - Initial Assessment

**OFFSITE COMTAM KEY:** CONTAMUNKNOWN

**ICR ?:** N



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# FDEP VOLUNTARY CLEANUP SITES

## (VOLCLNUP)

Report Date: 9/16/2022

VOLCLNUP Page 1 of 1

### FACILITY ID NUMBER, NAME AND LOCATION:

55942 --HISTORICAL ENTRY--  
ROYAL CLEANERS  
2100 NE 123TH ST  
NORTH MIAMI, FL 33161

COUNTY: MIAMI-DADE  
DISTRICT:  
AGENCY LAT:  
AGENCY LON:

### MAP ID NUMBER:

18

Dist (Miles): 0.46  
Direction: W  
Elev (Ft): 0.33  
Elev vs Sub Prop: Lower

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

### BSRA DATA

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

---

### WASTE CLEANUP DATA

PROJ ID: 101966 OGC NO: STATUS: CLOSED PRIORITY SCORE: INIT DATA RCVD: 10/14/1996  
CONTAMINANTS: Comments forwarded to Tallahassee for eligibility determination.  
OFFSITE CONTAM?: FEATURE:

---



# FDEP DRY CLEANING FACILITIES LIST

Report Date: 9/16/2022

**(DRY)**

DRY Page 1 of 1

**FACILITY ID NUMBER, NAME AND LOCATION**

9500358  
 ROYAL CLEANERS  
 2100 NE 123RD ST  
 NORTH MIAMI, FL 33181

**Facility Telephone** (305)893-4311  
**Fac Status** OPEN  
**Facility Type** 1 - Drycleaner  
**PRIORITY RANKING:** **Rank:** 538  
**Score:** 29

**MAP ID NUMBER:**

**Dist (Miles):** 0.46  
**Direction:** W  
**Elev (Ft):** 0.33  
**Elev vs Sub Prop:** Lower

18

DRY

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

**RELATED PARTY TYPE:** **ACCOUNT OWNER** **RP ID** 38570 **Start Date** 01-JAN-03 **RP Contact:** PETER TAYLOR (305)893-4311  
 ROYAL CLEANERS INC-- 2100 N E 123RD ST NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **FACILITY OWNER** **RP ID** 38570 **Start Date** 01-JUL-86 **RP Contact:** PETER TAYLOR (305)893-4311  
 ROYAL CLEANERS INC-- 2100 N E 123RD ST NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **ACCOUNT OWNER** **RP ID** 38699 **Start Date** 1/6/2000 **RP Contact:** TAYLOR, PETER (305) 891-0183  
 A CLEANER WORLD INC-- 2100 NE 123RD ST NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **PROPERTY OWNER** **RP ID** 41039 **Start Date** 7/20/1995 **RP Contact:**  
 RON HOWE-- 685 OLD TREE LINE TRL DELAND, FL 32724

**RELATED PARTY TYPE:** **TANK OPERATOR** **RP ID** 76574 **Start Date** 3/20/2018 **RP Contact:** JEREMY BENATTAR (305)893-4311  
 R2DB LLC-- 2100 NE 123RD ST NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **FACILITY OWNER** **RP ID** 76574 **Start Date** 3/20/2018 **RP Contact:** JEREMY BENATTAR (305)893-4311  
 R2DB LLC-- 2100 NE 123RD ST NORTH MIAMI, FL 33181

**RELATED PARTY TYPE:** **ACCOUNT OWNER** **RP ID** 76574 **Start Date** 3/20/2018 **RP Contact:** JEREMY BENATTAR (305)893-4311  
 R2DB LLC-- 2100 NE 123RD ST NORTH MIAMI, FL 33181

**DRY CLEANER CLEANUP PROGRAM DATA:**

**Facility Name:** Royal Cleaners Inc **ERIC ID:** ERIC\_4320  
**Address:** 2100 NE 123rd St **Program:** DRYCLEANING  
**City:** North Miami **Manager:**  
**County:** MIAMI-DADE **Status:** ONHOLD  
**District:** SED  
**Agcy Lat/Lon:** 25.8890794663691/-80.1568347006993  
**On Line Documents:** [https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC\\_4320/gis-facility!search](https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/ERIC_4320/gis-facility!search)



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

(STCERC)

Report Date: 9/16/2022

STCERC Page 1 of 2

**FACILITY NAME AND LOCATION:**

CBS REALTY HOLDING LLC  
1000 KANE CONCOURSE  
MIAMI BEACH, FL 33154-2107

**AGENCY SITE LAT/LON:**

25.886283882917  
-80.12938930402

**MAP ID NUMBER:**

19

Dist (Miles): 0.48  
Direction: E  
Elev (Ft): 2.37  
Elev vs Sub Prop: Lower

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**  
ALT SITE NO:  
DISTRICT: SED

**FDER SITES LIST INFO:**

**SITE NO:**  
LEAD UNIT:  
PRJ MGR:  
ATTY:  
SUP UNIT:  
STATUS:  
STATUS DATE:

**CLEANUP SITES INFO:**

**SRC DATA ID:** 8622149  
**SRC DATA PGM:** STCM  
**PGM AREA:** TK  
**CLNP CAT:** PETRO  
**REM STATUS:** ACTIVE  
**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:**  
**PROGRAM:**  
**PROGRAM STATUS:**  
**OFFSITE COMTAM KEY:**

**ERIC ID NO:**

**SRC FAC NAME:**

**PROGRAM TYPE:**  
**SITE PHASE DESCR:**  
**ICR ?:**

**SITE NAME:**

**SITE STATUS:**

**DISCHARGE DATE:**

**FACILITY NAME AND LOCATION:**

-HISTORICAL ENTRY-

CBTS Green Reuse Site  
1000 Kane Concourse  
BAY HARBOR ISLANDS, FL 33154

**AGENCY SITE LAT/LON:**

25.886254716315  
-80.12949988741

**MAP ID NUMBER:**

19

Dist (Miles): 0.48  
Direction: E  
Elev (Ft): 2.37  
Elev vs Sub Prop: Lower

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:** BF132101001  
ALT SITE NO:  
DISTRICT: SED

**FDER SITES LIST INFO:**

**SITE NO:**  
LEAD UNIT:  
PRJ MGR:  
ATTY:  
SUP UNIT:  
STATUS:  
STATUS DATE:

**CLEANUP SITES INFO:**

**SRC DATA ID:**  
**SRC DATA PGM:**  
**PGM AREA:**  
**CLNP CAT:**  
**REM STATUS:**  
**COMMENTS:**



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

(STCERC)

Report Date: 9/16/2022

STCERC Page 2 of 2

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:**

**ERIC ID NO:**

**SRC FAC NAME:**

**SITE NAME:**

**SITE STATUS:**

**PROGRAM:**

**PROGRAM TYPE:**

**DISCHARGE DATE:**

**PROGRAM STATUS:**

**SITE PHASE DESCR:**

**OFFSITE COMTAM KEY:**

**ICR ?:**

**FACILITY NAME AND LOCATION:**

CBTS Green Reuse Site  
1000 Kane Concourse  
Bay Harbor Islands, FL 33154

**AGENCY SITE LAT/LON:**

25.88641071732  
-80.13095866485

**MAP ID NUMBER:**

**Dist (Miles):** 0.48  
**Direction:** E  
**Elev (Ft):** 2.37  
**Elev vs Sub Prop:** Lower

19

STCERC

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

**SITE INVESTIGATION SECTION INFO:**

**SITE NO:**

**ALT SITE NO:**

**DISTRICT:** SED

**FDER SITES LIST INFO:**

**SITE NO:**

**LEAD UNIT:**

**PRJ MGR:**

**ATTY:**

**SUP UNIT:**

**STATUS:**

**STATUS DATE:**

**CLEANUP SITES INFO:**

**SRC DATA ID:**

**SRC DATA PGM:**

**PGM AREA:**

**CLNP CAT:**

**REM STATUS:**

**COMMENTS:**

**ERIC WASTE CLEANUP SITES INFO:**

**SRC FAC ID:** 141696

**ERIC ID NO:** ERIC\_17854

**SRC FAC NAME:** Church by the Sea

**SITE NAME:** CBTS Green Reuse Site

**SITE STATUS:** OPEN

**PROGRAM:** Brownfield Site Rehabilitation

**PROGRAM TYPE:** BROWNFIELDS

**DISCHARGE DATE:**

**PROGRAM STATUS:** ACTIVE

**SITE PHASE DESCR:** Phase 0 - Discovery

**OFFSITE COMTAM KEY:** CONTAMUNKNOWN

**ICR ?:** N



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 1 of 3

**FACILITY ID NUMBER, NAME AND LOCATION**

8622149  
 CBS REALTY HOLDING LLC  
 1000 KANE CONCOURSE  
 MIAMI BEACH, FL 33154-2107

**OWNERSHIP INFO:**

ACCOUNT OWNER  
 OCEAN CADILLAC INC  
 1000 KANE CONCOURSE  
 MIAMI BEACH, FL 33154-2107  
 (305)864-2271  
 COUNTY ID: 13 MIAMI-DADE  
 AGCY LAT/LON(DMS): 25.53,10.605 80.7,45.7919  
 FAC OPERATOR: JEFFREY HECHT  
 FAC TEL #: (305)866-0321

**MAP ID NUMBER:**

Dist (Miles): 0.48  
 Direction: E  
 Elev (Ft): 2.37  
 Elev vs Sub Prop: Lower

19

LUST

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

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

**SCORE** 7      **SCORE EFF DT:** 2/6/2009      **RANK:** 8060      **SCORE WHEN RANKED:** 11

**DISCHARGE INFORMATION**

**DISCHARGE DATE:** 11/26/1985

Mapid: 19

**INSPECTION DATE:**

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

**INFO SOURCE:** E - EDI

**DISCH CLNUP STATUS:** 4/14/2009      NREQ - CLEANUP NOT REQUIRED

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

**POLLUTANT :** Z - OTHER NON REGULATED      GALLONS      OTHER NONE ON FILE

**CLEANUP WORK STATUS:** COMPLETED

**CLEANUP INFORMATION**

Mapid: 19

**PGM ELIG OFF:** -

**PGM ELIG SCORE:** 7

**PGM ELIG SCORE EFF DT:**

**PGM ELIG R**

**ELIG STAT:** INELIGIBLE

**ELIG STAT DT:**

**APPL RCVD:**

**LOI:**

**ELIG LTR SENT:**

**REDETERM:**

**DEDUCT AMT:**

**DEDUCT PD TO DT:**

**COPAY AMT:**

**COPAY TO DT:**

**CAP AMT:** 0

**CLNUP PROG:** E - EARLY DETECTION INCEN

**CLNUP OFF:** -

**SITE ASSESSMENT\***

**CLNP RESP:** ST - STATE

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:** 06-26-1995

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION PLAN\***

**CLEANUP RESP:** ST - STATE

**FUND ELLIG:** -

**ORDER APPRV DATE:** 8/3/1995

**ACTUAL COMPL DATE:**

**PAYMENT DATE:**

**ACTUAL COST:**

**REMEDIAL ACTION\***

**CLEANUP RESP:** ST - STATE

**FUND ELLIG:** -

**ACTUAL COST:**

**YEARS TO COMPL:**

**SITE REHABILITATION COMPLETION REPORT\***

**ACTION TYPE:** -

**SUBMIT DATE:**

**REVIEW DATE:**

**ISSUE DATE:**

**COMPL STATUS:** -

**COMPL STATUS DT:**

**COMMENTS:**

**SOURCE REMOVAL\***

**CLEANUP RESP:** ST - STATE

**FUND ELLIG:** -

**ACTUAL COMPLETION DATE:**

**FREE PRODUCT REMOVAL?(Y/N):**

**SOIL REMOVAL?(Y/N):**

**SOIL TONNAGE REMOVED:**

**SOIL TREATMENT?(Y/N):**

**OTHER TREATMENT?:**

**ALT PROC STATUS:**

**ALT PROC STATUS DT:**

**ALT PROC COMMENT:**

\* Data current as of November 2019



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 2 of 3

### DISCHARGE INFORMATION

DISCHARGE DATE: 10/21/1986

Mapid: 19

INSPECTION DATE:

CLEANUP WORK STATUS: ACTIVE

CLEANUP REQUIRED R - CLEANUP REQUIRED

CLEANUP COMBINED:

INFO SOURCE: A - ABANDONED TANK RESTORATION

DISCH CLNUP STATUS: 4/7/2020 RA - RA ONGOING

CONTAMINATED MEDIA?: SOIL: SUR WATER:

GR WATER: MON WELL: # DW WELLS CONTAMINATED:  
GALLONS OTHER

POLLUTANT : -

### CLEANUP INFORMATION

Mapid: 19

PGM ELIG OFF: PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

PGM ELIG SCORE: 7

PGM ELIG SCORE EFF DT:

PGM ELIG R

ELIG STAT: PARTIAL

ELIG STAT DT:

APPL RCVD:

LOI:

ELIG LTR SNT:

REDETERM:

DEDUCT AMT:

DEDUCT PD TO DT:

COPAY AMT:

COPAY TO DT:

CAP AMT: 0

CLNUP PROG: A - ABANDONED TANK RESTO CLNUP OFF: PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR

### SITE ASSESSMENT\*

CLNP RESP: -

FUND ELLIG: -

ACTUAL COMPLETION DATE:

PAYMENT DATE:

ACTUAL COST:

### REMEDIAL ACTION PLAN\*

CLEANUP RESP: -

FUND ELLIG: -

ORDER APPRV DATE:

ACTUAL COMPL DATE: 08-03-1995

PAYMENT DATE:

ACTUAL COST:

### REMEDIAL ACTION\*

CLEANUP RESP: -

FUND ELLIG: -

ACTUAL COST:

YEARS TO COMPL:

### SITE REHABILITATION COMPLETION REPORT\*

ACTION TYPE: -

SUBMIT DATE:

REVIEW DATE:

ISSUE DATE:

COMPL STATUS: -

COMPL STATUS DT:

COMMENTS:

### SOURCE REMOVAL\*

CLEANUP RESP: -

FUND ELLIG: -

ACTUAL COMPLETION DATE:

FREE PRODUCT REMOVAL?(Y/N):

SOIL REMOVAL? (Y/N):

SOIL TONNAGE REMOVED:

SOIL TREATMENT?(Y/N):

OTHER TREATMENT?:

ALT PROC STATUS:

ALT PROC STATUS DT:

ALT PROC COMMENT:

\* Data current as of November 2019



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# FDEP LEAKING UNDERGROUND STORAGE TANKS REPORT

## (LUST)

Report Date: 9/16/2022

LUST Page 3 of 3

### TANKS Data for LUST Sites:

FACILITY ID NUMBER, NAME AND LOCATION	OWNERSHIP INFORMATION	MAP ID NUMBER: <span style="font-size: 1.5em; font-weight: bold;">19</span>	T A N K S
8622149 CBS REALTY HOLDING LLC 1000 KANE CONCOURSE MIAMI BEACH, FL 33154	OCEAN CADILLAC INC 1000 KANE CONCOURSE MIAMI BEACH, FL 33154 CONTACT TEL #: 3058642271 CONTACT: OCEAN CADILLAC INC FACILITY TEL #: 3058660321 COUNTY ID: 13 MIAMI-DADE	Dist (Miles): 0.48 Direction: E Elev (Ft): 2.37 Elev vs Sub Prop: Lower	
<a href="#">FDEP INFORMATION PORTAL ON LINE DOCUMENTS</a> (May Not Be Available For All Records)			
<b>FAC STATUS:</b> CLOSED <b>FAC TYPE:</b> Fuel user/Non-retail			
<b>TANK #:</b> 1 <b>TANK VOL(GALS):</b> 2000 <b>CONSTRUCTION TYPE:</b> CONCRETE <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b> UNKNOWN	<b>INST.DATE:</b> <b>TANK CONTENTS:</b> Unleaded Gas	<b>TANK POSITION:</b> UNDERGROUND	<b>TANK STATUS (as of...)</b> REMOVED FROM SITE 01-Mar-2020
<b>TANK #:</b> 2 <b>TANK VOL(GALS):</b> 2000 <b>CONSTRUCTION TYPE:</b> CONCRETE <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b> UNKNOWN	<b>INST.DATE:</b> <b>TANK CONTENTS:</b> Waste Oil	<b>TANK POSITION:</b> UNDERGROUND	<b>TANK STATUS (as of...)</b> REMOVED FROM SITE 01-Mar-2020
<b>TANK #:</b> 3 <b>TANK VOL(GALS):</b> 2000 <b>CONSTRUCTION TYPE:</b> CONCRETE <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b> UNKNOWN	<b>INST.DATE:</b> <b>TANK CONTENTS:</b> Other Non Regulated	<b>TANK POSITION:</b> UNDERGROUND	<b>TANK STATUS (as of...)</b> REMOVED FROM SITE 01-Mar-2020
<b>TANK #:</b> 4 <b>TANK VOL(GALS):</b> 1000 <b>CONSTRUCTION TYPE:</b> <b>PIPING TYPE:</b> <b>LEAK MONITORING:</b>	<b>INST.DATE:</b> <b>TANK CONTENTS:</b> New/Lube Oil	<b>TANK POSITION:</b> UNDERGROUND	<b>TANK STATUS (as of...)</b> REMOVED FROM SITE 01-Mar-2020



# FDEP DESIGNATED BROWNFIELDS

Report Date: 9/16/2022

## (BRWNFLDS)

BRWNFLDS Page 1 of 1

### ID NUMBER, NAME AND LOCATION

BF132101000  
CBTS Green Reuse Area  
  
BAY HARBOR ISLANDS, FL

**AREA ID:** BF132101000  
**AREA NAME:** CBTS Green Reuse Area  
**SITE ID:**  
**SOURCE:** The Town Council of the Town of Bay Harbor Islands  
**FDEP DISTRICT:** Southeast  
**AGENCY LAT/LON:** 25.8862 / -80.1295

### MAP ID NUMBER:

**Dist (Miles):** 0.48  
**Direction:** E  
**Elev (Ft):** 2.37  
**Elev vs Sub Prop:** Lower

19

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W  
N  
F  
L  
D  
S

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

**ACREAGE:** 1.41515278    **RESOLUTION DATE:** 4/14/2021    **RESOLUTION #:** 2224  
**BSRA DATE:**    **SRCO DATE:**    **REMEDIATION STATUS:**  
**COMMENTS:**

### ID NUMBER, NAME AND LOCATION

BF132101001  
CBTS Green Reuse Site  
1000 Kane Concourse  
  
BAY HARBOR ISLANDS, FL 33154

**AREA ID:** BF132101000  
**AREA NAME:** CBTS Green Reuse Area  
**SITE ID:** BF132101001  
**SOURCE:** The Town Council of the Town of Bay Harbor Islands  
**FDEP DISTRICT:** Southeast  
**AGENCY LAT/LON:** 25.8862 / -80.1295

### MAP ID NUMBER:

**Dist (Miles):** 0.48  
**Direction:** E  
**Elev (Ft):** 2.37  
**Elev vs Sub Prop:** Lower

19

B  
R  
W  
N  
F  
L  
D  
S

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

**ACREAGE:** 1.415153    **RESOLUTION DATE:**    **RESOLUTION #:**  
**BSRA DATE:** 10/21/2021    **SRCO DATE:**    **REMEDIATION STATUS:**  
**COMMENTS:**



# FDEP VOLUNTARY CLEANUP SITES

## (VOLCLNUP)

Report Date: 9/16/2022

VOLCLNUP Page 1 of 1

### FACILITY ID NUMBER, NAME AND LOCATION:

BF132101001  
CBTS Green Reuse Site  
1000 Kane Concourse  
BAY HARBOR ISLANDS, FL 33154

COUNTY: MIAMI-DADE  
DISTRICT: Southeast  
AGENCY LAT: 25.8862  
AGENCY LON: -80.1295

### MAP ID NUMBER:

19

Dist (Miles): 0.48  
Direction: E  
Elev (Ft): 2.37  
Elev vs Sub Prop: Lower

VOLCLNUP

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

### BSRA DATA

AREA ID: BF132101000 AREA NAME: CBTS Green Reuse Area

ACREAGE: 1.415153

REMED STATUS:

BSRA DATE: 10/21/2021

SRCO DATE:

COMMENTS:

### WASTE CLEANUP DATA

PROJ ID: -

OGC NO:

STATUS: -

PRIORITY SCORE:

INIT DATA RCVD: 1/1/1970

CONTAMINANTS:

OFFSITE CONTAM?:

FEATURE:



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For further information please contact us at 727-586-1700

Use of this information is strictly limited by EDM's authorization agreement, acknowledged by our clients for each report.

# ENVIRONMENTAL DATA MANAGEMENT

## Premium ASTM Research Proximal Site Summary Table

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Report Date: 9/16/2022

Page 1 of 3

MapID Prgm List	Fac ID No	Site Dist (mi)	Site Dir	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
<b>1A</b>							
FRS	FLD981004542	0.26	NW	0.33	Lower	LOGIN HERBERT	12455 BAYSHORE DR N NORTH MIAMI, FL 33181
<b>2A</b>							
ECHO	110070388372	0.29	E	3.00	Lower	CONSTRUCTION OF 2 CONCRETE SLAB PAVILIONS BHI 195	1185 95TH ST BAY HARBOR ISLANDS, FL 33154
FRS	110070388372	0.29	E	3.00	Lower	CONSTRUCTION OF 2 CONCRETE SLAB PAVIL	1185 95TH ST BAY HARBOR ISLANDS, FL 33154
NPDES	110070388372	0.29	E	3.00	Lower	CONSTRUCTION OF 2 CONCRETE SLAB PAVIL	1185 95TH ST BAY HARBOR ISLANDS, FL 33154
<b>3A</b>							
ECHO	110037931496	0.30	E	2.91	Lower	BAY HARBOR & 95TH ST PARKING G	1165 95TH ST BAY HARBOR ISLANDS, FL 33154
FRS	110037931496	0.30	E	2.91	Lower	BAY HARBOR & 95TH ST PARKING G	1165 95TH ST BAY HARBOR ISLANDS, FL 33154
NPDES	110037931496	0.30	E	2.91	Lower	BAY HARBOR & 95TH ST PARKING G	1165 95TH ST BAY HARBOR ISLANDS, FL 33154
PCS	FLR10HV65	0.30	E	2.91	Lower	Bay Harbor & 95th St Parking G-	1165 95th St , FL
<b>4A</b>							
ECHO	110002008407	0.31	W	0.37	Lower	SAI DRY CLEANERS INC	2184 NORTHEAST 123RD STREET NORTH MIAMI, FL 33181
FRS	110002008407	0.31	W	0.37	Lower	SAI DRY CLEANERS INC	2184 NORTHEAST 123RD STREET NORTH MIAMI, FL 331812902
FRS	FLD053018677	0.31	W	0.37	Lower	ALS ONE HOUR CLEANERS	2184 NE 123RD ST NORTH MIAMI, FL 33181
HWDMs	FLD053018677	0.31	W	0.37	Lower	AL'S ONE HOUR CLEANERS	2184 123RD ST NE NORTH MIAMI, FL 33181
NONTSD	FLD053018677	0.31	W	0.37	Lower	SAN SOUCI DRY CLEANERS	2184 NE 123RD ST NORTH MIAMI, FL 331812902
STRCRA	FLD053018677	0.31	W	0.37	Lower	San Souci Dry Cleaners	2184 NE 123rd St North Miami, FL 33181
TANKS	9500540	0.31	W	0.37	Lower	ALS ONE HOUR CLEANERS	2184 NE 123RD ST NORTH MIAMI, FL 331812902
<b>5A</b>							
FRS	FLD981016538	0.32	E	1.50	Lower	B H I CORP	1155 97TH ST MIAMI, FL 33154
<b>6A</b>							
FRS	FLD981017585	0.33	E	1.12	Lower	ALCAZAR CONDOMINIUM INC	1165 98TH ST BAY HARBOR ISLANDS, FL 33154
<b>7A</b>							
ECHO	110007468926	0.33	E	3.10	Higher	DADE COUNTY BAY HARBOR ELEMENTARY	1165 94TH ST BAY HARBOR ISLAND MIAMI BEACH, FL 33154
FRS	110007468926	0.33	E	3.10	Higher	DADE COUNTY BAY HARBOR ELEMENTARY	1165 94TH ST BAY HARBOR ISLAND MIAMI BEACH, FL 331542306
NONTSD	FLR000002568	0.33	E	3.10	Higher	DADE COUNTY BAY HARBOR ELEMENTARY	1165 94TH ST BAY HARBOR ISLAND MIAMI BEACH, FL 33154
STRCRA	FLR000002568	0.33	E	3.10	Higher	Dade County Bay Harbor Elementary	1165 94th St Bay Harbor Island Miami Beach, FL 33154
TANKS	8842345	0.33	E	3.10	Higher	DADE CNTY SCHOOL BD-BAY HARBOR ELEM	1165 94TH ST MIAMI BEACH, FL 33154
<b>8A</b>							
FRS	FLD981008725	0.33	W	0.42	Lower	BIELER ELIZABETH	2120 ALAMANDA DR NORTH MIAMI, FL 33181
<b>9A</b>							
FRS	FLD981011604	0.33	NE	0.33	Lower	BROWN SAM	1191 99TH ST MIAMI BEACH, FL 33154



# ENVIRONMENTAL DATA MANAGEMENT

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Report Date: 9/16/2022

Page 2 of 3

MapID Prgm List	Fac ID No	Site Dist (mi)	Site Dir	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
<b>10A</b>							
ECHO	110001970074	0.34	W	0.33	Lower	NANMARK INC	2170 NE 123RD STREET NORTH MIAMI, FL 33181
FRS	110001970074	0.34	W	0.33	Lower	NANMARK INC	2170 NE 123RD STREET NORTH MIAMI, FL 331812902
FRS	FLD982129827	0.34	W	0.33	Lower	DRY CLEANER	2170 NE 123RD ST NORTH MIAMI, FL 33181
HWDMS	FLD982129827	0.34	W	0.33	Lower	NANMARK INC. DBA DRY CLEANER	2170 123RD ST NE NORTH MIAMI, FL 33181
NONTSD	FLD982129827	0.34	W	0.33	Lower	DRY CLEANER	2170 NE 123RD ST NORTH MIAMI, FL 331812902
STRCRA	FLD982129827	0.34	W	0.33	Lower	Dry Cleaner	2170 NE 123rd St North Miami, FL 33181
TANKS	9500168	0.34	W	0.33	Lower	DRY CLEANER, THE	2170 NE 123RD ST NORTH MIAMI, FL 331812902
<b>11A</b>							
FRS	110026821081	0.34	E	1.84	Lower	BAY HARBOR ELEMENTARY SCHOOL	1155 93RD STREET BAY HARBOR ISLANDS, FL 33154
FRS	110036431965	0.34	E	1.84	Lower	RUTH K. BROAD-BAY HARBOR ELEMENTARY	1155 93 ST BAY HARBOR ISLAND, FL 331543907
<b>12A</b>							
ECHO	110070226071	0.35	E	3.35	Higher	BOSS CONSTRUCTION SCHOOL, INC.	1111 KANE CONCOURSE, SUITE 610 BAY HARBOR ISLANDS, FL 33154
FRS	110070226071	0.35	E	3.35	Higher	BOSS CONSTRUCTION SCHOOL, INC.	1111 KANE CONCOURSE, SUITE 610 BAY HARBOR ISLANDS, FL 33154
TANKS	9102173	0.35	E	3.35	Higher	CONCOURSE PLAZA CONDO ASSN	1111 KANE CONCOURSE #610 BAY HARBOR ISLANDS, FL 33154
<b>13A</b>							
TANKS	9700110	0.37	NE	0.33	Lower	LE FORGE	9971 W BAY HARBOR DR BAY HARBOR ISLANDS, FL 33154
<b>14A</b>							
ERNS	1050215	0.38	NW	0.33	Lower	UNKNOWN SHEEN INCIDENT	2340 BAYVIEW LANE NORTH MIAMI, FL 33181
<b>15A</b>							
FRS	FLD981010663	0.39	E	0.89	Lower	REIG CONSTRUCTION INC	1120 99TH ST MIAMI BEACH, FL 33154
<b>16A</b>							
TANKS	9804271	0.40	E	1.41	Lower	BAY HARBOR CONDOS	9300 BAY HARBOR TERR BAY HARBOR ISLANDS, FL 33154
<b>17A</b>							
ECHO	110013175045	0.41	E	3.36	Higher	BAY HARBOR ISLANDS, TOWN OF	9665 BAY HARBOR TER MIAMI, FL 33154
FRS	110013175045	0.41	E	3.36	Higher	BAY HARBOR ISLANDS, TOWN OF	9665 BAY HARBOR TER MIAMI, FL 331542005
<b>18A</b>							
ECHO	110053856733	0.41	E	3.36	Higher	TOWN OF BAY HARBOR ISLANDS	, FL
FRS	110020963331	0.41	E	3.36	Higher		CITY HALL-FIRE STA 9665 BAY HARBOR TERR BAY HARBOR ISLANDS, FL 33154
NPDES	110013175045	0.41	E	3.36	Higher	BAY HARBOR ISLANDS, TOWN OF	9665 BAY HARBOR TER BAY HARBOR ISLANDS, FL 33154
PCS	FLS267031	0.41	E	3.36	Higher	-	9665 BAY HARBOR TERRACE BAY HARBOR ISLANDS, FL
TANKS	8522020	0.41	E	3.36	Higher	BAY HARBOR ISLANDS TOWN	9665 BAY HARBOR TER MIAMI BEACH, FL 33154
<b>19A</b>							
ECHO	110006392279	0.42	W	0.33	Lower	SOUTHERN DELEADING SERVICES	2105 NE 124TH ST NORTH MIAMI, FL 33181
FRS	110006392279	0.42	W	0.33	Lower	SOUTHERN DELEADING SERVICES	2105 NE 124TH ST NORTH MIAMI, FL 331812618
NONTSD	FLR000029959	0.42	W	0.33	Lower	SOUTHERN DELEADING SERVICES	2105 NE 124TH ST NORTH MIAMI, FL 331812618
STRCRA	FLR000029959	0.42	W	0.33	Lower	Southern Deleading Services	2105 NE 124th St North Miami, FL 33181
<b>20A</b>							
FRS	FLD981004922	0.42	E	2.37	Lower	STUHLBARG HARRY	1065 98TH ST MIAMI BEACH, FL 33154



# ENVIRONMENTAL DATA MANAGEMENT

## Premium ASTM Research Proximal Site Summary Table

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Report Date: 9/16/2022

Page 3 of 3

MapID Prgm List	Fac ID No	Site Dist (mi)	Site Dir	Site Elev (ft)	Elev vs Sub Prop	Site Name	Site Address
<b>21A</b>							
FRS	FLD981009491	0.42	E	1.41	Lower	SEIGEL NAT	93RD ST & BAY HARBOR MIAMI, FL 33154
<b>22A</b>							
FRS	FLD981016454	0.42	E	1.92	Lower	EASTERN CONSTRUCTION CO	1065 94TH ST MIAMI, FL 33154
<b>23A</b>							
ERNS	1060958	0.43	W	0.33	Lower	IN A CANAL LEADING TO THE ICW	2105 KEYSTONE BLVD. NORTH MIAMI BEACH, FL
ERNS	1061149	0.43	W	0.33	Lower	UNKNOWN SHEEN INCIDENT	2105 KEYSTONE BLVD NORTH MIAMI, FL
ERNS	1067380	0.43	W	0.33	Lower	UNKNOWN SHEEN INCIDENT	2105 KEYSTONE BLVD NORTH MIAMI, FL
ERNS	1067499	0.43	W	0.33	Lower	UNKNOWN SHEEN INCIDENT	2105 KEYSTONE BLVD NORTH MIAMI, FL
<b>24A</b>							
TANKS	9807654	0.43	NE	0.33	Lower	APARTMENTS	10101 W BAY HARBOR DR BAY HARBOR ISLANDS, FL 33154
<b>25A</b>							
FRS	FLD981009509	0.43	E	2.06	Lower	SIEGEL NATHAN	1080 94TH ST MIAMI, FL 33154
<b>26A</b>							
ERNS	1067387	0.44	NW	0.33	Lower	UNKNOWN SHEEN INCIDENT	2110 HIBISCUS CIRCLE CANAL BEHIND THE ADDRESS NORTH MIAMI, FL
<b>27A</b>							
FRS	110062728286	0.45	W	0.33	Lower	ROYAL CLEANERS	2100 NE 123RD ST FLORIDA, FL 33161
<b>28A</b>							
LUST	8628811	0.56	NE	0.33	Lower	LANCELOT HALL	10350 W BAY HARBOR DR BAY HARBOR ISLANDS, FL 331541261
<b>29A</b>							
LUST	8945537	0.60	SE	6.63	Higher	INDIAN CREEK COUNTRY CLUB - MIAMA BEACH	55 INDIAN CREEK ISLAND RD INDIAN CREEK, FL 331542902
STCERC	8945537	0.60	SE	6.63	Higher	INDIAN CREEK COUNTRY CLUB - MIAMA BEACH	55 INDIAN CREEK ISLAND RD INDIAN CREEK, FL 331542902
<b>30A</b>							
SLDWST	105369	0.63	E	0.33	Lower	96TH STREET PARK SURFSIDE	9580 BAY DR SURFSIDE, FL 33154
SLDWST	98258	0.63	E	0.33	Lower	SURFSIDE PARK DEBRIS STAGING AREA	9572 BAY DRIVE SURFSIDE, FL 33154
SLDWST	99216	0.63	E	0.93	Lower	SURFSIDE	null Carol City, FL 33154
<b>31A</b>							
LUST	8505261	0.63	W	0.72	Lower	SUNSHINE #150	1900 NE 123RD ST NORTH MIAMI, FL 331812803
STCERC	8505261	0.63	W	0.72	Lower	SUNSHINE #150	1900 NE 123RD ST NORTH MIAMI, FL 331812803



# ENVIRONMENTAL DATA MANAGEMENT

## Premium ASTM Research Non-Mapped Records Summary Table

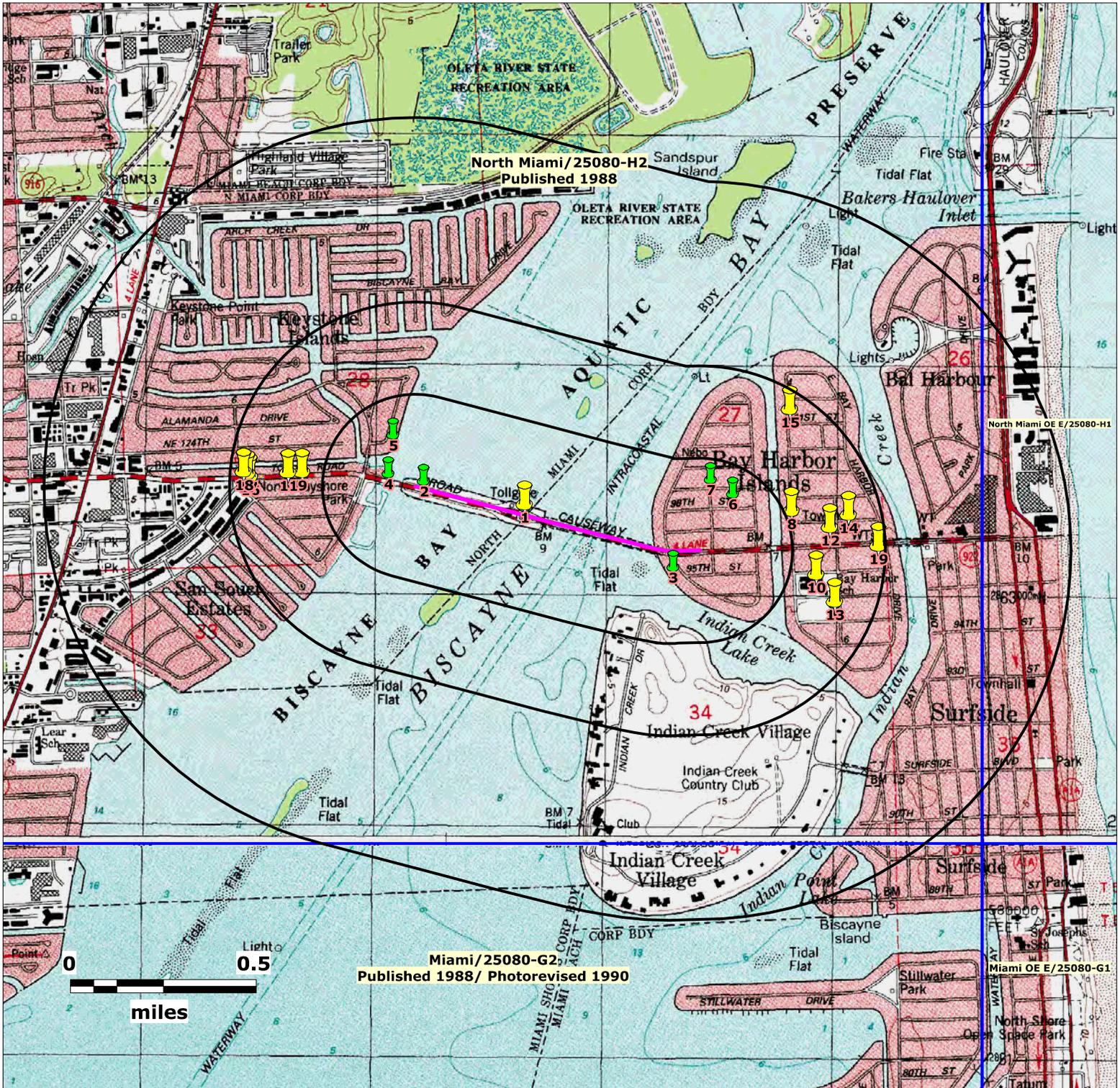
This table is a listing of database records that have not been plotted within our mapping system. Detail data reports on any of these sites may be requested and will be sent as an addendum to this report at no additional cost.

Report Date: 9/16/2022

Page 1 of 1

<b>Prgm List Fac ID No</b>	<b>Site Name</b>	<b>Site Address</b>
<b>ERNS</b>		
604641	EAST SIDE OF BICAYNE BAY	100TH ST BAY HARBOR ISLAND, FL





Source: USGS Digital Raster Graphic (DRG)

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

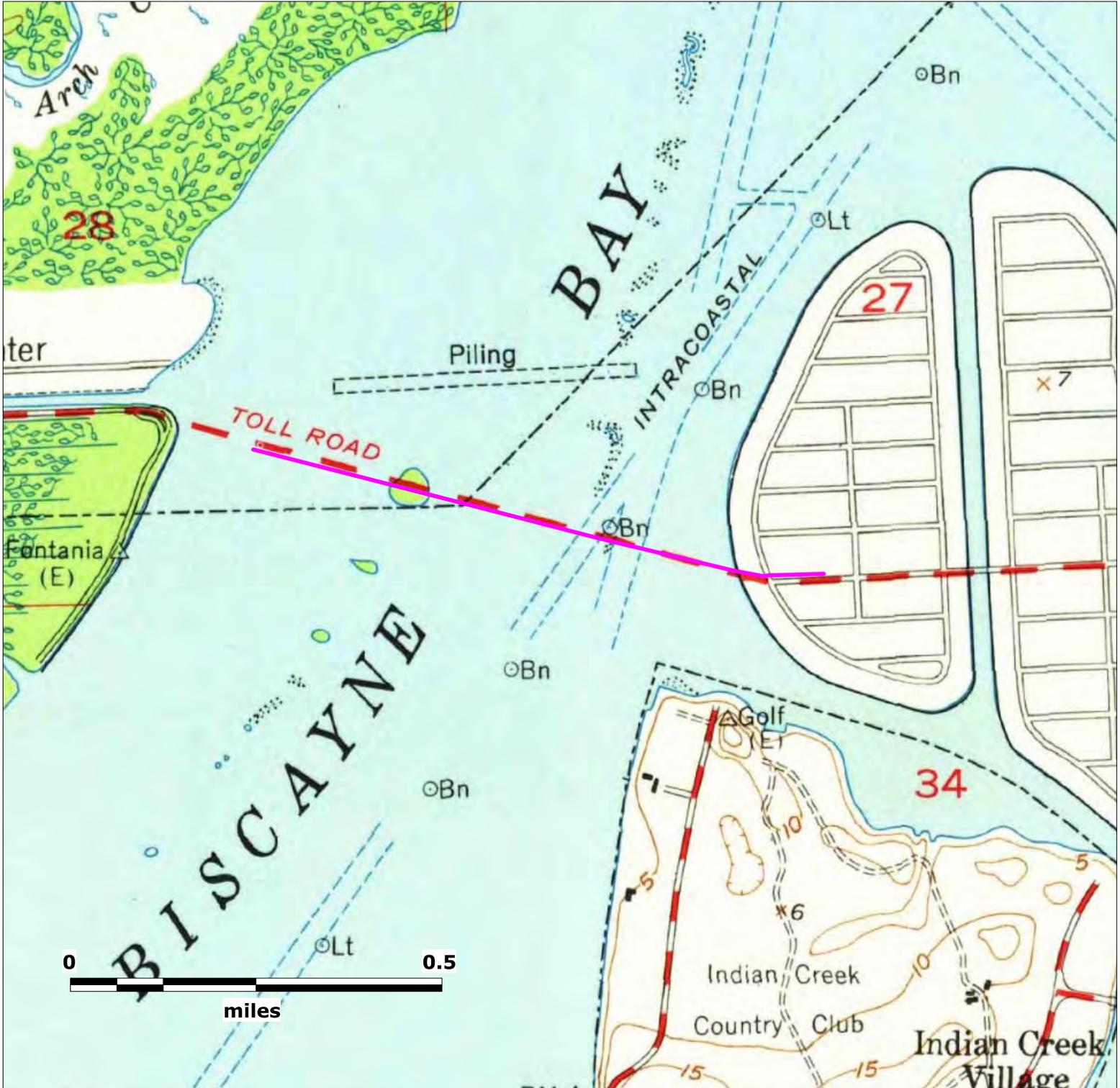
EDM Job No: 26281  
September 16, 2022

Approximate Site Boundary

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

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

ERNS, NONTSD, ECHO, TANKS, INSTENG, STRCRA, HWDMS, BRS, PADS, PCS, TRIS, FRS, NPDES & INDWST sites - 1/4 Mile Radius



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

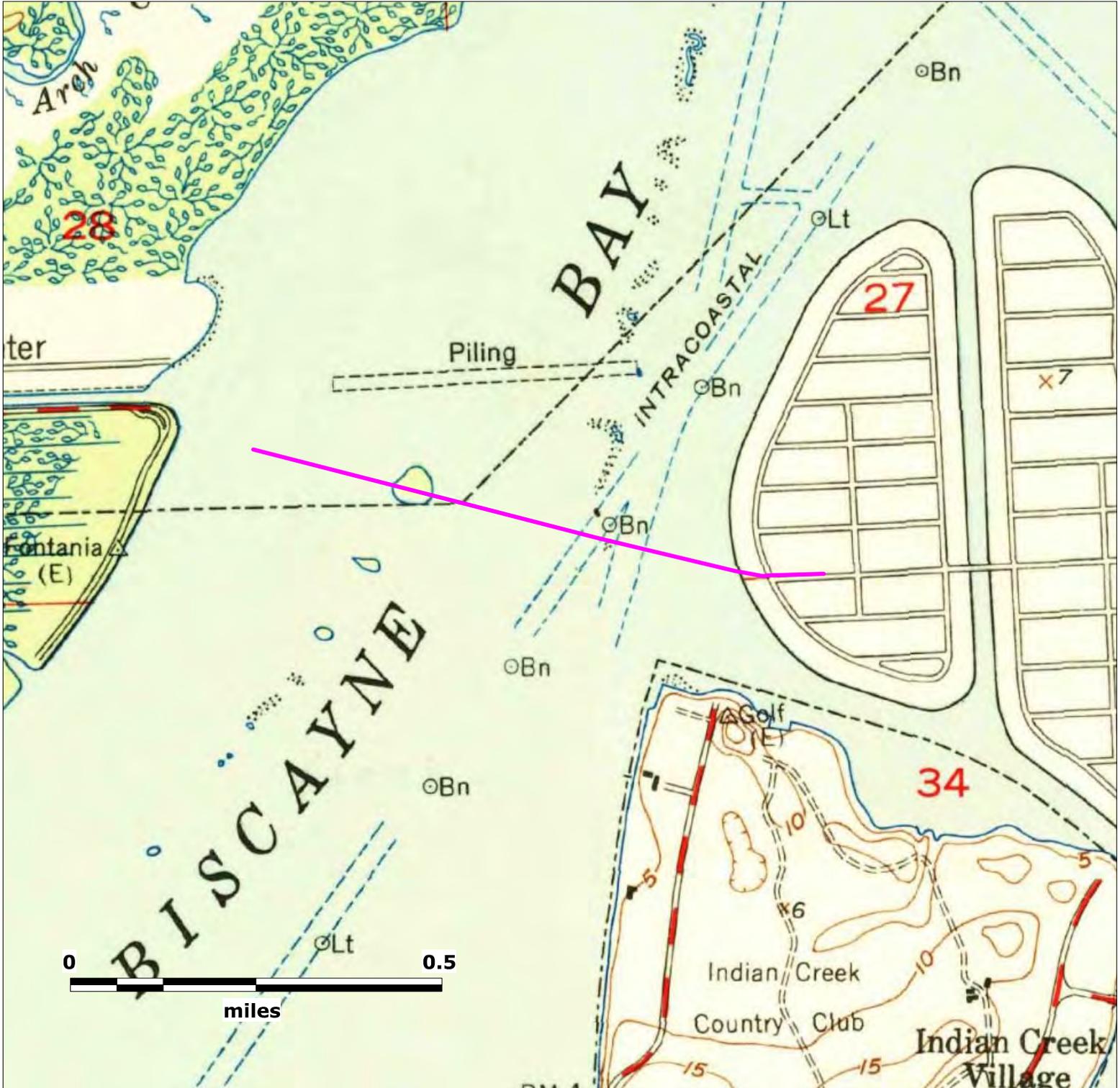
**Subject Property**

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

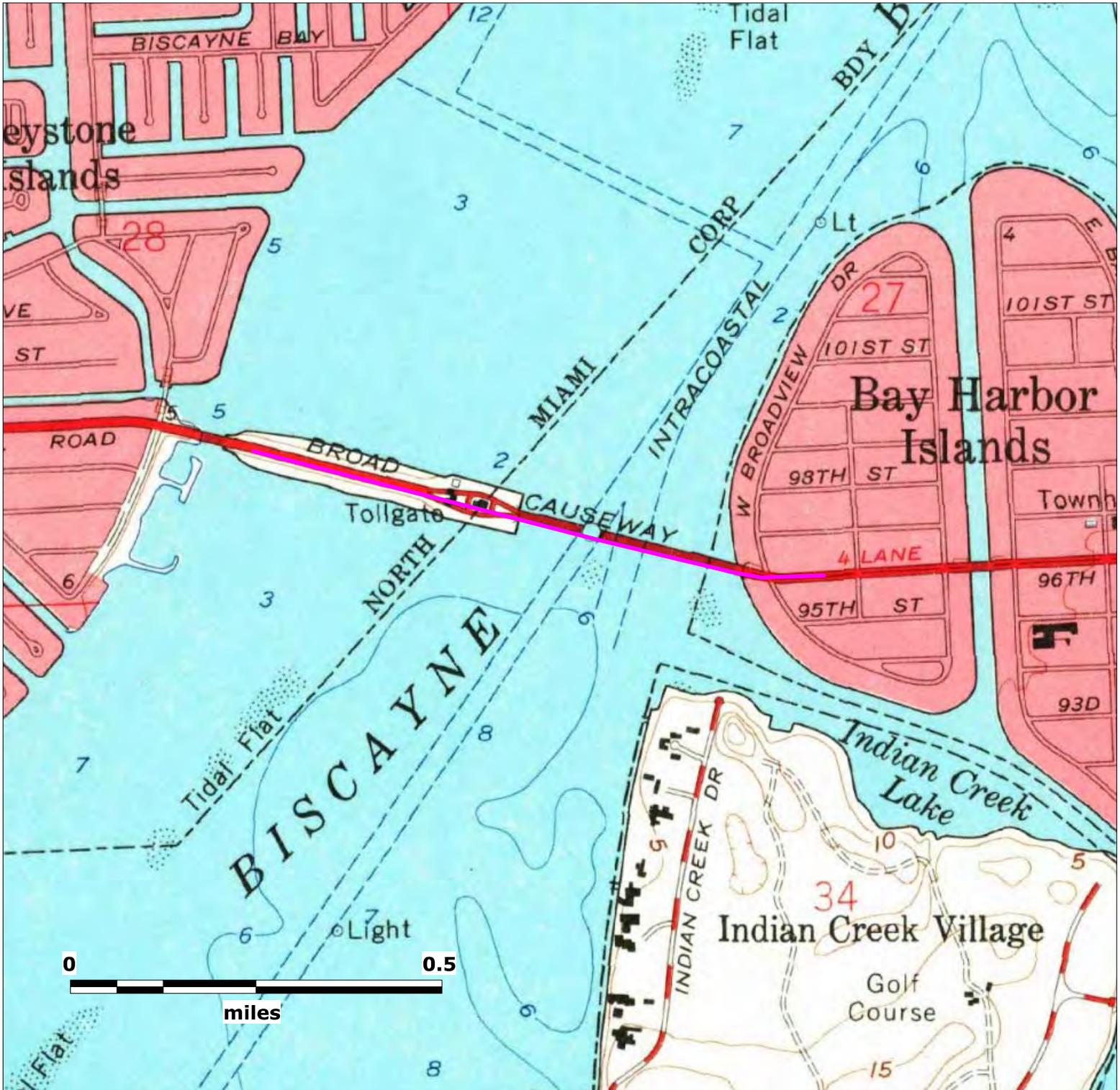
**Subject Property**

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

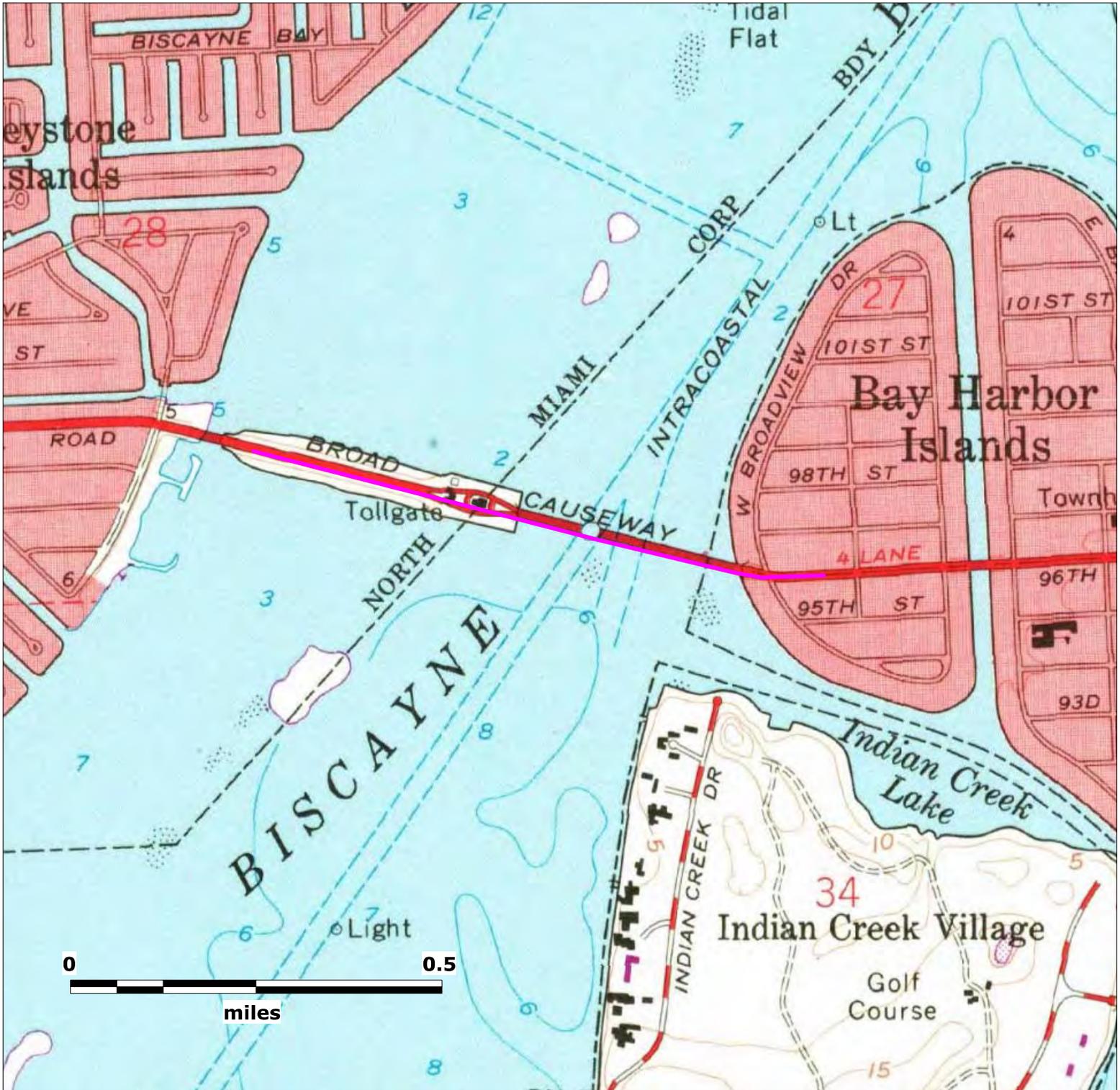
### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

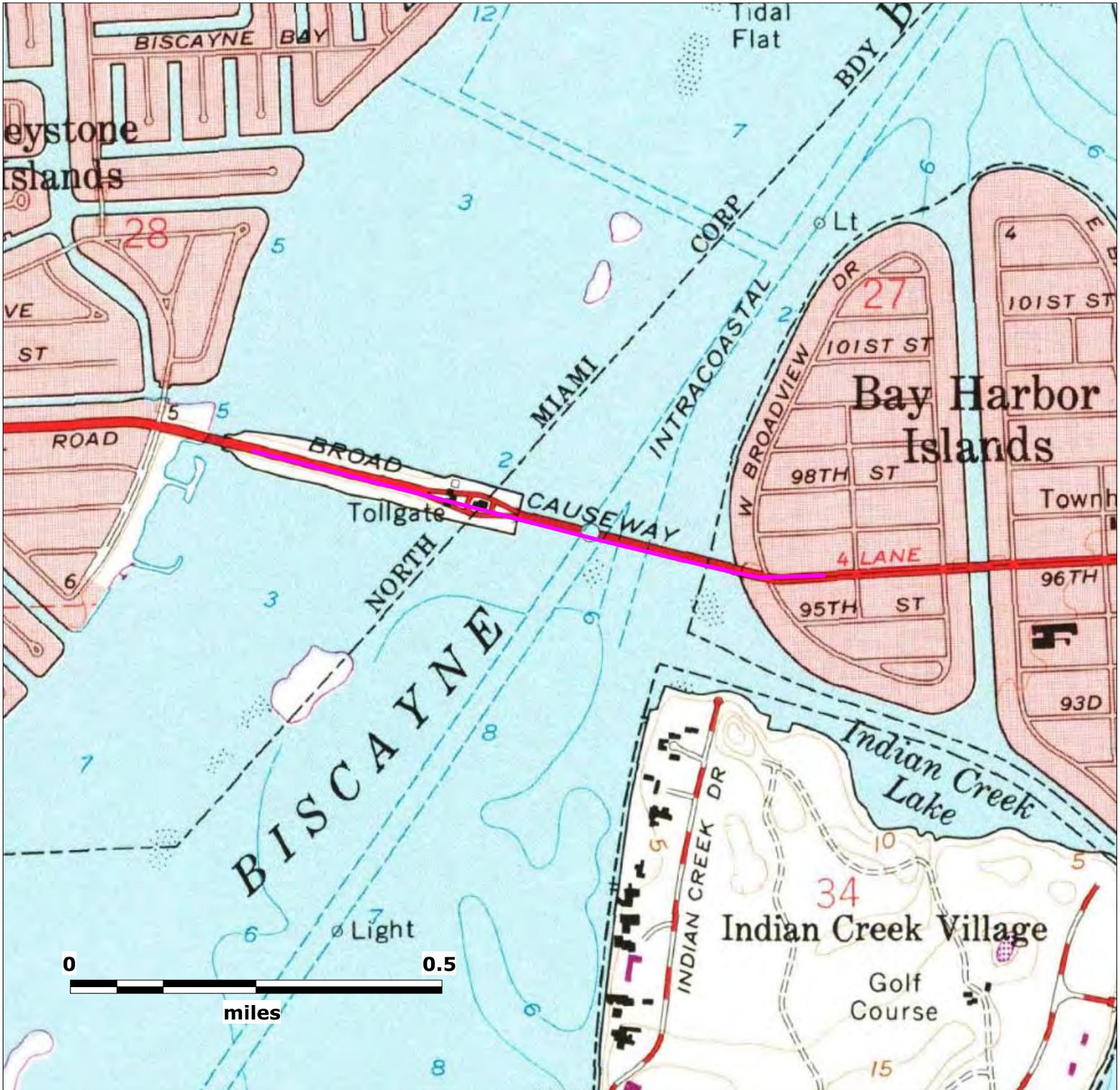
### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

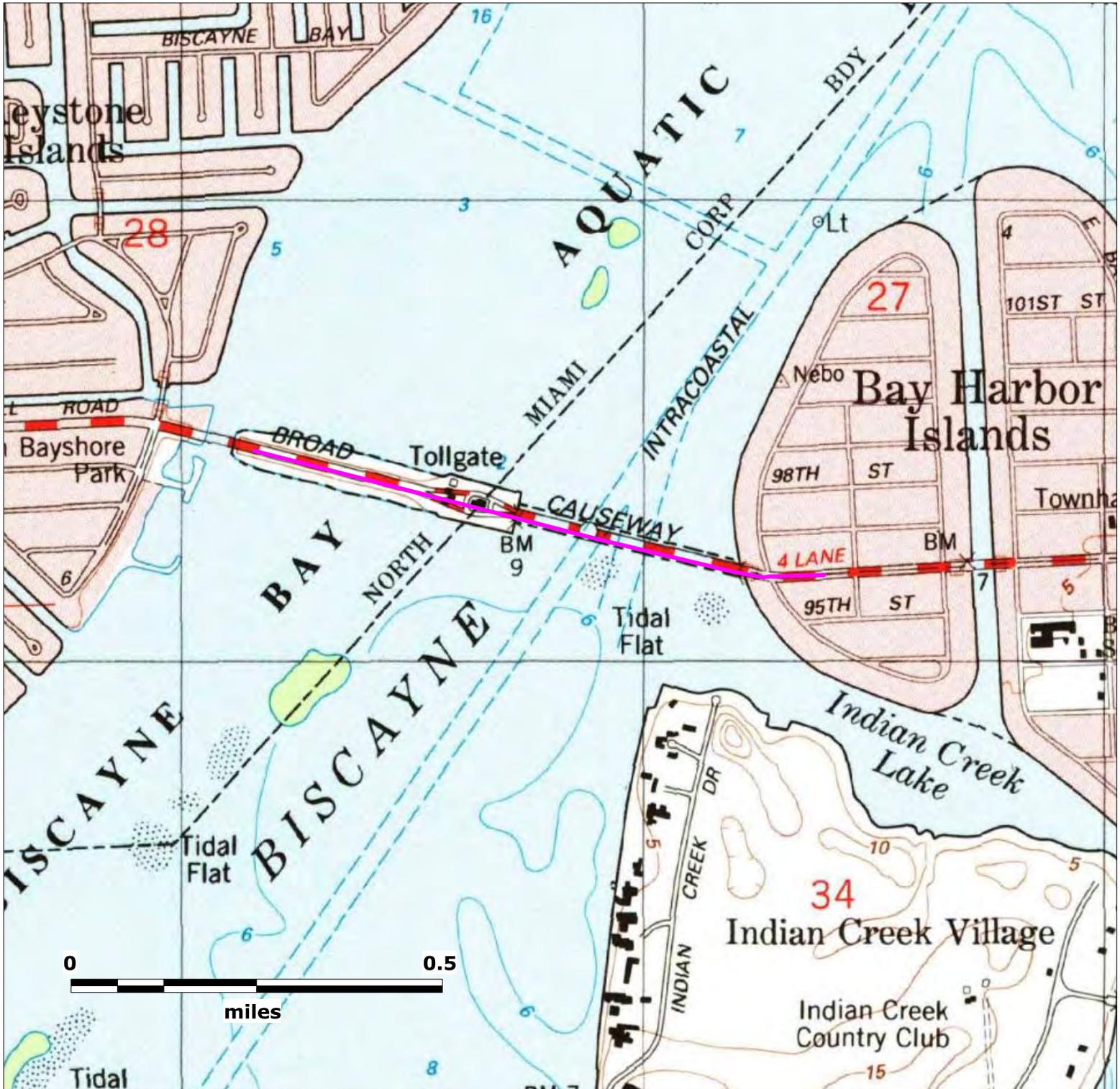
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Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

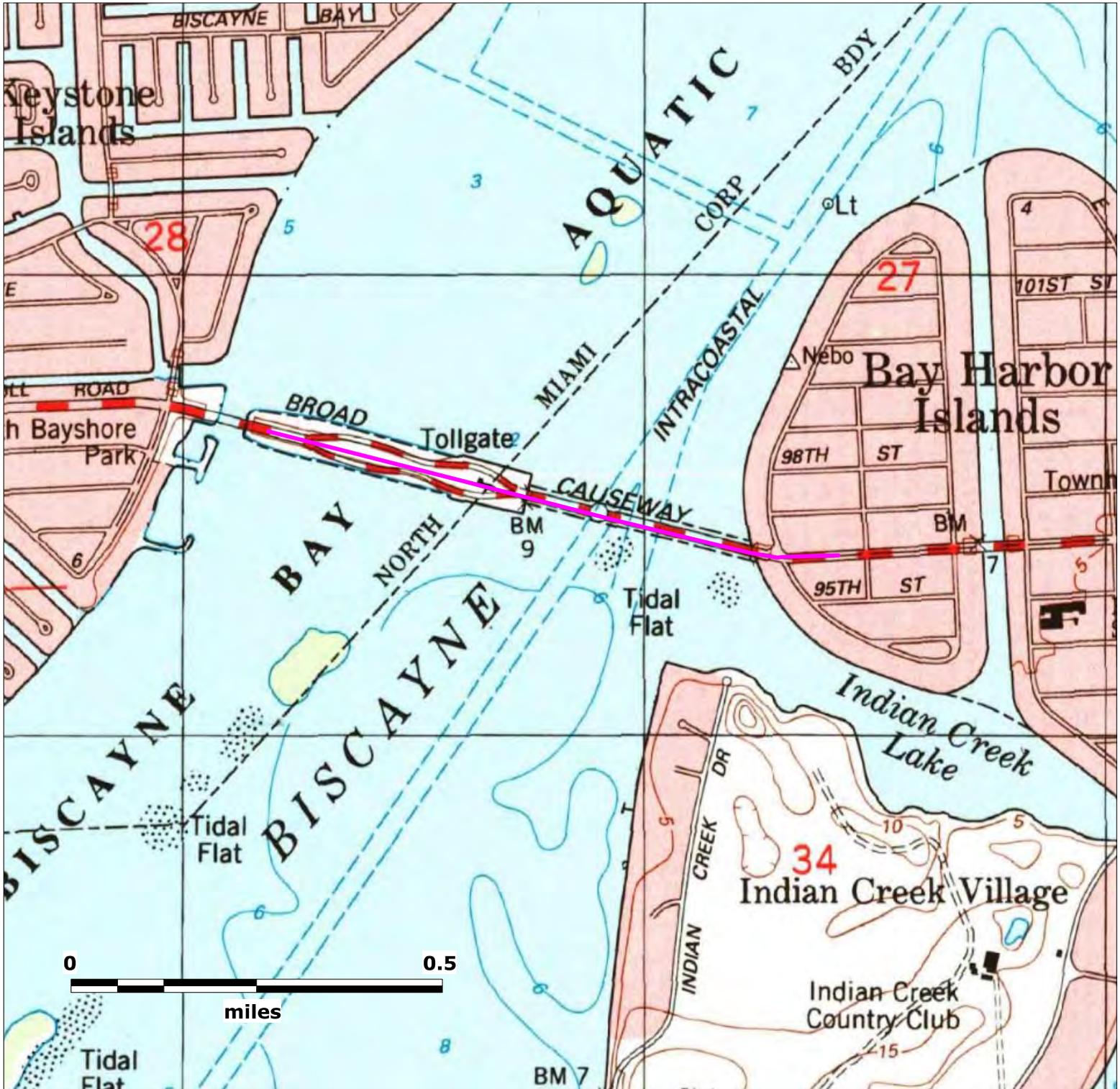
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Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

Approximate Site Location



Source: USGS Historical Topographic Map Collection

Map Scale and Property Boundaries are Approximate

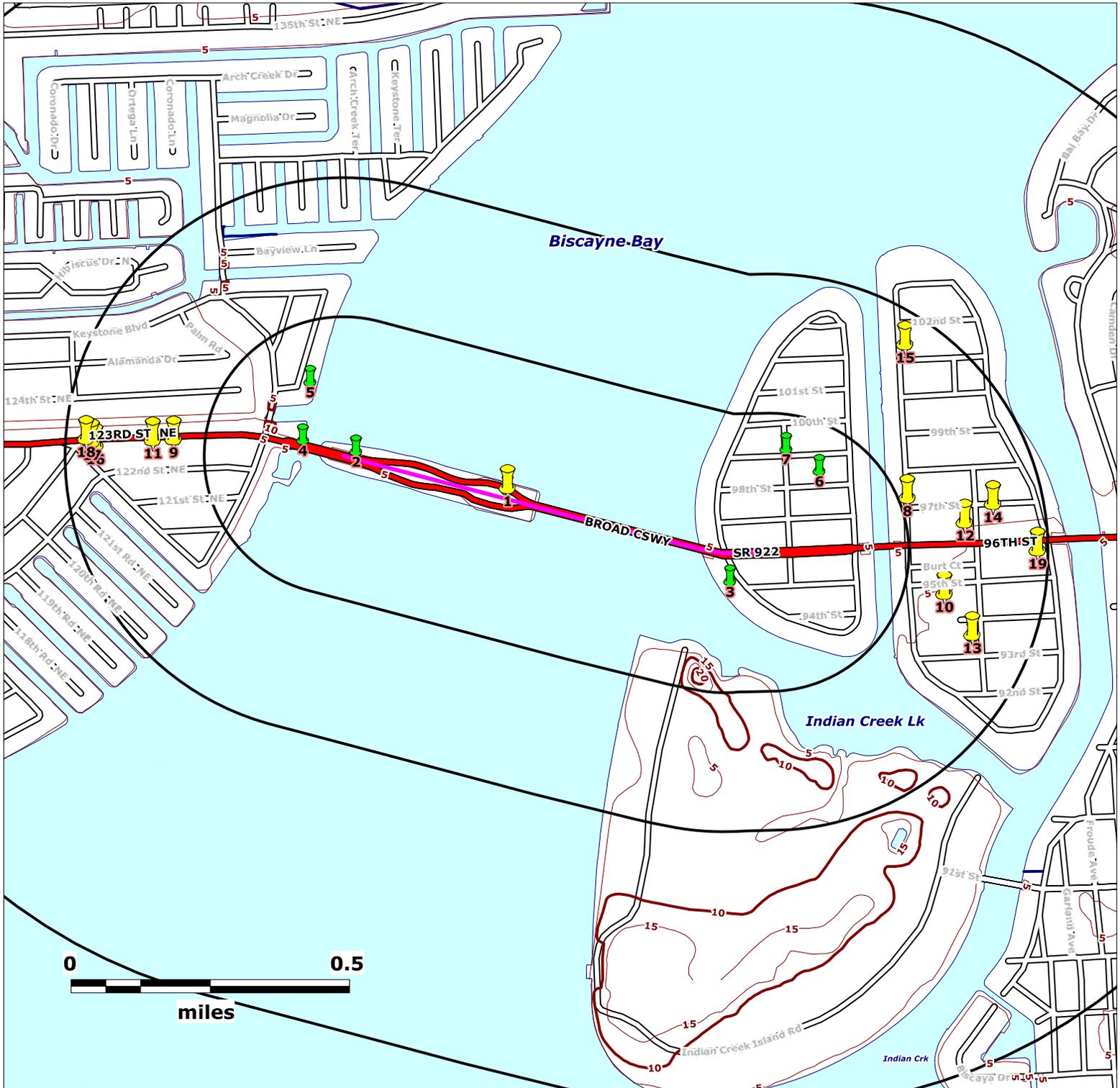
**Subject Property**

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

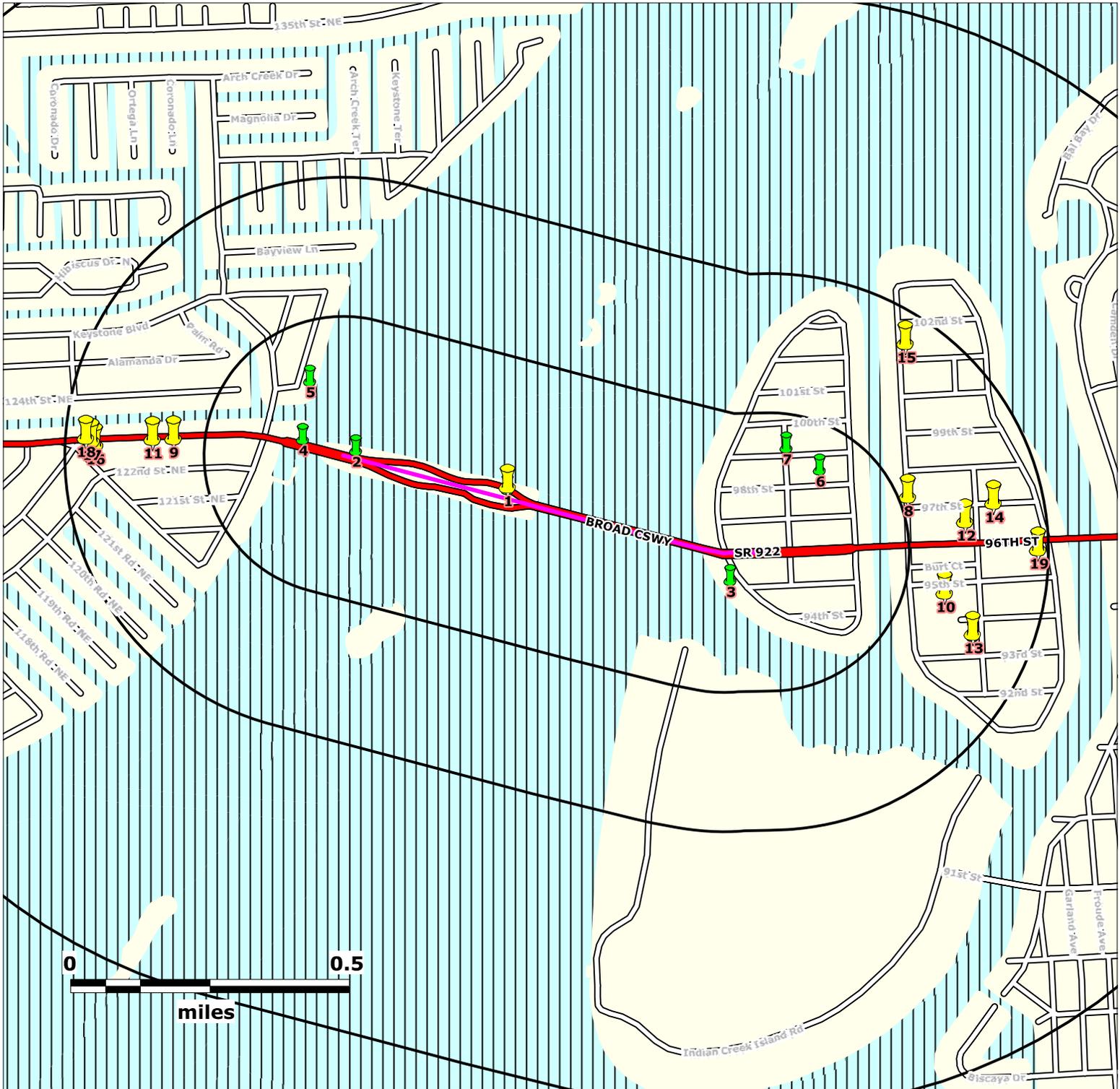


Approximate Site Boundary

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

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

ERNS, NONTSD, ECHO, TANKS, INSTENG, STRCRA, HWDMS, BRS, PADS, PCS, TRIS, FRS, NPDES & INDWST sites - 1/4 Mile Radius



Source: US Fish & Wildlife Service National Wetlands Inventory

Map Scale and Property Boundaries are Approximate

## Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

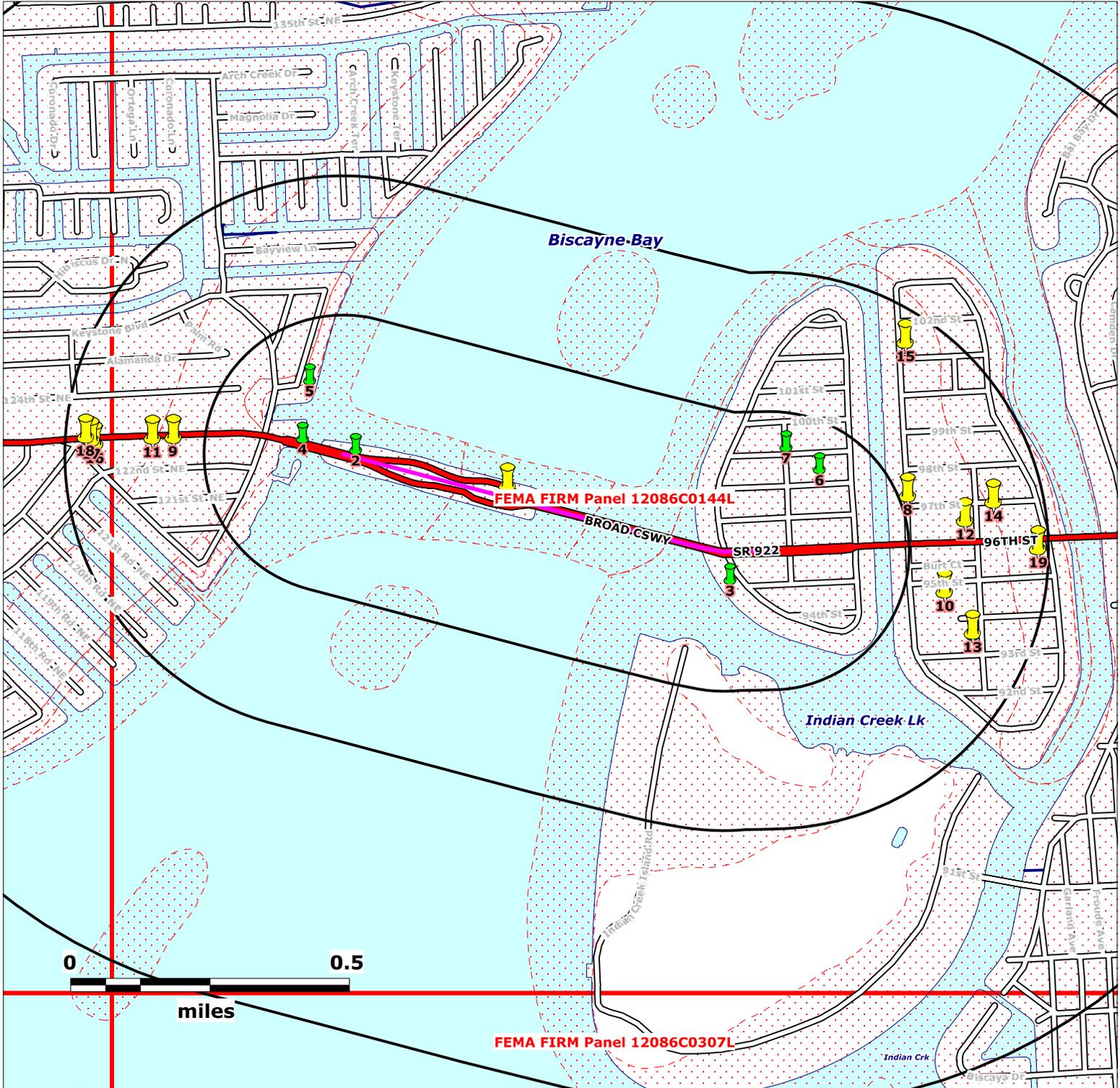
EDM Job No: 26281  
September 16, 2022

### NWI Wetlands

	Upland		Riverine
	Palustrine		Estuarine
	Lacustrine		Marine
	Freshwater Pond		

### Approximate Site Boundary

- NPL, NPLLIENS, STNPL, CORRACTS, TSD, RODS & RAATS sites - 1 Mile Radius
- CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius
- ERNS, NONTSD, ECHO, TANKS, INSTENG, STRCRA, HWDMS, BRS, PADS, PCS, TRIS, FRP, NPDES & INDWST sites - 1/4 Mile Radius



Source: US FEMA Q3 Flood Data

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

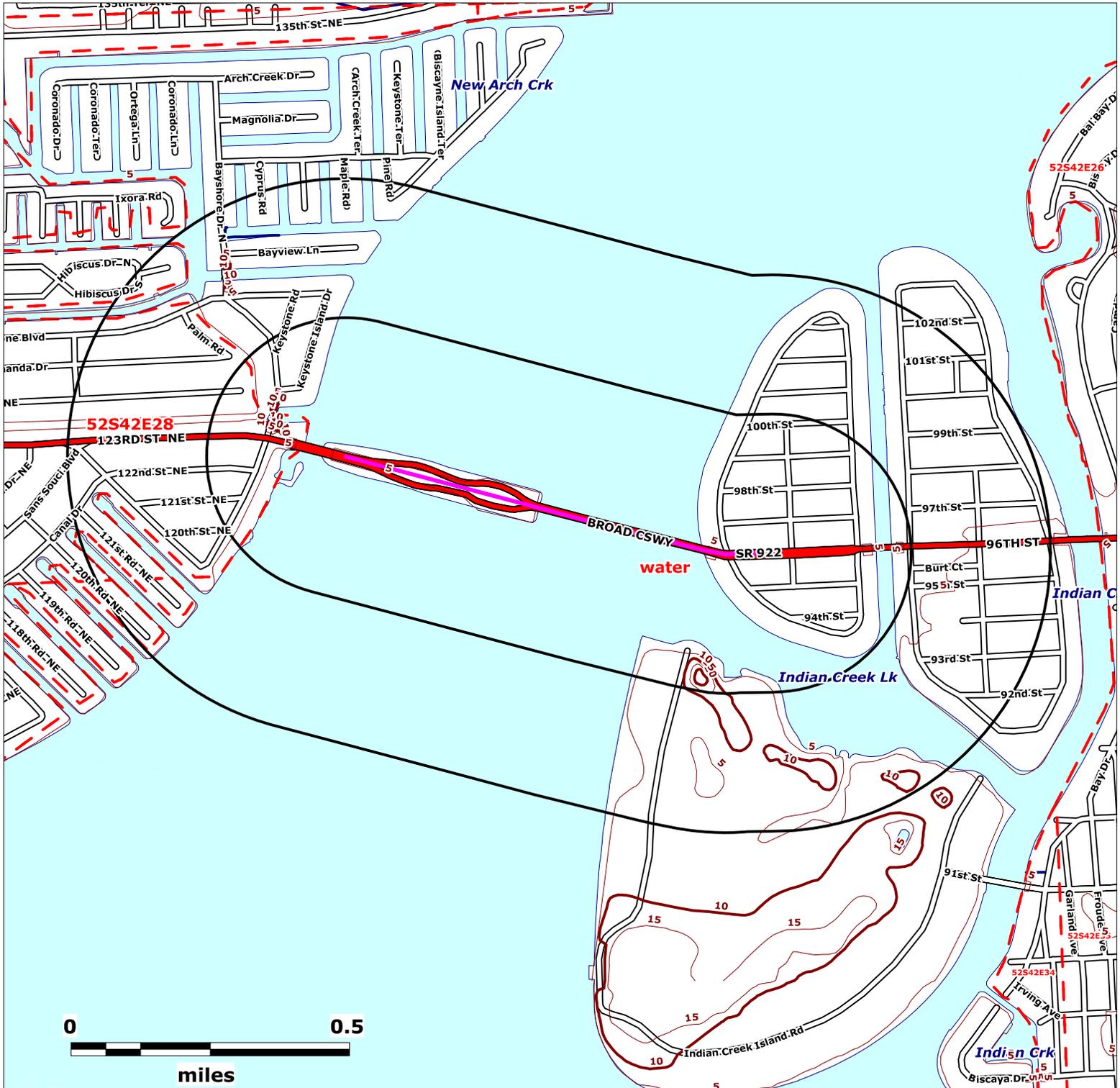
EDM Job No: 26281  
September 16, 2022

### 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, NPLLIENS, STNPL, CORRACTS, TSD, RODS & RAATS sites - 1 Mile Radius
-  CERCLIS, SEMSACTV, NFRAP, SEMSARCH, STCERC, SLDWST, LUST, BRWNFLDS, VOLCLNUP & DRY sites - 1/2 Mile Radius
-  ERNS, NONTSD, ECHO, TANKS, INSTENG, STRCRA, HWDMS, BRS, PADS, PCS, TRIS, FRS, NPDES & INDWST sites - 1/4 Mile Radius



Source: US Census Bureau TIGER Files

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 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

## Premium ASTM Research

### Site Summary Table

Report Date: 9/16/2022

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MapID Prgm List	Fac ID No	Site Dist(mi) Direction	Site Name	Site Address
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# Agency List Descriptions

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

## Florida Department of Environmental Protection (FDEP)

### State Designated Brownfields(BRWNFLDS)

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

**Agency File Date:** 8/12/2022

**Received by EDM:** 8/15/2022

**EDM Database Updated:** 8/15/2022

### 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 Drinking 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:** 8/15/2022

**Received by EDM:** 8/15/2022

**EDM Database Updated:** 8/15/2022

### 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:** 8/19/2022

**Received by EDM:** 8/19/2022

**EDM Database Updated:** 8/19/2022

### 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

### State Hazardous Waste Notifiers(STRCRA)

The STRCRA list is derived from the FDEP Hazardous Waste Compliance & Enforcement Tracking database (CHAZ). This data includes facilities that Generate, Transport, Treat, Store and/or Dispose of hazardous waste. This data also includes facilities that are now closed.

**Agency File Date:** 10/21/2021

**Received by EDM:** 10/21/2001

**EDM Database Updated:** 10/21/2021

### 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:** 9/6/2022

**Received by EDM:** 9/6/2022

**EDM Database Updated:** 9/6/2022

## 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 Public 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 CERCLIS 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:** 9/6/2022

**Received by EDM:** 9/7/2022

**EDM Database Updated:** 9/7/2022

## 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 proposed 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

## USEPA and State Supplemental Lists

### RCRAInfo Data System Hazardous Waste Biennial Report(BRS)

The USEPA RCRAInfo Hazardous Waste Biennial Report ( BRS) collects data on the generation and management of hazardous waste from Large Quantity Generators and Treatment, Storage and Disposal facilities (TSD's).

**Agency File Date:** 9/2/2019

**Received by EDM:** 5/20/2020

**EDM Database Updated:** 5/22/2020

### Facility Registry System(FRS)

The US EPA Facility Registry System (FRS) is a centrally managed database of sites that are regulated by Program Offices of the EPA; such as Air, Water and Waste. The FRS has replaced the Facility Index System ( FINDS) list.

**Agency File Date:** 5/4/2021

**Received by EDM:** 5/14/2021

**EDM Database Updated:** 6/18/2021

### Hazardous Waste Data Management System(HWDMS)

The US EPA Hazardous Waste Data Management System (HWDMS) list is a historical database replaced by RCRIS. The HWDMS list was used to track sites involved in the Generation, Transportation, Treatment, Storage and/or Disposal of hazardous waste.

**Agency File Date:** 12/1/1991

**Received by EDM:** 2/1/1992

**EDM Database Updated:** 2/1/1992

### Industrial Wastewater Facilities Report(INDWST)

The EDM INDWST report contains information from the FDEP Wastewater Facility Regulation (WAFR) database which tracks sites that discharge Industrial Wastewaters to surface and groundwaters of the State.

**Agency File Date:** 6/13/2021

**Received by EDM:** 6/18/2021

**EDM Database Updated:** 6/22/2021

### National Pollutant Discharge Elimination System(NPDES)

The US EPA ICIS-NPDES database (NPDES) tracks permit compliance and enforcement status of facilities regulated by the National Pollutant Discharge Elimination System under the Clean Water Act.

**Agency File Date:** 6/30/2019

**Received by EDM:** 7/19/2019

**EDM Database Updated:** 7/22/2019

### PCB Activity Data System(PADS)

The USEPA PCB Activity Database (PADS) contains a listing of sites that conduct activities relative to the generation, transportation, storage and disposal of PCB's. The EPA also maintains the Transformer Registration Database which contains information on sites that have PCB Transformers. Both of these databases are included in the EDM PADS Report.

**Agency File Date:** 11/1/2020

**Received by EDM:** 3/3/2021

**EDM Database Updated:** 3/4/2021

### Permit Compliance System(PCS)

The US EPA Permit Compliance System (PCS) tracks permit compliance and enforcement at facilities holding National Pollutant Discharge Elimination System (NPDES) permits. The PCS data has been migrated to the ICIS data system and is no longer actively updated.

**Agency File Date:** 10/10/2013

**Received by EDM:** 2/13/2014

**EDM Database Updated:** 2/13/2014

### RCRA Administrative Action Tracking System(RAATS)

The US EPA RAATS list is a historical RCRA enforcement database that tracked facilities found to be major violators under RCRA. Data entry in this database was discontinued in 1995.

**Agency File Date:** 8/1/1995

**Received by EDM:** 8/30/1995

**EDM Database Updated:** 9/17/1995

### Record Of Decisions System(RODS)

The US EPA RODS data contains information relative to the selection and justification of remedial actions chosen at Superfund (NPL) sites

**Agency File Date:** 1/26/2021

**Received by EDM:** 2/5/2021

**EDM Database Updated:** 2/5/2021

### Toxic Release Inventory System(TRIS)

The US EPA TRIS list identifies those facilities that are required to submit annual reports relative to the estimated routine and accidental release of toxic chemicals to the environment, as stipulated under current federal laws.

**Agency File Date:** 5/25/2022

**Received by EDM:** 6/29/2022

**EDM Database Updated:** 7/1/2022

## 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:** 8/12/2022

**Received by EDM:** 8/15/2022

**EDM Database Updated:** 8/15/2022

<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 were 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 databases. 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 address 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:** 8/15/2022

**Received by EDM:** 8/15/2022

**EDM Database Updated:** 9/7/2022

<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 responsibility 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:** 8/15/2022

**Received by EDM:** 8/15/2022

**EDM Database Updated:** 8/15/2022

<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>



## APPENDIX D – REGULATORY AGENCY FILES



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

May 18, 2005

Steven McNamara  
ANZAC Contractors Inc  
7475 SW 50th Terrace  
Miami, FL 33155

RE: Project ID: FLR10AJ00  
Broad Causeway West Relief Bridge (Rehabilitation)  
NE 123rd St  
Town of Bay Harbor Islands, FL

Dear Permittee:

The Florida Department of Environmental Protection has received and processed your *Notice of Intent to Use Generic Permit for Stormwater Discharge from Large and Small Construction Activities* (NOI) and the accompanying processing fee. This letter serves to acknowledge that your NOI is complete, your fee is paid-in-full, and your project is covered under the generic permit effective **May 12, 2005**. Your coverage under the generic permit will expire **May 11, 2010**.

The *Generic Permit for Stormwater Discharge from Large and Small Construction Activities* (CGP) was issued under the provisions of Section 403.0885, Florida Statutes, and applicable rules of the Florida Administrative Code. Until the CGP is terminated, modified or revoked, permittees that have properly obtained coverage under this permit are authorized to disturb land, to construct and operate facilities, and to discharge to surface waters in accordance with the terms and conditions of this permit.

**Your project identification number is FLR10AJ00.** Please make reference to this number on all future correspondence including any checks made out to the Department.

This letter is not your permit. Your NOI allows you to proceed with construction by complying with the CGP (DEP Document No. 62-621.300(4) (a)), a copy of which you may obtain online at <http://www.dep.state.fl.us/water/stormwater/npdes/construction3.htm> or by contacting the NPDES Stormwater Notices Center.

Key provisions of the permit are (1) implementation of your stormwater pollution prevention plan (SWPPP) that was required to be developed prior to NOI submittal; (2) conducting and documenting routine inspections as required by the permit; and (3) retention of records required by the permit, including retention of a copy of the SWPPP at the construction site, or at an alternative location as specified in your NOI, from the date of project initiation to the date of final site stabilization.

If your project will continue discharging stormwater associated with construction activity beyond expiration of the current coverage, request for continued coverage shall be made by filing a

"More Protection, Less Process"

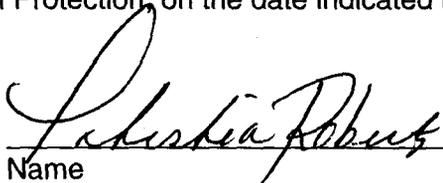
Printed on recycled paper.

completed NOI at least 2 days before expiration of the current coverage period. If you discontinue discharging stormwater associated with construction activity, or otherwise qualify to discontinue coverage under the CGP, you may terminate permit coverage by filing a Notice of Termination of Generic Permit Coverage (NOT).

If you have any questions concerning this acknowledgment letter, please contact the NPDES Stormwater Notices Center at (866) 336-6312 or (850) 297-1232.

CERTIFICATE OF SERVICE

THE UNDERSIGNED HEREBY CERTIFIES that the foregoing acknowledgment of coverage under the Construction Generic Permit Rule 62-621.300(4), F.A.C., was mailed by Science Applications International Corporation working under FDEP Contract Number WM788, on behalf of the Florida Department of Environmental Protection, on the date indicated below via the United States Postal Service.

  
Name \_\_\_\_\_ Date 5/18/2005



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
BOB MARTINEZ CENTER  
2600 BLAIRSTONE ROAD  
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

April 13, 2015

Daniel Halley  
Halley Engineering Contractors, Inc  
13901 NW 118 Avenue  
Miami, Fl 33178

RE: **Facility ID: FLR10NG63**  
SR 922 (Broad Causeway)  
County: Miami-Dade

Dear Permittee:

The Florida Department of Environmental Protection has received and processed your *National Pollutant Discharge Elimination System Stormwater Notice of Termination* (NOT). This letter acknowledges that your coverage under the *Generic Permit for Stormwater Discharge from Large and Small Construction Activities* has been terminated. Termination will also apply for operators who have selected non-contaminated dewatering operations as part of their construction activities. This letter does not release you from liability for any previous violations of the conditions of the permit.

Be advised, if the project site referenced in the NOT has not been finally stabilized, stormwater discharge from the project site is unlawful.

Projects that discharged stormwater associated with construction activity to a municipal separate stormwater system (MS4) shall submit a copy of the NOT or the Acknowledgement Letter within 7 days of receipt to the operator of the MS4.

If you have any questions concerning this letter, please contact the NPDES Stormwater Notices Center at (866) 336-6312 (toll-free).

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Baral'.

Krishna P Baral  
Data Entry Operator  
NPDES Stormwater Program



July 27, 2022

Mr. Sergio Lanatta  
Miami-Dade County  
Department of Regulatory & Economic Resources  
Division of Environmental Resources Management  
701 NW 1st Court, Suite 400  
Miami, Florida, 33136

**SUBJECT: Interim Assessment Report  
Sunshine #08  
1501 Broad Causeway  
Bay Harbor Islands, Florida  
FDEP Facility ID No. 13/8503822  
Purchase Order No. BAD4A4 – Task 2**

Dear Mr. Lanatta:

Earth Systems, Inc. is pleased to submit this *Interim Assessment Report* to the Miami-Dade County Division of Environmental Resources Management (DERM) for the Sunshine #08 property (site). This report summarizes the results of soil and groundwater assessment activities completed at the site in June 2022 in accordance with Task 2 of Florida Department of Environmental Protection (FDEP) Purchase Order (PO) No. BAD4A4. The report includes a summary of the field activities, soil and groundwater analytical data, and conclusions and recommendations for further action. A Site Plan depicting the property boundaries and structures and monitoring well locations is included as **Figure 1**.

### **PRE-DRILLING TELECONFERENCE**

Kelly Arbogast of Earth Systems, Kevin Bonacum of Preferred Drilling Solution, Inc. (PDS), and Sergio Lanatta of DERM participated in a teleconference pre-drilling meeting on May 10, 2022 to confirm the proposed soil boring and monitoring well locations and review the scope of work. A summary of the pre-drilling teleconference is included in **Appendix A**.

### **SOIL ASSESSMENT**

Earth Systems supervised PDS during the advancement of thirteen (13) soil borings using a core drill and hand auger equipment on June 8 and 9, 2022. Soil boring SB-34/MW-17 and SB-35/MW-18 were completed prior to the installation of their respective monitoring wells and completed to total depths of 12 feet and 15 feet below land surface (bls), respectively. Soil borings SB-23A, SB-23B, SB-24A, and SB-24B were completed to 4 feet bls within one foot of former soil borings SB-23 and SB-24,

respectively, to confirm and vertically delineate soil impacts in the vicinity of the former northern underground storage tank (UST) excavation area. Soil borings SB-26A and SB-26B were completed to 4 feet bls within one foot of former soil boring SB-26 to confirm and vertically delineate soil impacts detected in the area of the former waste oil tank.

Soil borings SB-23N, SB-23E, and SB-23S were completed for horizontal delineation of soil impacts detected in soil boring SB-23. Soil borings SB-26N, SB-26E, SB-26S, and SB-26W were completed for horizontal delineation of soil impacts detected in the area of soil boring SB-26. Delineation soil samples were placed on hold for contingent analysis based on the laboratory analytical results of confirmatory soil samples SB-23A and SB-26A.

Soil samples were collected from soil borings SB-23A, SB-23B, SB-24A, SB-24B, SB-26A, SB-26B, SB-23N, SB-23E, SB-23S, SB-26N, SB-26E, SB-26S, SB-26W, SB-34, and SB-35 at two-foot intervals from land surface to boring termination. The samples were screened using an organic vapor analyzer (OVA) equipped with a photoionization detector. Organic vapors ranged from less than one part per million (ppm) to 9.4 ppm in the samples collected from the vadose zone. Organic vapors were not detected in the samples collected from the saturated zone. Soil screening results are summarized on **Table 1** and depicted on **Figure 2A**.

Twenty-three (23) vadose zone soil samples were collected for laboratory analysis on June 8 and 9, 2022. Soil samples were collected from soil borings SB-23A, SB-23B, SB-24A, SB-24B, SB-26A, SB-26B, SB-23N, SB-23E, SB-23S, SB-26N, SB-26E, SB-26S, and SB-26W at a depth of 2 to 4 feet bls, the two-foot interval directly above the water table. The samples were packed on ice and delivered to Eurofins Test America (Eurofins) for analysis. Soil samples collected from soil borings SB-23A, SB-23B, SB-24A, and SB-24B were to be analyzed for polynuclear aromatic hydrocarbons (PAHs) using EPA Method 8270D, and soil samples collected from soil borings SB-26A, SB-26B, SB-26N, SB-26E, SB-26S, and SB-26W were to be analyzed for total arsenic using EPA Method 6010D.

Soil samples were also collected from soil borings SB-23A, SB-24A, SB-26A, SB-23N, SB-23E, SB-23S, SB-26N, SB-26E, SB-26S, and SB-26W at a depth of 0 to 2 feet bls for vertical delineation and placed "on-hold" for contingent analysis based on the results of the corresponding 2 to 4 feet bls sample interval. Based on email correspondence with DERM on June 22, 2022, Earth Systems instructed the laboratory to perform analysis for PAHs on the soil samples collected from soil boring SB-23S at 0 to 2 feet bls and 2 to 4 feet bls and soil boring SB-24A at 0 to 2 feet bls; and to perform analysis for arsenic on the soil samples collected from soil borings SB-26N, SB-26E, SB-26S, and SB-26W at 0 to 2 feet bls. The soil samples placed "on-hold" from soil borings SB-23A, SB-23N, and SB-23E, were not analyzed as the samples collected from soil boring SB-23B did not contain tested compounds above Chapter 62-777, Florida Administrative Code (FAC) Soil Cleanup Target Levels (SCTLs).

Analytical results from the June 8 and 9, 2022 soil sampling event indicate tested compounds were present above their respective Chapter 62-777, FAC Direct Exposure SCTLs in the soil samples collected from soil borings SB-26A, SB-26B, SB-26N, SB-26E, SB-26S, and SB-26W at 0 to 2 feet bls and 2 to 4 feet bls and from soil boring SB-24B at 2 to 4 feet bls. The adsorbed hydrocarbon exceedances are summarized below:

- Benzo(a)pyrene [B(a)P] [SCTL of 0.1 milligram per kilogram (mg/kg)] was present above its Direct Exposure Residential SCTL in soil sample SB-24B at 2 to 4 feet bls at a concentration of 0.11 mg/kg.
- B(a)P Equivalent (SCTL of 0.1 mg/kg) was present above its Direct Exposure Residential SCTL in soil sample SB-24B at 2 to 4 feet bls at a concentration of 0.2 mg/kg.
- Arsenic (SCTL of 12 mg/kg) was present above its Direct Exposure Commercial-Industrial SCTL in soil samples SB-26A, SB-26B, SB-26N, SB-26E, SB-26S, and SB-26W at 0 to 2 feet bls at concentrations ranging from of 6.6 mg/kg to 34 mg/kg.

Analytical results from the June 2022 soil sampling event indicate tested compounds were not present in excess of SCTLs in the samples collected from soil borings SB-23A and SB-23B. Soil analytical data are summarized on **Tables 2A** through **2E** and depicted on **Figure 2B**. Copies of the field notes, soil boring logs, and equipment calibration form are provided in **Appendix A**. A copy of the laboratory analytical report is included in **Appendix B**.

## GROUNDWATER ASSESSMENT

### Monitoring Well Installation

Earth Systems supervised PDS during the installation of delineation monitoring wells MW-17 and MW-18 on June 8, 2022. Due to the low overhead clearance beneath the canopy at the proposed location of MW-17, monitoring well MW-17 was installed at a 45-degree angle using direct push technology (DPT) and constructed with 5 feet of 1-inch diameter solid polyvinyl chloride (PVC) riser and 10 feet of 0.010-inch slotted pre-packed PVC screen. Monitoring well MW-18 was installed to a total depth of 12 feet bls using DPT and constructed with 2 feet of 1-inch diameter solid PVD riser and 10 feet of 0.010-inch slotted pre-packed PVC screen. The locations of the monitoring wells are depicted on **Figure 1**, and well construction details are summarized on **Table 4**. Photo documentation and copies of the field notes, monitoring well construction and development logs, and State of Florida Well Completion Reports are included in **Appendix A**.

Two 55-gallon drums of non-hazardous petroleum contact water were generated during the development of the monitoring wells on June 9, 2022. On July 6, 2022, EnviroServe (formerly Clark Environmental) picked up the drums for offsite disposal. A copy of waste manifest is included in **Appendix A**.

### Groundwater Sampling Event

Groundwater samples were collected from monitoring wells RW-1, TW-1R, CW-1, CW-2, CW-3, CW-5, CW-6, CW-7, CW-8, MW-2R, MW-3R, MW-5R, MW-10, MW-15R, MW-17, and MW-18 between June 20 and June 22, 2022. Prior to sample collection, the water in each monitoring well was inspected for free product using an oil/water interface probe. Free product was not detected. The monitoring wells were purged in accordance with the FDEP groundwater sampling standard operating procedures. The samples were delivered to Eurofins for laboratory analysis. The samples collected from monitoring wells RW-1, TW-1R, CW-1, CW-2, CW-3, CW-5, CW-6, CW-7, CW-8, MW-2R, MW-3R, MW-5R, MW-10, and MW-15R were analyzed for benzene, toluene, ethylbenzene, total xylenes, and methyl tert-butyl ether (BTEX/MTBE) using EPA Method 8260B. The sample collected from monitoring well MW-17 was analyzed for the Used Oil/Unknown Product Analytical Group using multiple EPA methods. The sample collected from monitoring well MW-18 was analyzed for PAHs using EPA Method 8270C SIMS.

Analytical results from the June 2022 sampling event indicate dissolved hydrocarbon concentrations were detected above Chapter 62-777, FAC Groundwater Cleanup Target Levels (GCTLs) in the samples collected from monitoring wells CW-3, CW-5, MW-2R, MW-10, MW-15R, MW-17, and MW-18. Dissolved hydrocarbon exceedances are summarized below:

- Benzene [GCTL of 1 microgram per liter ( $\mu\text{g/L}$ )] was detected above its GCTL in monitoring wells CW-5, MW-2R, MW-15R, MW-17, and MW-18 at concentrations ranging from 2.9  $\mu\text{g/L}$  to 83  $\mu\text{g/L}$ .
- Toluene (GCTL of 40  $\mu\text{g/L}$ ) was detected above its GCTL in monitoring well MW-18 at a concentration of 51  $\mu\text{g/L}$ .
- Ethylbenzene (GCTL of 30  $\mu\text{g/L}$ ) was detected above its GCTL in monitoring wells CW-5, MW-10, MW-17, and MW-18 at concentrations ranging from 76  $\mu\text{g/L}$  to 390  $\mu\text{g/L}$ .
- Total Xylenes (GCTL of 20  $\mu\text{g/L}$ ) was detected above its GCTL in monitoring wells CW-3, CW-5, MW-17, and MW-18 at concentrations ranging from 24  $\mu\text{g/L}$  to 700  $\mu\text{g/L}$ .
- Naphthalene (GCTL of 14  $\mu\text{g/L}$ ) was detected above its GCTL in monitoring well MW-17 at a concentration of 28  $\mu\text{g/L}$ .

Dissolved hydrocarbon concentrations also exceeded Chapter 62-777, FAC Natural Attenuation Default Concentrations (NADCs) in the samples collected from monitoring wells CW-3 and MW-18. Dissolved hydrocarbon concentrations were not detected above GCTLs in the samples collected from monitoring wells RW-1, TW-1R, CW-1, CW-2, CW-6, CW-7, CW-8, MW-3R, and MW-5R. Analytical results are summarized on **Tables 3A** and **3B** and are depicted on **Figure 3**. Copies of the field notes, groundwater

sampling logs, and equipment calibration forms are included in **Appendix A**. A copy of the laboratory analytical report is included in **Appendix B**.

Earth Systems gauged water levels in the sampled monitoring wells prior to purging the monitoring wells for the collection of a groundwater samples on June 20, 2022. Depth-to-water ranged from 2.83 feet bls in monitoring well MW-15R to 4.93 feet bls in monitoring well RW-1. Groundwater elevation data collected during the June 20, 2022 gauging event indicates the groundwater flow is generally towards the north-northwest. Groundwater elevation data are provided on **Table 4** and presented on **Figure 4**.

## CONCLUSIONS AND RECOMMENDATIONS

Earth Systems supervised PDS during the completion of thirteen soil borings and installation of two shallow monitoring wells on June 8 and 9, 2022. Organic vapors ranged from less than one ppm to 9.4 ppm in the samples collected from the vadose zone. Laboratory analytical data indicates B(a)P and B(a)P equivalent were present at concentrations in excess of their Direct Exposure SCTLs in soil boring SB-24B at 2 to 4 feet bls. Arsenic was present above its Direct Exposure Commercial-Industrial SCTL in soil samples from borings SB-26A, SB-26B, SB-26N, SB-26E, SB-26S, and SB-26W at 0 to 2 feet bls and 2 to 4 feet bls. Based on the soil analytical data, arsenic soil impacts remain undefined in the area of the former waste oil tank and appear to extend beneath the current building structure. B(a)P soil impacts are present near soil borings SB-24 and SB-24B and may extend beneath the current building structure.

Groundwater analytical data from the June 2022 sampling event indicate dissolved hydrocarbon concentrations are present above GCTLs in monitoring wells CW-3, CW-5, MW-2R, MW-10, MW-15R, MW-17, and MW-18. Total xylenes exceeded its NADC in monitoring wells CW-3 and MW-18, and ethylbenzene exceeded its NADC in monitoring well MW-18. Dissolved hydrocarbon concentrations were not detected above GCTLs in replacement monitoring wells RW-1, TW-1R, CW-1, CW-2, CW-6, CW-7, CW-8, MW-3R, and MW-5R. The horizontal extent of dissolved hydrocarbon impacts remains undefined to the north of monitoring wells MW-15R and MW-18, to the east of monitoring wells MW-10 and MW-18, to the west of monitoring wells MW-2R and MW-15R, and south of MW-17. The vertical extent of dissolved hydrocarbon impacts in the vicinity of monitoring wells CW-3 and MW-18 also remains undefined.

Based on the results of the June 2022 investigation, Earth Systems recommends additional soil and groundwater delineation at the site. The additional assessment activities should include installation of eleven soil borings, seven shallow monitoring wells, and one deep monitoring well to delineate the soil and groundwater impacts at the site. Soil samples will be collected at the interval of 2 to 4 feet bls from each soil boring for analysis of PAHs in the area of soil borings SB-24 and SB-24B, and soil samples will be collected at 2 to 4 bls for analysis of arsenic in the area of the former waste oil tank. The proposed soil boring locations are depicted on a Soil Analytical Map in **Appendix C**. The shallow monitoring wells will be installed to 12 feet bls via hollow

stem auger and constructed with 2 feet of 2-inch diameter solid PVC riser and 10 feet of 2-inch diameter, 0.010-inch slotted PVC screen. The deep monitoring well will be installed to 25 feet bls via hollow stem auger and mud rotary within a 6-inch PVC surface casing extending to 20 feet bls. The deep monitoring well will be constructed with 20 feet of 2-inch diameter solid PVC riser and 5 feet of 2-inch diameter, 0.010-inch slotted PVC screen. The monitoring wells will be positioned at the proposed locations depicted on the Site Plan in **Appendix C**.

If you have any questions or comments regarding the information provided in this report, please contact the undersigned at (561) 889-4692.

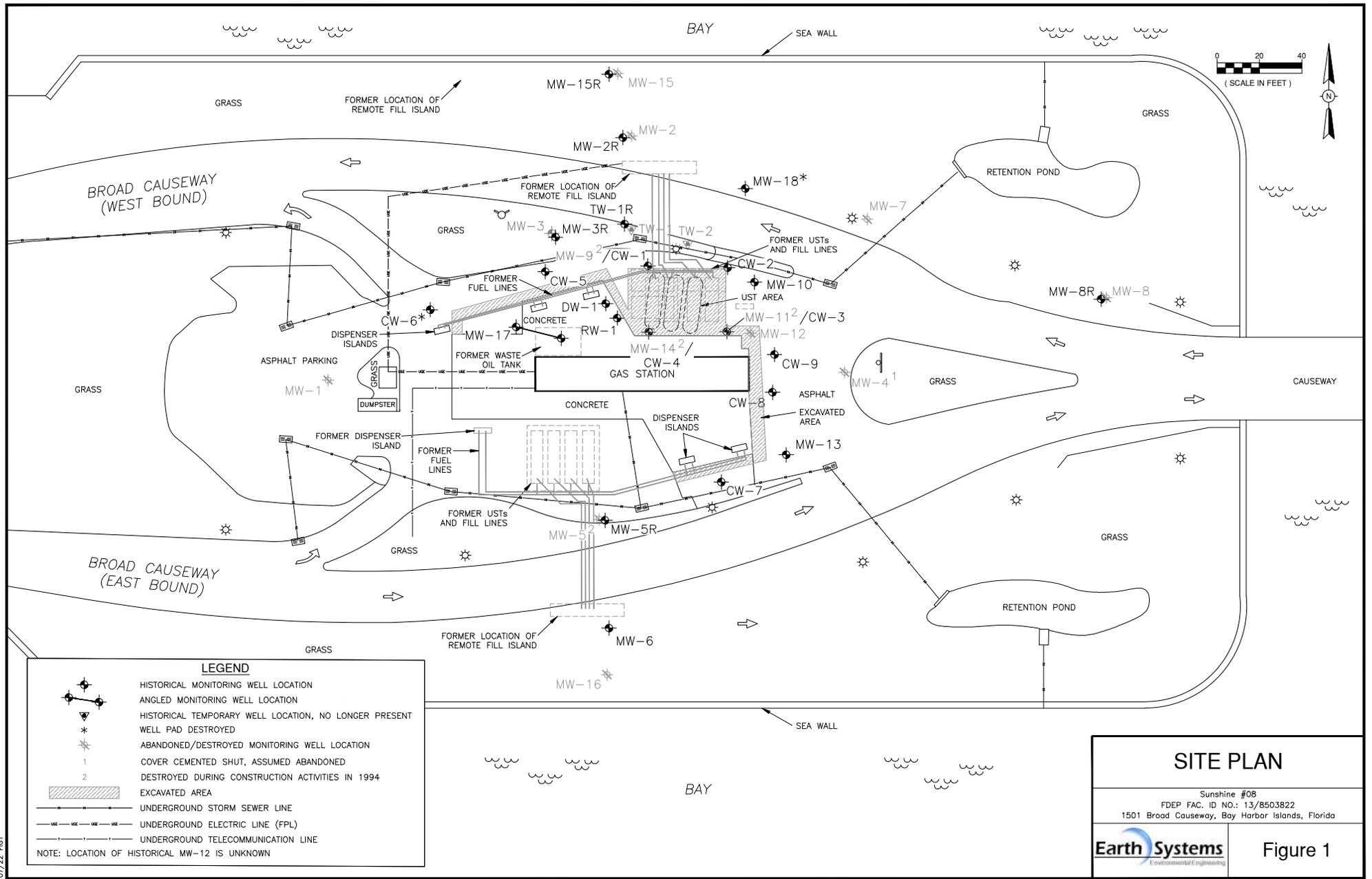
Sincerely,

**EARTH SYSTEMS**



Kelly Arbogast  
Project Manager

## FIGURES



07/22 FIG1

**LEGEND**

- HISTORICAL MONITORING WELL LOCATION
- ANGLED MONITORING WELL LOCATION
- HISTORICAL TEMPORARY WELL LOCATION, NO LONGER PRESENT
- WELL PAD DESTROYED
- ABANDONED/DESTROYED MONITORING WELL LOCATION
- 1 COVER CEMENTED SHUT, ASSUMED ABANDONED
- 2 DESTROYED DURING CONSTRUCTION ACTIVITIES IN 1994
- EXCAVATED AREA
- UNDERGROUND STORM SEWER LINE
- UNDERGROUND ELECTRIC LINE (FPL)
- UNDERGROUND TELECOMMUNICATION LINE

NOTE: LOCATION OF HISTORICAL MW-12 IS UNKNOWN

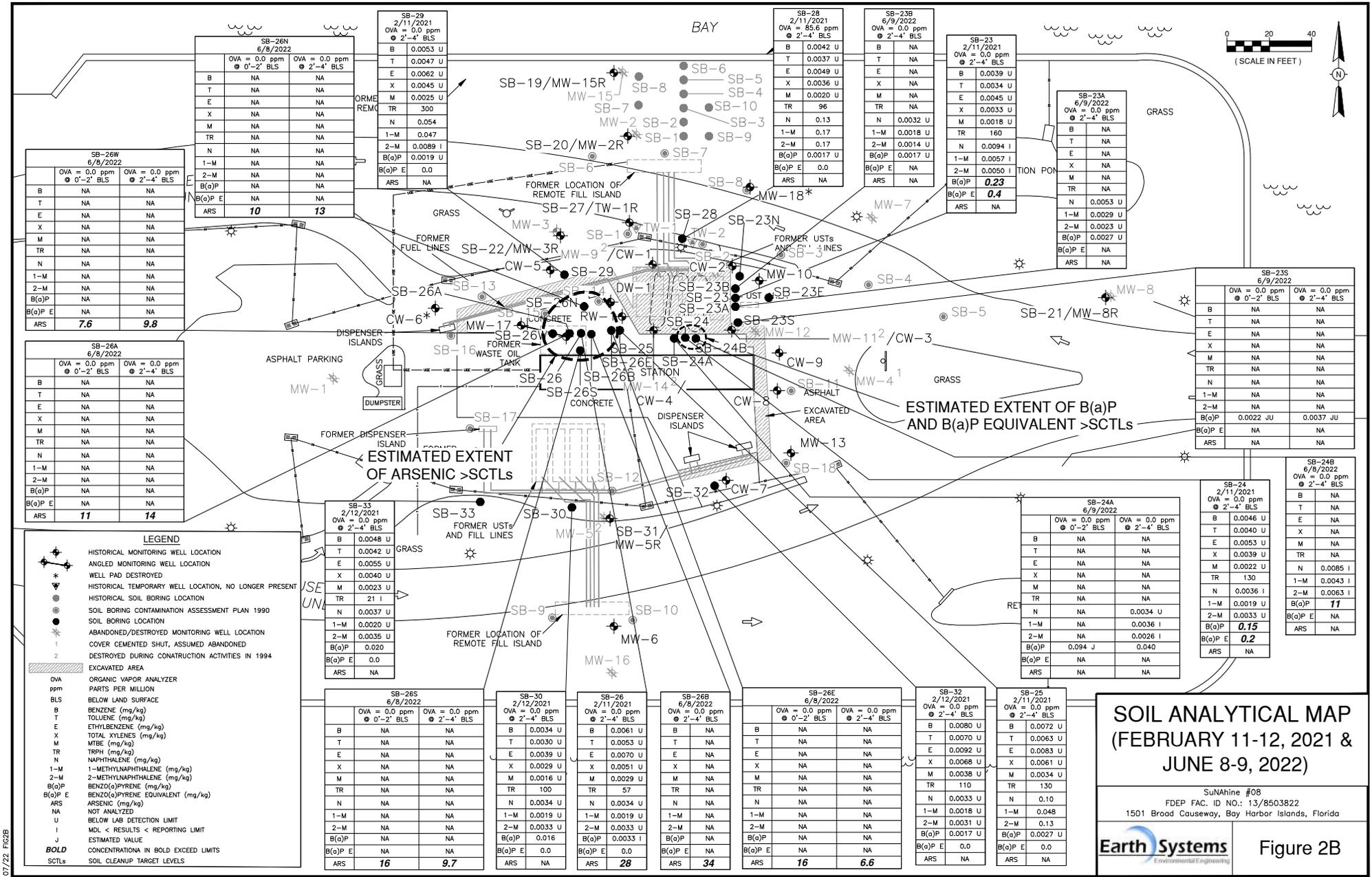
**SITE PLAN**

Sunshine #08  
 FDEP FAC. ID NO.: 13/8503822  
 1501 Broad Causeway, Bay Harbor Islands, Florida

**Earth Systems**  
 Environmental Engineering

Figure 1





**SOIL ANALYTICAL MAP**  
 (FEBRUARY 11-12, 2021 &  
 JUNE 8-9, 2022)

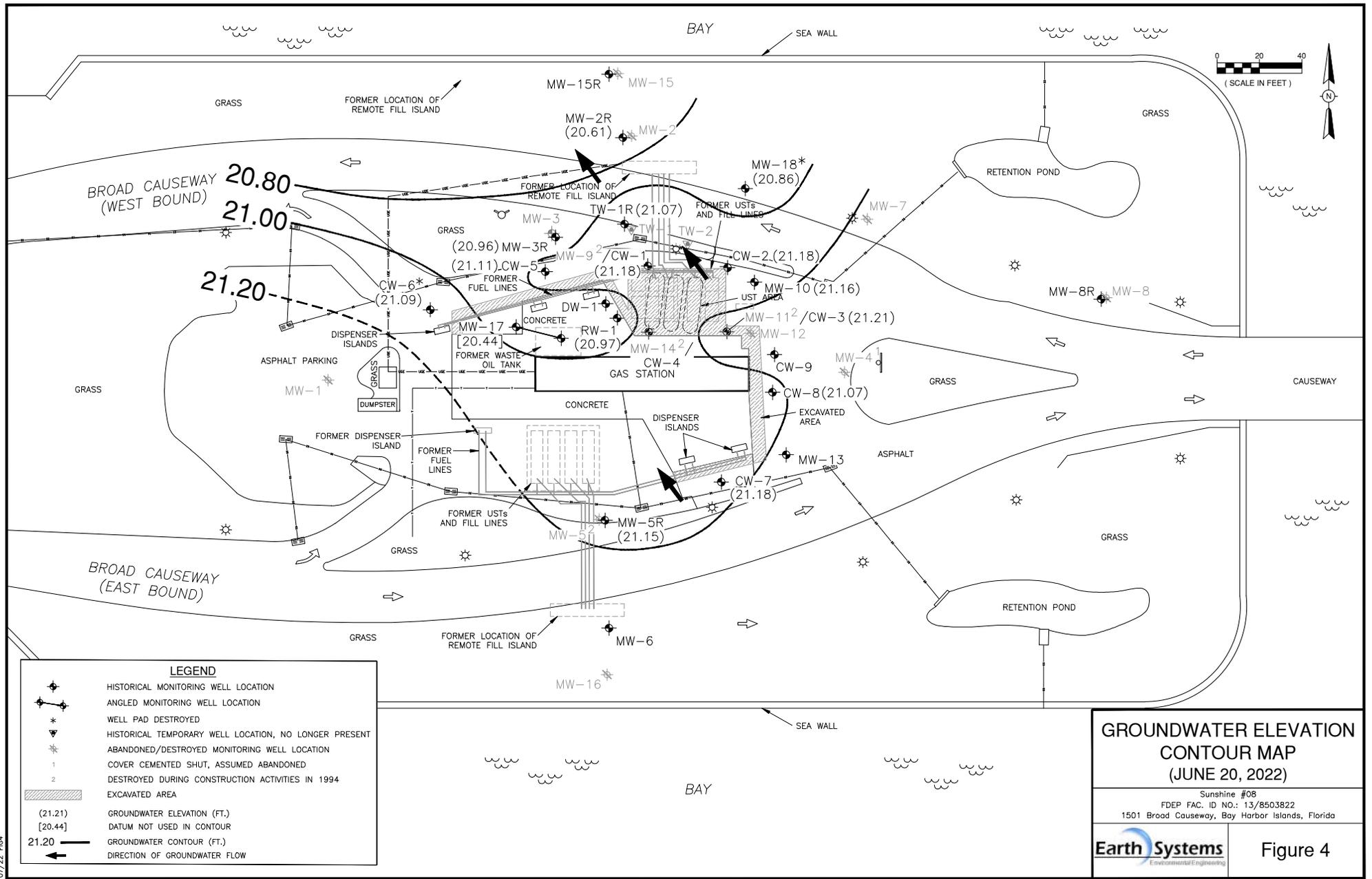
SuNahine #08  
 FDEP FAC. ID NO.: 13/8503822  
 1501 Broad Causeway, Bay Harbor Islands, Florida

**Earth Systems**  
 Environmental Engineering

**Figure 2B**

07/22 FIG2B





07/22 FIG4

## TABLES

**TABLE 1: SOIL SCREENING RESULTS**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

SAMPLE				OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-1	12/14/89		0-2	--	--	--	
			2-4	--	--	750	
			4-6	--	--	300	
			6-8	--	--	190	
			8-10	--	--	875	
SB-2	12/14/89		0-2	--	--	--	
			2-4	--	--	--	
			4-6	--	--	400	
			6-8	--	--	15-20	
SB-3	12/14/89		8-10	--	--	30-40	
			0-2	--	--	13	
			2-4	--	--	45	
			4-6	--	--	10-20	
SB-4	12/14/89		6-8	--	--	150-400	
			8-10	--	--	15	
			0-2	--	--	4-5	
			2-4	--	--	300	
SB-5	12/14/89		4-6	--	--	300	
			6-8	--	--	350	
			8-10	--	--	5-8	
			0-2	--	--	--	
SB-6	12/14/89		2-4	--	--	--	
			4-6	--	--	--	
			6-8	--	--	--	
			8-10	--	--	--	
SB-7	12/14/89		0-2	--	--	--	
			2-4	--	--	5	
			4-6	--	--	<10	
			0-2	--	--	13	
SB-8	12/14/89		3.5-5.5	--	--	<5	
			5.5-7.5	--	--	<5	
			7.5-9.5	--	--	<5	
			0-2	--	--	0	
SB-9	12/15/89		2-4	--	--	<5	
			4-6	--	--	5-10	
			6-8	--	--	5-10	
			8-10	--	--	5-10	
SB-10	12/15/89		2-4	--	--	30	
			4-6	--	--	150	
			6-8	--	--	60	
			8-10	--	--	15	
SB-11	12/15/89		2-4	--	--	<5	
			4-6	--	--	140	
			6-8	--	--	30-40	
			8-10	--	--	<5	
SB-11	12/15/89		0-2	--	--	<5	
			2-4	--	--	<10	
			4-6	--	--	14	
			6-8	--	--	25	
			8-10	--	--	<5	

**TABLE 1: SOIL SCREENING RESULTS**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

SAMPLE				OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-12	12/15/89		0-2	--	--	5-10	
			2-4	--	--	75-225	
			4-6	--	--	32	
			6-8	--	--	10	
			8-10	--	--	28	
SB-13	12/15/89		0-2	--	--	<1	
			2-4	--	--	5-15	
			4-6	--	--	<5	
			6-8	--	--	<1	
			8-10	--	--	<1	
SB-14	12/15/89		2-4	--	--	20-25	
			4-6	--	--	35	
			6-8	--	--	140	
			8-10	--	--	30	
SB-15	12/15/89		2-4	--	--	<5	
			4-6	--	--	120	
			6-8	--	--	35	
			8-10	--	--	<5	
SB-16	12/15/89		2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	10	
			8-10	--	--	28	
SB-17	12/15/89		2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	0	
SB-18	12/15/89		4-6	--	--	0-1	
MW-1	02/15/90		0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	<1	
			9-18	--	--	--	
MW-2	02/15/90		0-2	--	--	<1	
			2-4	--	--	50	Distinct odor
			4-6	--	--	120	Distinct odor
			6-8	--	--	5	Moderate odor
			~15	--	--	~10	
MW-3	02/16/90		0-2	--	--	70	Distinct odor
			2-4	--	--	110	Distinct odor
			4-6	--	--	130	Distinct odor
			6-8	--	--	--	
			8-10	--	--	250	
			~15	--	--	--	
MW-4	02/16/90		0-2	--	--	<1	
			2-4	--	--	<1	
			4-6	--	--	<1	
			6-8	--	--	<1	
			8-10	--	--	<1	
MW-5	02/16/90		0-2	--	--	65	
			2-4	--	--	35	
			4-8	--	--	20	
			8-10	--	--	20	
MW-6	02/16/90		0-2	--	--	5-10	
			2-4	--	--	30	
			4-6	--	--	90	
			6-8	--	--	75	
			8-10	--	--	3	
SB-19	03/13/90		0-2	--	--	<1	
			2-4	--	--	3	
			4-6	--	--	1-2	
			6-8	--	--	78	Distinct odor
			8-10	--	--	14	

**TABLE 1: SOIL SCREENING RESULTS**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

SAMPLE				OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-20	03/13/90		0-2	--	--	<1	
			2-4	--	--	<1	
			4-6	--	--	<1	
			6-8	--	--	83	Distinct odor
			8-10	--	--	2	
SB-21	03/13/90		0-2	--	--	1	
			2-4	--	--	1	
			4-6	--	--	0	
			6-8	--	--	1-5	
			8-10	--	--	1-2	
SB-22	03/13/90		0-2	--	--	<1	
			2-4	--	--	<1	
			4-6	--	--	0	
			6-8	--	--	0	
			8-10	--	--	0	
SB-23	03/13/90		0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	32	
			6-8	--	--	80	
			8-10	--	--	2-4	
1	04/01/91		1-5	--	--	0	
			2-5	--	--	0	
2	04/01/91		2-5	--	--	0	
			6-9	--	--	0	
3	04/01/91		2-6	--	--	0	
			6-10	--	--	0	
4	04/01/91		2-7	--	--	0	
			6-11	--	--	0	
5	04/01/91		2-8	--	--	0	
			6-12	--	--	0	
6	04/01/91		2-9	--	--	0	
			6-13	--	--	0	
7	04/01/91		2-10	--	--	0	
			6-14	--	--	0	
8	04/01/91		2-11	--	--	0	
			6-15	--	--	0	
9	04/01/91		2-12	--	--	0	
			6-16	--	--	0	
10	04/01/91		2-13	--	--	0	
			6-17	--	--	0	
SB-50	07/17/93		0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	942	
SB-51	07/17/93		0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	0	
SB-52	07/17/93		0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	207	
SB-53	07/17/93		0-2	--	--	0	
			2-4	--	--	--	
			4-6	--	--	103	
SB-54	07/17/93		0-2	--	--	0	
			2-4	--	--	20	
			4-6	--	--	55	
SB-55	07/17/93		0-2	--	--	10	
			2-4	--	--	670	
			4-6	--	--	720	
SB-56	07/17/93		0-2	--	--	--	
			2-4	--	--	0	
			4-6	--	--	690	
SB-57	07/17/93		0-3	--	--	--	
			2-5	--	--	530	
			4-7	--	--	390	

**TABLE 1: SOIL SCREENING RESULTS**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

SAMPLE				OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-19/MW-15R	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	0	
			8-10	--	--	0	
			10-12	--	--	0	
SB-20/MW-2R	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	0	
			8-10	--	--	0	
			10-12	--	--	0	
SB-21/MW-8R	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	0	
			8-10	--	--	0	
			10-12	--	--	0	
SB-22/MW-3R	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	0	
			8-10	--	--	0	
			10-12	--	--	0	
SB-23	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	0	Soil sample collected for laboratory analysis.
			4-6	--	--	0	
			6-8	--	--	547	
			8-10	--	--	1,005	
SB-24	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	0	Soil sample collected for laboratory analysis.
			4-6	--	--	0	
			6-8	--	--	0	
SB-25	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	0	Soil sample collected for laboratory analysis.
			4-6	--	--	741	
			6-8	--	--	2,158	
SB-26	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	0	Soil sample collected for laboratory analysis.
			4-6	--	--	2,210	
			6-8	--	--	1,691	
SB-27/TW-1R	02/12/21	~5'	0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	0	
			8-10	--	--	0	
			10-12	--	--	0	
SB-28	02/11/21	~5'	0-2	--	--	0	
			2-4	--	--	86	Soil sample collected for laboratory analysis.
			4-6	--	--	2,242	
			6-8	--	--	2,143	
SB-29	02/11/21	~5'	0-2	--	--	0	Soil sample collected for laboratory analysis.
			2-4	--	--	0	
			4-6	--	--	708	
			6-8	--	--	1,700	
SB-30	02/12/21	~5'	0-2	--	--	0	
			2-4	--	--	0	Soil sample collected for laboratory analysis.
			4-6	--	--	0	
			6-8	--	--	0	
			8-10	--	--	0	

**TABLE 1: SOIL SCREENING RESULTS**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

SAMPLE				OVA SCREENING RESULTS			COMMENTS
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLs)	TOTAL READING (ppm)	CARBON FILTERED (ppm)	NET READING (ppm)	
SB-31/MW-5R	02/12/21	~5'	0-2	--	--	0	
			2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	0	
			8-10	--	--	0	
			10-12	--	--	0	
SB-32	02/12/21	~5'	0-2	--	--	0	Soil sample collected for laboratory analysis.
			2-4	--	--	0	
			4-6	--	--	0	
			6-8	--	--	0	
SB-33	02/12/21	~5'	0-2	--	--	0	
			2-4	--	--	0	Soil sample collected for laboratory analysis.
			4-6	--	--	0	
			6-8	--	--	0	
SB-23N	06/09/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-23E	06/09/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	9.4	Soil sample collected for laboratory analysis.
SB-23S	06/09/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	2.4	Soil sample collected for laboratory analysis.
SB-23A	06/09/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-23B	06/09/22	~4'	0-2	--	--	0.0	
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-24A	06/08/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-24B	06/08/22	~4'	0-2	--	--	0.0	
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-26A	06/08/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-26B	06/08/22	~4'	0-2	--	--	0.0	
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-26N	06/08/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-26E	06/08/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-26S	06/08/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-26W	06/08/22	~4'	0-2	--	--	0.0	Soil sample collected for laboratory analysis.
			2-4	--	--	0.0	Soil sample collected for laboratory analysis.
SB-34/MW-17	06/08/22	~4'	0-2	--	--	0.0	
			2-4	--	--	0.0	
			4-6	--	--	0.0	
			6-8	--	--	0.0	
			8-10	--	--	0.0	
			10-12	--	--	0.0	
			12-14	--	--	0.0	
			15	--	--	0.0	
SB-35/MW-18	06/08/22	~4'	0-2	--	--	0.0	
			2-4	--	--	0.0	
			4-6	--	--	0.0	
			6-8	--	--	0.0	
			8-10	--	--	0.0	
			10-12	--	--	0.0	

**Notes:** Soil samples were screened using a organic vapor analyzer (OVA)  
 FBLs = Feet Below Land Surface  
 PPM = Parts Per Million  
 -- = No Sample Collected or Not Reported

**TABLE 2A: SOIL ANALYTICAL SUMMARY - VOAs and TRPH**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample				OVA	Laboratory Analyses						Comments
Boring/ Well No.	Date Collected	Sample Interval (fbls)	Depth to Water (ft)	Net OVA Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TRPH (mg/kg)	
UST-A	4/30/2019	1-3		<10	0.0029 U	0.0030 U	0.0032 U	0.0057 U	0.0028 U	94.10	
UST-B	4/30/2019	1-3		<10	0.0030 U	0.0032 U	0.0033 U	0.0060 U	0.0029 U	194	
UST-C	4/30/2019	1-3		<10	0.0030 U	0.0021 U	0.0022 U	0.0039 U	0.0019 U	107	
SB-23	2/11/2021	2-4	~5	0.0	0.0039 U	0.0034 U	0.0045 U	0.0033 U	0.0018 U	160	
SB-24	2/11/2021	2-4	~5	0.0	0.0046 U	0.0040 U	0.0053 U	0.0039 U	0.0022 U	130	
SB-25	2/11/2021	2-4	~5	0.0	0.0072 U	0.0063 U	0.0083 U	0.0061 U	0.0034 U	130	
SB-26	2/11/2021	2-4	~5	0.0	0.0061 U	0.0053 U	0.0070 U	0.0051 U	0.0029 U	57	
SB-28	2/11/2021	2-4	~5	85.6	0.0042 U	0.0037 U	0.0049 U	0.0036 U	0.0020 U	96	
SB-29	2/11/2021	0-2	~5	0.0	0.0053 U	0.0047 U	0.0062 U	0.0045 U	0.0025 U	300	
SB-30	2/12/2021	2-4	~5	0.0	0.0034 U	0.0030 U	0.0039 U	0.0029 U	0.0016 U	100	
SB-32	2/12/2021	0-2	~5	0.0	0.0080 U	0.0070 U	0.0092 U	0.0068 U	0.0038 U	110	
SB-33	2/12/2021	2-4	~5	0.0	0.0048 U	0.0042 U	0.0055 U	0.0040 U	0.0023 U	211	
SB-23A	6/9/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	

**TABLE 2A: SOIL ANALYTICAL SUMMARY - VOAs and TRPH**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample				OVA	Laboratory Analyses						Comments
Boring/ Well No.	Date Collected	Sample Interval (fbls)	Depth to Water (ft)	Net OVA Reading (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	TRPH (mg/kg)	
SB-23B	6/9/2022	2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-24A	6/8/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-24B	6/8/2022	2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-26A	6/8/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-26B	6/8/2022	2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-23N	6/9/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-23E	6/9/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	9.4	NA	NA	NA	NA	NA	NA	
SB-23S	6/9/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	2.4	NA	NA	NA	NA	NA	NA	
SB-26N	6/8/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-26E	6/8/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-26S	6/8/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
SB-26W	6/8/2022	0-2	~4'	0.0	NA	NA	NA	NA	NA	NA	
		2-4	~4'	0.0	NA	NA	NA	NA	NA	NA	
Leachability Based on Groundwater Criteria (mg/kg)					0.007	0.5	0.6	0.2	0.09	340	
Direct Exposure Residential (mg/kg)					1.2	7,500	1,500	130	4,400	460	

**Notes:** MTBE = Methyl Tert Butyl Ether  
 TRPH = Total Recoverable Petroleum Hydrocarbons  
 NA = Not analyzed  
 Exposure values based upon 62-777 F.A.C. criteria (April 17, 2005)  
 Results in bold exceed FDEP Leachability Target Levels  
 Analytical Results reported in milligrams per kilogram (mg/kg)

**Qualifiers:** U = Result below MDL  
 I = Result between MDL and PQL  
 D<sup>x</sup> = Sample diluted by a factor of x  
 MDL = Method Detection Limit  
 PQL = Practical Quantitation Limit

**TABLE 2B: SOIL ANALYTICAL SUMMARY - Non-Carcinogenic PAHs**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample				OVA	Laboratory Analyses											Comments
Boring/ Well No.	Date Collected	Sample Interval (fbls)	Depth to Water (ft)	Net OVA Reading (ppm)	Naph- thalene (mg/kg)	1-Methyl- naph- thalene (mg/kg)	2-Methyl- naph- thalene (mg/kg)	Acen- aph- thene (mg/kg)	Acen- aph- thylene (mg/kg)	Anthra- cene (mg/kg)	Benzo (g,h,i) perylene (mg/kg)	Fluoran- thene (mg/kg)	Fluor- ene (mg/kg)	Phenan- threne (mg/kg)	Pyrene (mg/kg)	
UST-A	4/30/2019	1-3	--	<10	0.13	0.24	0.43	--	--	--	0.056 I	0.095 I	--	0.033 U	0.13	
UST-B	4/30/2019	1-3	--	<10	0.16	0.27	0.52	--	--	--	0.035 I	0.035 I	--	0.17	0.12	
UST-C	4/30/2019	1-3	--	<10	0.20	0.41	0.61	--	--	--	0.23	0.23	--	0.28	1.1	
SB-23	2/11/2021	2-4	-5	0.0	0.0094 I	0.0057 I	0.0050 I	0.0015 U	0.0034 I	0.010	0.23	0.052	0.0037 U	0.010	0.053	
SB-24	2/11/2021	2-4	-5	0.0	0.0036 I	0.0019 U	0.0033 U	0.0016 I	0.0032 I	0.0093	0.053	0.17	0.0038 U	0.044	0.17	
SB-25	2/11/2021	2-4	-5	0.0	0.10	0.048	0.13	0.0024 U	0.0025 U	0.0010 U	0.0037 I	0.0083 I	0.0058 U	0.018	0.0067 I	
SB-26	2/11/2021	2-4	-5	0.0	0.0034 U	0.0019 U	0.0033 U	0.0016 U	0.0016 U	0.00067 U	0.0033 I	0.0052 U	0.0038 U	0.0050 U	0.0043 I	
SB-28	2/11/2021	2-4	-5	85.6	0.13	0.17	0.17	0.0052 I	0.0036 I	0.00066 U	0.0018 U	0.0051 U	0.0072	0.0049 U	0.0017 U	
SB-29	2/11/2021	0-2	-5	0.0	0.054	0.047	0.0089 I	0.0016 U	0.0017 U	0.00070 U	0.0019 U	0.0055 U	0.0039 U	0.0052 U	0.0018 U	
SB-30	2/12/2021	2-4	-5	0.0	0.0034 U	0.0019 U	0.0033 U	0.0016 U	0.0016 U	0.0016 I	0.019	0.010	0.0037 U	0.0050 U	0.011	
SB-32	2/12/2021	0-2	-5	0.0	0.0033 U	0.0018 U	0.0031 U	0.0015 U	0.0015 U	0.00064 U	0.0017 U	0.0050 U	0.0036 U	0.0047 U	0.0017 U	
SB-33	2/12/2021	2-4	-5	0.0	0.0037 U	0.0020 U	0.0035 U	0.0017 U	0.0017 U	0.00071 I	0.019	0.020	0.0040 U	0.0053 U	0.020	
SB-23A	6/9/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	0.0	0.0053 U	0.0029 U	0.0023 U	0.0024 U	0.0025 U	0.0010 U	0.0028 U	0.0035 U	0.0025 U	0.0077 U	0.0027 U	
SB-23B	6/9/2022	2-4	-4'	0.0	0.0032 U	0.0018 U	0.0014 U	0.0015 U	0.0015 U	0.00063 U	0.0017 U	0.0022 U	0.0015 U	0.0047 U	0.0016 U	
SB-24A	6/8/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	0.0	0.0034 U	0.0036 I	0.0026 I	0.0016 U	0.0016 U	0.0031 I	0.027	0.054	0.0016 U	0.014	0.041	
SB-24B	6/8/2022	2-4	-4'	0.0	0.0085 I	0.0043 I	0.0063 I	0.0017 I	0.0021 I	0.0091	0.054	0.22	0.0016 U	0.043	0.16	
SB-26A	6/8/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
SB-26B	6/8/2022	2-4	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
SB-23N	6/9/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
SB-23E	6/9/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	9.4	--	--	--	--	--	--	--	--	--	--	--	
SB-23S	6/9/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	2.4	--	--	--	--	--	--	--	--	--	--	--	
SB-26N	6/8/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
SB-26E	6/8/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
SB-26S	6/8/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
SB-26W	6/8/2022	0-2	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
		2-4	-4'	0.0	--	--	--	--	--	--	--	--	--	--	--	
Leachability Based on Groundwater Criteria (mg/kg)					1.2	3.1	8.5	2.1	27	2,500	32,000	1,200	160	250	880	
Direct Exposure Residential (mg/kg)					55	200	210	2,400	1,800	21,000	2,500	3,200	2,600	2,200	2,400	

**Notes:** Exposure values based upon 62-777 F.A.C. criteria (April 17, 2005)  
 Results in bold exceed FDEP Leachability Target Levels  
 Analytical Results reported in milligrams per kilogram (mg/kg)  
 -- = Not analyzed, not reported, no data available

MDL = Method Detection Limit  
 PQL = Practical Quantitation Limit

**Qualifiers:** U = Result below MDL  
 I = Result between MDL and PQL  
 J = The value is outside laboratory established criteria.

**TABLE 2C: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample				OVA	Laboratory Analyses								Comments
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Benzo (a) pyrene (mg/kg)	Benzo (a) anthracene (mg/kg)	Benzo (b) fluoranthene (mg/kg)	Benzo (k) fluoranthene (mg/kg)	Chry-sene (mg/kg)	Dibenz (a,h) anthracene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Benzo (a) pyrene equivalent (mg/kg)	
UST-A	4/30/2019	--	1-3	<10	0.056 I	0.090 I	0.096 I	0.034 I	0.091 I	0.023 U	0.041 I	0.1	
UST-B	4/30/2019	--	1-3	<10	0.024 U	0.054 I	0.031 I	0.026 U	0.041 I	0.022 U	0.022 U	0.0	
UST-C	4/30/2019	--	1-3	<10	<b>0.27</b>	0.64	0.60	0.23	0.91	0.059 I	0.059 I	<b>0.5</b>	
SB-23	2/11/2021	~5	2-4	0.0	<b>0.23</b>	0.075	0.38	0.10	0.12	0.058	0.21	<b>0.4</b>	
SB-24	2/11/2021	~5	2-4	0.0	<b>0.15</b>	0.11	0.30	0.092	0.14	0.020	0.031	<b>0.2</b>	
SB-25	2/11/2021	~5	2-4	0.0	0.0027 U	0.0039 I	0.011	0.0031 U	0.0051 I	0.0027 U	0.0025 U	0.0	
SB-26	2/11/2021	~5	2-4	0.0	0.0033 I	0.0025 I	0.0061 I	0.0024 I	0.0039 I	0.0018 U	0.0020 I	0.0	
SB-28	2/11/2021	~5	2-4	85.6	0.0017 U	0.0016 U	0.0017 U	0.0020 U	0.0017 U	0.0017 U	0.0016 U	0.0	
SB-29	2/11/2021	~5	0-2	0.0	0.0019 U	0.0017 U	0.0019 U	0.0021 U	0.0018 U	0.0019 U	0.0017 U	0.0	
SB-30	2/12/2021	~5	2-4	0.0	0.016	0.0094	0.026	0.0096	0.013	0.0038 I	0.014	0.0	
SB-32	2/12/2021	~5	0-2	0.0	0.0017 U	0.0016 U	0.0017 U	0.0019 U	0.0016 U	0.0017 U	0.0016 U	0.0	
SB-33	2/12/2021	~5	2-4	0.0	0.020	0.014	0.034	0.012	0.019	0.0060 I	0.016	0.0	
SB-23A	6/9/2022	0-2	~4'	0.0	--	--	--	--	--	--	--	--	
		2-4	~4'	0.0	0.0027 U	0.0025 U	0.0027 U	0.0031 U	0.0026 U	0.0027 U J	0.0025 U J	0.0	
SB-23B	6/9/2022	2-4	~4'	0.0	0.0017 U	0.0016 U	0.0017 U	0.0019 U	0.0016 U	0.0017 U	0.0016 U	0.0	
SB-24A	6/8/2022	0-2	~4'	0.0	0.094 J	--	--	--	--	--	--	0.1	
		2-4	~4'	0.0	0.040	0.030	0.070	0.024	0.044	0.0088	0.023	0.1	
SB-24B	6/8/2022	2-4	~4'	0.0	<b>0.11</b>	0.11	0.18	0.079	0.14	0.021	0.051	<b>0.2</b>	
SB-26A	6/8/2022	0-2	~4'	0.0	--	--	--	--	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	--	--	--	--	
SB-26B	6/8/2022	2-4	~4'	0.0	--	--	--	--	--	--	--	--	
SB-23N	6/9/2022	0-2	~4'	0.0	--	--	--	--	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	--	--	--	--	
SB-23E	6/9/2022	0-2	~4'	0.0	--	--	--	--	--	--	--	--	
		2-4	~4'	9.4	--	--	--	--	--	--	--	--	
SB-23S	6/9/2022	0-2	~4'	0.0	0.0022 U J	--	--	--	--	--	--	--	
		2-4	~4'	2.4	0.0037 U J	--	--	--	--	--	--	--	
SB-26N	6/8/2022	0-2	~4'	0.0	--	--	--	--	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	--	--	--	--	
SB-26E	6/8/2022	0-2	~4'	0.0	--	--	--	--	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	--	--	--	--	

**TABLE 2C: SOIL ANALYTICAL SUMMARY - Carcinogenic PAHs**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample				OVA	Laboratory Analyses								Comments
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Benzo (a) pyrene (mg/kg)	Benzo (a) anthra-cene (mg/kg)	Benzo (b) fluoran-thene (mg/kg)	Benzo (k) fluoran-thene (mg/kg)	Chry-sene (mg/kg)	Dibenz (a,h) anthra-cene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Benzo (a) pyrene equivalent (mg/kg)	
<b>SB-26S</b>	6/8/2022	0-2	~4'	0.0	--	--	--	--	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	--	--	--	--	
<b>SB-26W</b>	6/8/2022	0-2	~4'	0.0	--	--	--	--	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	--	--	--	--	
Leachability Based on Groundwater Criteria (mg/kg)					8	0.8	2.4	24	77	0.7	6.6	**	
Direct Exposure Residential (mg/kg)					0.1	#	#	#	#	#	#	0.1	

**Notes:** Exposure values based upon 62-777 F.A.C. criteria (April 17, 2005)  
 Results in bold exceed FDEP Leachability Target Levels  
 # = Direct Exposure value not applicable except as part of the Benzo(a)pyrene equivalent.  
 \*\* = Leachability value not applicable  
 Analytical Results reported in miligrams per kilogram (mg/kg)  
 NA = Not Analyzed

Qualifiers: U = Result below MDL  
 I = Result between MDL and PQL  
 MDL = Method Detection Limit  
 PQL = Practical Quantitation Limit  
 -- = not reported, unknown  
 NCD = No Compounds Detected

**TABLE 2D: SOIL ANALYTICAL SUMMARY - B(a)P**

**Benzo(a)pyrene Conversion Table**

For Direct Exposure Soil Cleanup Target Levels

Instructions can be found below the table

Facility/Site Name:	Sunshine #08
Site Location:	1501 Broad Causeway, Bay Harbor Islands, FL 33154
Facility/Site ID No.:	

SCTL Type	Value	Units
Residential Direct Exposure SCTL	0.1	mg/kg
Industrial Direct Exposure SCTL	0.7	mg/kg
Alternative SCTL (Optional)		mg/kg
Site Specific Background (Optional)		mg/kg

TEF = Toxic Equivalency Factor

Soil Sample #	UST-A	UST-B	UST-C	SB-23	SB-24	SB-25	SB-26	SB-30	SB-33	SB-24A
Sample Date	4/30/2019	4/30/2019	4/30/2019	2/11/2021	2/11/2021	2/11/2021	2/11/2021	2/12/2021	2/12/2021	6/8/2022
Sample Location:										
Depth (ft):	1-3	1-3	1-3	2-4	2-4	2-4	2-4	2-4	2-4	0-2

**Contaminant Concentrations**

Contaminant	TEF	UST-A (mg/kg)	UST-B (mg/kg)	UST-C (mg/kg)	SB-23 (mg/kg)	SB-24 (mg/kg)	SB-25 (mg/kg)	SB-26 (mg/kg)	SB-30 (mg/kg)	SB-33 (mg/kg)	SB-24A (mg/kg)
Benzo(a)pyrene	1.0	0.056	0.012	0.27	0.23	0.15	0.00135	0.0033	0.016	0.020	0.094
Benzo(a)anthracene	0.1	0.09	0.054	0.64	0.075	0.11	0.0039	0.0025	0.0094	0.014	
Benzo(b)fluoranthene	0.1	0.096	0.031	0.6	0.38	0.30	0.011	0.0061	0.026	0.034	
Benzo(k)fluoranthene	0.01	0.034	0.013	0.23	0.10	0.092	0.00155	0.0024	0.0096	0.012	
Chrysene	0.001	0.091	0.041	0.91	0.12	0.14	0.0051	0.0039	0.013	0.019	
Dibenz(a,h)anthracene	1.0	0.0115	0.011	0.059	0.058	0.020	0.00135	0.0009	0.0038	0.006	
Indeno(1,2,3-cd)pyrene	0.1	0.041	0.011	0.059	0.21	0.031	0.00125	0.002	0.014	0.016	

**Benzo(a)pyrene Equivalents**

Contaminant	TEF	UST-A (mg/kg)	UST-B (mg/kg)	UST-C (mg/kg)	SB-23 (mg/kg)	SB-24 (mg/kg)	SB-25 (mg/kg)	SB-26 (mg/kg)	SB-30 (mg/kg)	SB-33 (mg/kg)	SB-24A (mg/kg)
Benzo(a)pyrene	1.0	0.0560	0.0120	0.2700	0.2300	0.1500	0.0014	0.0033	0.0160	0.0200	0.0940
Benzo(a)anthracene	0.1	0.0090	0.0054	0.0640	0.0075	0.0110	0.0004	0.0003	0.0009	0.0014	0.0000
Benzo(b)fluoranthene	0.1	0.0096	0.0031	0.0600	0.0380	0.0300	0.0011	0.0006	0.0026	0.0034	0.0000
Benzo(k)fluoranthene	0.01	0.0003	0.0001	0.0023	0.0010	0.0009	0.0000	0.0000	0.0001	0.0001	0.0000
Chrysene	0.001	0.0001	0.0000	0.0009	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
Dibenz(a,h)anthracene	1.0	0.0115	0.0110	0.0590	0.0580	0.0200	0.0014	0.0009	0.0038	0.0060	0.0000
Indeno(1,2,3-cd)pyrene	0.1	0.0041	0.0011	0.0059	0.0210	0.0031	0.0001	0.0002	0.0014	0.0016	0.0000

**Total Equivalents**

<b>Total Benzo(a)pyrene Equivalents</b>	<b>0.1</b>	<b>0.0</b>	<b>0.5</b>	<b>0.4</b>	<b>0.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>
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**Comparisons to SCTLs**

Does This Sample Exceed:	UST-A (mg/kg)	UST-B (mg/kg)	UST-C (mg/kg)	SB-23 (mg/kg)	SB-24 (mg/kg)	SB-25 (mg/kg)	SB-26 (mg/kg)	SB-30 (mg/kg)	SB-33 (mg/kg)	SB-24A (mg/kg)
The Residential Direct Exposure SCTL of 0.1 mg/kg?	OK	OK	EXCEEDS	EXCEEDS	EXCEEDS	OK	OK	OK	OK	OK
The Industrial Direct Exposure SCTL of 0.7 mg/kg?	OK									
No Alternative SCTL Given	N/A									
No Site Specific Background Given	N/A									

**TABLE 2D: SOIL ANALYTICAL SUMMARY - B(a)P**

**Benzo(a)pyrene Conversion Table**

For Direct Exposure Soil Cleanup Target Levels

Instructions can be found below the table

Facility/Site Name:	Sunshine #08
Site Location:	1501 Broad Causeway, Bay Harbor Islands, FL 33154
Facility/Site ID No.:	

SCTL Type	Value	Units
Residential Direct Exposure SCTL	0.1	mg/kg
Industrial Direct Exposure SCTL	0.7	mg/kg
Alternative SCTL (Optional)		mg/kg
Site Specific Background (Optional)		mg/kg

TEF = Toxic Equivalency Factor

Soil Sample #	SB-24A	SB-24B									
Sample Date	6/8/2022	6/8/2022									
Sample Location:											
Depth (ft):	2-4	2-4									

**Contaminant Concentrations**

Contaminant	TEF	SB-24A (mg/kg)	SB-24B (mg/kg)								
Benzo(a)pyrene	1.0	0.040	0.11								
Benzo(a)anthracene	0.1	0.030	0.11								
Benzo(b)fluoranthene	0.1	0.070	0.18								
Benzo(k)fluoranthene	0.01	0.024	0.079								
Chrysene	0.001	0.044	0.14								
Dibenz(a,h)anthracene	1.0	0.0088	0.021								
Indeno(1,2,3-cd)pyrene	0.1	0.023	0.051								

**Benzo(a)pyrene Equivalents**

Contaminant	TEF	SB-24A (mg/kg)	SB-24B (mg/kg)								
Benzo(a)pyrene	1.0	0.0400	0.1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(a)anthracene	0.1	0.0030	0.0110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(b)fluoranthene	0.1	0.0070	0.0180	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Benzo(k)fluoranthene	0.01	0.0002	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Chrysene	0.001	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Dibenz(a,h)anthracene	1.0	0.0088	0.0210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Indeno(1,2,3-cd)pyrene	0.1	0.0023	0.0051	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

**Total Equivalents**

<b>Total Benzo(a)pyrene Equivalents</b>	<b>0.1</b>	<b>0.2</b>	<b>0.0</b>								
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**Comparisons to SCTLs**

Does This Sample Exceed:	SB-24A (mg/kg)	SB-24B (mg/kg)									
The Residential Direct Exposure SCTL of 0.1 mg/kg?	OK	EXCEEDS	OK								
The Industrial Direct Exposure SCTL of 0.7 mg/kg?	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
No Alternative SCTL Given	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
No Site Specific Background Given	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

**TABLE 2E: SOIL ANALYTICAL SUMMARY - Metals**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample				OVA	Laboratory Analyses				
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbls)	Net OVA Reading (ppm)	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Comments
UST-A	4/30/2019	1-3		<10	--	--	--	--	
UST-B	4/30/2019	1-3		<10	--	--	--	--	
UST-C	4/30/2019	1-3		<10	--	--	--	--	
SB-23	2/11/2021	2-4	~5	0.0	--	--	--	--	
SB-24	2/11/2021	2-4	~5	0.0	--	--	--	--	
SB-25	2/11/2021	2-4	~5	0.0	--	--	--	--	
SB-26	2/11/2021	2-4	~5	0.0	28	0.11 U	5.2	1.0 l	
SB-28	2/11/2021	2-4	~5	85.6	--	--	--	--	
SB-29	2/11/2021	0-2	~5	0.0	--	--	--	--	
SB-30	2/12/2021	2-4	~5	0.0	--	--	--	--	
SB-32	2/12/2021	0-2	~5	0.0	--	--	--	--	
SB-33	2/12/2021	2-4	~5	0.0	--	--	--	--	
SB-23A	6/9/2022	0-2	~4'	0.0	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	
SB-23B	6/9/2022	2-4	~4'	0.0	--	--	--	--	
SB-24A	6/8/2022	0-2	~4'	0.0	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	
SB-24B	6/8/2022	2-4	~4'	0.0	--	--	--	--	
SB-26A	6/8/2022	0-2	~4'	0.0	11	--	--	--	
		2-4	~4'	0.0	14	--	--	--	
SB-26B	6/8/2022	2-4	~4'	0.0	34	--	--	--	
SB-23N	6/9/2022	0-2	~4'	0.0	--	--	--	--	
		2-4	~4'	0.0	--	--	--	--	

**TABLE 2E: SOIL ANALYTICAL SUMMARY - Metals**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample				OVA	Laboratory Analyses				
Boring/ Well No.	Date Collected	Depth to Water (ft)	Sample Interval (fbis)	Net OVA Reading (ppm)	Arsenic (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Comments
<b>SB-23E</b>	6/9/2022	0-2	~4'	0.0	--	--	--	--	
		2-4	~4'	9.4	--	--	--	--	
<b>SB-23S</b>	6/9/2022	0-2	~4'	0.0	--	--	--	--	
		2-4	~4'	2.4	--	--	--	--	
<b>SB-26N</b>	6/8/2022	0-2	~4'	0.0	<b>10</b>	--	--	--	
		2-4	~4'	0.0	<b>13</b>	--	--	--	
<b>SB-26E</b>	6/8/2022	0-2	~4'	0.0	<b>16</b>	--	--	--	
		2-4	~4'	0.0	<b>6.6</b>	--	--	--	
<b>SB-26S</b>	6/8/2022	0-2	~4'	0.0	<b>16</b>	--	--	--	
		2-4	~4'	0.0	<b>9.7</b>	--	--	--	
<b>SB-26W</b>	6/8/2022	0-2	~4'	0.0	<b>7.6</b>	--	--	--	
		2-4	~4'	0.0	<b>9.8</b>	--	--	--	
Leachability Based on Groundwater Criteria (mg/kg)					*	7.5	38	*	
Direct Exposure Residential (mg/kg)					2.1	82	210	400	

**Notes:** Exposure values based upon 62-777 F.A.C. criteria (April 17, 2005) Results in bold exceed FDEP Leachability Target Levels  
 \*\* = Leachability value not applicable  
 Analytical Results reported in milligrams per kilogram (mg/kg)  
 -- = Not analyzed  
 \* = Leachability value may be determined using Toxicity Characteristic Leaching Procedure (TCLP).

**TABLE 3: GROUNDWATER ELEVATION SUMMARY**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

WELL NO.	MW-1			MW-2 / MW-2R			MW-3 / MW-3R			MW-4			MW-5 / MW-5R		
DIAMETER (in inches)	4			4			4			4			4		
WELL DEPTH (in feet)	17			18 / 12			14.3 / 12			14.3			14.4 / 12		
SCREEN INTERVAL (in feet)	2 - 12			1.2 - 11.2 / 2 - 12			4.3 - 14.3 / 2 - 12			4.3 - 14.3			4.4 - 14.4 / 2 - 12		
TOC ELEVATION* (in feet)	NA			24.47			25.83			NA			25.23		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
2/23/1990	--	6.50	--	--	5.55	--	--	6.50	--	--	6.25	--	--	5.97	--
3/13/1990	--	5.65	--	--	4.88	--	--	5.35	--	--	5.38	--	--	5.10	--
11/21/1994	NA			NA			NA			NA			Destroyed during construction		
8/17/2020	abandoned/destroyed			abandoned/destroyed			abandoned/destroyed			Abandoned/Cemented Shut					
10/27/2020															
2/22/2021				20.44	4.03	0.00	20.51	5.32	0.00				20.66	4.57	0.00
6/20/2022				20.61	3.86	0.00	20.96	4.87	0.00				21.15	4.08	0.00

WELL NO.	MW-6			MW-7			MW-8 / MW-8R			MW-9**			MW-10		
DIAMETER (in inches)	2			4			NA			NA			2		
WELL DEPTH (in feet)	13			15			NA / 12			NA			6 / 10		
SCREEN INTERVAL (in feet)	3-13			NA			NA / 2 - 12			NA			-- / 10		
TOC ELEVATION* (in feet)	24.08			NA			25.07			NA			24.92		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/21/1994	NA			Destroyed during construction			NA			Destroyed during construction			--		
8/17/2020	20.36	3.72	0.00				Not located						20.74	4.18	0.00
10/27/2020	20.88	3.20	0.00										--	--	--
2/22/2021	--	--	--				20.62	4.45	0.00				20.66	4.26	0.00
6/20/2022	--	--	--				--	--	--				21.16	3.76	0.00

WELL NO.	MW-11**			MW-12			MW-13			MW-14**			MW-15 / MW-15R		
DIAMETER (in inches)	NA			NA			2			NA			2		
WELL DEPTH (in feet)	NA			NA			8.8 / 10			NA			15 / 12		
SCREEN INTERVAL (in feet)	NA			NA			-- / 10			NA			5 - 15 / 2- 12		
TOC ELEVATION* (in feet)	NA			NA			25.36			NA					
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/21/1994	Destroyed during construction			Destroyed during construction			NA			Destroyed during construction			NA		
8/17/2020	--	--	--	--	--	--	20.70	4.66	0.00	--	--	--	Not located		
10/27/2020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2/22/2021	--	--	--	--	--	--	20.83	4.53	0.00	--	--	--	-2.68	2.68	0.00
2/23/2021	--	--	--	--	--	--	--	--	--	--	--	--	-2.83	2.83	0.00

**TABLE 3: GROUNDWATER ELEVATION SUMMARY**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

WELL NO.	MW-16			MW-17			MW-18								
DIAMETER (in inches)	2			1			1								
WELL DEPTH (in feet)	15			15			12								
SCREEN INTERVAL (in feet)	5-15			5 - 15			2 - 12								
TOC ELEVATION* (in feet)	NA			25.97			25.09								
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/21/1994	--	--	--	NI			NI								
8/17/2020	abandoned/destroyed			NI			NI								
10/27/2020				NI			NI								
2/22/2021				NI			NI								
6/20/2022				20.44	5.53		20.86	4.23							

WELL NO.	TW-1 / TW-1R			TW-2			RW-1			DW-1					
DIAMETER (in inches)	4			4			6			2					
WELL DEPTH (in feet)	13.5 / 12			14.5			25			30					
SCREEN INTERVAL (in feet)	3.5 - 13.5 / 2 - 12			4.5 - 14.5			20 - 25			25-30					
TOC ELEVATION* (in feet)	24.64						25.90			25.78					
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/17/2020	abandoned/destroyed			abandoned/destroyed			20.69	5.21	0.00	20.49	5.29	0.00			
10/27/2020							21.99	3.91	0.00	20.78	5.00	0.00			
2/22/2021	20.56	4.08	0.00				--	--	--	--	--	--			
6/20/2022	21.07	3.57	0.00				20.97	4.93	0.00	--	--	--			

WELL NO.	CW-1**			CW-2			CW-3**			CW-4**			CW-5		
DIAMETER (in inches)	4			4			4			4			4		
WELL DEPTH (in feet)	12			12			12			12			12		
SCREEN INTERVAL (in feet)	2 - 12			2 - 12			2 - 12			2 - 12			2 - 12		
TOC ELEVATION* (in feet)	25.00			24.95			25.66			25.54			25.33		
DATE	ELEV	DTW	FP												
11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/17/2020	20.70	4.30	0.00	20.69	4.26	0.00	20.70	4.96	0.00	20.67	4.87	0.00	20.73	4.60	0.00
10/27/2020	21.99	3.01	0.00	21.99	2.96	0.00	22.00	3.66	0.00	21.96	3.58	0.00	21.85	3.48	0.00
2/22/2021	--	--	--	20.68	4.27	0.00	--	--	--	--	--	--	--	--	--
6/20/2022	21.18	3.82	0.00	21.18	3.77	0.00	21.21	4.45	0.00	--	--	--	21.11	4.22	0.00

**TABLE 3: GROUNDWATER ELEVATION SUMMARY**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

WELL NO.	CW-6			CW-7			CW-8			CW-9					
DIAMETER (in inches)	4			4			4			4					
WELL DEPTH (in feet)	12			12			12			12					
SCREEN INTERVAL (in feet)	2 - 12			2 - 12			2 - 12			2 - 12					
TOC ELEVATION* (in feet)	25.53			25.74			25.88			25.50					
DATE	ELEV	DTW	FP												
11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--			
8/17/2020	20.64	4.89	0.00	20.71	5.03	0.00	20.68	5.20	0.00	20.75	4.75	0.00			
10/27/2020	21.83	3.70	0.00	21.96	3.78	0.00	21.91	3.97	0.00	21.81	3.69	0.00			
2/22/2021	--	--	--	--	--	--	--	--	--	--	--	--			
6/20/2022	21.09	4.44	0.00	21.18	4.56	0.00	21.07	4.81	0.00	--	--	--			

**Notes:**

- \* Top-of-casing (TOC) elevations of existing wells are based on an arbitrary datum of 100.00 feet at well MW-15
- = Not Measured or Not Recorded
- NI = Not Installed
- ELEV = Elevation in feet
- DTW = Depth to water in feet
- FP = Free product level in feet
- NA = Not available
- \*\*Monitoring wells MW-9, MW-11, and MW-14 were replaced by monitoring wells CW-1, CW-3, and CW-4, respectively.

**TABLE 4A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs, Lead and EDB, Iron**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample		Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	Total Arsenic	Total Cadmium	Total Chromium	Total Lead	EDB	1,2-Dichloroethane
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
TW-1	Unknown	5300	67	3000	1020	2300	--	--	--	--	--	--
	12/21/1989	Well removed.										
TW-1R	2/22/2021	6.3	2.3	24	3.9 I	0.44 U	--	--	--	--	--	--
	06/20/2022	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	--	--	--
TW-2	Unknown	12000	13200	2200	9600	58000	--	--	--	--	--	--
	12/21/1989	Well removed.										
MW-1	3/13/1990	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	0.01 U	--	--
	10/18/1990	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	10/31/1990	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	0.0045	--	--
	6/17/1993	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	11/21/1994	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
MW-2	3/13/1990	7	0.7 U	11	1.6 U	1.4 U	--	--	--	0.01 U	--	--
	10/18/1990	235	7.9	228	22	1.4 U	--	--	--	--	--	--
	10/31/1990	94	0.7 U	16	1.6 U	600	--	--	--	0.01 U	--	--
	6/17/1993	8.54	1.22	3.93	5.46	453.3	--	--	--	--	--	--
	11/21/1994	453	0.7 U	59	17	825	--	--	--	--	--	--
MW-2R	2/23/2021	0.25 U	0.24 U	0.27 U	0.50 U	3.3	--	--	--	--	--	--
	06/22/2022	16	0.24 U	1.3	1.0 I	3.6	--	--	--	--	--	--
MW-3	3/13/1990	1000	24	470	1.6 U	3200	--	--	--	0.01 U	--	--
	10/18/1990	1800	0.7 U	2700	2340	1.4 U	--	--	--	--	--	--
	10/31/1990	1400	30	2200	1188	1.4 U	--	--	--	0.01 U	--	--
	6/17/1993	542	13.9	1016	619	89.3	--	--	--	--	--	--
	11/21/1994	225	0.7 U	3725	600	1.4 U	--	--	--	--	--	--
MW-3R	2/22/2021	2.7	0.24 U	38	0.55 I	1.5 I	--	--	--	--	--	--
	06/20/2022	0.82 I	0.24 U	5.9	0.50 U	1.2 I	--	--	--	--	--	--
MW-4	3/13/1990	0.9 U	0.7 U	0.8 U	1.6 U	80	--	--	--	--	--	--
	10/18/1990	0.9 U	0.7 U	0.8 U	1.6 U	71	--	--	--	--	--	--
	10/31/1990	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	6/17/1993	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	11/21/1994	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--

**TABLE 4A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs, Lead and EDB, Iron**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample		Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	Total Arsenic	Total Cadmium	Total Chromium	Total Lead	EDB	1,2-Dichloroethane
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-5	3/13/1990	50	5	0.8 U	6	80	--	--	--	--	--	--
	10/18/1990	4.1	0.7 U	4.1	3.9	47	--	--	--	--	--	--
	10/31/1990	30	0.7 U	800	40	1.4 U	--	--	--	--	--	--
	6/17/1993	1.63	0.7 U	1.61	0.91	7.31	--	--	--	--	--	--
MW-5R	11/21/1994	Well destroyed.										
	2/22/2021	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	--	--	--
	06/21/2022	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	--	--	--
MW-6	3/13/1990	27	0.7 U	0.8 U	3.5	27	--	--	--	--	--	--
	10/18/1990	21	2.9	190	3.5	1.4 U	--	--	--	--	--	--
	10/31/1990	29	0.7 U	190	1.6 U	1.4 U	--	--	--	--	--	--
	6/17/1993	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	11/21/1994	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
MW-7	6/10/1991	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	10/31/1990	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	6/17/1993	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	11/21/1994	Well not found.										
MW-8	6/10/1991	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	10/31/1990	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	6/17/1993	9.77	0.7 U	6.89	1.71	1.4 U	--	--	--	--	--	--
	11/21/1994	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
MW-8R	2/23/2021	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	--	--	--
MW-9*	10/31/1990	310	0.7 U	1000	120	1.4 U	--	--	--	--	--	--
	6/17/1993	269.7	19.9	800	340	595	--	--	--	--	--	--
	11/21/1994	Well destroyed.										
MW-10	10/31/1990	990	120	540	743	1.4 U	--	--	--	--	--	--
	6/17/1993	125.5	10.24	73.69	38.03	21.23	--	--	--	--	--	--
	11/21/1994	0.9 U	0.7 U	30	28	1.4 U	--	--	--	--	--	--
	2/22/2021	6.6	1.5	200 D <sup>5</sup>	5.5	0.44 U	--	--	--	--	--	--
	06/21/2022	0.50 l	0.61 l	130 D <sup>5</sup>	3.8 l	0.44 U	--	--	--	--	--	--
MW-11*	10/31/1990	96	0.7 U	190	1.6 U	1.4 U	--	--	--	--	--	--
	6/17/1993	4.58	5.97	183	134.3	1.4 U	--	--	--	--	--	--
	11/21/1994	Well destroyed.										

**TABLE 4A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs, Lead and EDB, Iron**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample		Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE	Total Arsenic	Total Cadmium	Total Chromium	Total Lead	EDB	1,2-Dichloroethane
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-12	10/31/1990	3.5	0.7 U	23	1.2	23	--	--	--	--	--	--
	6/17/1993	0.9 U	0.79	0.64	0.63	1.4 U	--	--	--	--	--	--
	11/21/1994	Well destroyed.										
MW-13	10/31/1990	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	6/17/1993	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	11/21/1994	0.9 U	0.7 U	0.8 U	1.6 U	66	--	--	--	--	--	--
	2/22/2021	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	--	--	--
MW-14*	6/17/1993	220	322	2650	9153	1.4 U	--	--	--	--	--	--
	11/21/1994	Well destroyed.										
MW-15	6/17/1993	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	11/21/1994	46	0.7 U	0.8 U	1.6 U	349	--	--	--	--	--	--
MW-15R	2/23/2021	0.25 U	0.24 U	0.27 U	0.50 U	2.5	--	--	--	--	--	--
	06/22/2022	2.9	0.24 U	0.27 U	0.50 U	1.8 l	--	--	--	--	--	--
MW-16	6/17/1993	0.9 U	0.7 U	0.8 U	1.6 U	7.13	--	--	--	--	--	--
	11/21/1994	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
MW-17	06/20/2022	18	1.4	90	24	0.44 U	7.6 l	0.44 U	1.1 U	6.6 U	--	0.31 U
	06/22/2022	83	51	390 D <sup>100</sup>	700 D <sup>100</sup>	0.44 U	--	--	--	--	--	--
DW-1	11/21/1994	0.9 U	0.7 U	0.8 U	1.6 U	90	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	5.9	--	--	--	3.9 U	--	--
RW-1	11/21/1994	68	24	305	297	638	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
	06/20/2022	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	--	--	--
CW-1	11/21/1994	21	25	30	216	167	--	--	--	--	--	--
	10/27/2020	0.56 l	0.24 U	0.74 l	1.7 l	0.44 U	--	--	--	3.9 U	--	--
	06/20/2022	0.73 l	1.9	0.27 U	1.4 l	0.44 U	--	--	--	3.9 U	--	--
CW-2	11/21/1994	101	0.7 U	24	19	354	--	--	--	--	--	--
	10/27/2020	2.2	0.24 U	0.38 l	0.69 l	1.6 l	--	--	--	3.9 U	--	--
	2/22/2021	--	--	--	--	--	--	--	--	--	0.0090 U	0.0090 U
	06/21/2022	0.51 l	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	--	0.0090 U	0.0090 U
CW-3	11/21/1994	56	17	20	20	285	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
	06/21/2022	0.44 l	1.4	1.2	280 D <sup>5</sup>	0.44 U	--	--	--	3.9 U	--	--
CW-4	11/21/1994	0.9 U	14	16	18	830	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--

**TABLE 4A: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - VOCs, Lead and EDB, Iron**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample		Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE	Total Arsenic	Total Cadmium	Total Chromium	Total Lead	EDB	1,2-Dichloroethane
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
CW-5	11/21/1994	<b>3563</b>	<b>1436</b>	<b>857</b>	<b>2806</b>	<b>141</b>	--	--	--	--	--	--
	10/27/2020	0.76 I	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
	06/20/2022	<b>59</b>	8.0	<b>76 D<sup>5</sup></b>	<b>79 D<sup>5</sup></b>	0.44 U	--	--	--	3.9 U	--	--
CW-6	11/21/1994	<b>315</b>	0.7 U	<b>7660</b>	<b>350</b>	1.4 U	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
	06/20/2022	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
CW-7	11/21/1994	<b>64</b>	25	<b>734</b>	<b>1416</b>	1.4 U	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	4.1 I	--	--
	06/21/2022	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	4.1 I	--	--
CW-8	11/21/1994	0.9 U	0.7 U	<b>66</b>	<b>38</b>	1.4 U	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
	06/21/2022	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
CW-9	11/21/1994	0.9 U	0.7 U	0.8 U	1.6 U	1.4 U	--	--	--	--	--	--
	10/27/2020	0.25 U	0.24 U	0.27 U	0.50 U	0.44 U	--	--	--	3.9 U	--	--
GCTLs		1**	40**	30**	20**	20				15**	0.02**	3**
NADCs		100	400	300	200	200				150	2	300

**Notes:** Analytical Results reported in µg/L  
 -- = Sample not analyzed for constituent or no data available  
 NCD = no compounds detected  
 \*\* = As provided in Chapter 62-550, F.A.C.  
 Concentrations in bold are above FDEP GCTLs

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

\*Monitoring wells MW-9, MW-11, and MW-14 were replaced by monitoring wells CW-1, CW-3, and CW-4, respectively. MW-12 within 10 feet of CW-3

VOCs = Volatile Organic Compounds  
 MTBE = Methyl Tert-Butyl Ether  
 EDB = 1,2-Dibromoethane

Qualifiers:  
 MDL = Method Detection Limit  
 PQL = Practical Quantitation Limit

U = Result below MDL  
 I = Result between MDL and PQL

**TABLE 4B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample		TRPHs	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo (a) pyrene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	
TW-1	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/21/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	TW-1R	2/22/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
		6/20/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TW-2	Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	12/21/1989	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-1	10/18/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2	10/18/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-2R	2/23/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/22/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3	10/18/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-3R	2/22/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/20/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-4	10/18/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
MW-5	10/18/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	MW-5R	2/22/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		6/21/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-6	10/18/1990	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.2 U	0.59 U	0.62 U	0.23 U	0.075 U	0.083 U	0.064 U	0.22 U	0.23 U	0.80 U	0.21 U	0.067 U	0.046 U	0.046 U	0.077 U	0.063 U	0.071 U	0.046 U	

**TABLE 4B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample		TRPHs	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo (a) pyrene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)
MW-7	6/10/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	6/10/1991	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8R	2/23/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-9*	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-10	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/22/2021	780 I	14	5.3	4.0	0.22 U	0.072 U	0.080 U	0.062 U	0.21 U	0.22 U	0.77 U	0.20 U	0.065 U	0.045 U	0.045 U	0.074 U	0.061 U	0.068 U	0.045 U
	6/21/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-11*	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-12	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-13	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/22/2021	240 U	1.2 U	0.57 U	0.60 U	0.22 U	0.072 U	0.080 U	0.062 U	0.21 U	0.22 U	0.77 U	0.20 U	0.065 U	0.045 U	0.045 U	0.074 U	0.061 U	0.068 U	0.045 U
MW-14*	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/23/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/22/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16	6/17/1993	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-17	06/20/2022	240 U	28 I	6.7	10	2.3 U	2.2 U	2.2 U	2.8 U	1.9 U	2.4 U	2.2 U	2.4 U	2.3 U	3.3 U	2.1 U	2.2 U	2.7 U	2.9 U	3.1 U
MW-18	6/22/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DW-1	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	10/27/2020	240 U	1.3 U	0.64 U	0.67 U	0.25 U	0.081 U	0.090 U	0.070 U	0.23 U	0.25 U	0.86 U	0.22 U	0.073 U	0.050 U	0.050 U	0.083 U	0.068 U	0.077 U	0.050 U

**TABLE 4B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample	TRPHs	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo (a) pyrene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	
RW-1	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.64 U	0.67 U	0.25 U	0.081 U	0.090 U	0.070 U	0.23 U	0.25 U	0.86 U	0.22 U	0.073 U	0.050 U	0.050 U	0.083 U	0.068 U	0.077 U	0.050 U
	6/20/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CW-1	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.62 U	0.64 U	0.24 U	0.077 U	0.086 U	0.067 U	0.22 U	0.24 U	0.83 U	0.21 U	0.070 U	0.048 U	0.048 U	0.080 U	0.065 U	0.074 U	0.048 U
	6/20/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CW-2	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.64 U	0.67 U	0.25 U	0.081 U	0.090 U	0.070 U	0.27 I	0.25 U	0.86 U	0.26 I	0.073 U	0.050 U	0.050 U	0.083 U	0.068 U	0.077 U	0.050 U
	2/22/2021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	6/21/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CW-3	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.64 U	0.67 U	0.25 U	0.081 U	0.090 U	0.070 U	0.23 U	0.25 U	0.86 U	0.22 U	0.073 U	0.050 U	0.050 U	0.083 U	0.068 U	0.077 U	0.050 U
	6/21/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CW-4	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.64 U	0.67 U	0.25 U	0.081 U	0.090 U	0.070 U	0.23 U	0.25 U	0.86 U	0.22 U	0.073 U	0.050 U	0.050 U	0.083 U	0.068 U	0.077 U	0.050 U
CW-5	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.62 U	0.64 U	0.24 U	0.077 U	0.086 U	0.067 U	0.22 U	0.24 U	0.83 U	0.21 U	0.070 U	0.048 U	0.048 U	0.080 U	0.065 U	0.074 U	0.048 U
	6/20/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CW-6	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.62 U	0.64 U	0.24 U	0.077 U	0.086 U	0.067 U	0.22 U	0.24 U	0.83 U	0.21 U	0.070 U	0.048 U	0.048 U	0.080 U	0.065 U	0.074 U	0.048 U
	6/20/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CW-7	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.62 U	0.64 U	0.24 U	0.077 U	0.086 U	0.067 U	0.22 U	0.24 U	0.83 U	0.21 U	0.070 U	0.048 U	0.048 U	0.080 U	0.065 U	0.074 U	0.048 U
	6/21/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	

**TABLE 4B: GROUNDWATER MONITORING WELL ANALYTICAL SUMMARY - PAHs and TRPHs**

Facility Name: Sunshine #08

Facility ID#: 13/8503822

See notes at end of table.

Sample	TRPHs	Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Acenaphthene	Acenaphthylene	Anthracene	Benzo (g,h,i) perylene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	Benzo (a) pyrene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (k) fluoranthene	Chrysene	Dibenz (a,h) anthracene	Indeno (1,2,3-cd) pyrene	
Location	Date	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	(µg/L)	
CW-8	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.3 U	0.62 U	0.64 U	0.24 U	0.077 U	0.086 U	0.067 U	0.22 U	0.24 U	0.83 U	0.21 U	0.070 U	0.048 U	0.048 U	0.080 U	0.065 U	0.074 U	0.048 U
	6/21/2022	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
CW-9	11/21/1994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	10/27/2020	240 U	1.2 U	0.59 U	0.62 U	0.23 U	0.075 U	0.083 U	0.064 U	0.22 U	0.23 U	0.80 U	0.21 U	0.067 U	0.046 U	0.046 U	0.077 U	0.063 U	0.071 U	0.046 U
GCTLs		5,000	14	28	28	20	210	2,100	210	280	280	210	210	0.2**	0.05 <sup>a</sup>	0.05 <sup>a</sup>	0.5	4.8	0.005 <sup>a</sup>	0.05 <sup>a</sup>
NADCs		50,000	140	280	280	200	2,100	21,000	2,100	2,800	2,800	2,100	2,100	20	5	5	50	480	0.5	5

**Notes:** Analytical Results reported in micrograms per liter (µg/L)

NCD = no compounds detected

-- = Sample not analyzed for constituent or not reported

\*\* = As provided in Chapter 62-550, F.A.C.

Concentrations in bold are above FDEP GCTLs

GCTLs = Groundwater Cleanup Target Levels specified in Table I of Chapter 62-777, F.A.C.

NADCs = Natural Attenuation Default Source Concentrations specified in Table V of Chapter 62-777, F.A.C.

a = See the October 12, 2004 "Guidance for the Selection of Analytical Methods and for the Evaluation of Practical Quantitation Limits" to determine how to evaluate data when the CTL is lower than the PQL.

\*Monitoring wells MW-9, MW-11, and MW-14 were replaced by monitoring wells CW-1, CW-3, and CW-4, respectively.

PAH = Polynuclear Aromatic Hydrocarbons

TRPH = Total Recoverable Petroleum Hydrocarbons

Qualifiers: U = Result below MDL

I = Result between MDL and PQL

V = Compound detected in method blank

D<sup>x</sup> = Sample diluted by a factor of x

MDL = Method Detection Limit

PQL = Practical Quantitation Limit



Florida Department of Environmental Protection  
 Twin Towers Office Bldg. 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400  
 Division of Waste Management  
 Petroleum Storage Systems  
 Storage Tank Facility Routine Compliance Site Inspection Report

**Facility Information:**

Facility ID: 8503822 County: MIAMI-DADE Inspection Date: 08/03/2023  
 Facility Type: A - Retail Station  
 Facility Name: SUNSHINE #08 # of inspected ASTs: 0  
 1501 BROAD CSWY USTs: 3  
 BAY HARBOR ISLANDS, FL 33154-1914 Mineral Acid Tanks: 0  
 Latitude: 25° 53' 16.7432"  
 Longitude: 80° 8' 41.0512"  
 LL Method: DPHO

**Inspection Result:**

Result: Major Out of Compliance

**Signatures:**

PCLP13 - MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR (305) 372-6708

**Storage Tank Program Office and Phone Number**

Felissa Jacquet

Dasmari Rodriguez

**Inspector Name**

**Representative Name**

**Inspector Signature**

**Representative Signature**

**Principal Inspector**

**Cashier**

**MIAMI-DADE COUNTY DEPT OF REGULATORY & ECON RESOUR**

Owners of UST facilities are reminded that the Federal Energy Policy Act of 2005 and 40 CFR 280 Subpart J requires Operator Training at all facilities by October 13, 2018. For further information please visit: <https://floridadep.gov/waste/permitting-compliance-assistance/content/underground-storage-tank-operator-training>

**Financial Responsibility: Overdue**

Financial Responsibility: INSURANCE

Insurance Carrier: COMMERCE & INDUSTRY INSURANCE CO

Effective Date: 06/01/2021

Expiration Date: 06/01/2022

**Findings:**

Class A Owner Training Certificates are present.  
 Class B Maintenance Training Certificates are present.

Class C Operator Training Certificates are present.

### Completed System Tests

Type	Date Completed	Results	Reviewed	Next Due Date	Comment
Annual Operability - Line Leak Detector	09/20/2022	Passed	08/03/2023	09/20/2023	Three (3) mechanical line leak detectors tested by Discovery Tank Testing, Inc.
Annual Operability - Overfill Protection	09/20/2022	Passed	08/03/2023	09/20/2023	Three (3) flapper valves tested by Discovery Tank Testing, Inc.
Annual Operability - Release Detection	09/20/2022	Passed	08/03/2023	09/20/2023	Veeder-Root TLS-350 panel tested by Discovery Tank Testing, Inc.
Integrity Test - Dispenser Sump	08/01/2023	Passed	08/15/2023	08/01/2026	Five (5) dispenser liners tested by Discovery Tank Testing, Inc.
Integrity Test - Double-walled Spill Bucket	08/01/2023	Passed	08/15/2023	08/01/2026	Three (3) fill port buckets tested by Discovery Tank Testing, Inc.
Integrity Test - STP Sump	08/01/2023	Passed	08/15/2023	08/01/2026	Three (3) STP sumps tested by Discovery Tank Testing, Inc.

### Reviewed Records

Record Category	Record type	From Date	To Date	Reviewed Record Comment
Three Years	Monthly Release Detection Results	07/06/2020	08/01/2023	Monitoring well logs done by Discovery Tank Testing, Inc.
Three Years	Monthly Maint. Visual Examinations and Results	07/06/2020	08/01/2023	Done by Discovery Tank Testing, Inc.
Three Years	Electronic Release Detection Equip. Monthly Checks	07/06/2020	08/01/2023	Veeder-Root printouts done by Discovery Tank Testing, Inc

### Violations:

Type: **Violation**  
 Significance: **SNC-B**  
 Rule: **62-761.420(2)**  
 Violation Text: **No financial responsibility instrument or expired instrument for < 180 days.**  
 Explanation: **Financial responsibility shall be maintained and demonstrated to the county or Department for all storage tank systems until the storage tank systems are properly closed pursuant to subsections 62-761.800(2) and (3), F.A.C., and the Closure Report or the Limited Closure Report Form for USTs 62-761.900(8), effective date, October 2019, hereby adopted and incorporated by reference, is submitted to and approved by the county or the Department. Pursuant to Section 376.309(1), F.S., the facility owner is required to establish and maintain evidence of financial responsibility and is liable in event of noncompliance. If the facility owner, facility operator, tank owner, and tank operator are separate persons, then evidence**

of financial responsibility may be demonstrated if one of those persons obtains financial responsibility on behalf of the facility owner.

Corrective Action: Provide a current certificate of financial responsibility.

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Type: Violation  
Significance: SNC-B  
Rule: 62-761.700(1), 62-761.700(1)(a), 62-761.700(1)(a)1, 62-761.700(1)(a)2  
Violation Text: Not repaired or isolated component or piping which has not caused a discharge or release.  
Explanation: Repairs shall be performed, as necessary, if any component of a storage tank system has: An operational or structural problem that could potentially result in a release or discharge, or lead to the presence of groundwater or surface water in the interstice of a double-walled storage tank or integral piping.

Corrective Action: Replace the oil filters in Dispenser 9, and repair the leaking meters in Dispenser 3/4 and 9.

**Attachments:**

Added Date 08/03/2023

Leaking meters and filters



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**Inspection Comments**

08/03/2023

On-site with Ms. Dasmari Rodriguez, cashier, for a routine compliance inspection of three (3) 10,000-gallon, regulated, double-walled, fiberglass clad-steel underground storage tanks (UST)(EQ-156) installed in 1994 that store regular gasoline, premium gasoline, and REC90, respectively.

The registration information was reviewed, and no changes were noted.

The State registration placard was current and properly posted on-site.

Class A/B and C operator training certificates were available for review.

A certificate of financial responsibility was available for review, but the site is not listed on the schedule of covered locations and covered storage tank systems (\*).

Monthly visual, electronic release detection, and monitoring well logs were available for review at the time of the inspection, 36 months noted. The logs are done by Discovery Tank Testing, Inc.

Electronic release detection is monitored through the Veeder-Root TLS-350 panel. All functions were normal at the time of the inspection. The audio and visual alarms appeared to be in working order. The device monitors three (3) sensors inside the tanks' interstitial spaces and three (3) sensors inside the STP sumps.

There are three (3) STP sumps on-site. They were dry at the time of the inspection and contain mechanical line leak detectors. No visible signs of corrosion were observed on any of the sump components. The piping boots were open for release detection, and the sensors were correctly positioned below the product piping.

All coaxial fill port lids were properly color-coded per the new API standards, except for REC90. The operators are aware of the new standards and will update the color coding accordingly.

All coaxial fill port watertight caps contained gaskets with tight seals.

All coaxial fill port spill containment buckets were pumped out at the time of the inspection.

There are five (5) dispensers on-site. All dispenser liners were dry at the time of the inspection. The oil filters and a meter were leaking in Dispenser 9, and a leaking meter was noted on Dispenser 3/4 on the 08/01/2023 monthly log (\*). No dripping or leaking was noted on any of the components within the other dispensers. All the shear valves appeared to be properly braced. Hoses showed no visible signs of tears, and the nozzles appeared to be intact.

The following tests were available for review, current, and passed:

- Annual operability test of the release detection device (Veeder-Root TLS-350 panel)
- Annual operability test of three (3) mechanical line leak detectors
- Annual operability test of three (3) overfill protection devices (flapper valves):

The following tests were provided after the inspection; they were current and passed:

- Integrity test of three (3) double-walled fill port spill containment buckets
- Integrity test of three (3) STP sumps
- Integrity test of five (5) dispenser liners

There is a total of nine (9) compliance wells (CW) on-site associated with the UST system per DERM-approved plans dated 05/31/1994 and 07/21/1994.

All CW concrete pads were intact, their lids were properly color-coded per API standards, and their watertight caps were locked or properly secured and contained gaskets.

All CW collars/risers were at least one (1) inch above the surface, and the containment area appeared to be properly grouted.

No visual evidence of free-floating product or sheen was observed, and no petroleum odors were detected during the inspection in any of the CW.

At the time of inspection, the water column levels were determined adequate for release detection meeting the three (3) feet requirement.

The latitude and longitude coordinates have been verified on the STCM-Map. Pictures and an updated site diagram have been attached to this report.

(\*) Although, the following violations must be corrected within 30 days, should you need additional time to comply, please contact the department to discuss a possible extension:

1. Provide a current certificate of financial responsibility (the certificate provided does not list this site as a covered location).
2. Replace the oil filters in Dispenser 9, and repair the leaking meters in Dispenser 3/4 and 9.

A copy of the report and a compliance assistance offer letter will be sent via email to Ms. Nikole Pineda, Sunshine Gasoline Distributors Service Station Maintenance representative – (305)-597-0249 Ext. 418, at npineda@ssminc.com.

## Inspection Photos

Added Date 08/03/2023

Overview of the facility



Added Date 08/03/2023

Tank farm (cont.)



Added Date 08/03/2023

STP sump



Added Date 08/03/2023

Tank farm



Added Date 08/03/2023

Vent



Added Date 08/03/2023

Coaxial fill port



Added Date 08/03/2023

North dispenser island



Added Date 08/03/2023

South dispenser island



Added Date 08/03/2023

Satellite REC90 dispenser



Added Date 08/03/2023

Dispenser liner



Added Date 08/03/2023

Veeder-Root TLS-350 free of alarms



Added Date 08/03/2023

Liquid status report w/ all sensors normal



Added Date 08/03/2023

Class A/B certificate



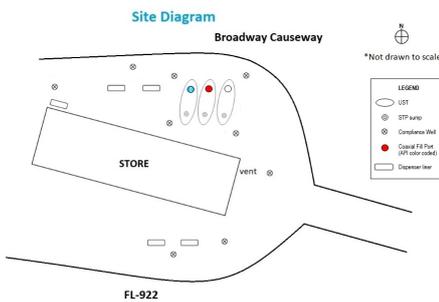
Added Date 08/03/2023

Class C certificate



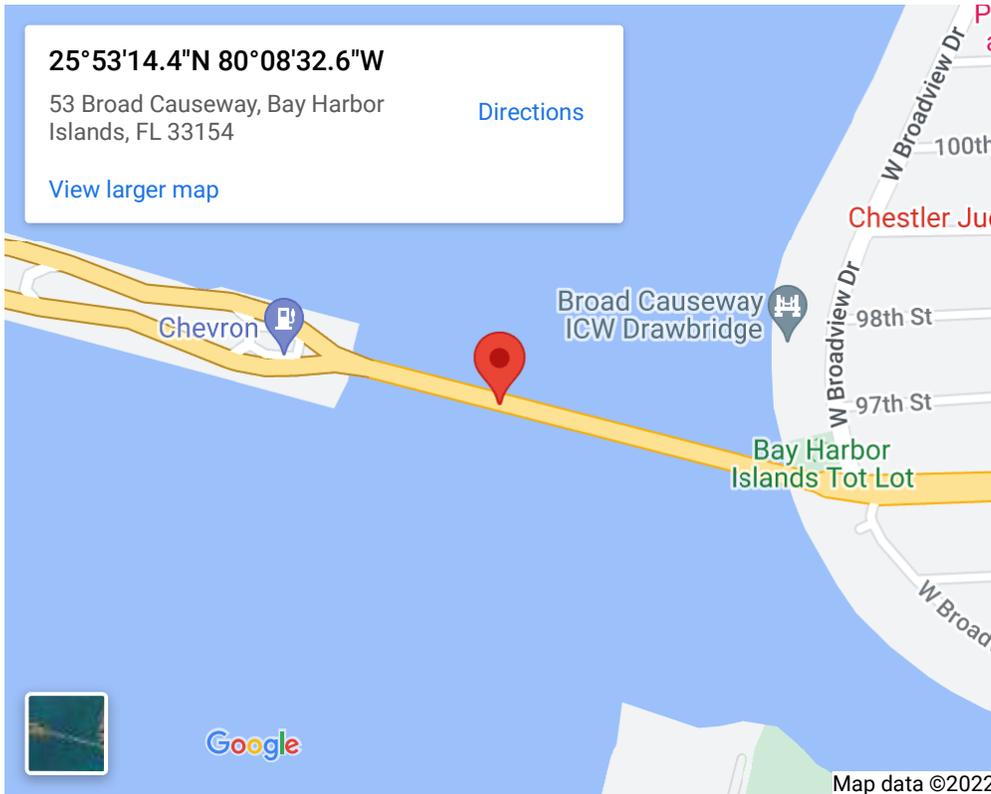
Added Date 08/03/2023

Site Diagram



- [Bing Maps](#)
- [OpenStreetMap](#)
- [MapQuest.com](#)
- [USGS National Map](#)
- [Geo URI \(Android\)](#)

**Coordinates:**  
+25.88732, -80.14239  
25°53'14" N, 80°08'33" W



[View more info at Bridgehunter.com](#)

## Facts

Source: National Bridge Inventory. Information not verified; use at your own risk.

Name:	NE123RD ST. over INTRACOASTAL W/WAY
Structure number:	875101
Location:	0.8 MILE EAST OF US-1
Purpose:	Carries highway and pedestrian walkway over waterway
Route classification:	Minor Arterial (Urban) [16]
Tolls:	Yes, on toll road [2]
Length of largest span:	151.3 ft. [46.1 m]
Total length:	1630.0 ft. [496.8 m]
Roadway width between curbs:	40.4 ft. [12.3 m]
Deck width edge-to-edge:	47.6 ft. [14.5 m]
Vertical clearance below bridge:	13.1 ft. [4.0 m]
Owner:	City or Municipal Highway Agency [04]
Year built:	1951
Historic significance:	Bridge is not eligible for the National Register of Historic Places [5]
Design load:	MS 18 / HS 20 [5]

Main span material: Steel [3]  
 Main span design: Movable - Bascule [16]  
 Deck type: Open Grating [3]  
 Wearing surface: Bituminous [6]

## Latest Available Inspection: January 2018

Good/Fair/Poor Condition: Fair

Status: Open, no restriction [4]

Average daily traffic: 21,216 [as of 2015]

Truck traffic: 4% of total traffic

Deck condition: Satisfactory [6 out of 9]

Superstructure condition: Fair [5 out of 9]

Substructure condition: Good [7 out of 9]

Structural appraisal: Somewhat better than minimum adequacy to tolerate being left in place as is [5]

Deck geometry appraisal: Basically intolerable requiring high priority of replacement [2]

Water adequacy appraisal: Better than present minimum criteria [7]

Roadway alignment appraisal: Meets minimum tolerable limits to be left in place as is [4]

Channel protection: Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel have minor amounts of drift. [7]

Pier/abutment protection: In place and functioning [2]

Scour condition: Bridge foundations determined to be stable for assessed or calculated scour condition. [5]

Sufficiency rating: 47.1

Recommended work: Bridge rehabilitation because of general structure deterioration or inadequate strength. [35]

Estimated cost of work: \$10,000,000

## Previous Inspections

Date	Condition	Deck	Superstructure	Substructure	ADT	Suff. Rating
January 2018	Fair	Satisfactory	Fair	Good	21216	47.1
January 2016	Poor	Satisfactory	Fair	Poor	21216	31.1
January 2014	Poor	Satisfactory	Fair	Poor	21216	31.1
January 2012	Fair	Satisfactory	Satisfactory	Fair	21216	47.7
February 2010	Fair	Fair	Satisfactory	Fair	21216	45.7
February 2008	Fair	Fair	Satisfactory	Fair	21216	45.7
February 2007	Fair	Fair	Satisfactory	Fair	21216	45.7
February 2004	Poor	Poor	Fair	Fair	21216	43.6

April 2002	Poor	Poor	Fair	Satisfactory	21216	44.1
October 2000	Fair	Fair	Fair	Satisfactory	21216	46.4
December 1999	Fair	Fair	Fair	Satisfactory	21216	46.4
November 1997	Fair	Satisfactory	Fair	Satisfactory	20000	48.1
November 1995	Fair	Satisfactory	Fair	Satisfactory	20000	48.1
February 1994	Fair	Satisfactory	Satisfactory	Satisfactory	21962	42.5
December 1992	Fair	Satisfactory	Satisfactory	Fair	20000	34.2
October 1991	Fair	Satisfactory	Satisfactory	Fair	20000	34.2

[BridgeReports.com: National Bridge Inventory data](#)

[ [Locations](#) | [Search](#) | [Cities](#) | [About](#) | [Bridgehunter.com](#) ]

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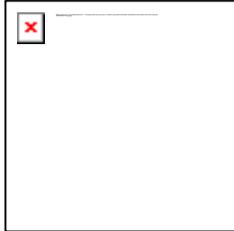
Disclaimer: All data is taken from the National Bridge Inventory and has **not** been verified.

This page's URL is <http://bridgereports.com/1088283>

## Emad, Patti (RER)

---

**From:** FDEP GENERATED LETTER (DO NOT REPLY) <donotreply@dep.state.fl.us>  
**Sent:** Friday, November 03, 2017 2:37 PM  
**To:** jcjimenez@bayharborislands-fl.gov  
**Cc:** Emad, Patti (RER); samuel.cannon@em.myflorida.com; richard.knowles@em.myflorida.com; timothy.parsons@dos.myflorida.com; Emad, Patti (RER); chad.fetrow@dep.state.fl.us; jason.aldridge@dos.myflorida.com; ben.fisch@dep.state.fl.us  
**Subject:** Debris Management Site Authorization Letter - WACS ID 105012, Irma (Sent By: emad\_pb)



### FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southeast District Office  
3301 Gun Club Road, MSC 7210-1  
West Palm Beach, FL 33406-3007

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

NOAH VALENSTEIN  
SECRETARY

Sent via email to: [jcjimenez@bayharborislands-fl.gov](mailto:jcjimenez@bayharborislands-fl.gov)

Date: 11/3/2017

J.C. Jimenez  
9665 Bay Harbor Terrace  
Bay Harbor, FL 33154

RE: Disaster Debris Management Site (DDMS) Closure - Irma

Dear J.C. Jimenez,

The Department has confirmed the closure of the disaster debris management site (DDMS) at the following location:

WACS ID: 105012  
Town Of Bay Harbor Islands  
South Of 97 St And W. Of W. Bay Harbor Dr, Bay Harbor Islands  
Lat 25:53:15.3702 / Long 80:7:57.4002  
Waste Planned for Management: Mixed Debris

Based on an inspection, Department personnel observed that all debris had been removed and there was no evidence of a pollutant release. The Department has not taken nor reviewed any environmental sampling results for this site.

In accordance with the Amended Consolidated Emergency Final Order OGC No. 17-0989 (the Order), which was executed on 9/5/2017, the Department declares this site to be properly closed as of 11/3/2017. Waste materials are no longer authorized to be stored or processed on this site.

For future reference, the Department has also prepared a guidance document on the establishment, operation and closure of a DDMS for disaster debris. This guidance includes recommended practices, which you are expected to follow as much as practicable, as well as additional requirements from the Order. A copy of this

guidance document is available on the DEP website  
[http://www.dep.state.fl.us/mainpage/em/files/debris\\_guidance.pdf](http://www.dep.state.fl.us/mainpage/em/files/debris_guidance.pdf)

If you have any questions or comments on this letter, please feel free to contact Patti Emad by E-mail at [emadp@miamidade.gov](mailto:emadp@miamidade.gov) or by phone at (305) 372-6607. In order to provide better service to you, the Department is using electronic documents as much as possible. Please provide your E-mail address when replying.

Sincerely,



11/3/2017

---

Jennifer Smith  
Southeast District

Date

JKS / pe

Cc: [patti.emad@miamidade.gov](mailto:patti.emad@miamidade.gov) , [samuel.cannon@em.myflorida.com](mailto:samuel.cannon@em.myflorida.com) , [richard.knowles@em.myflorida.com](mailto:richard.knowles@em.myflorida.com) , [timothy.parsons@dos.myflorida.com](mailto:timothy.parsons@dos.myflorida.com) , [emadp@miamidade.gov](mailto:emadp@miamidade.gov) , [chad.fetrow@dep.state.fl.us](mailto:chad.fetrow@dep.state.fl.us) , [jason.aldrige@dos.myflorida.com](mailto:jason.aldrige@dos.myflorida.com) , [ben.fisch@dep.state.fl.us](mailto:ben.fisch@dep.state.fl.us)

This letter generated by emad\_pb.

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## APPENDIX E – EDM HISTORICAL AERIAL PHOTOGRAPH REPORT

# Historical Aerial Photograph Report

## Subject Property:

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

## Prepared For:

Atkins North America, Inc  
4030 West Boy Scout Blvd Suite 700  
Tampa, FL 33607

## Prepared By:



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

September 16, 2022



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

---

September 16, 2022

Brad Bayne  
Atkins North America, Inc  
4030 West Boy Scout Blvd Suite 700  
Tampa, FL 33607

Subject: **Historical Aerial Photos-- EDM Project #: 26281**  
**Client Project# 10080494**

Dear Mr. Bayne:

Thank you for choosing Environmental Data Management, Inc. The following report contains a series of Historical Aerial Photographic images for the following location:

**Broad Causeway Bridge**  
**Bay Harbor Islands, Florida 33154**

These images were selected to provide you with an aerial photographic record of this location at approximate ten year intervals and/or one photograph per decade, where available.

Should you have any questions regarding this report or our service, please feel free to contact us. We appreciate the opportunity to be of service to you and look forward to working with you in the future.

**ENVIRONMENTAL DATA MANAGEMENT, INC.**



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

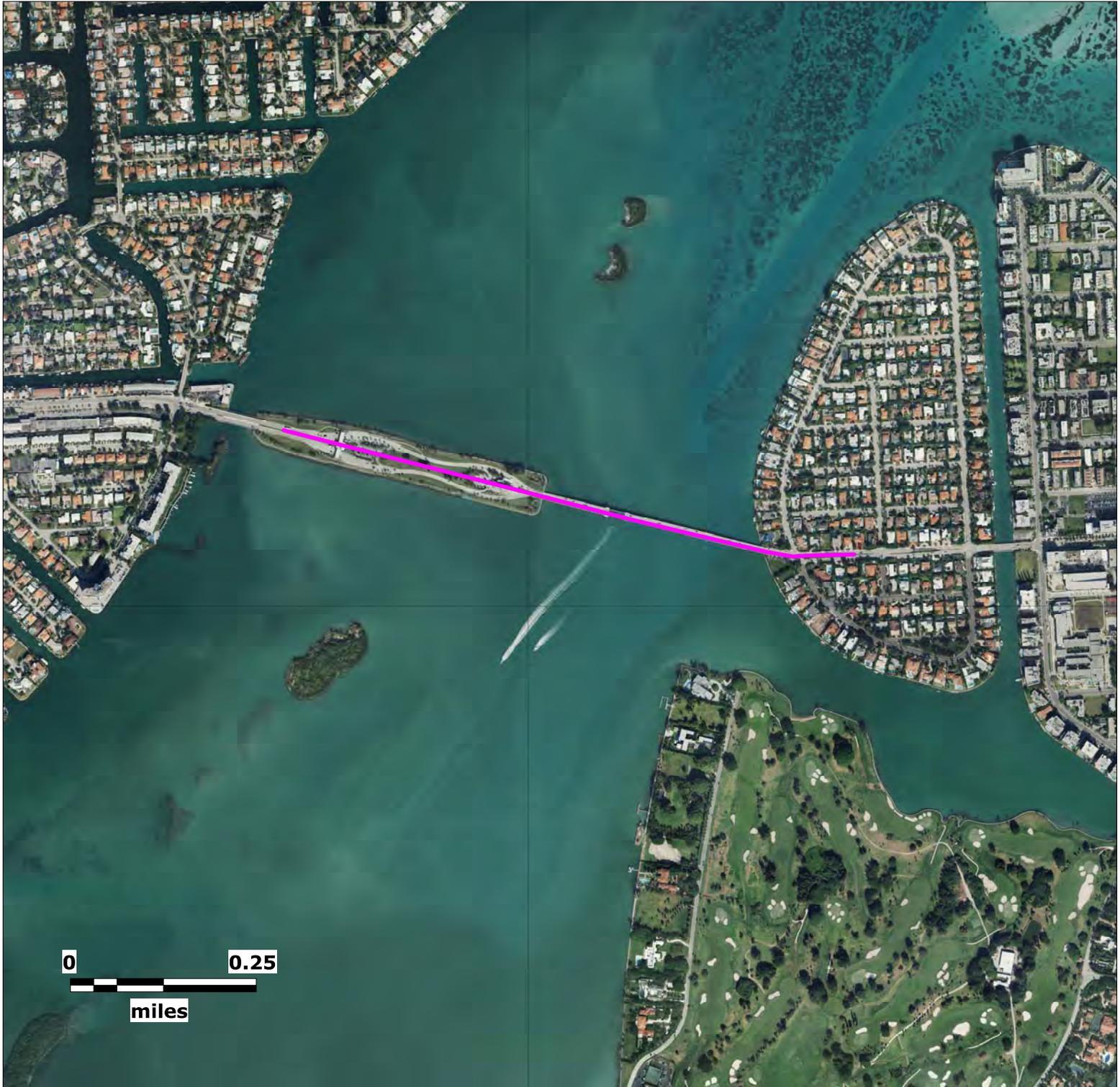
### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

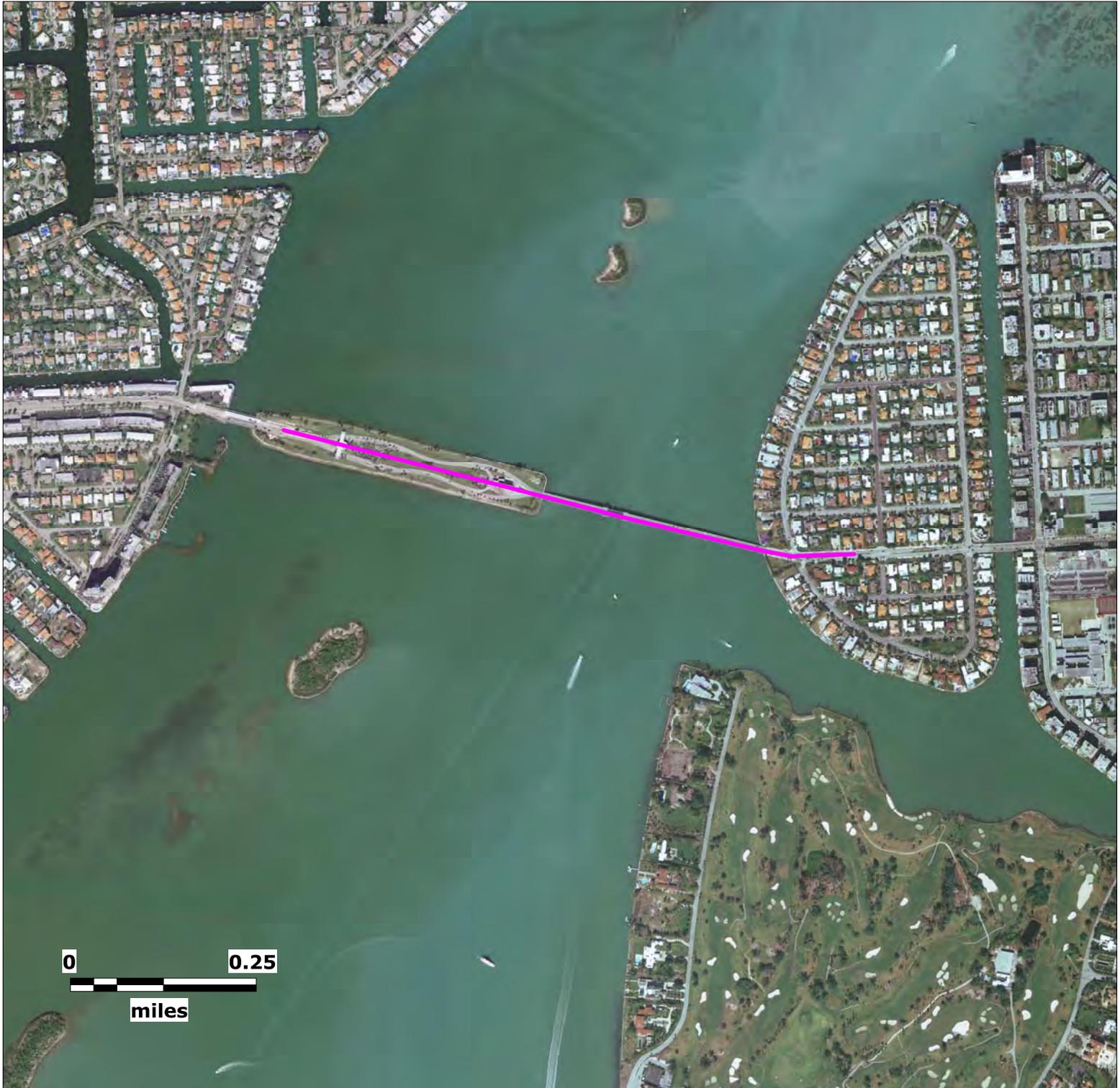
### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

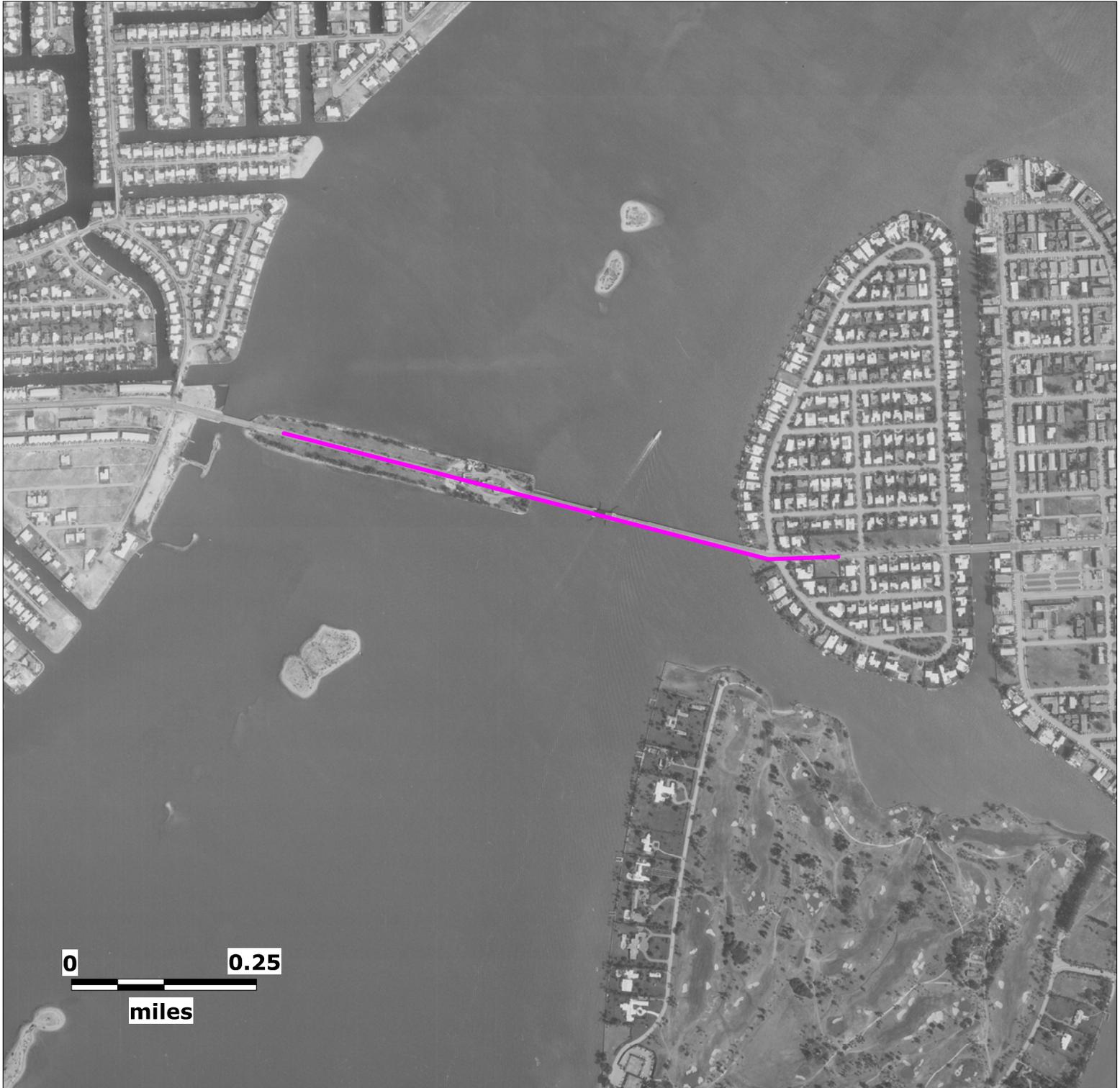
### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

### Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

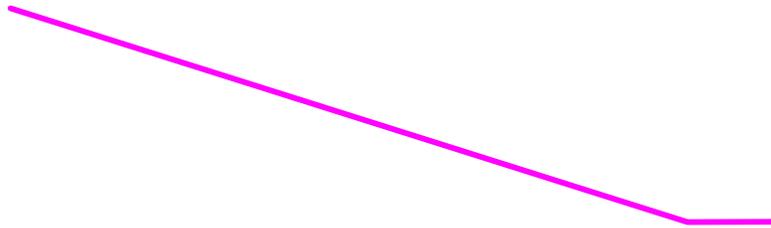
Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



# Data Gap



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

## Subject Property

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



Source: Florida Department of Transportation

Map Scale and Property Boundaries are Approximate

**Subject Property**

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

Lat (DMS): 25 53' 11.6412"  
Lon (DMS): -80 8' 21.03"

EDM Job No: 26281  
September 16, 2022

 Approximate Site Location



## APPENDIX F – EDM CITY DIRECTORY IMAGERY REPORTS

# City Directory Imagery Report

## Subject Property:

Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154

## Prepared For:

Atkins North America, Inc  
4030 West Boy Scout Blvd Suite 700  
Tampa, FL 33607

## Prepared By:



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

September 16, 2022



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

---

September 16, 2022

Brad Bayne  
Atkins North America, Inc  
4030 West Boy Scout Blvd Suite 700  
Tampa, FL 33607

Subject: **City Directory Research Report-- EDM Project #: 26281**

Dear Mr. Bayne:

Thank you for choosing Environmental Data Management, Inc. The following report contains the results of our search for City Directory listings for the following location:

**Broad Causeway Bridge  
Bay Harbor Islands, Florida 33154**

EDM obtains their information from a centralized repository of Polk City Directories. These records were researched back for approximately 50 Years to find directories that may provide you with an occupancy listing of this location at approximate five (5) year intervals, where available. Please see our Research Notes on Page 3 of this report for information on Data Gaps and other available resources.

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.**

**City Directory Search for:** Broad Causeway Bridge Bay Harbor Islands, Florida

**Research Notes:** Our repository had no directories available for Miami-Dade County after 1975. The 1970 and 1975 directories had no listing for the subject property roadway.



---

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

SIXTH FLOOR  
Library Copy  
431 Howard St.

# 1975 MIAMI BEACH (DADE COUNTY, FLA.) CITY DIRECTORY

Including: Bal Harbour, Bay Harbor  
Islands, Indian Creek,  
North Bay Village and  
Surfside

SEP 15 1975

Your New City Directory  
contains **4**  
major directories  
in one volume

**1**

Buyers' Guide  
and Classified  
Business  
Directory

**2**

Alphabetical  
Directory

**3**

Street Directory  
of Householders  
and Businesses

**4**

Numerical  
Telephone  
Directory

AREA CODE 305

PRICE \$65.00

A Library Of  
Out Of Town  
City Directories  
Available At  
Chamber of Commerce

**R·L·POLK & CO.**

**PUBLISHERS**

2910 W. Clay Street • Richmond, Va. 23261  
Tel. (804) 359-6001



ABSTRACTS  
**529 W. Flagler St., Miami, Fla. (33130)**  
 "A HALF CENTURY OF TITLE SERVICE THAT PROTECTS"

Tel. 544-3777

of Dade County  
 955 Southwest Second Avenue  
 Miami, Florida (33130)  
 Tel. (305) 854-4311



**BONITA DR—Contd**  
 4★Donahue J  
 5★Berg Bob 864-8142  
 6★O'Dell J 865-1083  
 7 Monaco B  
 8 Vacant  
 7136 La Salle Studios Apartments 866-5154  
 1 Duby Maxine Mrs 865-5524  
 2 Vacant  
 4 Deichman Paul  
 5★Whitaker P  
 6 Vacant  
 7 Schmidt R  
 8 Vacant  
 15 Vacant  
 7143 Apartments  
 1 Selig M 866-1880  
 2 Levey Jules H 864-3494  
 3 Knowlee M Mrs  
 4 Slakoff S  
 5 Vacant  
 7 Vacant  
 8★Feddersohn B

**BOUNTY AV (TREASURE ISLAND NORTH BAY VILLAGE)—FROM 1520 TREASURE DR NORTH**

ZIP CODE 33141  
 7500 London Sam 864-3081  
 7504 Brody Stanley R © 861-2902  
 7505 Franzus Harry © 866-6363  
 7508★Tatarowicz Eug © 866-9030  
 7509 Silver Jack 864-8942  
 7512 Levinaky Milton A 864-3044  
 7513 Ehrlich Selma Mrs © 865-3395  
 7516 Steinberg J © 866-3534  
 7517 Shapiro Milton M © 865-7868  
 7520 Rappaport Saml © 865-5311  
 7521 Kasdin Philip © 865-5859  
 7524 Lise Robt N © 864-2345  
 7525 Sosna Martin  
 7528 Rothenberg Lloyd © 865-3087  
 7529 Halpert Richd H © 865-3409  
 7532 Weinstein David © 865-2149  
 7533 Straus Norman J © 865-8846  
 7536 Kaye Al 864-5756  
 7537 Koppelle Gerald © 866-3802  
 7540 Pritikin Robt J © 865-3654  
 7541 Kasdin Hyman S © 866-4559  
 7544 Lundy Leon © 866-7235  
 7545 Cocchiaro Frank winter res  
 7548 Keller Stewart © 865-0471  
 7549 Matusow Stanley ©  
 7552★Sphatt Murray 861-2186  
 7553 Buettel Hyman © 866-7930  
 7556 Kram Geo © 865-9528  
 N TREASURE DR INTERSECTS

**BREST ESPLANADE (ISLE OF NORMANDY)—FROM BAY RD NORTHWEST 1 SOUTH OF NORMANDY DR**

ZIP CODE 33141  
**BLARRITY DR BEGINS**  
 6886 Apartments  
 1 Blake Carlton © 866-0425  
 2 Sotland David 866-7166  
 3 Herzoff S A 864-1749  
 4 Wayne Jean 866-3582  
 RUE VENDOME BEGINS

**BREVITY LA (LA GORCE ISLAND) FROM LA GORCE CIR NORTH 4 WEST OF PINE TREE RD**

ZIP CODE 33141  
 6601 Boughton Herman © 866-3959  
 6625 Woolworth Norman B Mrs © 864-4190  
 6641★Aters John 864-7500  
 6655 Hodgkinson Wm R 866-0069  
 LA GORCE CIR INTERSECTS

**BROADVIEW DR E (BAY HARBOR ISLAND)—FROM 1251 94TH ST NORTH**

ZIP CODE 33154  
 9400★Doan Joseph 861-7111  
 9401 Levy Edw C © 866-4543  
 9405 Broad Shepard Hon © 865-2255  
 9407 Bloom Harry © 864-5000  
 9411★Reizenstein Louis © 864-1364  
 9421 Silverman Sarah © 866-0331  
 9431 Galler Edw E ©  
 9450 Gesundheit Elaine © 866-8613  
 9451 Burros Geo © 865-3094  
 9461 Rubin Geo © 866-1307  
 95TH INTERSECTS  
 9501 Hirsh Danl © 866-2841  
 9510 No Return  
 9520 Pickens Nathan © 864-2830  
 9525 Vacant  
 9551★Schiffman Monroe 864-6876  
 9560 Gerson Simon S ©  
 KANE CONCOURSE INTERSECTS

9601 Basaler Robt I ©  
 9621 Kaplan Bruce  
 9623 Glick Morton © 865-4062  
 9640 Gewanter Sol © 866-7066  
 9661 Cominsky Bette F Mrs © 866-8618  
 97TH INTERSECTS

9700 Slatin Albert S © 861-2227  
 9701★Smith Gerald © 865-1795  
 9721★Puig Bautista © 866-6969  
 9740 Richmond Milton H © 864-2718  
 9741 Cohen Meyer © 864-8040  
 98TH INTERSECTS

9800 Petrillo Isabelle Mrs © 864-0033  
 9801 Lodge Martin S © 866-1800  
 9821 Shepperd Lewis A © 865-2688  
 9850 Meiselman Barry D © 865-7697  
 9861★Kleinman Morris ©  
 9881 Asher Leo A © 866-2912  
 99TH INTERSECTS  
 9901★Tavlin Edw © 861-4916  
 9921 Brook Karl R  
 9933 Abel David M © 866-3429  
 9940 Goldsmith P N © 861-3803  
 9961 Slotnick Howard © 861-0003  
 100TH ST INTERSECTS

10000 No Return  
 10001 Jeffreys Ronald ©  
 10021 Miller Howard H © 866-3617  
 10040 Jaye Lloyd B © 866-1256  
 10043 Silverman Lawrence ©  
 10061 Shapiro Theo ©  
 101TH INTERSECTS  
 10101 Phillips Benj © 866-8173  
 10110 Robinson Irene D Mrs © 866-8069  
 10121 Epstein Sylvia Mrs © 864-3436  
 10140 Meyers Alberta B  
 10141 Vacant  
 10161★Cutler Herman 864-7339  
 102D INTERSECTS  
 10200 Sucher Wm © 865-3536

10201 Russell David W ©  
 10221 Kroop Jerris Mrs ©  
 10240 Malkin Stanley ©  
 10241 Schaffer Larry ©  
 10261 Miller Larry ©  
 Miller Jill 861-0254  
 103D INTERSECTS  
 10301 Gettleman Elix Mrs © 866-0771  
 10321 Kravitz Thos C © 865-1071  
 10331 Vacant  
 10337 Borger Leonard 866-6511  
 W BROADVIEW DR INTERSECTS

**BROADVIEW DR W (BAY HARBOR ISLAND)—FROM 2561 94TH ST NORTHWEST AND NORTHEAST**

ZIP CODE 33154  
 9406★Light David S ©  
 9408★Stein Jack C © 865-4949  
 9410 Feinerman Burton ©  
 9414 Sloan Hattie Mrs © 866-2594  
 9424 Jacobs Walter L © 866-4735  
 9425 Arkin Norman A ©  
 9430 Levinhaon Bernie © 864-9913  
 9434 Nichols Pericles G © 866-1008  
 9448 Churchill Clinton H © 866-0092  
 9451 Bellows M C © 866-1189  
 95TH INTERSECTS

9500 Fidel Nellie Mrs © 866-8558  
 9501 Robinson Saml B © 865-0544  
 Robinson Jane 865-0545  
 9510 Krombach Bernard © 866-0404  
 9520 Zalis Danl © 866-3859  
 9530 Revitz Maurice © 865-9243  
 9555 Deutch Richd E © 865-8758  
 KANE CONCOURSE INTERSECTS

9601 Lif Gardenia Mrs ©  
 9640 Schwartz Dave © 866-1724  
 9655 Cohen Stanley M © 866-0112  
 Cohen Harris 861-1631  
 Cohen Marc 866-1369  
 99TH INTERSECTS

9700 Kleiman David S © 864-1340  
 9701 Garfield Leon © 866-3704  
 Smith Gerald  
 9710 Silverman Isaac 865-7106  
 9720 Torres A ©  
 9730 Gold Gordon K ©  
 9737 Eakow Benj © 866-7503  
 9740 Magoon Andrea Mrs © 866-1217  
 998TH INTERSECTS  
 9800 Gordon Sally Mrs © 866-7502  
 Gordon Muriel 865-8039  
 9811 Winston Nathan ©  
 9814 Rosenberg Ralph ©  
 9820★Zalis Danl L ©  
 9826 Serlick Joseph J © 866-8294  
 9835 Wallach Kurt © 864-0029  
 99TH INTERSECTS

9900 Ackelsberg Mack © 865-0923  
 9910 Jaffe Norman S © 866-0385  
 9911 Nelson Theo R Hon © 866-5471  
 Nelson Jon 866-9937  
 9920 Kruse Stanley © 865-0687  
 9930 Chaplin Harvey R © 864-8842  
 9955 Lundy Carl © 866-6221  
 100TH INTERSECTS  
 10000 Denison Edw L © 866-8236  
 10006 Michelson Roger © 865-8888  
 10010 Shapiro John © 864-8971  
 10020 Taylor Jack ©  
 10031 Lealie Saml P © 865-2804  
 10055 Lelchuk Jerome M © 866-8833  
 100TH INTERSECTS

Dependable  
 825 N.E. 79th St. Miami

**W BROADVIEW DR (BHD)—Contd**  
 10240 Kessler Edward © 865-6751  
 10241 Kessler Marshall R © 865-6751  
 10242 No Return  
 10243 Green Irving © 866-7595  
 10244 Bright Michl © 866-8138  
 10245 Wolf Edwin B ©  
 10246 INTERSECTS  
 10247 Farber Donald L © 865-6764  
 10248 Krashbaum Lillian Mrs © 866-7544  
 10249 Scheninger Alexandria Mrs © 866-8360  
 10250 Rose Jerry © 866-4129  
 10251 Rose Robin 866-8793  
 10252 Gemin Robt © 861-4288  
 10253 Soig Geo L © 866-3302  
 10254 INTERSECTS  
 10255 Heller Seth 865-8406  
 10256 Leuder Erwin © 864-8462  
 10257 Leuder Cathy 861-4671  
 10258 Parman Robt L © 865-2825

**BROADVIEW TER (BAY HARBOR ISLAND)—FROM 1300 95TH ST NORTH**

ZIP CODE 33154  
 9500 Vacant  
 9501 Levinson Marvin S © 866-2845  
 9502 Buffa John 865-1679  
 9503 Goodman Harvey E ©  
 KANE CONCOURSE INTERSECTS  
 9600 Thomas Plastering & Drywalling I  
 9601 Thomas Philip © 864-6802  
 9602 Herman Elaine Mrs © 895-1341  
 9603 Newman Theo mus tchr © 861-5  
 9604 Tann David © 866-5525  
 97TH INTERSECTS  
 9700 Reibel Albert S © 866-1781  
 Reibel Robin 866-1954  
 9701 Elman Barney  
 9702 Miller Carol Mrs ©  
 9703 Seigel Juan  
 98TH INTERSECTS  
 9800 Kimble Richd A © 865-2471  
 9801 Gottlieb Wm © 865-2262  
 9802 Kroop Richd I lwyer 864-5917  
 9803 Schaffer Mortimer ©  
 99TH INTERSECTS  
 9911 Lundy Martin L © 866-3668  
 9912 Shapiro Edw © 865-3085  
 9913 Nabat David J © 866-5335  
 100TH INTERSECTS  
 (NOT OPEN)

**BRUCE ST —FROM 7320 WAYNE WEST 1 NORTH OF 73D**

ZIP CODE 33141  
 7300 Parkview Manor 864-5395  
 1 Rieger Ena Mrs 864-2380  
 2 Sheffield Chas H 861-2575  
 3 Turner Irving 864-4180  
 4 Eder L 866-2224  
 5 Lapidus Al 865-5859  
 6 Goltzman Bessie 864-8234  
 7 Lipsitz Wm 865-8226  
 8 Mirrahi Harry 864-0212  
 9 Kravet Arth 864-1779  
 10 Lakof Sam 866-7964  
 11 Apartments  
 1 Furian Louis 865-5584  
 2 Sapienza Lillian 865-5104  
 3 Margan Chris  
 4 Sland Betty Mrs 864-5663  
 5 Vacant  
 6 Daryl Hale  
 7 Alonso Alfredo 865-9415  
 8 Pinos D 864-5185

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**BONITA DR—Contd**  
5 Levy Martin 866-7226  
6 Erman Helen 864-1719  
7 Vacant  
8 Thiffman Anne 866-6767  
9 Starr Larry 864-2811  
10 De Spain Fred  
11 Steinberger Sydney 864-9419  
12 Sawyer Herman J 866-3179  
12a Smith Alf 866-9020  
14 Libman E

7090 Vacant  
7098 Rush-Home Of The Bell Bottom The retail men's clo  
**JOHN F KENNEDY BLVD INTERSECTS**

7110 Despina Apartments  
1 Nomides Despina Mrs 866-7510  
2 Tindall Spencer  
3 Femminella F  
4 Wax Martin 866-2953  
5 Hays Edw C  
6 Kipifides Theo 865-2059  
7 Chaskin Harold 864-3258  
8 Keenan Marie 865-8068  
9 Christensen Dolores 866-2073  
10 Vacant

7118 Umbrella Towers West  
7133 Sea Garden Apartments

1 Vacant  
2 Persons Linda  
3 Adrians Danny  
4 Bierhorst Dan  
5 Regan Olivia G 865-8468  
6 Rodin Madeline  
7 Ryan M  
8 Seaman Carl 866-0661  
Apartments  
1 Selig Marjorie 866-1880  
2 Levey Jules H 864-3494  
3 Sloan Elvas  
4 Vorspan Harvey 864-2015  
5 Vacant  
6 Vacant  
7 Malon H  
8 Weiss Walter

**STREET CONTINUED**  
7136 La Salle Studios Apartments

1 Herz H  
2 Harrison Freeda  
3 Mc Carthy Lawrence F 865-4058  
4 De Carlo Vicent 864-7812  
5 Gallagher John 864-6489  
6 Wiley Virginia Mrs  
7 Miller James E 866-5154  
8 Vacant  
9 Crawford W  
10 Vacant  
11 Sykes Sadie  
12 Callahan Tom D 865-6970  
14 Lesser Norman 866-4940  
15 Sturm Dennis 865-1112

**BOUNTY AV (TREASURE ISLAND NORTH BAY VILLAGE)—FROM 1520 TREASURE DR NORTH**

7500 Cantor Sydney L 864-0497  
7504 Mark Arth P © 865-0374  
7505 Franzus Harry © 866-6363  
7508 School Paul H © 865-5026  
7509 Silver Jack 864-8942  
7512 Levinsky Milton A 864-3044  
7513 Ehrlich Selma Mrs © 865-3395  
7516 Neuman Harvey © 865-3629  
7517 Shapiro Milton M © 865-7868

7520 Rappaport Saml © 865-5311  
7521 Kasdin Philip © 865-5859  
7524 Liss Robt N © 864-2345  
7525 Sosna Martin W © 865-3435  
7528 Rothenberg Lloyd © 865-3087  
7529 Halpert Richd H © 865-3409  
7532 Weinstock David © 865-2149  
7533 Straus Norman J © 865-8846  
7536 Kaye Janis E 864-5756  
7537 Koppele Gerald © 866-3802  
7540 Pritikin Robt J © 865-3654  
7541 Kasdin Hyman S © 866-4559  
7544 Lundy Leon © 866-7235  
7545 Vacant  
7548 Crespi Bianco Mrs  
7549 Barkin Harry © 864-2664  
7552 Fredell Florence P Mrs ©  
7553 Buettel Hyman © 866-7930  
7556 Kram Geo © 864-8466

**BREST ESPLANADE (ISLE OF NORMANDY)—FROM BAY RD NORTHWEST TO RUE VENDOME, 1 SOUTH OF NORMANDY DR**

ZIP CODE 33141  
BIARRITZ DR BEGINS

6886 Apartments  
1 Blake Carlton © 866-0425  
2 Sklar Fannie Mrs 866-3240  
3 Herzoff S A  
4 Wayne Jean 866-3582  
RUE VENDOME BEGINS

**BREVITY LA (LA GORCE ISLAND) FROM LA GORCE CIR NORTH TO LA GORCE CIR, 4 WEST OF PINE TREE RD**

ZIP CODE 33139  
6601 Boughton Herman © 866-5986  
6625 Burns Geo F © 866-4514  
6641 Quackenbush Robie J Mrs © 866-1194  
6655 Hodgkinson Wm R 866-0069  
LA GORCE CIR INTERSECTS

**BROADVIEW DR E (BAY HARBOR ISLAND)—FROM 1251 94TH ST NORTH**

ZIP CODE 33154  
9401 Levy Edw C © 866-4543  
9405 Broad Shepard Hon © 865-2255  
9407 Bloom Harry ©  
9411 Fischer Michl M © 866-6425  
9421 Alter Frank N real est © 866-6723  
9431 Galler Edw E © 865-2738  
9450 Gesundheit Marcus © 866-8613  
9451 Burros Geo © 865-3094  
9461 Rubin Geo S © 866-1307  
95TH INTERSECTS  
9501 Hirsh Danl © 866-2841  
9520 Kain Sidney M © 866-5091  
9525 Kugel Dora Mrs © 866-6446  
9551 No Return  
9560 Gerson Simon S © 865-8205  
KANE CONCOURSE INTERSECTS  
9601 Vacant  
9623 Glick Martin ©  
9640 Gewanter Sol © 866-7066  
9661 Cominsky Manuel © 866-8618  
97TH INTERSECTS  
9700 Slatin Albert S 864-6219

9721 Greenberg Harry A © 866-4394  
9740 Richmond Milton H © 866-4394  
9741 Gorden Sidney © 866-9652  
98TH INTERSECTS  
9800 Petrillo Felix © 864-0033  
9801 Lodge Martin S © 866-1950  
9821 Shepperd Lewis A © 865-5999  
9850 Meiselman Barry D © 865-5999  
9861 Kleinman Morris © 865-5999  
9881 Asher Leo A ©

99TH INTERSECTS  
9901 Breslaw Anne M Mrs © 866-4394  
9921 Brook Karl R  
9933 Abel David M © 866-3428  
9940 Shapiro John © 864-8971  
9961 Carney James M © 866-4830  
100TH ST INTERSECTS  
10000 Glanzer Isidor © 865-5970  
10001 Evans Jack ©  
10021 Miller Howard H © 866-3617  
10040 Jaye Lloyd B © 866-1256  
10043 Silverman Lawrence ©  
10061 Shapiro Theo ©

101TH INTERSECTS  
10101 Phillips Benj © 866-8173  
10110 Robinson Irene D Mrs © 866-4394  
10121 Epstein Sylvia © 864-3436  
10140 Myers Albert B ©  
10141 Swann Leonard A © 866-0947  
10161 Vacant

102D INTERSECTS  
10200 Sucher Wm © 865-3536  
10201 Russell David W © 866-1492  
10221 No Return  
10240 Mandel Joseph © 866-1364  
10241 Vacant  
10261 Miller Abner © 864-8400  
103D INTERSECTS  
10301 Gittleman Morris © 866-9705  
10321 Kravitz Thos C © 865-7471  
10331 Lieberman Lionel © 864-2879  
10337 Farber Nathan © 866-6075  
W BROADVIEW DR INTERSECTS

10400 Denison  
10006 No Ret  
10010 Rosen  
10020 Taylor  
10031 Leslie  
10050 Valchun  
10055 Lechu  
100TH INT  
10100 Cohen  
10120 No Re  
10125 Udell  
10130 Green  
10140 Bright  
10155 Wolf I  
102D INT  
10200 Volpin  
10215 Kirsh  
10226 Schon  
10235 Ross  
10236 Kaye  
10250 Sogg  
103D INT  
10300 Dinis  
10312 Vacan  
10330 Simo  
10340 Ferra

10611 Shapiro Theo ©  
10101 Phillips Benj © 866-8173  
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10121 Epstein Sylvia © 864-3436  
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10161 Vacant  
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10200 Sucher Wm © 865-3536  
10201 Russell David W © 866-1492  
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10337 Farber Nathan © 866-6075  
W BROADVIEW DR INTERSECTS

**BROADVIEW DR W (BAY HARBOR ISLAND)—FROM 2561 94TH ST NORTHWEST AND NORTHEAST**

ZIP CODE 33154  
9408 Stein Jack © 865-4949  
9410 Feinerman Burton ©  
9414 Sloan Hattie Mrs © 866-8934  
9418 Revitz Robt © 864-5708  
9424 Jacobs Walter L © 866-0306  
9425 Arkin Norman A ©  
9430 Cooper Geoffrey © 866-2581  
9434 Nichols Pericles G © 866-1009  
9448 Churchill Clinton H © 866-0282  
9451 Bellows M J © 866-1919  
95TH INTERSECTS  
9500 Fidel Nellie Mrs © 866-6356  
9501 Robinson Saml B © 865-0544  
9510 Krombach Bernard © 865-2404  
9520 Zalis Danl © 865-9859

9530 Revitz Maurice ©  
9555 Deutch Richd E © 865-8755  
KANE CONCOURSE INTERSECTS  
9601 No Return  
9640 Schwartz Dave © 866-1724  
9655 Cohen Stanley M © 866-0113  
97TH INTERSECTS  
9700 Kleiman David S © 864-1340  
9701 Garfield Leon © 866-3704  
9710 No Return  
9720 Vacant  
9730 Gold Gordon K ©

W BROADVIEW DR  
9730 Eakow B  
9740 Magoon A  
99TH INTE  
9800 Gordon S  
Gordon M  
9811 Winston  
9814 Rosenber  
9825 Kotler M  
9835 Wallach  
99TH INTE  
9900 Ackelabe  
9910 Jaffe No  
9911 Nelson T  
9920 Kruse S  
9955 Chaplin  
9955 Lundy C

100TH INT  
10000 Denison  
10006 No Ret  
10010 Rosen  
10020 Taylor  
10031 Leslie  
10050 Valchun  
10055 Lechu  
100TH INT  
10100 Cohen  
10120 No Re  
10125 Udell  
10130 Green  
10140 Bright  
10155 Wolf I  
102D INT  
10200 Volpin  
10215 Kirsh  
10226 Schon  
10235 Ross  
10236 Kaye  
10250 Sogg  
103D INT  
10300 Dinis  
10312 Vacan  
10330 Simo  
10340 Ferra

10611 Shapiro Theo ©  
10101 Phillips Benj © 866-8173  
10110 Robinson Irene D Mrs © 866-4394  
10121 Epstein Sylvia © 864-3436  
10140 Myers Albert B ©  
10141 Swann Leonard A © 866-0947  
10161 Vacant  
102D INTERSECTS  
10200 Sucher Wm © 865-3536  
10201 Russell David W © 866-1492  
10221 No Return  
10240 Mandel Joseph © 866-1364  
10241 Vacant  
10261 Miller Abner © 864-8400  
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10321 Kravitz Thos C © 865-7471  
10331 Lieberman Lionel © 864-2879  
10337 Farber Nathan © 866-6075  
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10050 Valchun  
10055 Lechu  
100TH INT  
10100 Cohen  
10120 No Re  
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10130 Green  
10140 Bright  
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10226 Schon  
10235 Ross  
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10250 Sogg  
103D INT  
10300 Dinis  
10312 Vacan  
10330 Simo  
10340 Ferra

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10101 Phillips Benj © 866-8173  
10110 Robinson Irene D Mrs © 866-4394  
10121 Epstein Sylvia © 864-3436  
10140 Myers Albert B ©  
10141 Swann Leonard A © 866-0947  
10161 Vacant  
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10200 Sucher Wm © 865-3536  
10201 Russell David W © 866-1492  
10221 No Return  
10240 Mandel Joseph © 866-1364  
10241 Vacant  
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10301 Gittleman Morris © 866-9705  
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10337 Farber Nathan © 866-6075  
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10050 Valchun  
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10125 Udell  
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10235 Ross  
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10250 Sogg  
103D INT  
10300 Dinis  
10312 Vacan  
10330 Simo  
10340 Ferra

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10140 Myers Albert B ©  
10141 Swann Leonard A © 866-0947  
10161 Vacant  
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10221 No Return  
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10241 Vacant  
10261 Miller Abner © 864-8400  
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10321 Kravitz Thos C © 865-7471  
10331 Lieberman Lionel © 864-2879  
10337 Farber Nathan © 866-6075  
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10100 Cohen  
10120 No Re  
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10130 Green  
10140 Bright  
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10200 Volpin  
10215 Kirsh  
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10235 Ross  
10236 Kaye  
10250 Sogg  
103D INT  
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10312 Vacan  
10330 Simo  
10340 Ferra

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10140 Myers Albert B ©  
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10020 Taylor  
10031 Leslie  
10050 Valchun  
10055 Lechu  
100TH INT  
10100 Cohen  
10120 No Re  
10125 Udell  
10130 Green  
10140 Bright  
10155 Wolf I  
102D INT  
10200 Volpin  
10215 Kirsh  
10226 Schon  
10235 Ross  
10236 Kaye  
10250 Sogg  
103D INT  
10300 Dinis  
10312 Vacan  
10330 Simo  
10340 Ferra



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594

# City Directory Imagery Report

## Subject Property:

96<sup>th</sup> Street aka Kane Concourse  
Bay Harbor Islands, Florida 33154

## Prepared For:

Atkins North America, Inc  
4030 West Boy Scout Blvd Suite 700  
Tampa, FL 33607

## Prepared By:



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

October 11, 2022



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

---

October 11, 2022

Brad Bayne  
Atkins North America, Inc  
4030 West Boy Scout Blvd Suite 700  
Tampa, FL 33607

Subject: **City Directory Research Report-- EDM Project #: 26281**

Dear Mr. Bayne:

Thank you for choosing Environmental Data Management, Inc. The following report contains the results of our search for City Directory listings for the following location:

**96<sup>th</sup> Street aka Kane Concourse  
Bay Harbor Islands, Florida 33154**

EDM obtains their information from a centralized repository of Polk City Directories. These records were researched back as far as directories were available to provide you with an occupancy listing of this location at approximate five (5) year intervals, where available. **Please see our Research Notes on Page 3** of this report for information on Data Gaps and other available resources.

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.**

**City Directory Search for:** 96<sup>th</sup> Street aka Kane Concourse Bay Harbor Islands, Florida

**Research Notes:** Our repository had no directories available for the referenced roadway after 1976 or before 1955. A search of Worldcat found no additional sources of directories for the subject roadway.



---

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 307 Tabone Virginia 534-0427  
 1829 Brennan Frances Mrs 532-1523  
 Schaffer David @ 538-5005  
 1830 Janshaw Isidor @ 531-5834  
 1836 Diaz Enrique 534-6743  
 1848 Curto Geraldine Mrs 534-9797  
 Rosy Mencia Ambrosia 531-3723  
 1853\*Guerrero Luis A 534-4967

**JEFFERSON AV N —FROM 801 W  
 41ST ST NORTH TO W 46TH ST I  
 WEST OF N MERIDIAN AV**

ZIP CODE 33140  
 NOT OPEN  
 41ST INTERSECTS  
 42D INTERSECTS  
 43D ST INTERSECTS  
 4125 Vacant  
 4142 Nautilus Towers condominium  
 2a Andreani Martha H Mrs 532-8031  
 2b Halberstadt Pearl  
 2c Polak Ralph L Mrs 534-3327  
 2d Grossman Albert 532-8569  
 3a\*Spar Silvia 538-0936  
 3b\*Gulbut Abr  
 3c Powers John L 534-0334  
 3d\*Barany Michl  
 4a Wood Wayne W 531-9793  
 4b Kleinberger Ben 534-3327  
 4c Mindlin Sol 534-3415  
 4d Berger Miki 534-0772  
 5a Becker Victor 534-2424  
 5b Jurman Adolph  
 5c Kainen Sarita 534-0442  
 5d Fleischer E  
 6a Vacant  
 6b Lupka Joel 534-3240  
 6c Johnson Albert J Jr 534-3063  
 6d No Return  
 4305 Zucker Marion Mrs @ 531-1998  
 4315 Levine Rita L Mrs @ 538-3412  
 4320 Luxemburg Sidney @ 532-3912  
 4330 Baer Bernhard B @ 534-6615  
 4333\*Gould Ronney 673-4678  
 4345 Grossberg David @ 538-7194  
 4350\*Molinari Helen @ 538-0155  
**44TH CT INTERSECTS**  
 4440 Nathan David A @  
 4445 Kaskel David @ 532-4237  
 4450\*Shapiro Brian @ 534-9728  
 4455 Maldonado Anthony @ 531-3529  
 4460 Kaufman Howard G @ 532-9462  
 4465 Strachman Jack L @ 532-1171  
 4470 Feuer Oscar O @ 538-1369  
 Besvinick Sam 538-1369  
 4475 Ganz Joseph H @ 534-0904  
 4480 Bunim Louis A @ 531-9075  
 4485 Knauer Gerald M @ 534-2747  
 4490 Shalom Sol @ 534-5955  
 4495 Granoff Harold R @ 532-4492  
 4500 Spector J Bernard 538-2419  
 4501 Mann Henry @ 531-2096  
 4510 Saferstein Geo @ 538-3160  
 4515\*Alvarez Elizabeth @ 531-0659  
 4520 Holland W Phillip @ 538-2500  
 4525\*Kurtz Henry @ 531-8864  
 4530 Smith Martin A @ 532-2708  
 4535 Meisel Harold @ 538-1355  
 4544 Mufson Saml R @  
 4545 Hart Bernard M @ 534-5663  
 4550 Cohn Edw @ 534-0908  
 4555 No Return  
 4557 Vacant  
 4560 Singer Arth @ 532-6037  
 4567 Rubin Arnold @ 538-7180  
 4570\*Beldner Leonard @ 538-6000  
 4580 Cohn Harold B @ 531-9002  
 4581 Rose Leo Jr @ 538-2857  
 4590 Segal Wm W @ 534-2341  
**46TH INTERSECTS**

**JEWEL AV (NORTH BAY VILLAGE)  
 FROM 1800 S TREASURE DR  
 NORTH**

ZIP CODE 33141  
 7504 Hirsch Rudy @ 861-5449  
 7508 Hornreich Arth @ 865-3089  
 7512 Schmidt Gene @ 861-5616

7516 London Abr @ 864-6635  
**GALLEON INTERSECTS**

**JOHN F KENNEDY BLVD —CHANGED  
 TO 71ST ST**

**JOHN F KENNEDY BLVD N (ISLE OF  
 NORMANDY)—CHANGED TO  
 NORMANDY DR**

**JOHNS ISLAND —IN BISCAYNE BAY  
 WEST OF 4300 ALTON RD**

ZIP CODE 33140  
 Mount Sinai Hosp nurses res

**JONES ST (ISLE OF NORMANDY)  
 FROM NORMANDY WATERWAY  
 NORTH 3 WEST OF BAY DR**

ZIP CODE 33141

**KANE CONCOURSE (BAY HARBOUR  
 ISLAND ALSO KNOWN AS 96TH  
 ST)—FROM INDIAN CREEK RIVER  
 WEST**

ZIP CODE 33154

1000 Hollywood Harry Inc 864-2271  
 1001 Bay Harbor Drugs Inc 865-3746  
 1005 Bay Harbor Office Building 866-3909  
 Rooms  
 201 Schwarz Charles A phys 865-3237  
 203 Codd R Trent acct 866-0510  
 206 Jana Joseph T Jr phys 864-1726  
 206 Terragni Manlio phys 864-1726  
 207 Goldsmith Stanley G real est  
 865-5289  
 208 Siegel Irvin real est  
 209 Klotz Melvin M dentist 866-2260  
 210 State Amusement Corp ofc  
 866-0640  
 211 Vacant  
 212 Hughes J Vincent acct 866-0510  
 1007 Rauchbach Galleries 861-9992  
 1009 Inside Restaurant 864-2049  
 1011 Bay Harbor Opticians 864-4540  
 1013 Bay Harbor Hair Stylists 864-1936  
 1015 Bal Bay Gifts Inc cards 865-8842  
 1017 Laverne Beatrice Dance Studio  
 866-5675  
 1019 Lustig Florence clo 866-0543  
 1024 Shell's City Inc 865-7427  
**1025 Rooms**  
 201 Vericat Joseph F tailor 866-3827  
 202 Leventhal Ronald E dentist  
 866-8542  
 202 Rauch Jon L dentist 866-8542  
 204 Porter Ronald N dentist 861-4774  
 206 Chicago Sun Times-Daily News  
 adv dept 864-2877  
 207 Sklar Oscar archt 861-9717  
 209 Vacant  
 215 Velasco Joseph E phys 861-5335  
 216 Packer Joseph real est 864-0565  
 217 Graubart Shirley electrolysis  
 865-8015  
 218 Herscher Bernard K real est  
 865-7472  
 1027 Trifles & Treasures antiques 865-2044  
 1029 Arthur's Hair Stylists 864-1714  
 1031 Mildred's Of Bay Harbor Islands  
 864-6115  
 1033 Lee Minna Importers clo 866-2419  
 1035 Coulter J Danl jwlr 868-6660  
 1037 Sanchez Rene clo 865-2538  
 1039 Las Vegas Hilton Flamingo Hilton  
 865-4325  
 1045 Ten Forty Five Kane Concourse  
 Building  
 Rooms  
 201 Kessler Marshall R phys 866-2411  
 203 Putter Pierre J phys 865-0431  
 206 Jackson China Co Inc china mfrs  
 865-0377

209 Ritz Dental Prosthetics lab  
 861-6883  
 210 Vacant  
 214 Block Jerome G phys 866-4666  
 215 Vacant  
 216 Inzer Eunice B real est broker  
 868-8800  
 217 Prescott Ball & Turben stock  
 broker 868-1616  
 1047 Jarvis Edw O dentist 861-3614  
 Stein Allen H dentist 861-3614  
 Wolff Louis B dentist 861-3614  
 1048 Northview Building  
 Peninsular General Builders Inc bldg  
 contrs 865-6818  
 1048a Cypress Key Club 861-4494  
 1048b Northview Associates apt rental ofc  
 865-2328  
 1050 Berk's Tom Wigwam wigs 864-2215  
 1052 Medici O Gallery art gallery 864-5355  
 1054 Lemon Drop The 865-3531  
 1055 Regal Deborah Mrs clo 866-3324  
 1060 Brewster Frances Inc clo 866-1039  
 1069 Mister Guy clo 865-7055  
 1071 Mister Bernard Inc beauty shop  
 865-9901  
 1072 Camhi Galleries Inc art gallery  
 861-0907  
 1074 Saint Laurent Rive Gauche women's  
 clo 865-6966  
 1075 Stella's Originals clo 864-3611  
 1076 Rosenthal & Co commodity mkt  
 861-3657  
 1079 Cache' Boutique clo 868-1193  
 1085 Smith Barney Harris Upham Inc  
 stock brokers 865-0511  
**BAY HARBOR TER INTERSECTS**  
 1100 American Savings & Loan Assn Of  
 Florida 673-5566  
 1108 Professional Building  
 Barnett Bank Of Bay Harbor Islands  
 N A 866-8811  
 Broad & Cassel lwyr 868-1000  
 1124 Tippet Nelson S phys 866-6543  
 Appelbaum Herbert H phys 866-6543  
 Lazan & Trute lwyr 865-6736  
 1126 Hill Lucy Cooper Needlepoint  
 866-8322  
 1128 Berenson Gallery art 864-9617  
 1130 Only Black & White clo 866-1855  
 1132 Vacant  
 1135 Century Building  
**FLOORS**  
 1st Fl Galerie 99 art 865-5823  
 2d Fl Modern Technology Inc food  
 processing equip 868-0037  
 2d Fl Beyer Blinder Belle Architects  
 861-9365  
 3d Fl Purcell Graham & Co stock  
 brokers 865-4161  
 4th Fl Cohen Stephan L lwyr 865-6944  
 4th Fl Merritt Roger J lwyr 865-6944  
 4th Fl Snetman Louis F lwyr 865-6944  
 5th Fl Nelson & Feldman lwyr  
 865-5716  
 5th Fl Davidson Leonard H lwyr  
 865-5716  
 5th Fl Friedman Julius I lwyr  
 6th Fl Bokum Resources Corp mining  
 engs 865-6222  
 1141 Justice Jack Realtor 866-6211  
 Printup Hale & Assocs adv 866-0624  
 Ribner Business Forms Inc 865-0663  
 1143 Chase Savers Ins Corp 865-0548  
 1145 Reed Francis A phys 864-1373  
 1147 Play Girl Beauty Salon 865-5534  
 1160 Bay Harbor Medical Center 866-3213  
 Rooms  
 101 Trait James J phys 866-0333  
 201 Sparer Wm phys 865-1358  
 202 Mc Cready James W Jr phys  
 866-6811  
 203 Corbo Anthony G dentist 866-7127  
 203 Poveromo Mel D dentist 866-7127  
 204 Jacobson Gilbert dentist 865-0328  
 205 Vacant  
 206 Bay Harbor Medical Laboratory  
 866-3213  
 301 Dupuy Dulany J lwyr 865-2364  
 301 Struble Roy L lwyr 865-2364  
 302 Singer David J phys 864-3343  
 303 Torrado Rene A phys 866-4605  
 303 Weissman Bruce W phys 864-1201

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### KANE CONCOURSE (BHI)—Contd

- 304 Dunn Allan R phys 865-6534
- 402 Blum Norman J phys 866-1421
- 402 Bradley Matthew H phys 866-1421
- 402 Donshik Gary R phys 866-1421
- 402 Scheib Ronald J phys 866-1421
- 403 Schwartz Sol M dentist 865-0588
- Washington Federal Savings & Loan Assn Of Mb 865-4344
- 1170 Bay Harbor Theatre 866-2441
- 1177 Storer Broadcasting Co 866-0211
- BAY HARBOR DR INTERSECTS
- BAY HARBOR WATERWAY CROSSES
- E BROADVIEW DR INTERSECTS
- 1210 Moseson Sidney @ 866-1113
- 1230 Vacant
- 1250 Hirsch M Fred @ 865-8142
- 1251 Comet Development Corp bldg contr 861-7850
- Kohn Joseph @ 861-4642
- 1260 Fitelson Walter @ 865-2378
- 1270 Fainberg Edw @
- 1271 Tucker Saml A @

### BROADVIEW TER INTERSECTS

- 1330 Slewett Alan 861-4535
- 1350 Stolar David M @ 861-2294
- 1371 Floun Iris @ 864-6602

### BROADVIEW DR INTERSECTS

### KINGS POINT DR —FROM 15920 COLLINS AV WEST

- ZIP CODE 33160
- 100 Century Towers Apartments 949-1331
- Century Towers Beauty Salon 949-1218
- 201\*Seiden B
- 202 Schein B
- 202 Kleinfeld Irving L 944-2516
- 203\*Smith Jack
- 204 Lowengrub Perry 944-4865
- 205\*Epstein S
- 206\*Glasser P
- 207 Goldman Harriett
- 208 Finkelstein Milton 944-3895
- 209 Shiffman E 945-8650
- 210 Maselli Wm
- 211 Weverman Irving 945-2327
- 212 Vacant
- 215\*Magaziner Wm 940-2166
- 216 Rothschild Leo 940-1730
- 217\*Becker M P
- 218 Hoffman H 944-4933
- 220\*Sehittman Barney 945-1373
- 221\*Stausky Alvin D
- 223 Kirsten Alex 945-8947
- 301 Vacant
- 302\*Posner Kirshman T 945-8756
- 303 Bensman Ralph 944-5620
- 304 Sohmer Carolyn 944-1624
- 305 Vacant
- 306 Shoeman N
- 307 Weinstock Sadie B 944-7716
- 308\*Goldstein Rose 944-7209
- 309\*Goodman Bertha 949-6781
- 310\*Selby S
- 311\*Berick Morris 940-1433
- 312\*Tafler J H
- 314 Myers Sara T 944-7030
- 315 Baker Jerry M 944-4438
- 316 Pace T R
- 317 Rubin Mae 940-2615
- 318 Berliner Joseph 949-9925
- 319 Misles Mary 949-2110
- 320 Smith Sam 949-5898
- 321 Coplin Arth 949-1901
- 323 Kallet Harry 949-7021
- 401\*Planer D 949-3453
- 402 Carbotti Joseph 940-3313
- 403 Zeisel N
- 404 Feld D
- 405 Vacant
- 406\*Ivans Sol 940-2880
- 407 Trager S 945-6391
- 408 Berman Harry 944-6982
- 409\*Greenblatt M L
- 410 Kostow Harry 940-3405
- 411\*Meckler Robt M 949-8873
- 412 Hoffman Barnet 949-8890
- 414 Agvad M 944-0643
- 415 Silverstein Irving 947-6819
- 416\*Sloan D
- 418\*Sonn Faye 945-0015

- 419\*Gelb Gerald W 947-7333
- 420 Strom Max 944-1709
- 421 Mittelman Nathan 944-6437
- 422 Vacant
- 423 Rosenberg F M 944-6317
- 423 Chalfen Leo 944-5661
- 501 Bach Wm 944-5567
- 502 Bach Wm 944-5567
- 503 Bright Joseph 944-0621
- 504 Schwartz Harry 940-1074
- 505 Kaplan John J 949-9286
- 506 Aimbinder Ruth 944-4045
- 507 Rosenthal T
- 508\*Meysers Minna
- 509 Vacant
- 510\*Portman Milton R 944-6447
- 511 Fine Charles 949-7942
- 512 Seidman Julius J 944-6513
- 514 Sokol Aron A 944-6514
- 515 Fleischer H 945-3957
- 515 Goler Saml 944-7083
- 516 Berman Abe 949-4030
- 517 Berman Abe 949-4030
- 518 Weinberg Rhoda 944-6537
- 519\*Blum F
- 520 Fishel Albert 947-1608
- 521 Croner Jack 944-7410
- 522 Vacant
- 523 Seldin Irving 940-2776
- 601 Ark Herman 947-2029
- 602\*Resnick A J
- 603\*Ring Max P 947-8940
- 604 No Return
- 605 Vacant
- 606\*Golnick D
- 607 Salkowitz David 949-9845
- 608 Dickstein G 947-1768
- 609\*Schutzer H E
- 610 Malmon David 947-5466
- 611 Sonnershein B 744-5656
- 612 Kreitman Charles 944-7281
- 614 Penn Arth 947-5188
- 615 Oslan Leo 949-9105
- 616\*Rosenberg Anna
- 617 Schneider Harry 944-1084
- 617 Idell Joseph J 940-1698
- 618 Ross Joseph 945-2134
- 619 Simon Sidney J 949-5165
- 620 Milchman Albert 944-6264
- 621 Vacant
- 623 Fine Harry 945-2053
- 701 Jackoway Max B 949-8075
- 702\*Greenblatt S
- 703 Leopold Harold 945-0772
- 704 Fialkoff Albert 947-4506
- 705 Vacant
- 706 Margolis Irving 949-4859
- 707\*Goettelmann A
- 708\*Rose B 949-1759
- 709 Lazar Joseph 947-6261
- 710\*Sachs Benj J 945-8440
- 711 Anderman Max 945-5377
- 712 Steinberg B W 949-9698
- 714 Ostroff Max
- 715 Zimring Ben 944-6955
- 716 Rubin Matt A 949-9812
- 717 Wind Fred 944-6088
- 718 Isen Ben H 947-7412
- 719 Vacant
- 720 Alexander Freda L 945-2302
- 721 Gershow Minnie Mrs 949-2265
- 723 Cohen Saml 949-9851
- 801 Hyman Murray 944-7792
- 802 Reinisch Juda 940-1102
- 803 Patiteaux Harlan E 949-5115
- 804 Buckman Claire 947-1238
- 805 Kisluk Al 947-2875
- 806\*Cohn Betty J
- 807\*Grossman Sidney S 949-2268
- 808 Littman E 945-0501
- 809 Merrill B
- 810\*Hock J
- 811 Ropers V E 944-5651
- 812 Goldsmith Howard M 949-2944
- 814 Young Henry 944-0560
- 815 Strachman Louis 940-2212
- 816\*Rogoff L S
- 817 Secondi Peter 944-4798
- 818\*Curie Wm 940-1561
- 819\*Bateman Albert 949-5092
- 820 Benedek V 947-6688
- 821 Waldman Edw 944-3857
- 823 Vacant
- 901 Abrams Gene W 949-3143
- 902 Magnet I 940-1169
- 903 Spear Morris 945-2484
- 904\*Walkley C
- 905 Rosenberg Morris 945-2539
- 906 Weisberg Irene 947-5601
- 907 Miller Benj 944-3950
- 908 Simon Bessie E Mrs 944-2279
- 909 Eaton Joseph P 944-4877
- 910\*Goldman H L 947-2023
- 911 Okun Stella 945-7916
- 912 Jeshiva Joseph 940-2349
- 914 Appel Jack 940-3108
- 915 Auerbach Harry 944-7029
- 916\*Price A
- 917\*Levy Sonia 944-0760
- 918 Silverman Rae 944-5538
- 919 Weissman Mollye 947-2335
- 920 Babat Joseph 944-7619
- 921 Aaron Milton 947-9010
- 923 Simon Albert 945-3578
- 1001 Eshay Jack 940-3366
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- 1003 Zabarsky Harry 944-4868
- 1004 Krantz Morris 944-3171
- 1005 Steinfeld Charles 945-5597
- 1006 Barg Meyer 944-0848
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- 1012 Siebner Albert 940-1123
- 1014 Harvey Louis 944-4028
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- 1016 Schafer Rose 940-2167
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- 1021 Baum Rose K 945-2327
- 1023 Kronemer M H 940-1150
- 1101 Mann Charles 945-7358
- 1102 Penn R A 947-5188
- 1103 Vacant
- 1104 Kindler Saml 944-7401
- 1105 Franklin Raymond B 945-3844
- 1106 Watson Virginia 949-0691
- 1107 Reinlieb Abe 945-4488
- 1108\*Dunn R
- 1109 Rosenthal Herman 949-3240
- 1110 Roberts Allen 945-5705
- 1111 Kabakow David 945-6135
- 1112 Rubin Jack 949-5556
- 1114\*Halpern E
- 1115\*Poris E
- 1116 Saxon Michl 947-1717
- 1117 Wesler Leonard S 944-5220
- 1118 Cohen Phillip 945-3128
- 1119\*Sirois Gean 945-7342
- 1120 Greenberg I 940-1675
- 1121 Nissenbaum L 949-6447
- 1122 Vacant
- 1123 Schapiro M
- 1201 Minden Norman 940-1380
- 1202 Schulman David 947-2568
- 1203\*Bundock Marcel J 944-4216
- 1204\*Gagnon J Edgar 945-0352
- 1205\*Cloutier G
- 1207 Gordon Fanny 947-7030
- 1208\*Jacobs R
- 1209\*Platt L R 945-5004
- 1210 Vacant
- 1211 Lippman Frieda 940-2077
- 1212 Sheridan A
- 1214 Greene Herman S 947-3698
- 1215 Stern Robt 945-4914
- 1216 Meyers Max 949-1236
- 1217 Dettelbach G
- 1218 Schwartz Maurice 949-3964
- 1219 Vacant
- 1220 Cohen Lillian F Mrs 940-3035
- 1221 Lubin Albee 944-6894
- 1223\*Plourde J R 945-5130
- 1401\*Hirsh M
- 1402 Grossman Charles B 947-3970
- 1403 Lasky Louis
- 1404 Perlstien Wm L 944-4667
- 1405 Lieberman Alf 944-6438
- 1406 Vacant
- 1407\*Mendell A
- 1408 Goldsmith Anna 944-5591
- 1409 Katz Ben 945-5391
- 1410\*Napoli Anthony 949-1270
- 1411 Brenner Joseph 940-3065

KINGS POINT  
1412 Rose  
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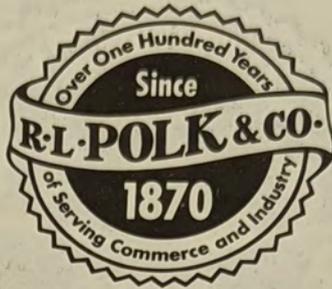


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151

JEFFERSON AV.—Contd  
 4385 Galloway Rose S Mrs @ 532-2953  
 4386 Pappalardo Ray Mrs @ 538-0994

4387 INTERSECTS  
 4388 Evelyn P Mrs @ 538-7039

4389 INTERSECTS  
 4390 Zoya F Mrs @ 531-3929

4391 Return  
 4392 Hovav Harry @ 532-6766

4393 Macello @ 531-3239  
 4394 Keroses Louis @ 532-2298  
 4395 Lester @ 532-1232  
 4396 Stinson Louis @ 532-1232

4397 Solomons Charles  
 4398 Margulies Fannie L Mrs @ 538-4370  
 4399 Phillips Jacob 538-7159  
 4400 Joseph @ 534-2444

4401 Beckler Philip @ 532-7546  
 4402 Schwan Philip L Mrs @ 531-7239  
 4403 Schulwitz Nettie L Mrs @ 538-3773  
 4404 Goodman Al 532-3223

4405 Goodway Ernest 538-7562  
 4406 Leow Margt Mrs @ 538-3773  
 4407 Hilder Harry @ 538-7318  
 4408 Roberts Wm M @ 534-8022  
 4409 Baum Lena 534-8022

4410 INTERSECTS  
 4411 Gutierrez Jose @ 532-1480  
 4412 Yacino Jose O @ 531-5856  
 4413 Kohn Stewart L @ 538-6960

4414 Vacant  
 4415 Lehman Wake @ 538-5005  
 4416 Schaffer David @ 531-5834  
 4417 Janshaw Isidor @ 531-7888  
 4418 Roberts Wm M @ 531-7888  
 4419 Curto Gerlander Mrs 532-3367  
 4420 Transient

4421 Rockway Robt @ 538-1536

21  
 4422 JEFFERSON AV N—FROM 901 W 41ST  
 ST NORTH TO W 46TH ST 1 WEST OF  
 N MERIDIAN AV

ZIP CODE 33140  
 NOT OPEN  
 4423 INTERSECTS  
 4424 INTERSECTS  
 4425 INTERSECTS

4426 Zuckler Nathan @  
 4427 Levine Sanford @ 538-3412  
 4428 Leigumund Ben @ 538-1588  
 4429 Beer Bernhard B @  
 4430 Abrams H J @ 538-5296  
 4431 Grossberg David @ 538-7194  
 4432 White Kathleen Mrs @ 538-5096

4433 CT INTERSECTS  
 4434 Nathan David A @  
 4435 Kaskel David @ 532-4237  
 4436 Katz Louis @ 532-1656  
 4437 Swanick Eileen Mrs 532-5280  
 4438 Kaufman Howard @ 532-9462  
 4439 Suckner Marvin A @ 538-1756  
 4440 Feuer Oscar O @  
 4441 Bervnick Sam

4442 Ganz Joseph H @ 534-0904  
 4443 Bunim Louis A @ 531-9075  
 4444 Knauer Gerald M @ 534-2747  
 4445 Shalom Sol @ 534-5955  
 4446 Granoff Harold R @ 532-4492  
 4447 Spector Bernard

4448 Mann Henry @ 531-2096  
 4449 Saferstein Geo @ 532-6715  
 4450 Fisher Melvin @ 531-0659  
 4451 Holland W Phillip @  
 4452 Rath Kenneth @

4453 Smith Martin A @ 532-2708  
 4454 Meisel Harold @ 538-1355  
 4455 Mufson Saml R @ 538-6338  
 4456 Egan John L @  
 4457 Cohn Edw @ 534-0908  
 4458 Kandel Ephraim @ 538-2863  
 4459 Burns Robt H @ 532-7782  
 4460 Singer Arth @ 538-1228  
 4461 Rubin Arnold @ 538-7180  
 4462 Beldner Leonard K @ 538-6000  
 4463 Cohn Harold B @ 531-9002  
 4464 Rose Leo Jr @ 538-2857  
 4465 Segal Wm W @ 534-2341  
 4466 Stearns James @ 538-5278

4467 INTERSECTS

26  
 4468 JEWEL AV (NORTH BAY VILLAGE)  
 FROM 1800 S TREASURE DR NORTH

ZIP CODE 33141  
 7004 Applebaum Lee @ 864-2894  
 7006 Hainreich Arth @ 865-3089  
 7012 Fischler Henry @ 865-3659

7516 London Abr @ 864-6635  
 GALLEON INTERSECTS

JOHN F KENNEDY BLVD —CHANGED  
 TO 71ST ST 24

JOHN F KENNEDY BLVD N (ISLE OF  
 NORMANDY)—CHANGED TO  
 NORMANDY DR 25

JOHNS ISLAND —IN BISCAYNE BAY  
 WEST OF 4300 ALTON RD 21

ZIP CODE 33140  
 Mount Sinai Hosp nurses res

JONES ST (ISLE OF NORMANDY)  
 FROM NORMANDY WATERWAY  
 NORTH 3 WEST OF BAY DR 125

ZIP CODE 33141

KANE CONCOURSE (BAY HARBOUR  
 ISLAND, ALSO KNOWN AS 96TH ST)  
 FROM INDIAN CREEK RIVER WEST 31

ZIP CODE 33154

1000 Nolan-Brown Motors 864-2271  
 1001 Bay Harbor Drugs 865-3746  
 1005 Bay Harbor Office Building  
 Rooms

201 Schwarz Charles A phys 865-3237  
 203 Codd Hughes & Co acts 866-0510  
 206 Jana Joseph T Jr phys 864-1726  
 207 Goldsmith Stanley G real est 865-5289  
 208 Humphrey Wm L real est 866-3638  
 209 Klotz Melvin M dentist 866-2260  
 210 State Amusement Corp ofc  
 211 Vacant  
 212 Armeatco Importers 861-4431

1007 Bay Harbor Galleries 864-5865  
 1009 Inside Restaurant 864-2049  
 1011 V I P Barber Shop  
 1013 Bay Harbor Hair Stylists 864-1936  
 1015 Bal Bay Gifts Inc cards 865-8842  
 1017 Laverne Beatrice Dance Studio 866-5675  
 1019 Lustig Florence clo 866-0543  
 1024 Shell's City Inc 865-7427  
 1025 Rooms

201 Kamen Arnold D dentist 865-4391  
 202 Rauch Jon L dentist 866-8542  
 204 Vacant  
 205 Town & Country real est 864-3474  
 206 Chicago Sun Times-Daily News adv  
 dept 864-2877  
 American Society of Composers Authors  
 & Publishers ofc 866-2757

209 Vacant  
 210 Vacant  
 211 Vacant  
 212 Bay Harbor Jewelry Service repr  
 864-7009  
 214 Vacant (Rms 214-15)  
 216 Packar Joseph real est 864-0565  
 217 Vacant  
 218 Herscher Bernard K real est 855-7472

1027 Trifles & Treasures antique 865-2044  
 1029 Freddie's Beauty Salon 865-7434  
 1031 Mildred's Of Bay Harbor Islands 864-6115  
 1033 Lee Minna Importers clo 866-2419  
 1035 Lisa Mona Wigs 865-3504  
 1037 Sanchez Rene clo 865-2538  
 1039 Vacant

1045 Ten Forty Five Kane Concourse Building  
 Rooms  
 201 Vacant  
 202 Vacant  
 203 Putter Pierre J phys 865-0431  
 204 Vacant  
 205 General Development Corp sls sch  
 865-2386  
 206 General Development Corp div ofc  
 865-2386

209 Genl Development (Overflow)  
 210 Vacant  
 211 Rice Danl F stock broker  
 214 Block Jerome G phys 866-4666  
 215 General Development (Overflow)  
 216 Star Apartments (Ofc)  
 217 Hallmark Properties Inc real est  
 866-1155

217 Weithorn Bernard real est 866-1156  
 1047 Channing Co Inc financial planning  
 866-8563

1048 Winston-Sanson Building  
 Global Industries importers 866-9688  
 1048a Hoover America Latina Sa exec ofcs  
 865-8676

1048b Northview Associates apt rental ofc  
 865-2328

1050 Berk's Tom Wigwam wigs 864-2215  
 1052 Norton Mary clo 864-5355  
 1054 Lemon Drop The 865-3531  
 1055 Regal Deborah Mrs clo 866-3324

1060 Brewster Frances Inc clo 866-1039  
 1069 Mister Guy clo 865-7055  
 1070 Under Constn

1075 Mister Bernard Inc beauty shop 865-9901  
 1075 Stella's Originals clo 864-3611  
 1079 Stoner's Art Centre Inc 865-5150  
 1085 Harris Upham & Co stock brokers  
 865-0511

BAY HARBOR TER INTERSECTS  
 1100 Purcell Graham & Co stock brokers  
 865-4161

1124 Scheinman Hockhstin & Trotta Inc stock  
 broker 865-9941

1126 Hill Lucy Cooper Needlepoint 866-8322  
 1128 Berenson Gallery art 864-9617  
 1130 Only Black & White clo 866-1855  
 1132 Jackson China Building  
 Jackson Vitrifed China Co whol 865-0377

1135 Century Building  
 1stfl Galerie 99 art 865-5823  
 2dfl Genola Inc Of Florida genl contrs  
 865-1426

3dfl Loew Theatres ofc  
 4thfl Zenith Mortgage Company 865-4926  
 4thfl Cohen Stephan L lwyr 865-6944  
 5thfl Nelson & Feldman lwys 865-5716  
 6thfl Bokum Corp minerals 865-6222

1141 Justice Jack Realtor 866-6211  
 Justice-Carr Insurance Agcy 866-6211  
 Printup Hale & Assocs adv 866-0624  
 Harbor Investment Corp 866-0194

1143 Clements C L Insurance Agency Inc  
 865-0548

1145 Reed Francis A phys 864-1373  
 1147 Play Girl Beauty Salon 865-5534  
 1160 Bay Harbor Medical Center  
 Medical Center Pharmacy 865-0504  
 Rooms

101 Traitz James J phys 866-0333  
 201 Sparer Wm phys 865-1358  
 202 Mc Cready James W phys 866-6811  
 203 Poveromo Mel D dentist 865-6534  
 204 Jacobson Gilbert dentist 865-0328  
 205 Vacant  
 206 Bay Harbor Medical Laboratory  
 866-3213

301 Korman Norman R phys 865-2398  
 302 Singer David J phys 864-3343  
 303 Tanous John H phys 866-5415  
 303 Torrado Rene A phys 866-5415  
 304 Dunn Allan R phys 865-6534  
 305 Ribner Business Forms Inc 865-0663  
 400 Vacant  
 401 Struble Roy L lwyr 865-2364  
 402 Blum Norman J phys 864-2269  
 402 Bradley Matthew H phys 864-0494  
 402 Scheib Ronald J phys 864-2369  
 403 Schwartz Sol M dentist 865-0588

1170 Bay Harbor Theatre 866-2441  
 1177 Storer Broadcasting Co 866-0211

BAY HARBOR DR INTERSECTS  
 BAY HARBOR WATERWAY CROSSES  
 E BROADVIEW DR INTERSECTS

1210 Moseson Sidney @ 866-1113  
 1230 Goodman Jack 866-8487  
 1250 No Return  
 1260 Fitelson Walter @ 865-2378  
 1270 Lazarus Morris @ 866-8289

BROADVIEW TER INTERSECTS

33  
 KINGS POINT DR —FROM 15920  
 COLLINS AV WEST

ZIP CODE 33160  
 220 Kings Point Imperial Apartments 945-9786

101 Birnbaum Harold 949-9651  
 102 Zweiger Geo 947-1335  
 103 Greene Abe 947-1615  
 104 Zackowitz Barney 945-0012  
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 106 Greenwood Sylvia J 947-4101  
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1843 RICH VANESSA MRS 538-1378  
BEAR FUNDORA THOS 538-1378  
1853 ROCKWAY ROBT • 538-1536

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ST NORTH TO W 46TH ST, 1 WEST  
OF N MERIDIA AV

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---41ST INTERSECTS  
412 TROPIC ELECTRONIC CO SOUND  
SYS 538-2624

425 APARTMENTS  
2 JACOBSON MILTON 534-2670  
3 ZANDEKMAN VICTOR 532-1397

---420 INTERSECTS  
---430 ST INTERSECTS  
4305 ZUCKER NATHAN • 538-3412  
4315 LEVINE SANFORD • 538-1588  
4320 ZIEGMUND BENJ • 538-1588  
4330 BAER BERNHARD E  
4333 PLOTNICK BEN • 538-7194  
4345 GROSSBERG DAVID • 538-5096  
4350 STERN GIZELLA MRS • 538-5096

---44TH CT INTERSECTS  
4440 NATHAN DAVID A • 538-5395  
4445 INSLER CHARLES H • 538-5395  
4450 PASTMAN HYMAN • 538-0175  
4455 TRANSIENT  
4460 FEUER LILLIAN MRS • 538-0175

4465 ASH JOSEPH • 534-4996  
4470 WEINER CHESTER • 534-0904  
4475 GANZ JOSEPH H • 531-9075  
4480 BUNIM LOUIS A • 534-2747  
4485 KNAUER GERALD M • 534-2747  
4490 HELFMAN BERTHA E MRS • 534-4180

4495 GRANOFF HAROLD R • 538-6394  
4500 SPECTOR BERNARD 538-2419  
4501 LEFKOWITZ PHILIP B • JE4-4870

4510 FORREST HY P • 538-3662  
4515 FISHER MELVIN • 531-0659  
4520 HOLLAND W PHILLIP • 538-2500  
4525 TURK JACK • 538-6472  
4530 SMITH MARTIN A • 532-2708  
4535 SEEDER ARNOLD • 538-5169  
4544 MUFSCN SAML R • 538-5259  
4545 FIELD JOSEPH • 538-5259  
4550 NICHOLS CHAS M • 531-7975

4555 KANDEL ELFRED • 538-2863  
4557 COHEN SOL • 538-9750  
4560 SINGER ARTH 538-1228  
4567 RUBIN ARNOLD • 538-7180  
4570 BELDNER LEONARD K • 538-6000  
4580 COHN HAROLD E • 531-9002  
4581 ROSE LEC JR • 538-2857  
4590 SEGAL WM W • 534-2341  
4595 STEARNS JAMES I • 538-5278

---46TH INTERSECTS

JEWEL AV (NORTH BAY VILLAGE)—FROM 26  
1800 S TREASURE DR NORTH TO  
DEAD END

---ZIP CODE 33144  
7504 APPLEBAUM ADRIAN • 864-2894  
7508 HOINREICH ARTH • 865-3089  
7512 FISCHLER HENRY • 865-3659  
7516 WEISBARD RALPH • 865-3709  
---GALLEON INTERSECT

JOHNS ISLAND —IN BISCAYNE BAY 21  
WEST OF 4300 ALTON RD

---ZIP CODE 33139  
MOUNT SINAI HOSP NURSES RES

JONES ST (ISLE OF NORMANDY)—NORTH 25  
FROM NORMANDY WATERWAY TO MIAMI  
BEACH GOLF COURSE, 3 WEST OF  
BAY DR

---ZIP CODE 33141

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ST) —FROM INDIAN CREEK RIVER  
WEST

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1000 NOLAN—BROWN MOTORS INC  
864-2271

1001 BAY HARBOR DRUGS 965-3746

1005 BAY HARBOR OFFICE BUILDING  
ROOMS

201 SCHWARZ CHARLES A PHYS  
865-3237

203 HUMPHREY WM L REAL EST  
866-3638

204 EXLEY DAVID W PHYS  
206 JANA JOSEPH T JR PHYS  
864-1726

207 CDD HUGHES & CO ACCTS  
866-0510

209 KLOTZ MELVIN W DENTIST  
866-2260

210 STATE AMUSEMENT CORP UFC  
864-2733

1007 GENERAL DEVELOPMENT CORP  
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1009 INSIDE RESTAURANT 864-2049  
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- 1015 KANDEE KANE FAVOR FAIR CARDS  
865-8842
- 1017 LAVERNE BEATRICE DANCE  
STUDIO 866-5675
- 1019 LUSTIG FLORENCE CLD 866-0543
- 1024 SHELL CITY LIQUORS 865-7428
- 1025 ROOMS
- 201 KUHN CHARLES P PHYS  
864-2357
- 202 KEARN JOSEPH D PHYS  
866-9753
- 204 POVEROMG MELVIN D DENTIST  
866-7127
- 206 CHICAGO SUN TIMES-DAILY  
NEWS ADV DEPT 864-2877
- AMERICAN SOCIETY OF  
COMPOSERS AUTHORS &  
PUBLISHERS OFC 866-2757
- 1 VACANT 1
- 212 PACKAR JOSEPH REAL EST  
864-0565
- 214 VACANT
- 215 BRADLEY MATTHEW H PHYS  
864-2249
- 216 VACANT
- 218 TANGUS JOHN H PHYS  
866-7271
- 1027 TRIFLES & TREASURES ANTIQUE  
865-2044
- 1029 EMILE'S BEAUTY SALGN  
865-7434
- 1031 HERSCHER REALTY 865-7472
- 1033 LEE MINNA IMPORTERS CLC  
866-2419
- 1035 LESSER EVELYN WHCL SWEATERS  
864-4424
- FURS BY VINCENT 864-4424
- 1037 SANCHEZ RENE CLD 865-2538
- 1039 LAMPHIER TIMOTHY A PHYS  
865-7177
- 1045 TEN FORTY FIVE KANE  
CONCOURSE BUILDING  
ROOMS
- 201 RAMOS PAUL & ASSOCIATES  
MFRS AGT 865-7905
- 8 VACANT 8
- 209 ANDEL CO COSMETICS  
866-6298
- 211 HAYDEN-STONE & CO INC  
STOCK BROKER
- 214 BLOCK JERGME G PHYS  
866-4666
- 215 MC INTYRE RICHD  
CONSULTANT 865-9969
- 215 FLETCHER SAML LWYR  
865-9969
- 216 VACANT
- 217 HALLMARK PROPERTIES INC  
REAL EST 866-1155
- 1047 TRAITZ JAMES J PHYS UN6-6333
- 1048 WINSTON-SANSON BUILDING  
BENNE INC REDUCING SALON  
865-2386
- 1050 FASHION TRESS WIG SALON  
824-2215
- 1050A HOOVER AMERICA LATINA S A  
VACUUM CLS 865-8676
- HOOVER CO EXEC OFC 865-8070

- 1052 NORTON MARY CLD 866-1247
  - 1054 GALLERY 99 ART GALLERY  
864-2355
  - 1055 REGAL DEBORAH CLC 866-3324
  - 1050 BREWSTER FRANCES INC CLC  
866-1039
  - 1057 VACANT
  - 1069 MISTER GUY CLD 865-7055
  - 1071 MISTER BERNARD INC BEAUTY  
SHOP 865-9901
  - 1075 STELLA'S ORIGINALS CLC  
864-3611
  - 1079 VACANT
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  - JUSTICE-CARR INSURANCE  
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  - 1145 REED FRANCIS A PHYS 864-1373
  - 1147 PLAY GIRL HAIR STYLES  
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  - 1170 BAY HARBOR THEATRE 866-2441
  - 1177 STORER BROADCASTING CO  
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  - BAY HARBOR WATERWAY CROSSES
  - E BROADVIEW DR INTERSECTS
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  - 1230 GOODMAN JACK 866-8487
  - 1260 TRANSIENT
  - 1270 LEVY TOBIAS E • 865-3771
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- 220 KINGS POINT IMPERIAL  
APARTMENTS • 945-9786
  - 101 BERMAN HARRY 945-7795
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  - 103 GREENE ABE
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  - 105 POSTER MORRIS 947-6433
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945-9303
  - 107 GREENE MORRIS
  - 108 KINGS POINT IMPERIAL APTS  
OFC
  - 111 STAFFORD EDW
  - 112 VACANT
  - 114 DENNIS LOUIS
  - 115 TRANSIENTS
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- 312 LUNDY M
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- 403 DRACHE  
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- 601 MI
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- 604 SM
- 605 VA
- 606 SH
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errez Jose ΔJE2-3831  
inez Hilda ΔJE2-3778  
Stewart I. ΔJE8-6960  
rd Eleanor Mrs Δ  
er David ΔJE8-5005  
aw Isidor ΔJE8-1200  
Jack M ΔJE2-3579  
s Wm M ΔJE1-7888  
anessa Mrs ΔJE8-5928  
atrice ΔJE8-5928  
y Robt ΔJE8-1536  
ts

B-21  
AV N—From 901 W 41st  
46th, 1 west of N Meridian  
n between 42d and 43d)  
Electronic Co ΔJE8-2629  
partments ΔJE1-0558  
alter ΔJE1-0558  
ilton ΔJE4-2670  
Florence J Mrs  
922  
ymond ΔJE1-6275

ts  
an ΔJE1-1998  
rd ΔJE8-3412  
enj ΔJE8-1588  
M ΔJE8-4145  
ΔJE1-6137  
vid ΔJE8-7194  
ΔJE8-5096  
A ΔJE8-5360  
ΔJE8-5121  
n ΔJE8-0175  
Mrs ΔJE2-2194  
Mrs ΔJE1-0603  
est ΔJE8-4845  
JE1-9810  
Mrs ΔJE2-1103  
ΔJE8-1639  
ΔJE1-9075  
ΔJE4-2747  
E ΔJE4-4180  
ΔJE8-6394  
d ΔJE8-2419  
B ΔJE4-4870  
JE8-3662  
ΔJE1-0659  
ΔJE8-2500  
est ΔJE8-6472  
ΔJE2-2708  
JE8-5169  
8-6338  
8-5259  
ΔJE1-7975  
750  
-1228  
3-7180  
ΔJE8-6000  
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2341  
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B-26  
JEWEL AV—From 1771 S Treasure dr  
north to dead end  
7504 Goldberg Donald ΔUN5-5907  
7508 Hornreich Arth ΔUN5-3089  
7512 Fischler Henry ΔUN5-3659  
7516 Weisbard Ralph M ΔUN5-3709

B-21  
JOHNS ISLAND—In Biscayne Bay west  
of 4300 Alton rd  
Recreation Center (dormitories  
for employees of Mt Sinai Hosp)

B-25  
JONES ST (Isle of Normandy)—North  
from Normandy waterway to Miami  
Beach Golf Course, 3 west of Bay dr

B-31  
KANE CONCOURSE (Also known as 96th  
st; Bay Harbor Island)—From Indian  
Creek River west

1000 Nolan-Brown Mtrs Inc (br)  
ΔUN6-7611  
E Bay Harbor dr intersects  
1001 Bay Harbor Drugs ΔUN5-3746  
1003 Bay Harbor Hair Stylists  
ΔUN4-1936  
1005 Bay Harbor Office Building  
ΔUN5-7661

Rooms:  
1-2 Schwarz Chas A phys  
ΔUN5-3237  
3 Bay Harbor Ofc Bldg (ofc)  
ΔUN5-7661  
Humphrey Wm L real est  
ΔUN6-3638  
4 Exley David W phys ΔUN6-6121  
5-6 Jana Joseph T jr phys  
ΔUN4-1726  
Simmons Raymond J phys  
ΔUN4-1726  
7-8 Codd Hughes & Co acct  
ΔUN6-0510  
9 Klotz Melvin M dentist  
ΔUN6-2260  
10 Vacant  
211 Tolton Harry & Son Inc  
ΔUN5-2901  
12 Sylvan M M psychiatrist  
ΔUN5-2877  
1007 Foresight Corp real est  
ΔUN6-9777  
1009-11 Harbor Restr Inc ΔUN6-9237  
1013 Show Case of Hooper House furn  
ΔUN6-1524  
1015 Harlequin Shops leather gds  
ΔUN6-2605  
Partners Inc clo ΔUN6-2605  
1017 Laverne Beatrice Dance Studio  
ΔUN6-5675  
1019 Lustig Florence women's clo  
ΔUN6-0543  
1025 Office Building  
201 Kuhn Chas P ΔUN4-2357  
202 Kearn Jos D phys ΔUN6-9753  
204 Provermo Melvin D dentist  
ΔUN6-7127  
206 HG E Corp inv ΔUN5-7472  
Herscher & Engelberg real est  
ΔUN5-7472  
207-09 Vacant  
210-14 Vacant  
215 Bradley Matthew II phys  
ΔUN5-8164  
216-17 Vacant

218 Tanous John II phys ΔUN6-7271  
Street continued  
1027 Contempora gifts ΔUN5-7949  
1029 Emile's Beauty Salon ΔUN5-7434  
1031 Accents Unlimited Inc int dec  
ΔUN5-8050  
1033 Lee Minna Importers women's  
clo ΔUN6-2419  
1035 Hawaiian Sport Shop clo  
ΔUN6-8379  
1037 Patti's Kiddie Shop clo ΔUN5-7915  
1045 Ten Forty Five Kane Concourse  
Building

Rooms:  
202 Gershun Merton L designer  
ΔUN5-8074  
203 Larimer John M phys ΔUN6-4578  
205 Vacant  
206 Millman Constn Co ΔUN5-0527  
207-08 Am Society of Composers  
Authors & Publishers  
ΔUN5-0901  
209 Pilgrim Corp real est ΔUN5-7151  
Magic Eye of Fla Inc ΔUN5-7151  
Fritch Milton M business con-  
sultant ΔUN5-7151  
214 Block Jerome G phys ΔUN6-4666  
215 Allan Co The stock brokers  
ΔUN5-3759  
216 Charmette Academy of Modeling  
& Agcy Inc ΔUN4-1736  
217 Vacant

1047 Buck Richd J & Co stocks & bonds  
ΔUN6-0561  
1048 Reibel Shanbrun Building  
Sutro Bros & Co brokers  
ΔUN5-5774  
Rosita Inc clo ΔUN6-1101  
Weiss Jack J real est ΔUN5-2626  
2d fl Heritage Industries Inc bldg contr  
ΔUN5-0111  
Reibel Shanbrun Corp ΔUN5-0411  
Natl Franchise Development Co  
ΔUN5-0411  
Fein Gilbert M archt ΔUN5-2625

1055 Regal Deborah Mrs women's  
clo ΔUN6-3324  
1060 Brewster Frances Inc clo  
ΔUN6-1039  
1069 Mister Guy men's clo ΔUN5-7055  
1071-73 Babs Inc women's clo  
ΔUN5-7611  
1075 Harbor Hse rental ofc ΔUN6-0567  
1077 Am Bonded Mtge Inc ΔUN5-8638  
1079 Natl Air Lines ΔNE3-3311  
1085 Harris Upham & Co stock exch  
ΔUN5-0511

Bay Harbor ter intersects  
1100 Walston & Co Inc (br) stock exch  
ΔUN5-0311  
1141 Braunstein Lipman Interprises Inc  
ΔUN6-9639  
1143 Justice Jack Realtor ΔUN6-6211  
Justice-Crown Ins Agcy  
ΔUN6-6211  
1147 Pregonalla Hair Styles ΔUN5-2238  
1177 Storer Broadcasting Co  
ΔUN6-0211

Bay Harbor dr intersects  
Bay Harbour Waterway crosses  
1230 Fendrick Milton ΔUN6-0349  
1260 Sells Raymond ΔUN5-2306

B-23  
LA GORCE CIRCLE (LaGorce Island)—  
From 6500 Pine Tree la west in a  
circle to Pine Tree la

14 S.E. FIRST ST.  
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Containing an Alphabetical Directory of Business Concerns and Private Citizens, a Directory of Householders, Occupants of Office Buildings and Other Business Places, Including a Complete Street and Avenue Guide, a Numerical Telephone Directory, and Much Information of a Miscellaneous Character; also the

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North Miami Beach  
Tel. Wilson 7-1471

Coral Gables  
129 Almeria Av.  
Coral Gables  
Highland 3-2536

North East  
9727 N.E. 2d Ave.  
Miami Shores  
Phone Plaza 8-2519

Downtown Miami Office  
150 S.E. 2nd St.  
Miami Fla.  
Phone Franklin 9-5616

- JEFFERSON AV -Contd**
- 1700 1/2 Aharonian Violet ΔJE8-4441
  - 1701 Hoffman Wm ΔJE1-6265
  - 1709 Mironoff Zoya E Mrs ΔJE1-3929
- rear Jacoby Sigrid ΔJE8-5684
- 1710 Krom Meyer Δ
  - 1719 Thal Edw ΔJE8-4474
  - 1722 Wilson Clara K Mrs ΔJE4-2371
- rear Vercellino Emilio
- 1729 Eckert Walter S ΔJE8-1006
  - 1730 Lakein Isador ΔJE8-4672
  - 1735 Phillips Benj ΔJE8-4370
  - 1736 Shapiro Estelle Mrs ΔJE1-3078
- 1744 Cohn Al
  - 1745 Becker Jos ΔJE4-2444
  - 1750 Resnikoff Isidor ΔJE8-6309
  - 1760 Billowitz Nettie L Mrs ΔJE1-7239

- rear Vacant
- 1764 Vacant
  - 1775 Deutsch Hugo H ΔJE8-3295
  - 1776 Mauthner Julius ΔJE2-3003
- 18th intersects**
- 1800 Gutierrez Jose ΔJE4-4529
  - 1810 Cook Emily L Mrs ΔJE4-2707
  - 1820 Kohn Stewart L ΔJE8-6960
  - 1821 Shepard Eleanor Mrs ΔJE8-5005
  - 1829 Schaffer David ΔJE8-1200
  - 1830 Janshaw Isidor ΔJE8-4789
  - 1835 Heath Jack M ΔJE1-7886
  - 1836 Roberts Wm M ΔJE1-7886
  - 1843 Rich Vanessa ΔJE8-5928
  - Rich Beatrice ΔJE8-5929
  - 1853 Rockway Robt ΔJE8-1536
- 19th intersects**

- JEFFERSON AV N -From 901 W 41st north to W 46th 1 west of N Mendian av (not open between 42d & 43d)**
- 41st intersects**
- 4110 Vacant
  - 4112 Tropic Electronic Co ΔJE8-2629
  - 4125 Jacobs Apartments ΔJE1-0558
- 1 Jacobs Walter ΔJE1-0558
  - 2 Jacobs Milton ΔJE4-2670
  - 3 Berkowitz Florence J Mrs ΔJE1-0922
  - 4 Golden Raymond ΔJE1-6275
- 42d intersects**  
**W 43d ct intersects**
- 4305 Zucker Nathan ΔJE1-1998
  - 4315 Levine Sanford ΔJE8-3412
  - 4320 Ziegmund Benj ΔJE8-1588
  - 4330 Baer Bernard Δ
  - 4333 Plotnick Ben ΔJE1-6137
  - 4345 Grossberg David ΔJE8-7194
  - 4350 Jacobs Harry S ΔJE8-8005
- W 44th ct intersects**
- 4440 Nathan David A Δ
  - 4445 Freed Alan ΔJE1-6960
  - 4450 Pastman Hyman ΔJE8-0175
  - 4455 Bauman Maria L Mrs ΔJE8-5373
  - 4460 Feuer Lillian ΔJE1-0603
  - 4465 Ash Jos ΔJE8-4845
  - Ash Arlene R ΔJE1-9810
  - 4470 Alpert R Zane ΔJE4-4679
  - 4475 Weindruch Lena B Mrs ΔJE8-6162
  - 4480 Gans Sydney A ΔJE8-1418

- 4485 Knauer Gerald M ΔJE4-2747
  - 4490 Helfman Sam ΔJE4-4180
  - 4495 Granoff Harold R ΔJE8-6394
  - 4500 Stein Anna Mrs ΔJE8-2419
  - 4501 Lefkowitz Philip B ΔJE4-4870
  - 4510 Forrest Hy P ΔJE8-3662
  - 4515 Fisher Melvin ΔJE1-0659
  - 4520 Holland Phillip ΔJE8-2500
  - 4525 Turk Jack ΔJE8-6472
  - 4530 Jaffe Lawson L ΔJE8-2363
  - 4535 Seeder Arnold ΔJE8-5169
  - 4544 Mufson Saml ΔJE8-6338
  - 4545 Fleeman Rose B Mrs ΔJE1-0377
  - 4550 Nichols Chas M ΔJE1-7975
  - 4555 Kandel E Fred Δ
  - 4557 Cohen Sol ΔJE8-9750
  - 4560 Singer Arth ΔJE8-1228
  - 4567 Rubin Arnold ΔJE8-7180
  - 4570 Beldner Leonard K ΔJE8-6000
  - 4580 Cohn Harold B ΔJE1-9002
  - 4581 Berns Hendirk J ΔJE1-3126
  - 4590 Segal Wm W ΔJE4-2341
  - 4595 Stearns Jas I ΔJE8-5278
- 46th intersects**

- JEWEL AV -From 1771 S Treasure dr N to dead end**
- 7504 Goldberg Donald ΔUN5-5907
  - 7508 Hornreich Arth ΔUN5-3089
  - 7512 Fischer Henry ΔUN5-3659
  - 7516 Weisbard Ralph M ΔUN5-3709

- JOHNS ISLAND -In Biscayne Bay west of 4300 Alton rd**
- Recreation Center (dormitories for employees of Mt Sinai Hosp)

- JONES ST (Isle of Normandy) -North from Normandy waterway to Miami Beach Golf Course, 3 west of Bay dr**

- KANE CONCOURSE (Also known as 96th st; Bay Harbor Island) -From Indian Creek River west**
- 1000 Nolan-Brown Mrs Inc ΔUN6-7611
- E Bay Harbor dr intersects**
- 1001 Bay Harbor Drugs ΔUN5-3745
  - 1003 Lawyers Mtge & Title Co ΔUN6-1482
  - Hoey Wm H notary ΔUN6-1482
  - 1005 Bay Harbor Office Building
- Rooms:
- 1-2 Schwarz Chas A phys ΔUN5-3237
  - 3 Bay Harbor Ofc Bldg (ofc) ΔUN6-3138
  - Humphrey Wm L real est
  - 4 Exley David W phys ΔUN6-6121
  - 5-6 Leonard Geo N phys ΔUN6-2250
  - 7 Codd R Trent acct ΔUN6-0510
  - 8 American Bakeries Co ofc ΔUN6-7031
  - 9 Klotz Melvin M dentist ΔUN6-2260
  - 10 Sports Calender Publ Co ΔUN5-8686
  - 11 Stein Jack ofc ΔUN6-0394
  - Stein Printing Co ΔUN6-0394

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Sunshine Fashions MIAMI • MIAMI BEACH • WEST PALM BEACH

- KANE CONCOURSE -Contd**
- Bay Harbor Office Bldg -Contd
- 12 Rowe Business Serv pub sten ΔUN5-8431
  - 1007 Bunnell Geo E Inc ofc ΔUN6-9741
  - 1009 Harbor Restr ΔUN6-9237
  - 1011 Balco Products Co novelties ΔUN6-2942
  - 1013 Boyer Margt Ann Inc int dec ΔUN5-5328
  - 1015 Bay Harbor Club Development Co real est ΔUN5-2383
  - 1017 Laverne Beatrice Dance Studio ΔUN6-5675
  - 1019 Lustig Florence women's clo Under Constn
  - 1021 Reibel Shanbrum Building
  - 1048 Sutro Bros & Co stockbrokers ΔUN5-5774
  - Shore Philip J inv ΔUN5-8091
  - Schoenberg Phil real est ΔUN5-8665
  - Goldsmith Stanley G real est ΔUN5-8665
- 2d fl Reibel Shanbrum Lazarus Corp genl contr ΔUN6-9676
- Fein Gilbert M archt ΔUN5-2625
- Bay Harbor ter intersects**
- Storer Broadcasting Co ΔUN6-0211
- W Bay Harbor dr intersects**  
**Bay Harbor Waterway crosses**
- E Broadview dr intersects**
- 1230 Wain Harry ΔUN6-9096
  - 1260 Vacant
- Broadview ter intersects**  
**W Broadview dr intersects**

- LA GORCE CIRCLE (LaGorce Island) -From 6500 Pine Tree la west in a circle to Pine Tree la**
- 2 Barnes Florence M Mrs ΔUN6-8586
  - 4 No Return
  - 6 Skinner Thos W ΔUN6-0481
  - 8 Lang Jos H ΔUN5-5533
  - Roxbury la begins**
  - 9 Marvin Edgar R Δ
  - 10 Crum Ralph W ΔUN6-0010
  - 11 Reed Earl F ΔUN6-5319
  - 12 Morrison Robt J ΔUN6-3161
  - Windsor la begins**
  - 14 Grant Walter S ΔUN6-1720
  - 15 Staley Robt W Δ
  - 16 Hooper Herman B ΔUN6-4154
  - 18 Christopher Frank E ΔUN6-7468
  - Sheffield la begins**
  - 21 Allen Don ΔUN6-7838
  - 22 Crane Radford R ΔUN6-8008
  - 24 Clark John C
  - Brevity la begins**
  - 30 McKnight Wm L Δ
  - 31 Root Virginia Mrs ΔUN6-2593
  - 34 Beegle Clifford H ΔUN6-1090
  - 36 Mallory Phillip R Δ
  - 39 Transients
  - 40 Galbreath John W ΔUN6-0011
  - 41 Mori Eug Δ
  - 42 Torp Goldie H Mrs ΔUN6-2078
  - 44 Davis Don A ΔUN6-2538
  - Brevity la ends**
  - 54 Jones W Alton ΔUN6-5835
  - 60 Andreas Albert M Δ
  - 61 Oberreutter Paul H ΔUN5-3903
  - 64 Wallace Albert W ΔUN6-2961

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Owner - Manager

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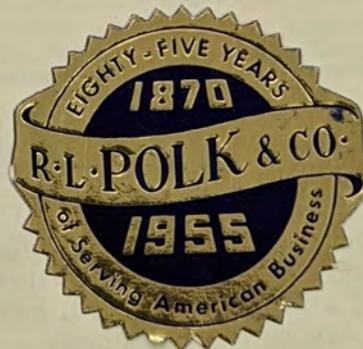
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**Sealtest Southern Dairies, Inc.** Sealtest ICE CREAM  
62 N. E. 27th St., Miami, Fla. Phone 9-6501

**JEFFERSON AV N—From W 41st north to W 42d, 1 west of N Meridian av**  
41st intersects  
4110 Vacant  
4112 Fla Commerce Adv Enterprises Inc ΔJE4-4616  
4125 Jacobs Apartments  
Apartments:  
1 Jacobs Milton ΔJE4-2670  
2 Jacobs Walter @ ΔJE1-0558  
3-4 Vacant  
42d intersects  
E 43d ct intersects  
4305 Zucker Nathan @ ΔJE1-1998  
4315 Levine Sanford @ ΔJE8-3412  
4320 Ziegmund Benj @ ΔJE8-1588  
4330 Baer Bernard @ ΔJE4-4178  
4333 Nussbaum Milton @ ΔJE8-2660  
4345 Grossberg David @ ΔJE8-5706  
4350 Jacobs Harry S @ ΔJE8-8005  
W 44th ct intersects  
4440 Nathan David A @ ΔJE8-0670  
4445 Levine Edna Mrs @ ΔJE8-9775  
4450 Pastman Hy @ ΔJE8-0175  
4455 Bauman Max @ ΔJE8-5373  
4460 Feuer Jack M @ ΔJE1-0603  
4465 Ash Jos @ ΔJE8-4845  
4470 Vacant  
4475 Weindruch Frank @ ΔJE8-6162  
4480 Gans Sydney A @ ΔJE8-1418  
4485 Vacant  
4490 Helfner Sam @ ΔJE4-4180  
4495 Granoff Harold R @ ΔJE8-6394  
4500 Stein Saml @ ΔJE8-2419  
4501 Blumberg Ira @ ΔJE8-6391  
4510 Forrest Harry P @ ΔJE8-3662  
4515 Fisher Melvin @ ΔJE1-0659  
4520 Holland Phillip @ ΔJE8-2500  
4525 Turk Jack @ ΔJE8-6472  
4530 Jaffe Lawson L @ ΔJE8-2363  
4535 Seeder Arnold @ ΔJE8-5169  
4544 Mufson Saml @ ΔJE8-5313  
4545 Fleeman Benj @ ΔJE1-0377  
4550 Nichols Chas M @ ΔJE1-7975  
4555 Kandel E Fred @  
4557 Cohen Sol @ ΔJE8-9750  
4560 Singer Arth @ ΔJE8-1228  
4567 Rubin Arnold @ ΔJE8-7180  
4570 Beldner Leonard K @ ΔJE8-6000  
4580 Cohn Harold B @ ΔJE1-9002  
4581 Goldstein Laura Mrs @ ΔJE1-3126  
4590 Segal Wm W @ ΔJE4-2341  
4595 Stearns Jas I @ ΔJE8-5278  
45th intersects

**JEWEL AV—From N Treasure dr south**  
136  
7504-16 Under constn

**JOHNS ISLAND—In Biscayne Bay west of 4300 Alton rd**  
114  
— Recreation Center (dormitories for employees of Mt Sinai Hosp)

**JONES ST (Isle of Normandy)—North from Normandy waterway to Miami Beach Golf Course, 3 west of Bay dr**  
124

**KANE CONCOURSE (Also known as 96th st) (Bay Harbor Island)—From Indian Creek River west**  
139  
1000 Nolan-Brown Beach Cadillac ΔUN6-7611  
E Bay Harbor dr intersects

1001 Apothecary Shop Inc (br) drugs ΔUN5-2861  
1003 Marqusee Assocs Inc real est ΔUN6-1482  
Hoey Wm H notary ΔUN6-1482  
Fletcher Wain R Mrs notary ΔUN6-1482  
1005 **Algerta Building**  
Murray Arth Dance Studio's (ofc) ΔUN6-9044  
Rudolph Jack A phys ΔUN6-9044  
Klotz Melvin M dentist ΔUN6-2260  
Humphrey Wm L real est ΔUN6-3138  
Leonard Geo N phys ΔUN6-2250  
Nichol E Sterling phys ΔUN6-3702  
Jenkins Valentine E phys ΔUN6-3702  
Exley David W phys ΔUN6-6121  
1007 Bunnett Pools Corp equip ΔUN6-9741  
1009 Harbor Restr ΔUN6-9113  
1011 Jackman Geo L lwyr ΔUN6-8117  
1013 Beatrice LaVerne Dance Studio ΔUN6-5675  
1015 Murray Arth Dance Studios ΔUN6-9658  
1017 Burk Morris S Bldr contrs ΔUN6-6854  
Burk Constn Corp bldg contrs ΔUN6-6854  
Crane Serv Corp ΔUN6-6854  
**Bay Harbor ter intersects**  
1177 Storer Broadcasting Co ΔUN6-0211  
W Bay Harbor dr intersects  
Bay Harbor Waterway crosses  
E Broadview dr intersects  
Broadview ter intersects  
W Broadview dr intersects

**KEATOR AVENUE—From 200 Algren south to Tovey pl**  
100 Anello Thos L barber  
103 Nelen Watson C shoe  
107 Wrinn Frank M gro repr  
120 Krakow Simon J pntr

**LA GORCE CIRCLE (LaGroce Island)—From 6000 Pine Tree dr north in a circle to Pine Tree dr**  
120  
Roxbury la begins  
2 Barnes Florence M Mrs @ ΔUN6-8586  
4 Gross Henry R @  
6 Crane Robt ΔUN6-0481  
8 Stoner Chas H @ ΔUN6-1047  
9 Reed Earl F @ ΔUN6-5319  
10 Crum Ralph W @ ΔUN6-0010  
12 Morrison Robt J ΔUN6-3161  
Windsor la begins  
14 Grant Walter S @ ΔUN6-1720  
15 Vacant  
16 Hooper Herford B @ ΔUN6-4154  
18 Christopher Frank ΔUN6-7468  
Sheffield la begins  
21 Allen John @ ΔUN6-7838  
22 Putnam Georjean B Mrs @ ΔUN6-3130  
24 Dick Adolph M @  
Brevity la begins  
30 McKnight Wm L @  
31 Root Virginia Mrs @ ΔUN6-2593  
34 Beegle Clifford H @ ΔUN6-1090  
36 Mallory Phillip R @  
39 Transients  
40 Galbreath John W @ ΔUN6-0011  
41 Mori Eug @  
42 Thorp Goldie H Mrs @ ΔUN6-2078  
44 Davis Don A @ ΔUN6-2538

235 Lincoln  
Phone JE 1-

LA GORCE C  
Brev  
54 Jones  
60 Andre  
61 Crane  
64 Wall  
66 Burd  
She  
70 Joyce  
71 May  
72 Webb  
76 Bond  
W  
77 Buch  
80 Ritter  
88 No r  
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100 Sha  
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LA GORC  
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5120 Va  
5130 Ho  
5140 St  
5150 Fr  
5154 T  
5170 E  
5180 J  
5181 F

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5214 S  
5217 F  
5225 V  
5234 I  
5237 I  
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## APPENDIX G – ASBESTOS SURVEY AND METALS BASED COATINGS REPORT

# **Asbestos Survey Report**

**Bridge No. #875101**

**Broad Causeway Bridge**

**State Rd 922 (NE 123<sup>rd</sup> St.) Over Intercoastal Waterway  
Bay Harbor Islands, Dade County, Florida**

Prepared for: ATKINS  
4030 West Boy Scout Boulevard, Suite 700  
Tampa, Florida 33607

Prepared by APTIM Environmental & Infrastructure, Inc.  
725 US Highway 301 South  
Tampa, Florida 33619

**APTIM Project 631027840**  
**March 2023**



**ASBESTOS SURVEY TITLE SHEET**

**Facility Name:** Bridge #875101

**Address/Location:** Broad Causeway Bridge Over Intercoastal Waterway

**City, County, State:** Bay Harbor Islands, Dade County, Florida

**Owner Agency:** Florida Department of Transportation District 6

**Date of Survey:** February 13 to February 16, 2023

**Consultant:** APTIM Environmental & Infrastructure, Inc.

**Consultant Address:** 725 US Highway 301 South

**City, State, Zip Code:** Tampa, Florida 33619

**Telephone Number:** 813-612-3602



---

David W. Mosher, PE, LAC  
Licensed Asbestos Consultant, EA-0000078

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<b>SECTION 2</b>	<b>BRIDGE DIAGRAM(S)</b>
<b>SECTION 3</b>	<b>PHOTOGRAPHS</b>
<b>SECTION 4</b>	<b>LABORATORY ANALYTICAL DATA AND CHAIN OF CUSTODY FORM(S)</b>
<b>SECTION 5</b>	<b>CREDENTIALS FOR CONSULTANT, INSPECTOR, AND LABORATORY</b>
<b>SECTION 6</b>	<b>ASBESTOS OPERATIONS AND MAINTENANCE (O&amp;M) PLAN AND RESPONSE ACTION</b>
<b>DISCLAIMER</b>	

## ***Acronyms and Abbreviations***

---

ACM	asbestos-containing material
AHERA	Asbestos Hazard Emergency Response Act
APR	air-purifying respirator
COC	chain of custody
CR	County Road
EL	excursion limit
EPA	Environmental Protection Agency
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FDOT	Florida Department of Transportation
ft	feet
HA	homogeneous area
HEPA	high efficiency particulate air
LF	linear feet
mm	millimeter
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PACM	presumed asbestos-containing material
PCM	phase contrast microscopy
PLM	polarized light microscopy
PPE	personal protective equipment
QA/QC	quality assurance / quality control
RACM	regulated asbestos-containing material
SF	square feet
SR	State Road
TWA	time weighted average

**SECTION 1**  
**SURVEY SUMMARY FORMS**

## ASBESTOS SURVEY OVERVIEW

ATKINS will be replacing Bridge #875101, State Road 922/NE 123<sup>rd</sup> Street (Broad Causeway Bridge) over the Intercoastal Waterway in Bay Harbor Islands, Dade County, Florida, for the Florida Department of Transportation, District 6 (FDOT 6) and ATKINS, as the General Contractor, has requested that an asbestos survey be performed to determine the presence of asbestos-containing materials (ACM). This survey follows the Asbestos Hazard Emergency Response Act (AHERA) sampling protocol and complies with the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Mr. William Zukauskas of APTIM Environmental and Infrastructure, LLC (APTIM) performed the asbestos survey on February 13 to 16, 2023, to determine the location, extent, and condition of suspect ACM.

During the asbestos survey, samples of the following materials were collected to determine asbestos content: concrete on the deck, abutments, sidewalks, tender building walls, piers and rails, black mastic on the reflectors, gray expansion joint material, concrete block and block mortar, bricks and brick mortar, ceramic tile and grout, textured wall finish, stucco, black rubber pads on steel railing posts, white caulk, black vibration dampener material, and Class 5 coatings. Scupper drains on the deck are non-suspect PVC piping.

Samples of suspect materials were submitted for analysis to an independent laboratory certified by the National Voluntary Laboratory Accreditation Program (NVLAP). Additionally, as per FDOT requirements, quality control/quality assurance (QA/QC) samples were collected and submitted for analysis to a second NVLAP-certified laboratory. All samples were analyzed for asbestos of bulk materials by EPA Method 600/R-93/116 using Polarized Light Microscopy (PLM).

**Section 2** contains a Site Location Map and an Asbestos Survey Map which identifies each sample location. **Section 3** contains a Photograph Log for each sample. **Section 4** contains the Laboratory Analytical and Chain of Custody Record for the project samples. **Section 5** contains the Credentials for Consultant, Inspectors, and Laboratories. Provided in **Section 6** is the Asbestos Operations and Maintenance Plan (O&M) and Response Action for the project.

Laboratory analyses of the collected suspect samples indicated that the sampled materials did not contain asbestos. Observed electrical panels and wiring were determined to be non-asbestos containing. Renovation or demolition can proceed without engineering controls. However, the use of wet demolition methods is recommended during renovation or demolition of these sampled materials.



## ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Name: Bridge No. #875101, Broad Causeway Bridge Over Intercoastal Waterway Project No.: 631027840  
 Date of Survey: February 13 to 16, 2023 Agency: Florida Department of Transportation, District 6  
 Consultant: APTIM Environmental & Infrastructure, Inc. ATKINS Contact Person: Wendy Lasher

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Mon Cost	Replace Cost
HA-1.1	CONCRETE DECK	1	DECK ON SOUTHWEST SIDE	72,672 SF	N	NAD	0	0	0
HA-1.2	CONCRETE DECK	1	DECK ON CENTER WEST AREA	72,672 SF	N	NAD	0	0	0
HA-1.3	CONCRETE DECK	1	DECK ON SOUTHEAST SIDE	72,672 SF	N	NAD	0	0	0
HA-2.1	CONCRETE SIDEWALK	2	SIDEWALK ON SOUTHWEST SIDE	9,084 SF	N	NAD	0	0	0
HA-2.2	CONCRETE SIDEWALK	2	SIDEWALK ON NORTHWEST SIDE	9,084 SF	N	NAD	0	0	0
HA-2.3	CONCRETE SIDEWALK	2	SIDEWALK ON NORTHEAST SIDE	9,084 SF	N	NAD	0	0	0
HA-3.1	CONCRETE RAILS	3	SOUTHWEST RAIL ON SOUTH SIDE	9,084 SF	N	NAD	0	0	0
HA-3.2	CONCRETE RAILS	3	NORTHWEST RAIL ON NORTH SIDE	9,084 SF	N	NAD	0	0	0
HA-3.3	CONCRETE RAILS	3	EAST RAIL ON SOUTH SIDE	9,084 SF	N	NAD	0	0	0
HA-4.1	GRAY EXPANSION JOINTS	4	DECK ON WEST SIDE	1,296 LF	N	NAD	0	0	0
HA-4.2	GRAY EXPANSION JOINTS	4	DECK ON CNTER WEST SIDE	1,296 LF	N	NAD	0	0	0
HA-4.3	GRAY EXPANSION JOINTS	4	DECK ON SOUTHEAST SIDE	1,296 LF	N	NAD	0	0	0
HA-4.4 QA/QC	GRAY EXPANSION JOINTS	4	DECK ON SOUTHEAST SIDE	1,296 LF	N	NAD	0	0	0
HA-5.1	BLACK RELECTOR MASTIC	5	DECK WEST CENTER AREA	88 SF	N	NAD	0	0	0
HA-5.2	BLACK RELECTOR MASTIC	5	DECK ON CENTER AREA	88 SF	N	NAD	0	0	0
HA-5.3	BLACK RELECTOR MASTIC	5	DECK ON EAST AREA	88 SF	N	NAD	0	0	0
<b>COMMENTS/NOTES:</b> Y- Yes N - No NA - Not Applicable NAD - No Asbestos Detected LF - Linear feet SF - Square feet  CF - Cubic Feet CAT I - Category I CAT II - Category II PC - Point Count Analysis PS - Analyzed to first positive stop Trace - Less than 1%  chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite F - friable				Subtotals for this page			0	0	0
				Consultant Fees					
				O & M Costs					
				<b>TOTAL</b>					

1. All quantities given in square feet unless otherwise indicated.  
 2. All costs provided assume one mobilization.  
**3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.**

## ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Name: Bridge No. #875101, Broad Causeway Bridge Over Intercoastal Waterway Project No.: 631027840  
 Date of Survey: February 13 to 16, 2023 Agency: Florida Department of Transportation, District 6  
 Consultant: APTIM Environmental & Infrastructure, Inc. ATKINS Contact Person: Wendy Lasher

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Mon Cost	Replace Cost		
HA-6.1	CLASS 5 COATING	6	RAIL ON SOUTHWEST CORNER	9,084 SF	N	NAD	0	0	0		
HA-6.2	CLASS 5 COATING	6	RAIL ON SOUTHEAST CORNER	9,084 SF	N	NAD	0	0	0		
HA-6.3	CLASS 5 COATING	6	RAIL ON NORTHEAST CORNER	9,084 SF	N	NAD	0	0	0		
HA-7.1	BLACK RUBBER PADS UNDER POSTS	7	STEEL POST ON SOUTHEAST SIDE	232 SF	N	NAD	0	0	0		
HA-7.2	BLACK RUBBER PADS UNDER POSTS	7	STEEL POST ON SOUTH CENTER SIDE	232 SF	N	NAD	0	0	0		
HA-7.3	BLACK RUBBER PADS UNDER POSTS	7	STEEL POST ON NORTHEAST SIDE	232 SF	N	NAD	0	0	0		
HA-8.1	LIGHT WEIGHT CONCRETE PATCH	8	RAIL ON SOUTHWEST SIDE	174 SF	N	NAD	0	0	0		
HA-8.2	LIGHT WEIGHT CONCRETE PATCH	8	RAIL EAST OF EQUIPMENT BUILDING	174 SF	N	NAD	0	0	0		
HA-8.3	LIGHT WEIGHT CONCRETE PATCH	8	RAIL ON SOUTHEAST SIDE	174 SF	N	NAD	0	0	0		
HA-8.4 QA/QC	LIGHT WEIGHT CONCRETE PATCH	8	RAIL ON SOUTHEAST SIDE	174 SF	Y	NAD	0	0	0		
HA-9.1	BLACK RUBBER PADS UNDER WALKWAY	9	WEST OF TENDER HOUSE	696 SF	Y	NAD	0	0	0		
HA-9.2	BLACK RUBBER PADS UNDER WALKWAY	9	EAST OF TENDER HOUSE	696 SF	Y	NAD	0	0	0		
HA-9.3	BLACK RUBBER PADS UNDER WALKWAY	9	EAST OF EQUIPMENT BUILDING	696 SF	Y	NAD	0	0	0		
HA-10.1	CONCRETE PIERS	10	NORTHEAST SIDE OF BRIDGE	8,608 SF	N	NAD	0	0	0		
HA-10.2	CONCRETE PIERS	10	SOUTHEAST SIDE OF BRIDGE	8,608 SF	N	NAD	0	0	0		
<p>COMMENTS/NOTES:</p> <p>Y– Yes                      N – No                      NA – Not Applicable                      NAD – No Asbestos Detected                      LF – Linear feet                      SF – Square feet</p> <p>CF – Cubic Feet                      CAT I – Category I                      CAT II – Category II                      PC – Point Count Analysis                      PS – Analyzed to first positive stop                      Trace – Less than 1%</p> <p>chry. - chrysotile                      amo. - amosite                      trem. - tremolite                      cro. - crocidolite                      F - friable</p> <p>1. All quantities given in square feet unless otherwise indicated.                      2. All costs provided assume one mobilization.                      3. <b>Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.</b></p>							Subtotals for this page		0	0	0
							Consultant Fees				
							O & M Costs				
							<b>TOTAL</b>				

## ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Name: Bridge No. #875101, Broad Causeway Bridge Over Intercoastal Waterway Project No.: 631027840  
 Date of Survey: February 13 to 16, 2023 Agency: Florida Department of Transportation, District 6  
 Consultant: APTIM Environmental & Infrastructure, Inc. ATKINS Contact Person: Wendy Lasher

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Mon Cost	Replace Cost
HA-10.3	CONCRETE PIERS	10	NORTHWEST SIDE OF BRIDGE	8,608 SF	N	NAD	0	0	0
HA-11.1	CONCRETE ABUTMENT	11	SOUTHWEST CORNER OF WEST WALL	832 SF	N	NAD	0	0	0
HA-11.2	CONCRETE ABUTMENT	11	NORTHWEST CORNER OF WEST WALL	832 SF	N	NAD	0	0	0
HA-11.3	CONCRETE ABUTMENT	11	NORTHEAST CORNER OF EAST WALL	832 SF	N	NAD	0	0	0
HA-12.1	BLACK VIBRATION DAMPENER	12	SOUTHWEST BRIDGE END CAP	384 SF	N	NAD	0	0	0
HA-12.2	BLACK VIBRATION DAMPENER	12	NORTHWEST BRIDGE END CAP	384 SF	N	NAD	0	0	0
HA-12.3	BLACK VIBRATION DAMPENER	12	SOUTHEAST BRIDGE END CAP	384 SF	N	NAD	0	0	0
HA-13.1	RED CERAMIC FLOOR TILE	13	TENDER HOUSE CONTROL ROOM - EAST	180 SF	N	NAD	0	0	0
HA-13.2	RED CERAMIC FLOOR TILE	13	TENDER HOUSE CONTROL ROOM - WEST	180 SF	N	NAD	0	0	0
HA-13.3	RED CERAMIC FLOOR TILE	13	TENDER HOUSE REST ROOM	180 SF	N	NAD	0	0	0
HA-14.1	BROWN GROUT	14	TENDER HOUSE CONTROL ROOM - EAST	180 SF	N	NAD	0	0	0
HA-14.3	BROWN GROUT	14	TENDER HOUSE CONTROL ROOM - WEST	180 SF	N	NAD	0	0	0
HA-14.4	BROWN GROUT	14	TENDER HOUSE REST ROOM	180 SF	N	NAD	0	0	0
HA-15.1	WHITE TEXTURED WALL FINISH	14	TENDER HOUSE NORTHEAST WALL	780 SF	N	NAD	0	0	0
<b>COMMENTS/NOTES:</b> Y– Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet  CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1%  chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite F - friable  1. All quantities given in square feet unless otherwise indicated. 2. All costs provided assume one mobilization. 3. <b>Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.</b>				Subtotals for this page			0	0	0
				Consultant Fees					
				O & M Costs					
				<b>TOTAL</b>					

## ASBESTOS SURVEY AND ASSESSMENT – FORM 2

Bridge Name: Bridge No. #875101, Broad Causeway Bridge Over Intercoastal Waterway Project No.: 631027840  
 Date of Survey: February 13 to 16, 2023 Agency: Florida Department of Transportation, District 6  
 Consultant: APTIM Environmental & Infrastructure, Inc. ATKINS Contact Person: Wendy Lasher

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Mon Cost	Replace Cost
HA-15.2	WHITE TEXTURED WALL FINISH	15	TENDER HOUSE NORTHWEST WALL	780 SF	N	NAD	0	0	0
HA-15.3	WHITE TEXTURED WALL FINISH	15	TENDER HOUSE REST ROOM	780 SF	N	NAD	0	0	0
HA-15.4 QA/QC	WHITE TEXTURED WALL FINISH	15	TENDER HOUSE REST ROOM	780 SF	N	NAD	0	0	0
HA-16.1	POURED CONCRETE WALLS	16	TENDER HOUSE NORTHWEST WALL	10,080 SF	N	NAD	0	0	0
HA-16.2	POURED CONCRETE WALLS	16	TENDER HOUSE WEST WALL	10,080 SF	N	NAD	0	0	0
HA-16.3	POURED CONCRETE WALLS	16	TENDER HOUSE REST ROOM WALL	10,080 SF	N	NAD	0	0	0
HA-16.4 QA/QC	POURED CONCRETE WALLS	16	TENDER HOUSE REST ROOM WALL	10,080 SF	N	NAD	0	0	0
HA-17.1	EXTERIOR WALL STUCCO	17	TENDER HOUSE SOUTHWEST WALL	928 SF	N	NAD	0	0	0
HA-17.2	EXTERIOR WALL STUCCO	17	TENDER HOUSE NORTH WALL CENTER	928 SF	N	NAD	0	0	0
HA-17.3	EXTERIOR WALL STUCCO	17	TENDER HOUSE NORTH WALL EAST SIDE	928 SF	N	NAD	0	0	0
HA-18.1	WHITE FRAME CAULK	18	TENDER HOUSE NORTHWEST WINDOW	158 LF	N	NAD	0	0	0
HA-18.2	WHITE FRAME CAULK	18	TENDER HOUSE NORTH WINDOW	158 LF	N	NAD	0	0	0
HA-18.3	WHITE FRAME CAULK	18	TENDER HOUSE SOUTHEAST WINDOW	158 LF	N	NAD	0	0	0
HA-19.1	CONCRETE BLOCK	19	EQUIPMENT BLDG SOUTHWEST WALL	928 SF	N	NAD	0	0	0
HA-19.2	CONCRETE BLOCK	19	EQUIPMENT BLDG NORTHWEST WALL	928 SF	N	NAD	0	0	0
HA-19.3	CONCRETE BLOCK	19	EQUIPMENT BLDG NORTHEAST WALL	928 SF	N	NAD	0	0	0
<b>COMMENTS/NOTES:</b> Y- Yes N - No NA - Not Applicable NAD - No Asbestos Detected LF - Linear feet SF - Square feet  CF - Cubic Feet CAT I - Category I CAT II - Category II PC - Point Count Analysis PS - Analyzed to first positive stop Trace - Less than 1%  chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite F - friable				Subtotals for this page			0	0	0
				Consultant Fees					
				O & M Costs					
				<b>TOTAL</b>					

1. All quantities given in square feet unless otherwise indicated.  
 2. All costs provided assume one mobilization.  
**3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.**

## ASBESTOS SURVEY AND ASSESSMENT – FORM 2

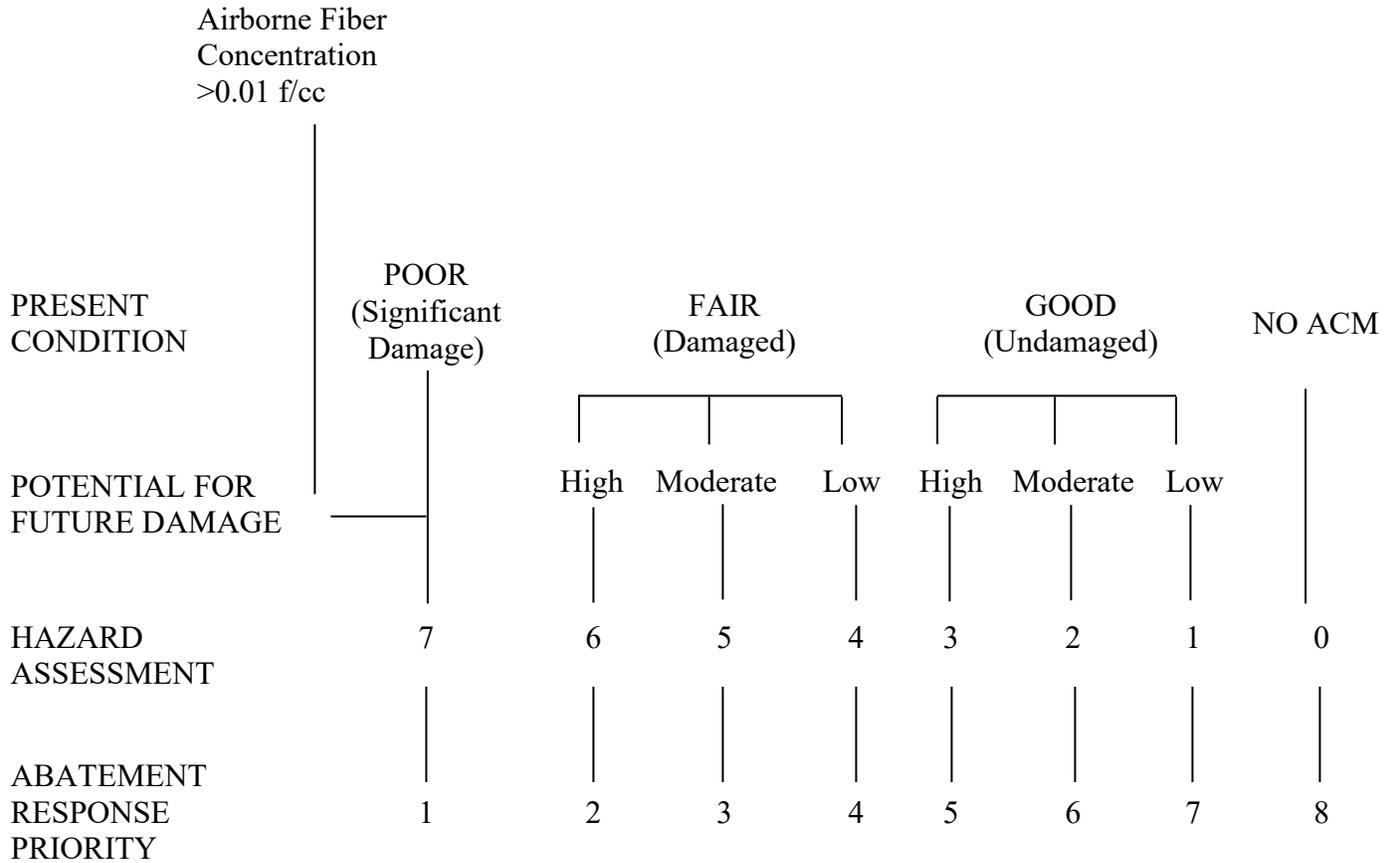
Bridge Name: Bridge No. #875101, Broad Causeway Bridge Over Intercoastal Waterway Project No.: 631027840  
 Date of Survey: February 13 to 16, 2023 Agency: Florida Department of Transportation, District 6  
 Consultant: APTIM Environmental & Infrastructure, Inc. ATKINS Contact Person: Wendy Lasher

Sample No. or Assumed	Material Description	Homo-geneous Area No.	Area Description	Quantity (Total for HA)	Friable Y/N	Asbestos Type & % or Assumed	Response Cost	Air Mon Cost	Replace Cost		
HA-20.1	CONCRETE BLOCK MORTAR	20	EQUIPMENT BLDG SOUTHWEST WALL	610 SF	N	NAD	0	0	0		
HA-20.2	CONCRETE BLOCK MORTAR	20	EQUIPMENT BLDG NORTHWEST WALL	610 SF	N	NAD	0	0	0		
HA-20.3	CONCRETE BLOCK MORTAR	20	EQUIPMENT BLDG NORTHEAST WALL	610 SF	N	NAD	0	0	0		
HA-21.1	GRAY BRICK	21	EQUIPMENT BLDG NORTH PARTITION WALL	64 SF	N	NAD	0	0	0		
HA-21.2	GRAY BRICK	21	EQUIPMENT BLDG CENTER PARTITION WALL	64 SF	N	NAD	0	0	0		
HA-21.3	GRAY BRICK	21	EQUIPMENT BLDG SOUTH PARTITION WALL	64 SF	N	NAD	0	0	0		
HA-22.1	GRAY BRICK MORTAR	22	EQUIPMENT BLDG NORTH PARTITION WALL	50 SF	N	NAD	0	0	0		
HA-22.2	GRAY BRICK MORTAR	22	EQUIPMENT BLDG CENTER PARTITION WALL	50 SF	N	NAD	0	0	0		
HA-22.3	GRAY BRICK MORTAR	22	EQUIPMENT BLDG SOUTH PARTITION WALL	50 SF	N	NAD	0	0	0		
COMMENTS/NOTES: Y – Yes N – No NA – Not Applicable NAD – No Asbestos Detected LF – Linear feet SF – Square feet  CF – Cubic Feet CAT I – Category I CAT II – Category II PC – Point Count Analysis PS – Analyzed to first positive stop Trace – Less than 1%  chry. - chrysotile amo. - amosite trem. - tremolite cro. - crocidolite F - friable							Subtotals for this page		0	0	0
							Consultant Fees				
							O & M Costs				
							TOTAL				

1. All quantities given in square feet unless otherwise indicated.  
 2. All costs provided assume one mobilization.  
**3. Shaded and bold text indicates Asbestos-Containing Material (ACM) or assumed ACM.**

# ASBESTOS HAZARD ASSESSMENT DECISION TREE

## MATERIAL



Because people tend to equate a “1” with top priority, the assessment numbers are reversed to establish the response priority.

# ASBESTOS SURVEY REPORT – FORM 3

## PERSONNEL SUMMARY

**Facility/Bridge Name:** Broad Causeway Bridge Over Intercoastal Waterway  
**Bridge No.:** Bridge #875101

**Date of Survey:** February 13 to 16, 2023

<b>Name and Address</b>	<b>Task Performed</b>	<b>License or Certificate</b>
David W. Mosher, PE, LAC APTIM Environmental & Infrastructure, Inc. (f/k/a Shaw Environmental, Inc.) 725 US Highway 301 South Tampa, Florida 33619	Asbestos Consultant Asbestos Business	EA-0000078 ZA-317
William Zukauskas APTIM Environmental & Infrastructure, Inc. 9143 Philips Highway, Suite 400 Jacksonville, Florida 32256-7460	Asbestos Inspector	CHC 66046610
EMSL Analytical, Inc. (EMSL) 3303 Parkway Center Court Orlando, FL 32808	Bulk Analysis	NVLAP No. 101151-0
International Asbestos Testing Laboratory (IATL) 9000 Commerce Parkway, Suite B Mt. Laurel, New Jersey 08054	Quality Assurance	NVLAP No. 101165-0

**SECTION 2**

**BRIDGE DIAGRAM(S)**



OFFICE: TAMPA	DATE: 2-17-23	ACAD FILE: 7840A1
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**SITE LOCATION MAP**

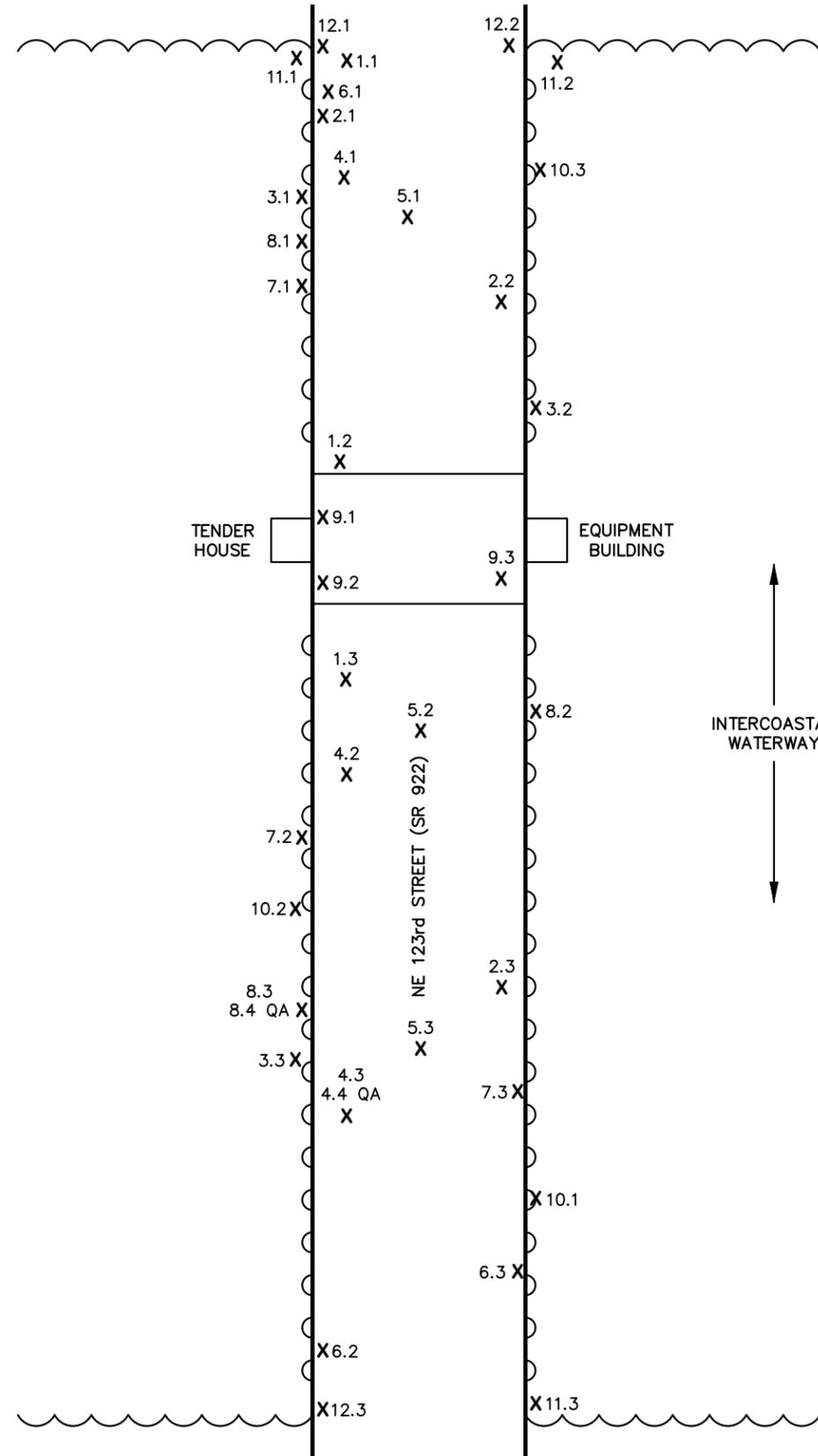
CLIENT: ATKINS	PM: LH
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LOCATION:  
BRIDGE 875101  
NE 123rd STREET (SR 922) over  
INTERCOASTAL WATERWAY  
BAY HARBOR ISLANDS, MIAMI-DADE COUNTY, FL



APTIM ENVIRONMENTAL &  
INFRASTRUCTURE, LLC  
725 U.S. HIGHWAY 301 SOUTH  
TAMPA, FLORIDA 33619  
(813) 612-3600 OFFICE  
(813) 626-1663 FAX

DESIGNED: WBZ	DRAWN: SDJF	PROJECT NO.: 631027840	FIGURE: <b>1</b>
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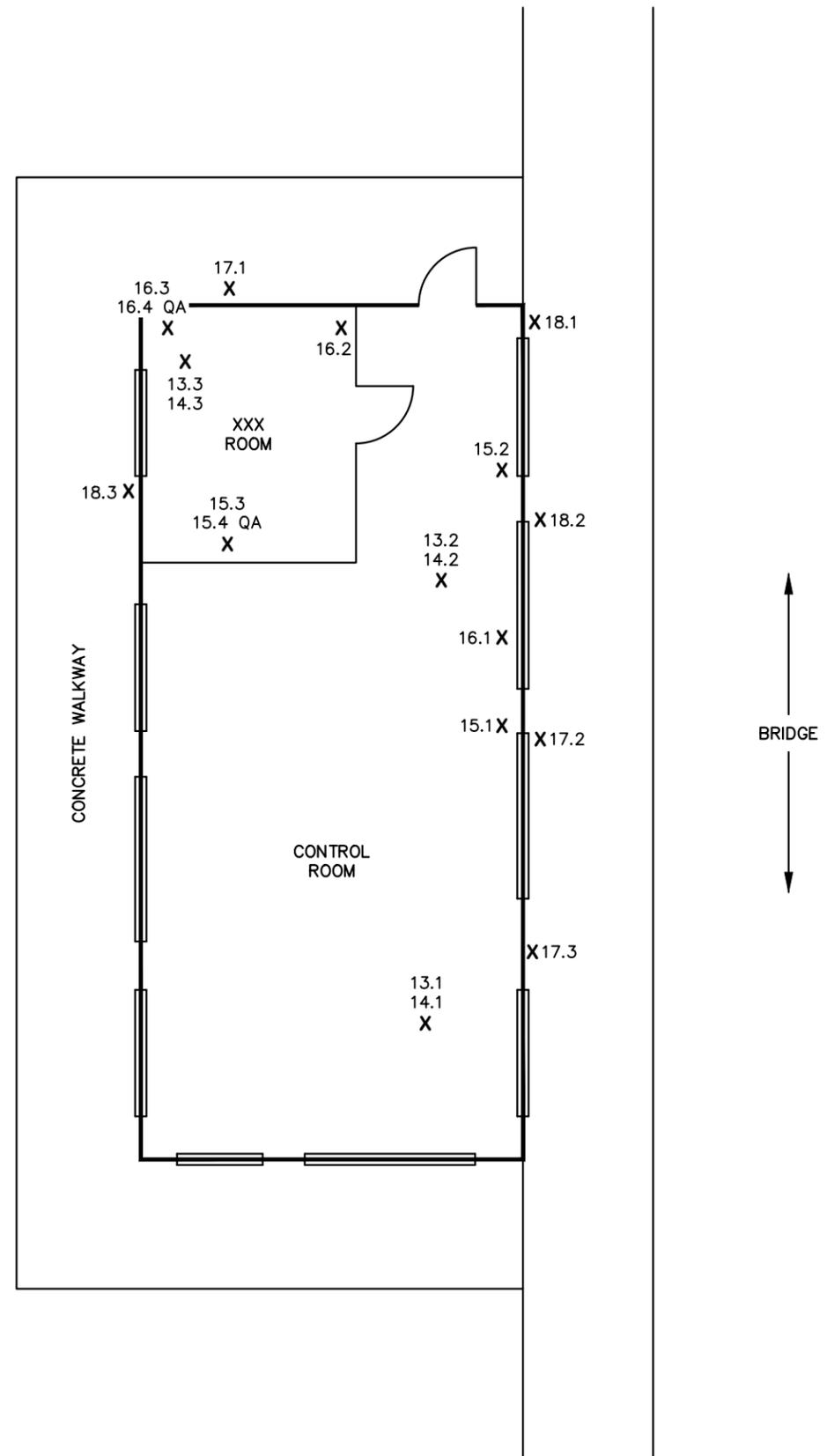
**LEGEND:**

- X ASBESTOS SAMPLE LOCATION
- QA QUALITY ASSURANCE SAMPLING LOCATION

 <p style="text-align: right;">APTIM ENVIRONMENTAL &amp; INFRASTRUCTURE, LLC 725 U.S. HIGHWAY 301 SOUTH TAMPA, FLORIDA 33619 (813) 612-3600 OFFICE (813) 626-1663 FAX</p>			
<p><b>ASBESTOS SAMPLE LOCATION MAP</b> <b>FEBRUARY 13 to 16, 2023</b></p>			
CLIENT: ATKINS			PM: LH
LOCATION: BRIDGE 875101 NE 123rd STREET (SR 922) over INTERCOASTAL WATERWAY BAY HARBOR ISLANDS, MIAMI-DADE COUNTY, FL			
DESIGNED: WBZ	DRAWN: SDJF	PROJECT NO.: 631027840	FIGURE: <b>2</b>



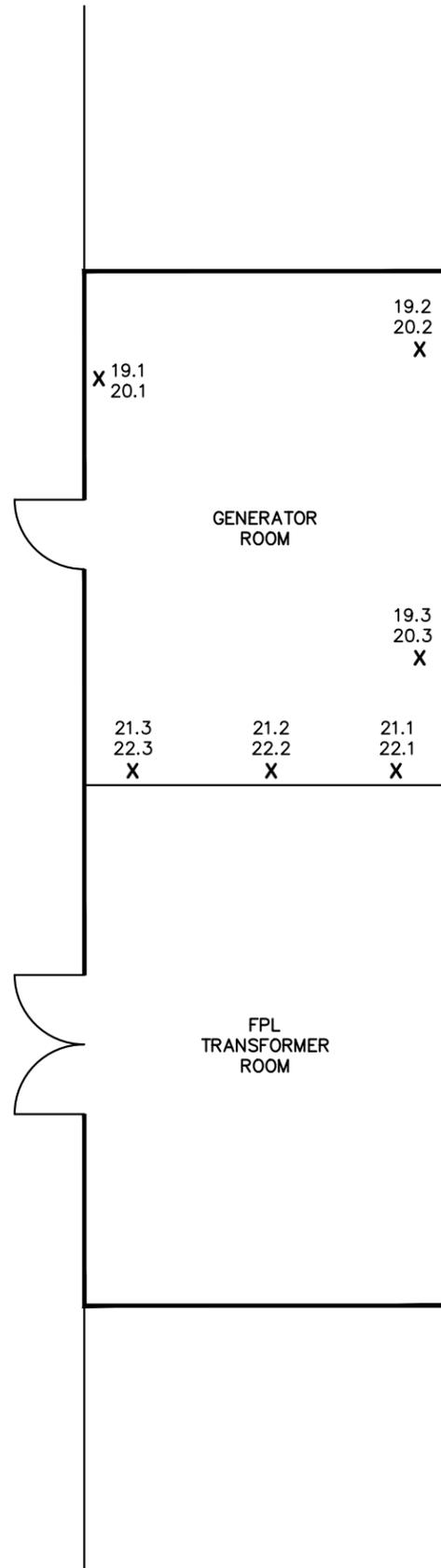
- LEGEND:**
- X ASBESTOS SAMPLE LOCATION
  - QA QUALITY ASSURANCE SAMPLING LOCATION



		APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC 725 U.S. HIGHWAY 301 SOUTH TAMPA, FLORIDA 33619 (813) 612-3600 OFFICE (813) 626-1663 FAX	
		OFFICE: TAMPA	DATE: 3-7-23
<b>TENDER HOUSE          ASBESTOS SAMPLE          LOCATION MAP          FEBRUARY 13 to 16, 2023</b>			
CLIENT: ATKINS		PM: LH	
LOCATION: BRIDGE 875101 NE 123rd STREET (SR 922) over INTERCOASTAL WATERWAY BAY HARBOR ISLANDS, MIAMI-DADE COUNTY, FL			
DESIGNED: WBZ	DRAWN: SDJF	PROJECT NO.: 631027840	FIGURE: <b>3</b>



BRIDGE



**LEGEND:**

- X ASBESTOS SAMPLE LOCATION
- QA QUALITY ASSURANCE SAMPLING LOCATION



APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC  
 725 U.S. HIGHWAY 301 SOUTH  
 TAMPA, FLORIDA 33619  
 (813) 612-3600 OFFICE  
 (813) 626-1663 FAX

OFFICE: TAMPA	DATE: 3-7-23	ACAD FILE: 7840B3
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**EQUIPMENT BUILDING  
 ASBESTOS SAMPLE  
 LOCATION MAP  
 FEBRUARY 13 to 16, 2023**

CLIENT: ATKINS	PM: LH
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LOCATION:  
 BRIDGE 875101  
 NE 123rd STREET (SR 922) over  
 INTERCOASTAL WATERWAY  
 BAY HARBOR ISLANDS, MIAMI-DADE COUNTY, FL

DESIGNED: WBZ	DRAWN: SDJF	PROJECT NO.: 631027840	FIGURE: <b>4</b>
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**SECTION 3**  
**PHOTOGRAPHS**

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Bridge Number On Railing

Photograph No: 1  
Date: 2/13/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Southwest End Of Bridge Looking East

Photograph No: 2  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Bridge Tender House

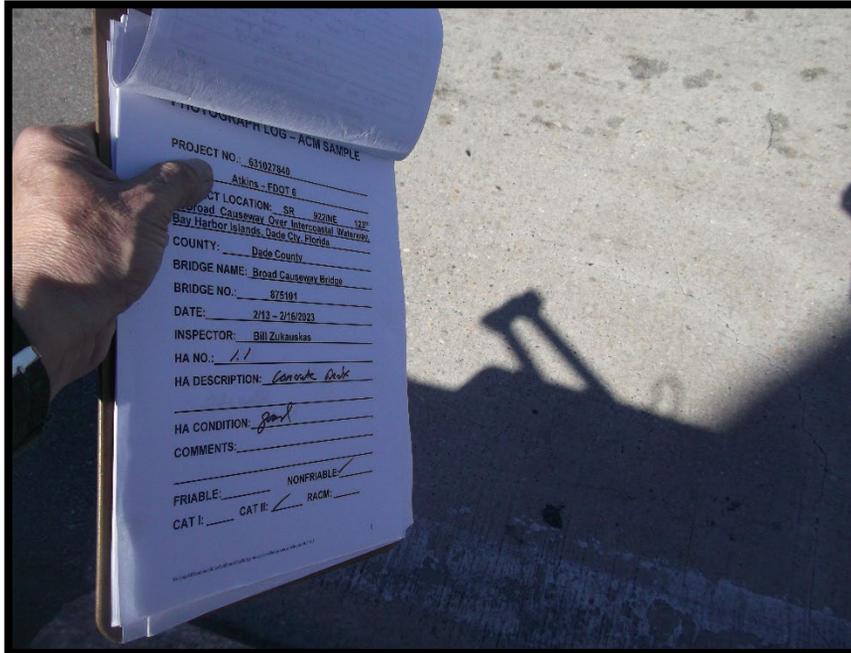
Photograph No: 3  
Date: 2/13/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Bridge Equipment Building

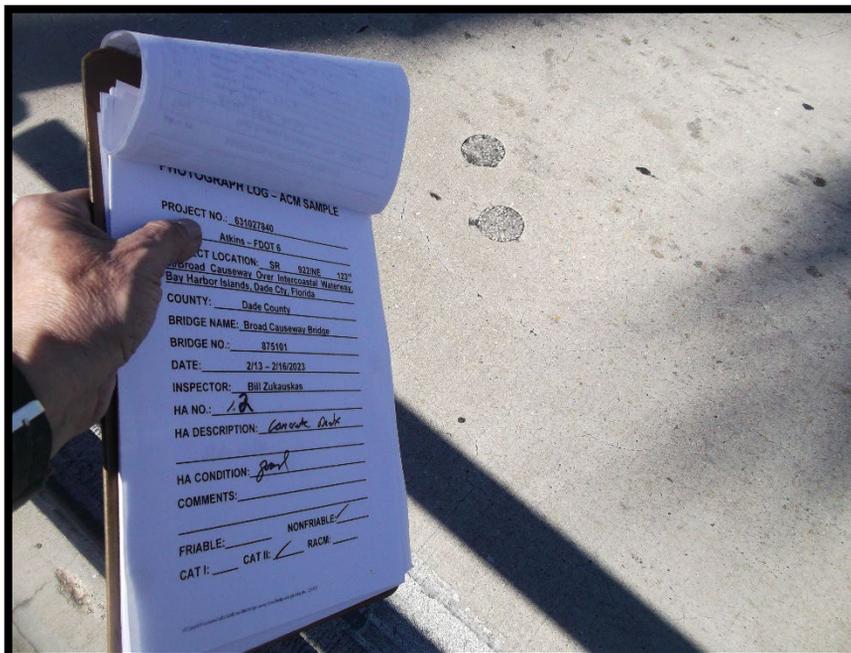
Photograph No: 4  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 1.1 – Bridge Deck

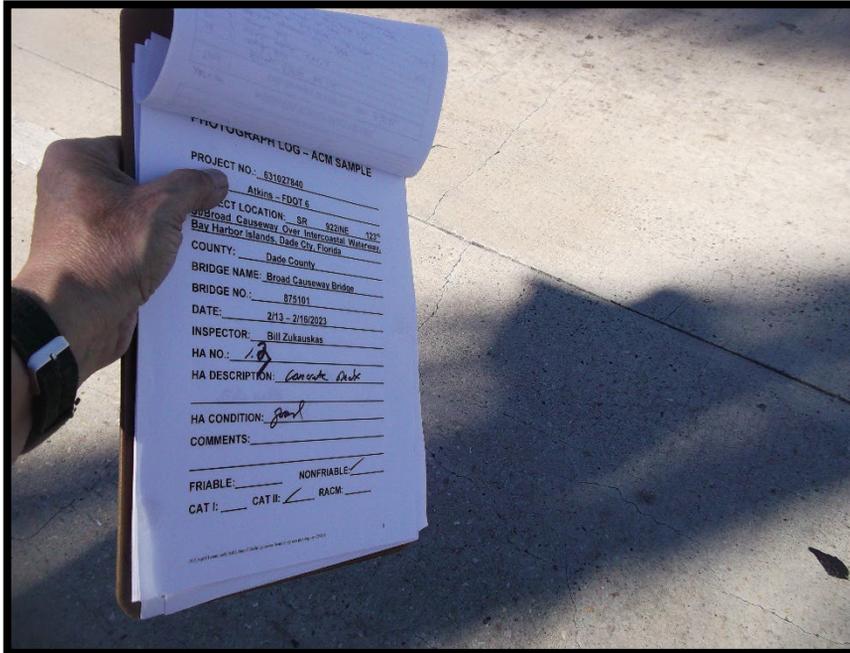
Photograph No: 5  
Date: 2/13/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 1.2 – Bridge Deck

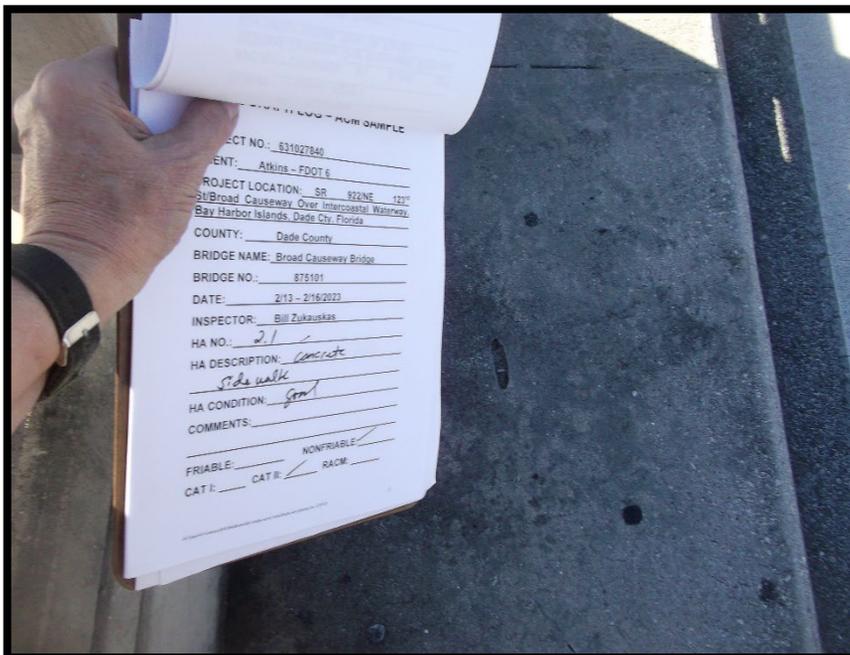
Photograph No: 6  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 1.3 – Bridge Deck

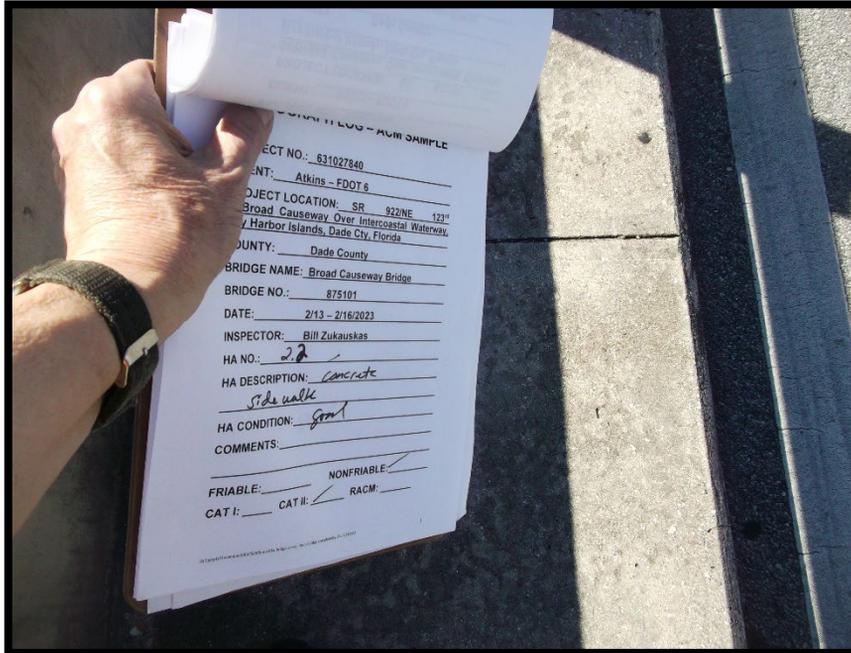
Photograph No: 7  
Date: 2/13/2023



Project No: 63102784  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 2.1 – Concrete Sidewalk

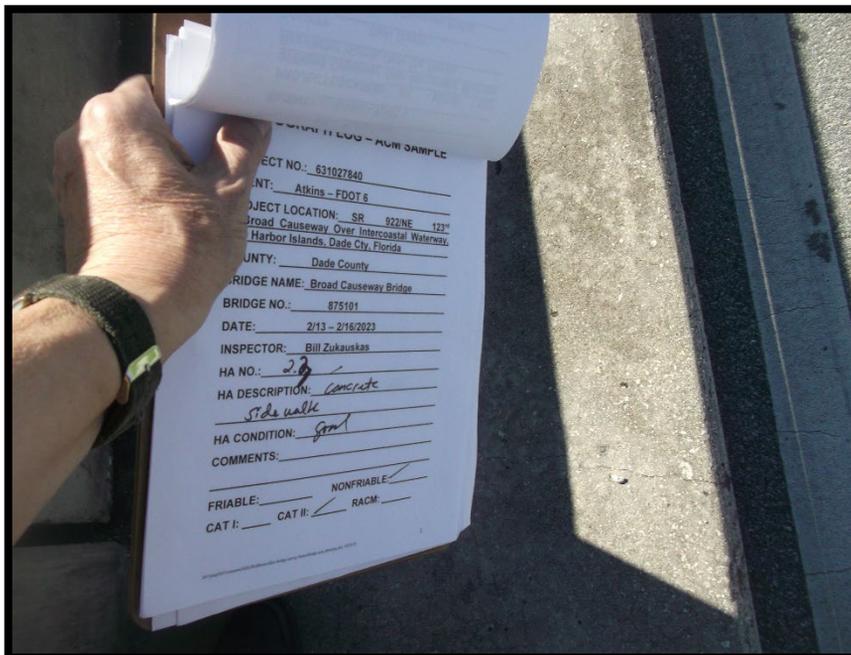
Photograph No: 8  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 2.2 – Concrete Sidewalk

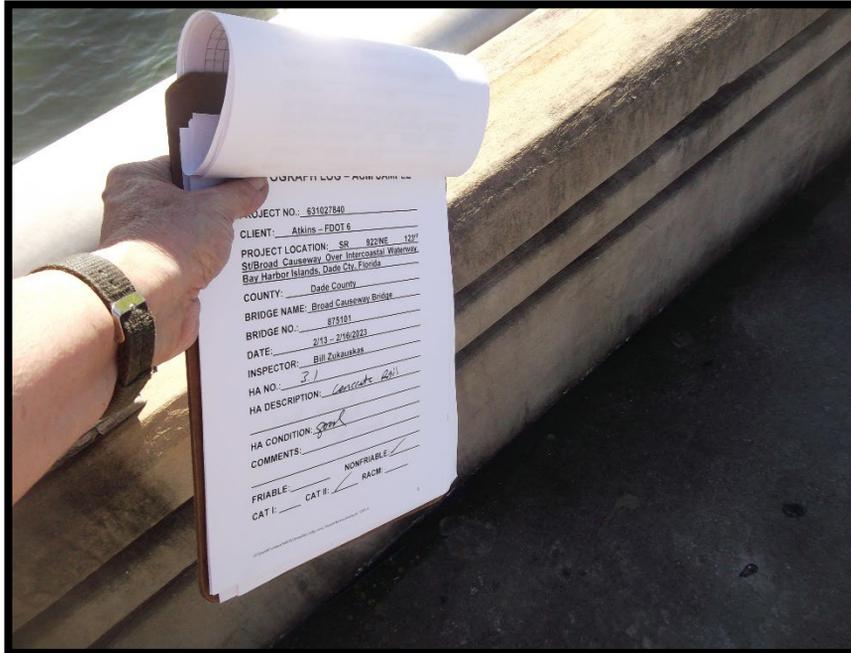
Photograph No: 9  
Date: 2/13/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 2.3 – Concrete Sidewalk

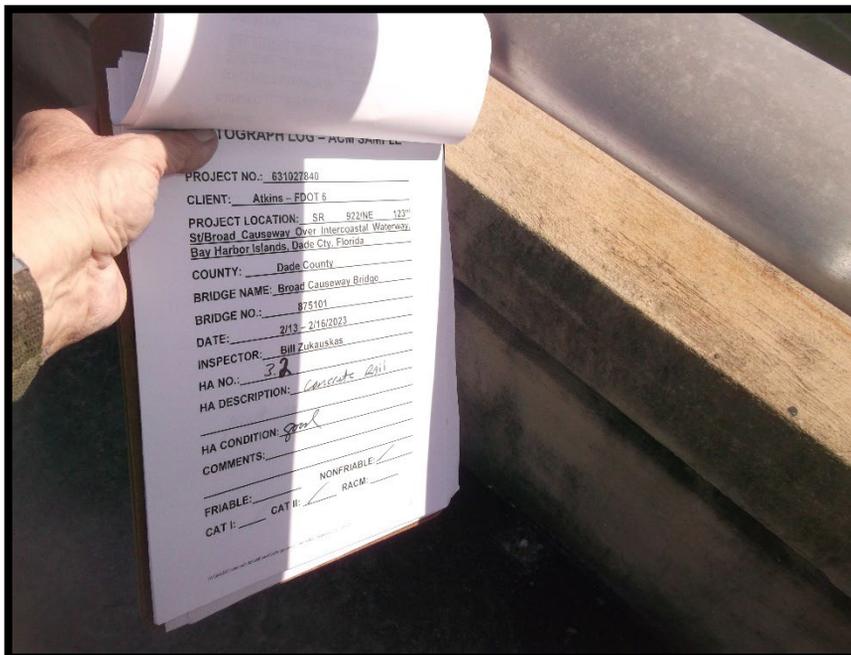
Photograph No: 10  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 3.1 – Concrete Rails

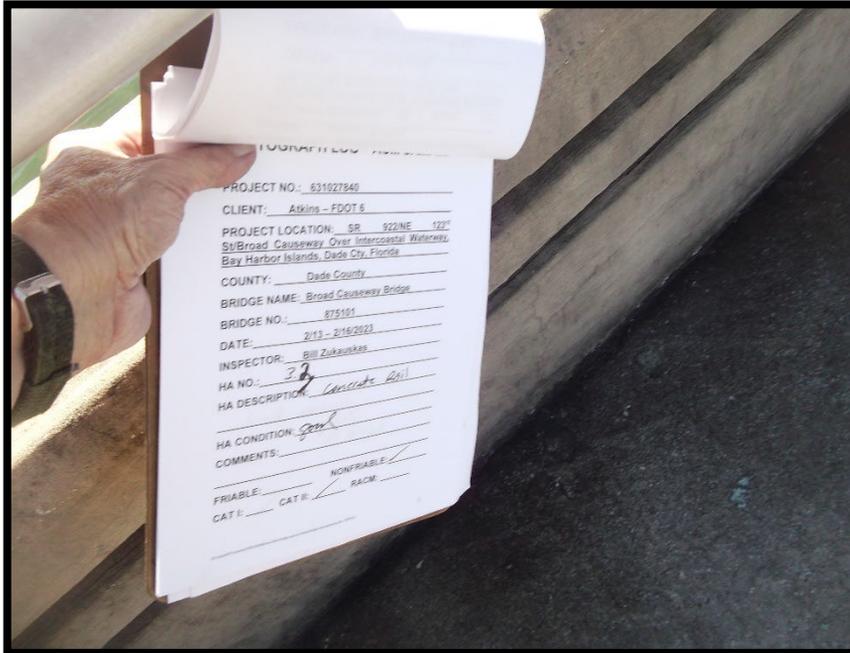
Photograph No: 11  
Date: 2/13/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 3.2 – Concrete Rails

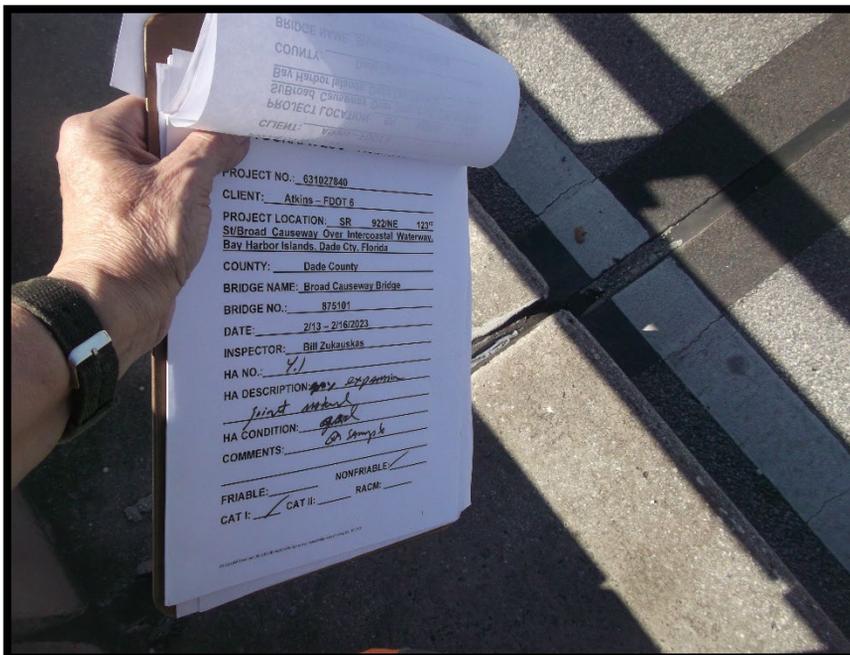
Photograph No: 12  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 3.3 – Concrete Rails

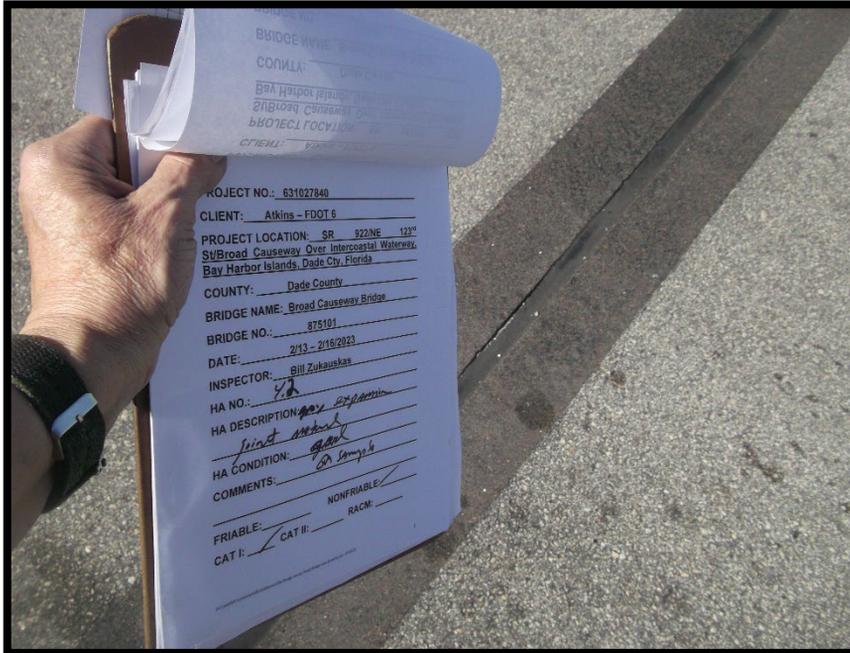
Photograph No: 13  
Date: 2/13/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 4.1 – Gray Expansion Joint

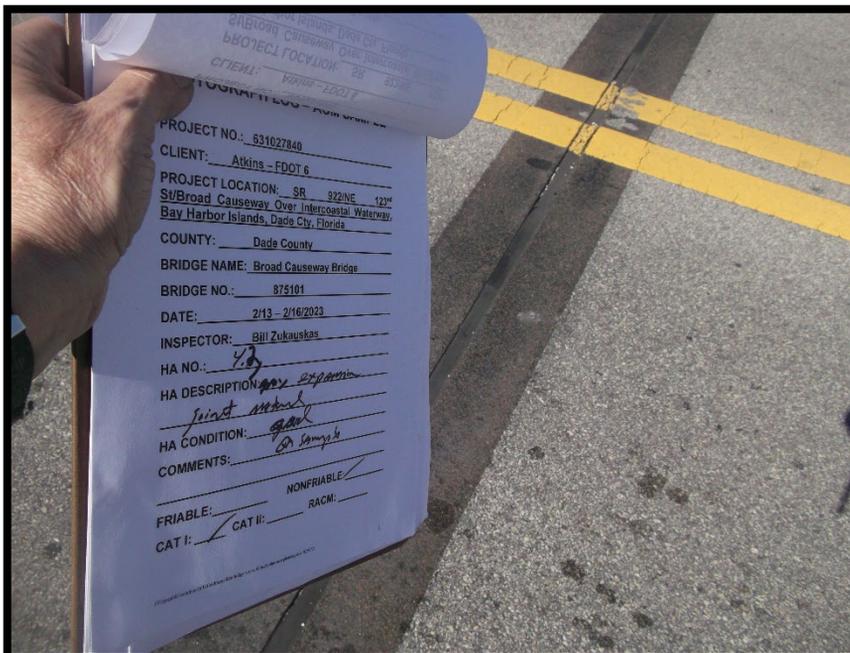
Photograph No: 14  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 4.2 – Gray Expansion Joint

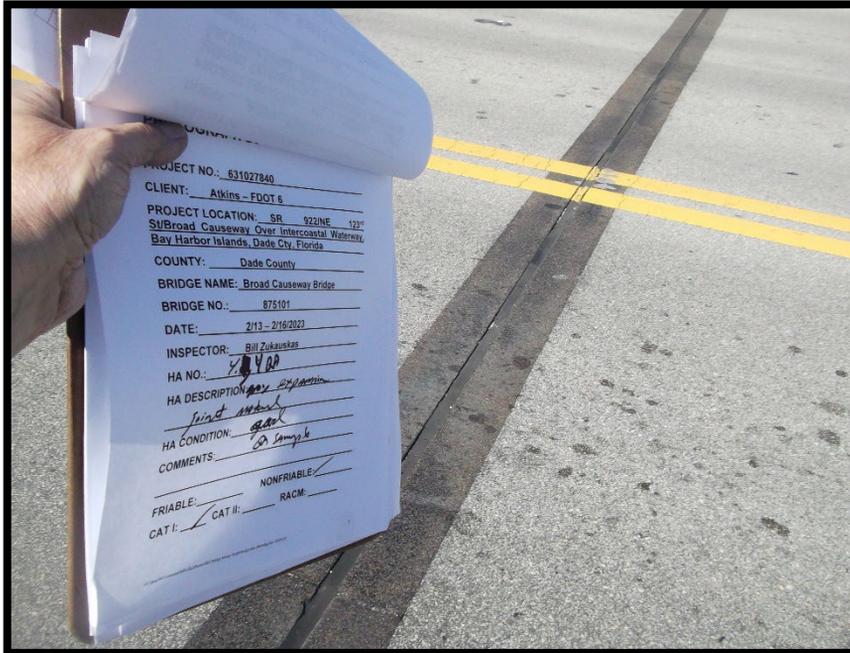
Photograph No: 15  
Date: 2/13/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 4.3 – Gray Expansion Joint

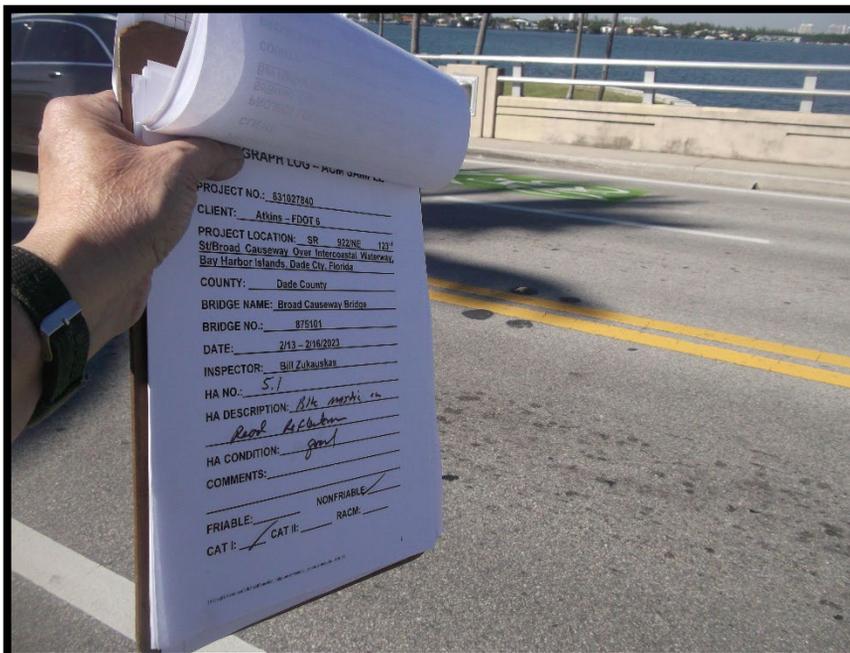
Photograph No: 16  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 4.4 QA/QC – Gray Expansion Joint

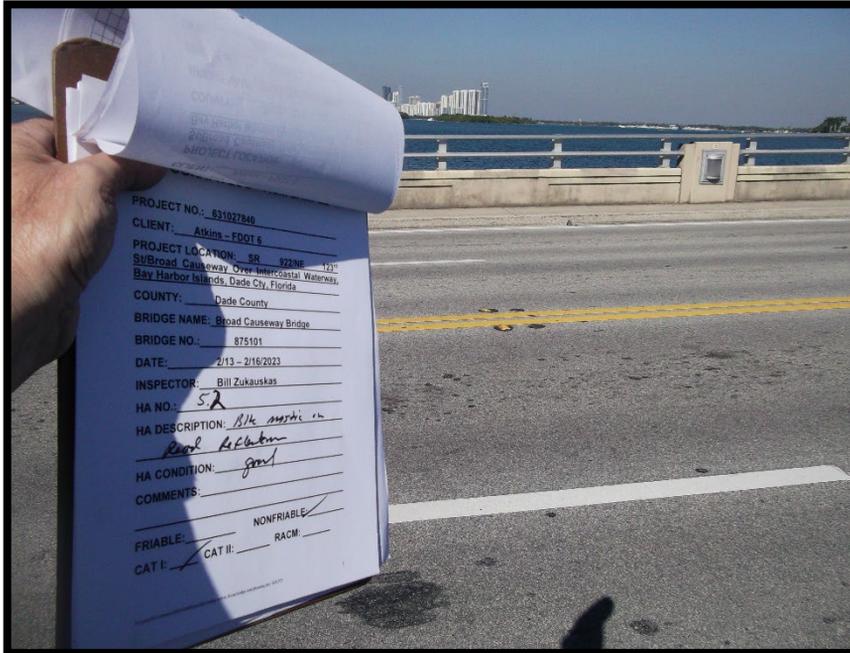
Photograph No: 17  
Date: 2/13/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 5.1 – Black Mastic On Road Reflectors

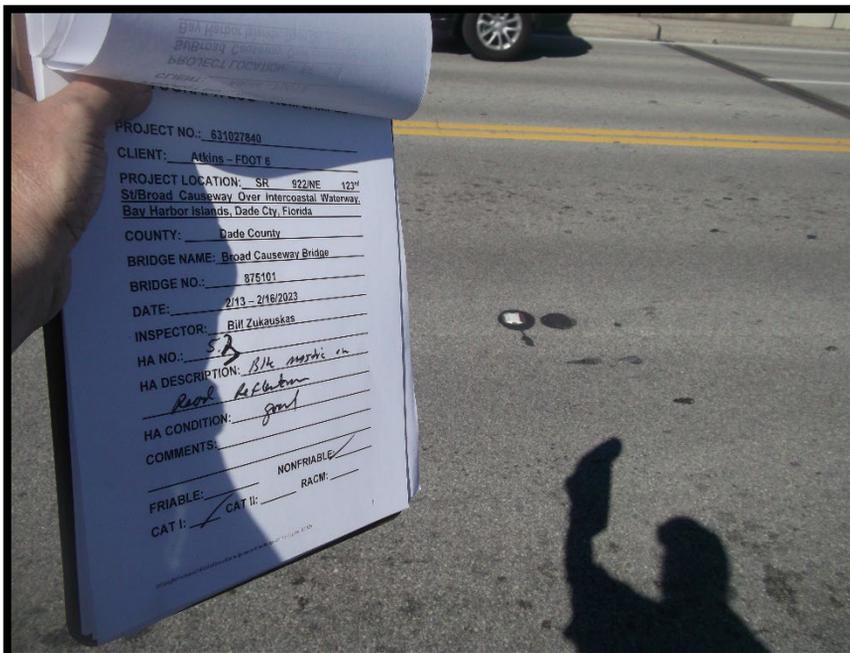
Photograph No: 18  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 5.2 – Black Mastic On Road Reflectors

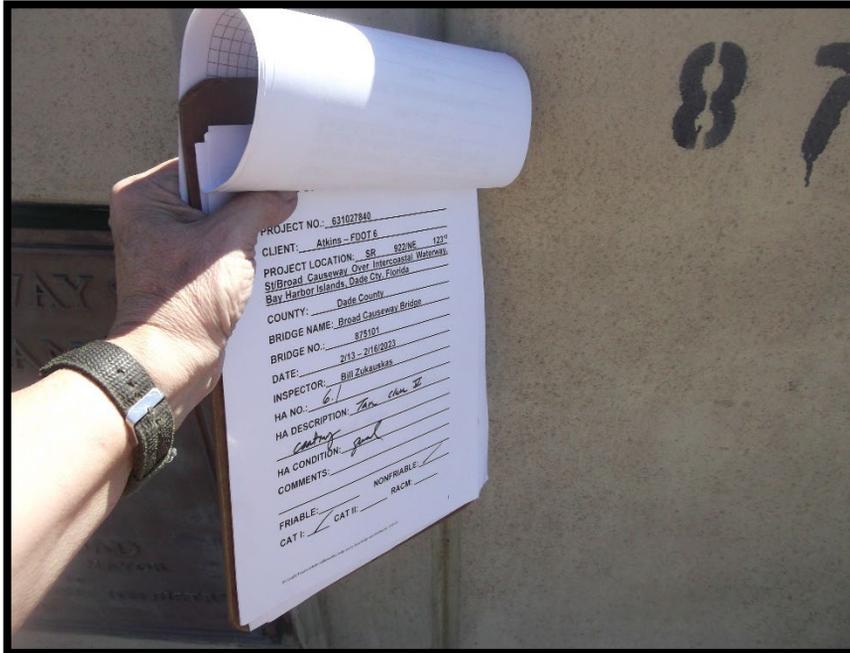
Photograph No: 19  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 5.3 – Black Mastic On Road Reflectors

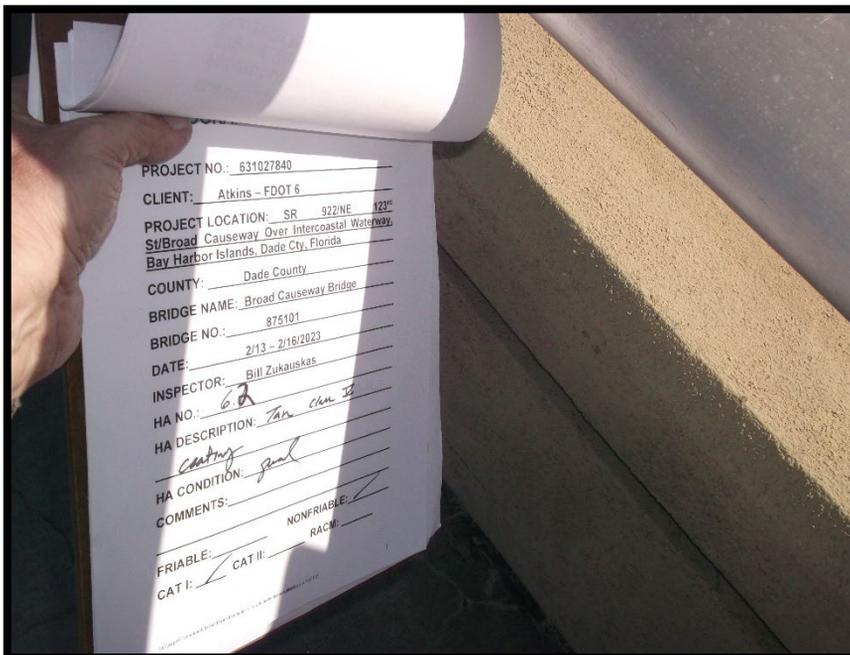
Photograph No: 20  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 6.1 – Tan Class V Coating On Rails

Photograph No: 21  
Date: 2/14/2023



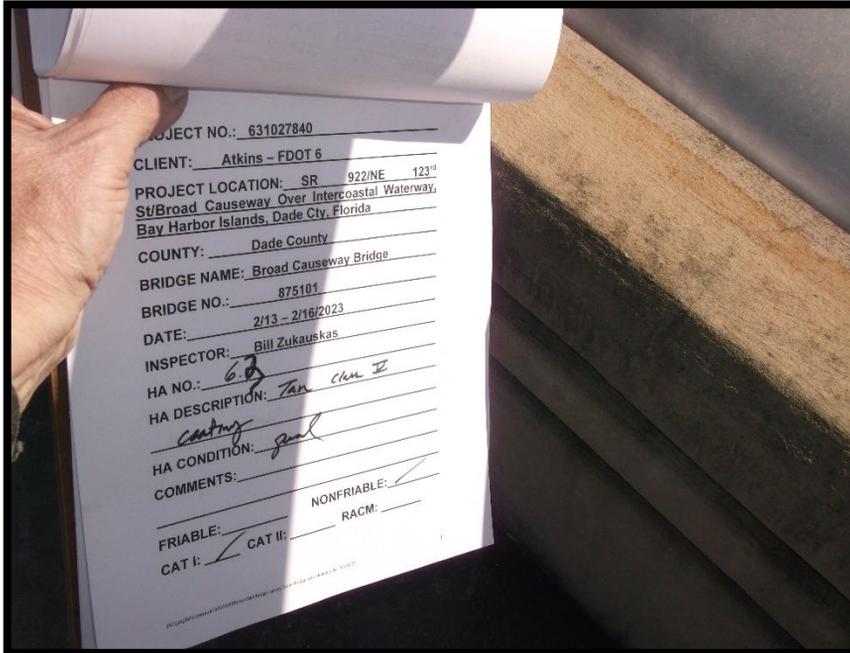
Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 6.2 – Tan Class V Coating On Rails

Photograph No: 22  
Date: 2/14/2023

# Broad Causeway Bridge over Intercoastal Waterway

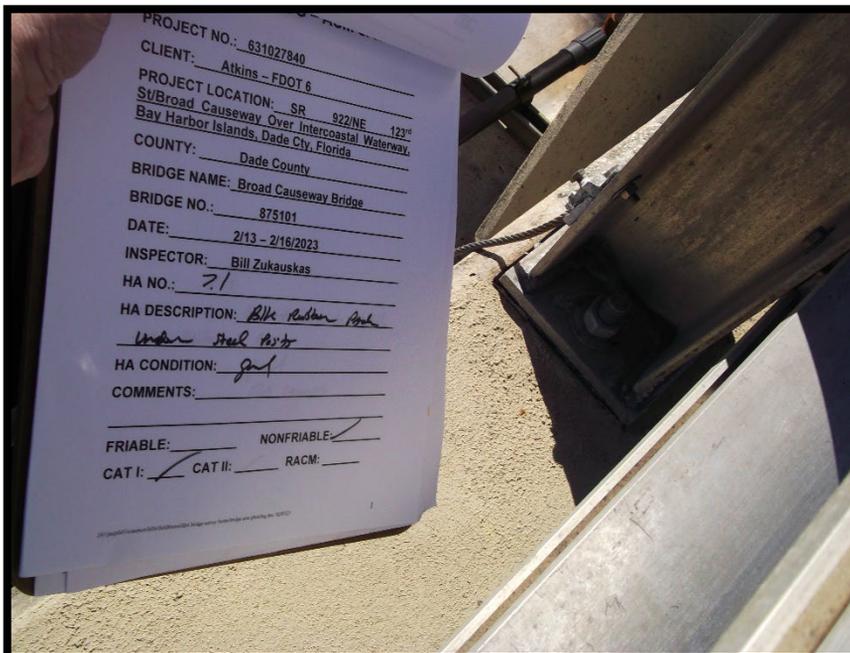
## Bridge #875101

### Dade County, Florida – Asbestos Photo Log



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 6.3 – Tan Class V Coating On Rails

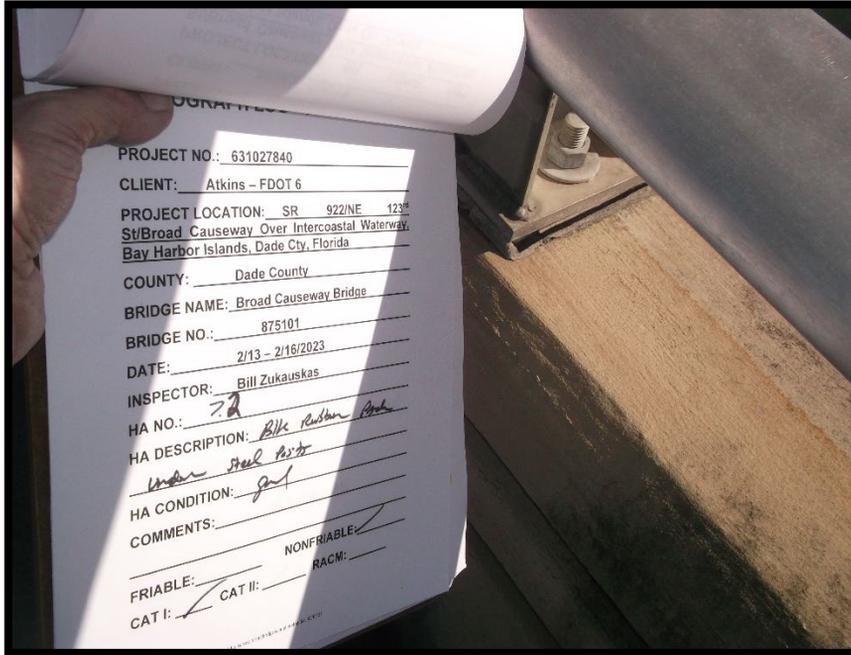
Photograph No: 23  
 Date: 2/14/2023



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 7.1 – Black Rubber Pads Under Steel Posts

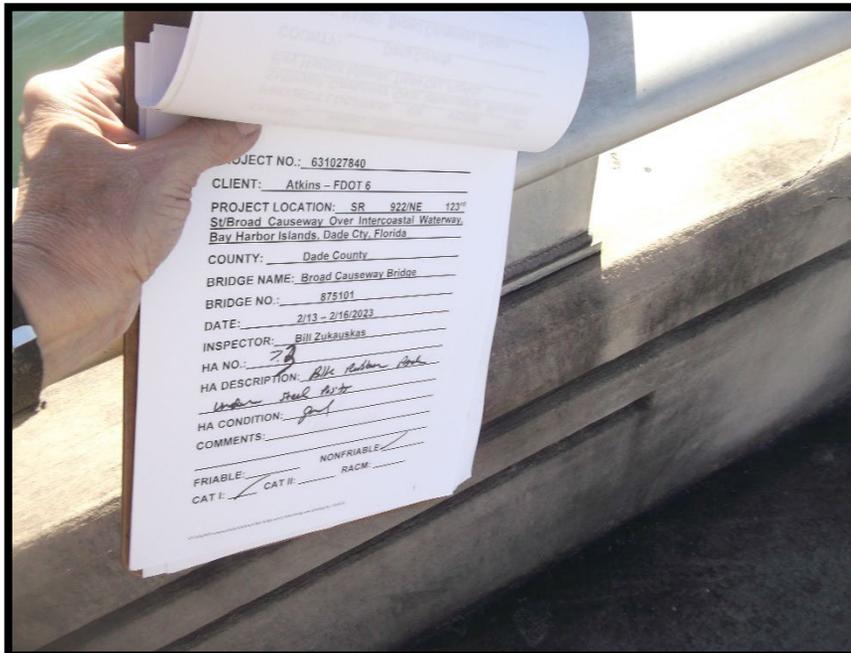
Photograph No: 24  
 Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 7.2 – Black Rubber Pads Under Steel Posts

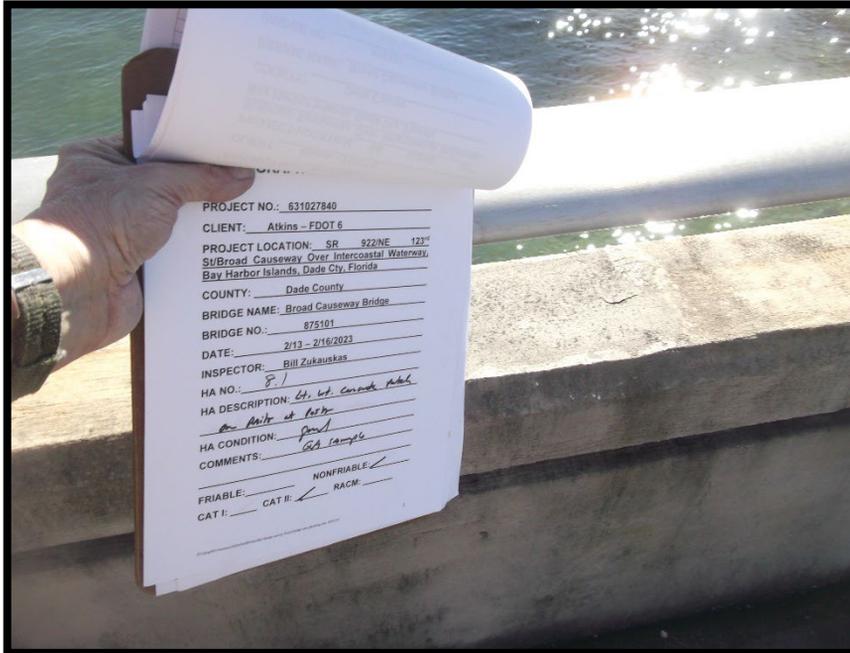
Photograph No: 25  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 7.3 – Black Rubber Pads Under Steel Posts

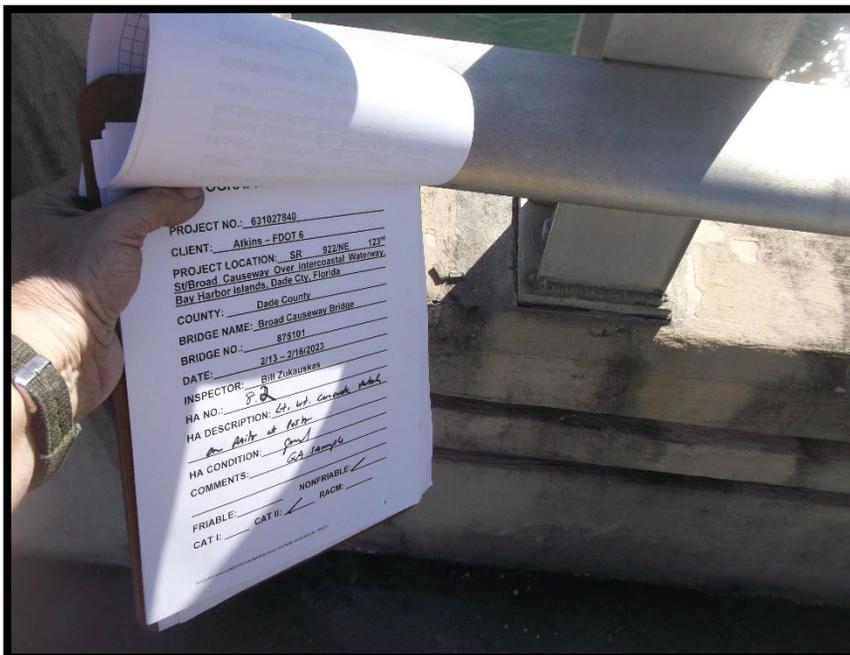
Photograph No: 26  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
 Bridge #875101  
 Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 8.1 – Light Weight Concrete Patch On Rails

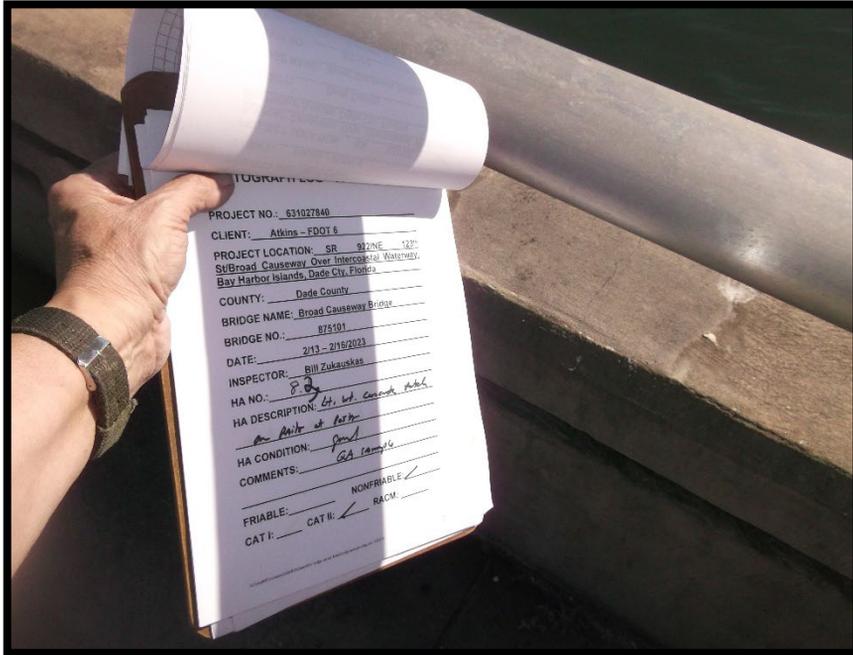
Photograph No: 27  
 Date: 2/14/2023



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: : HA 8.2 – Light Weight Concrete Patch On Rails

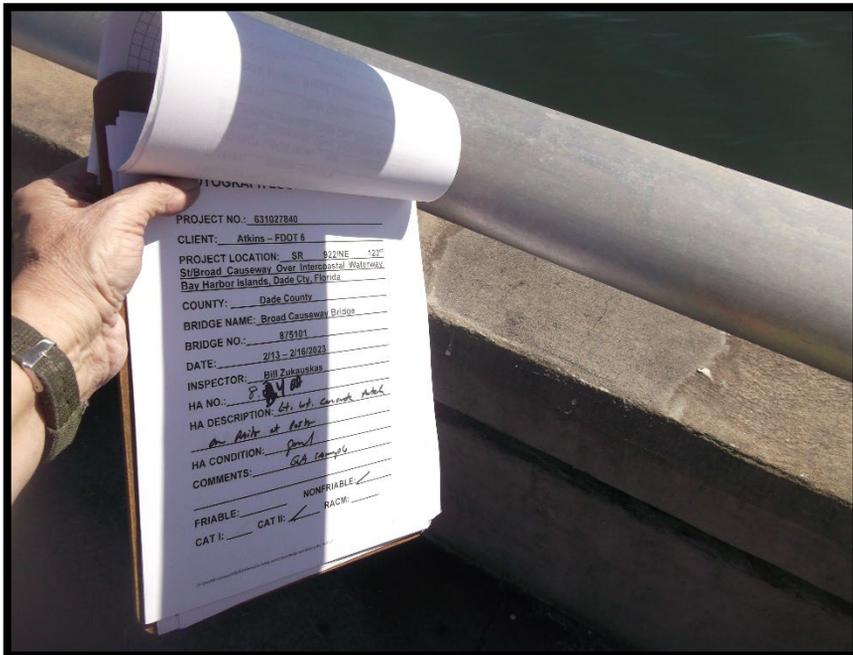
Photograph No: 28  
 Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View : HA 8.3 – Light Weight Concrete Patch On Rails

Photograph No: 29  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View : HA 8.4 QA/QC – Light Weight Concrete Patch On Rails

Photograph No: 30  
Date: 2/14/2023

# Broad Causeway Bridge over Intercoastal Waterway

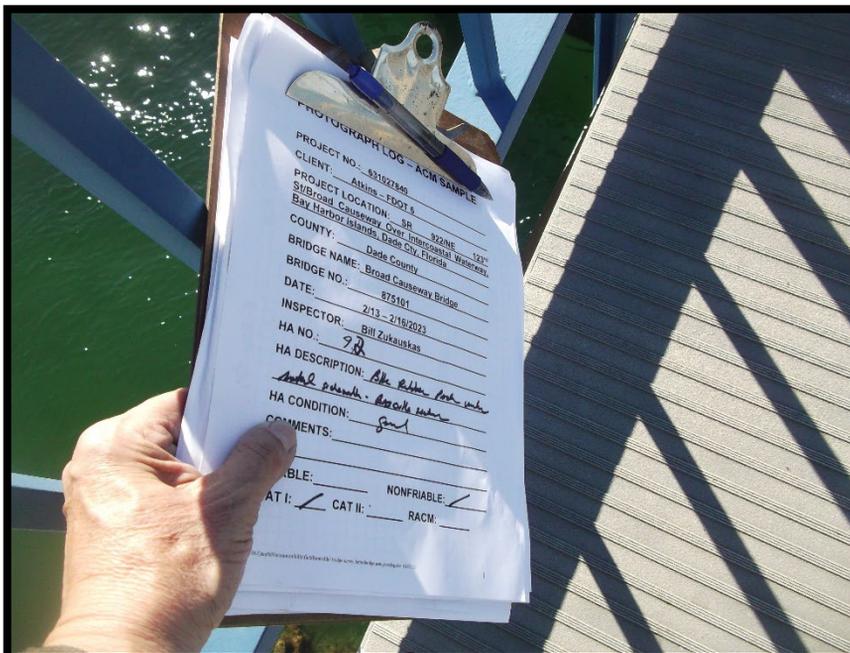
## Bridge #875101

### Dade County, Florida – Asbestos Photo Log



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 9.1 – Black Rubber Pads Under Metal Walkway

Photograph No: 31  
 Date: 2/14/2023



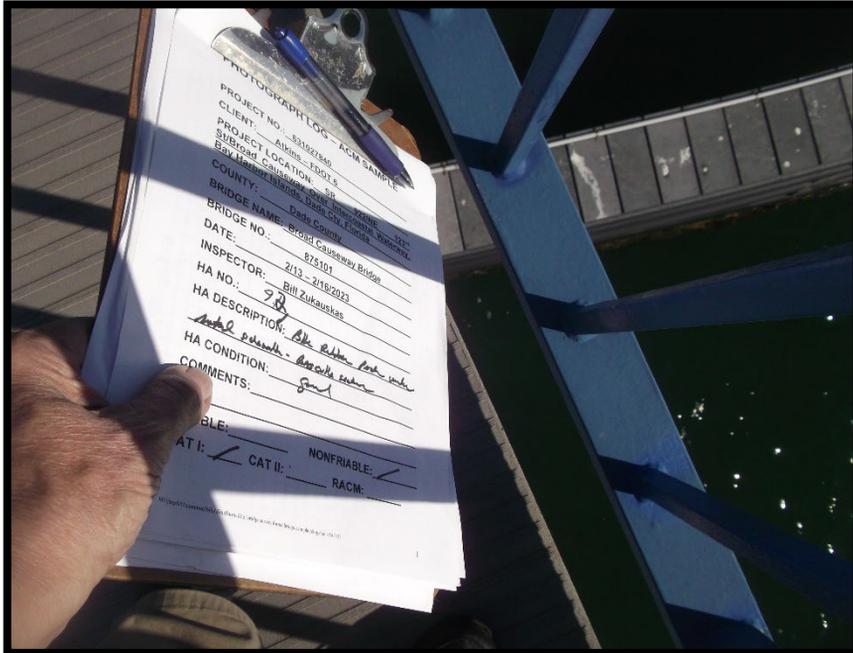
Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 9.2 – Black Rubber Pads Under Metal Walkway

Photograph No: 32  
 Date: 2/14/2023

# Broad Causeway Bridge over Intercoastal Waterway

## Bridge #875101

### Dade County, Florida – Asbestos Photo Log



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 9.3 – Black Rubber Pads Under Metal Walkway

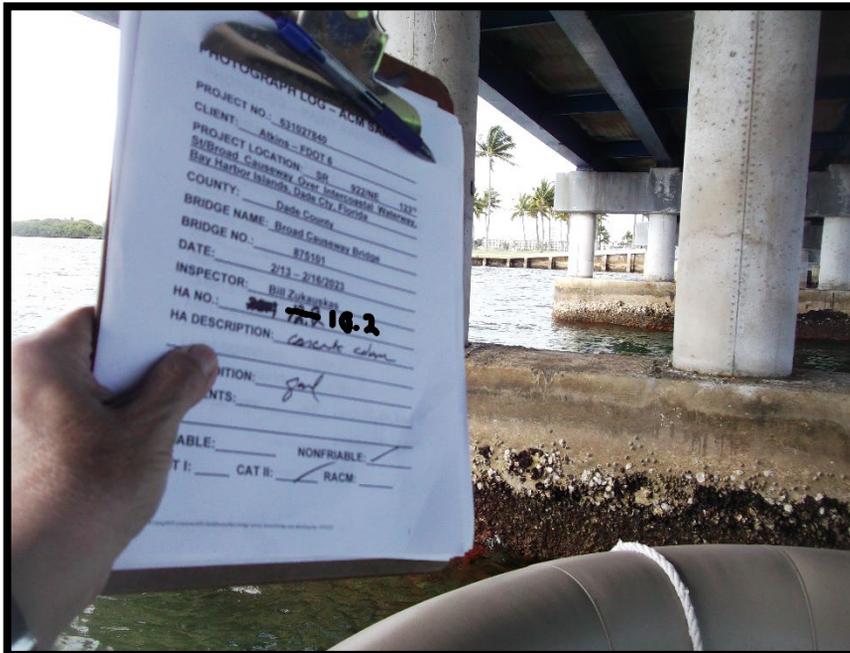
Photograph No: 33  
 Date: 2/14/2023



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 10.1 – Concrete Piers Under Bridge

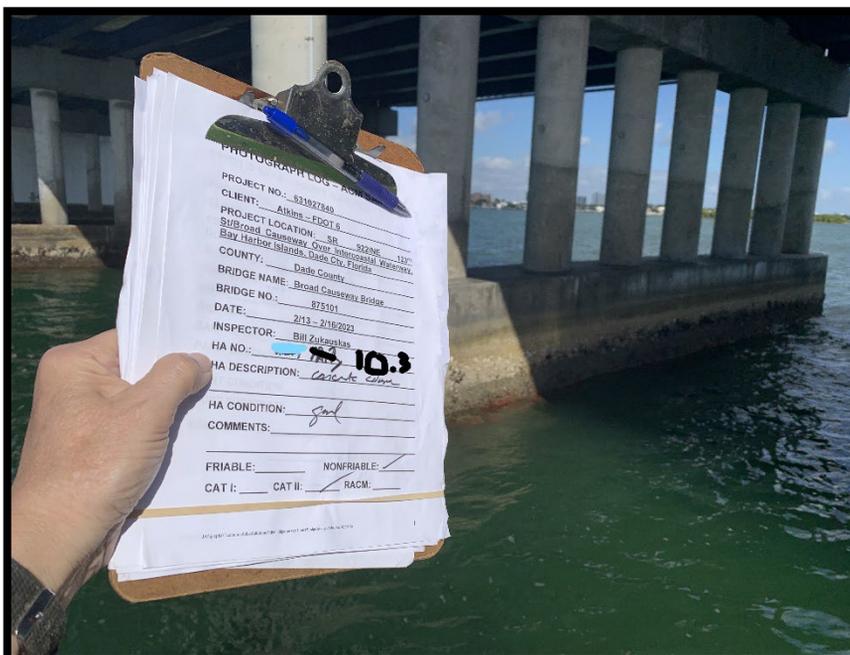
Photograph No: 34  
 Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 10.2 – Concrete Piers Under Bridge

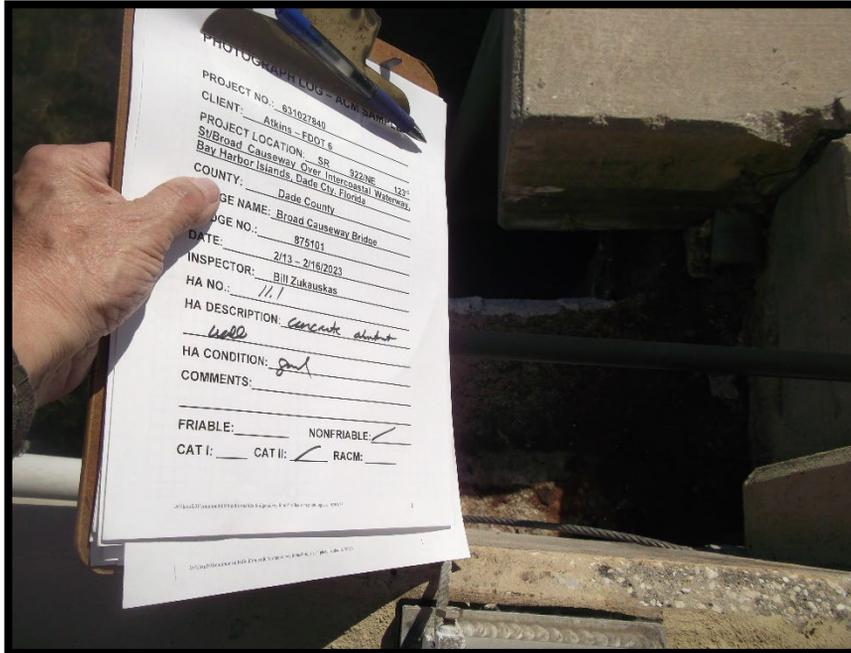
Photograph No: 35  
Date: 2/15/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 10.3 – Concrete Piers Under Bridge

Photograph No: 36  
Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 11.1 – Concrete Abutment Walls

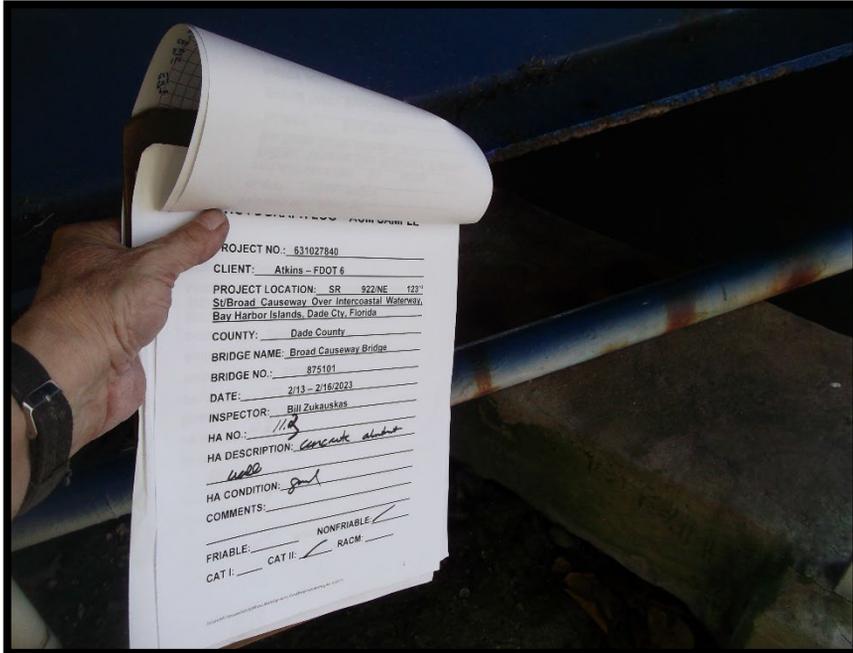
Photograph No: 37  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 11.2 – Concrete Abutment Walls

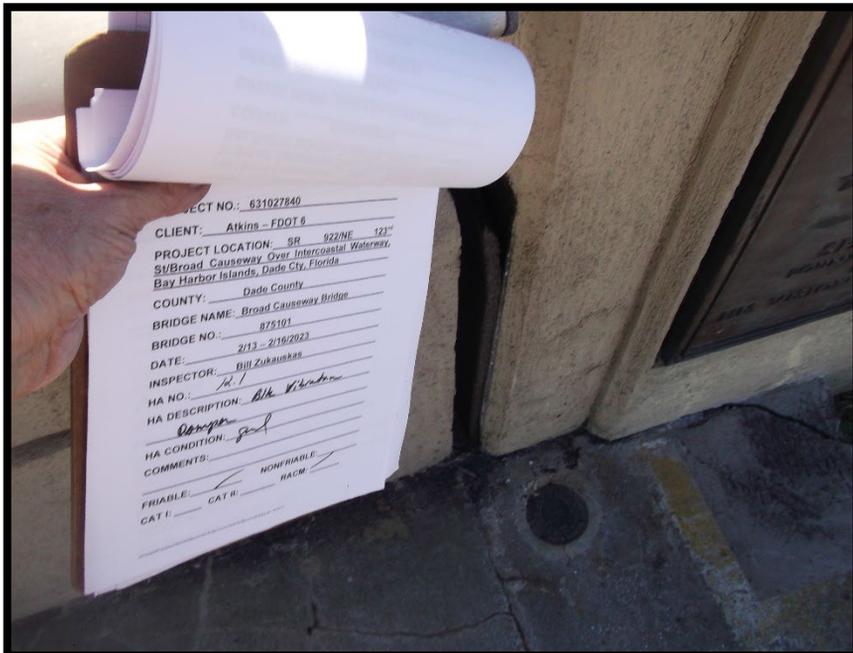
Photograph No: 38  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 11.3 – Concrete Abutment Walls

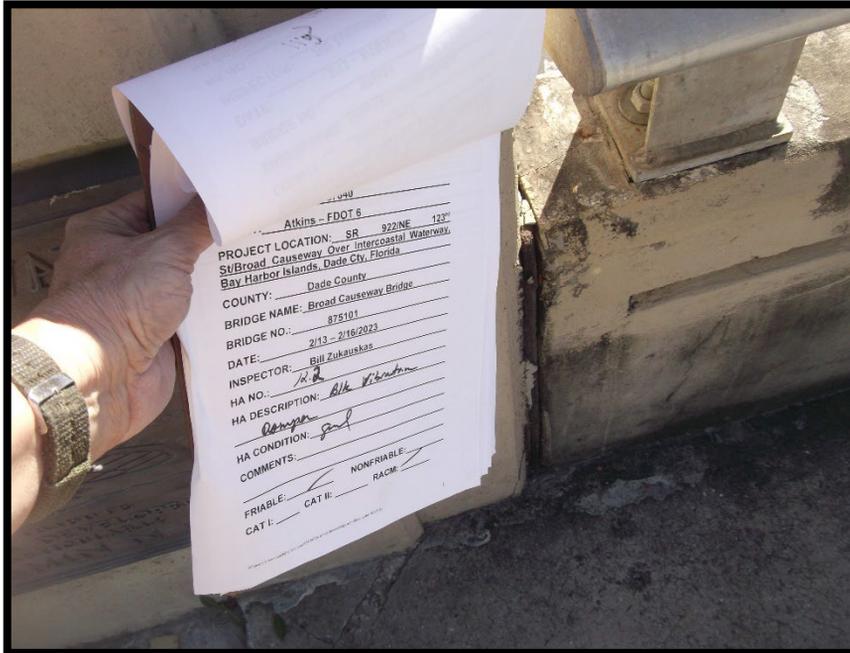
Photograph No: 39  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 12.1 – Black Vibration Damper

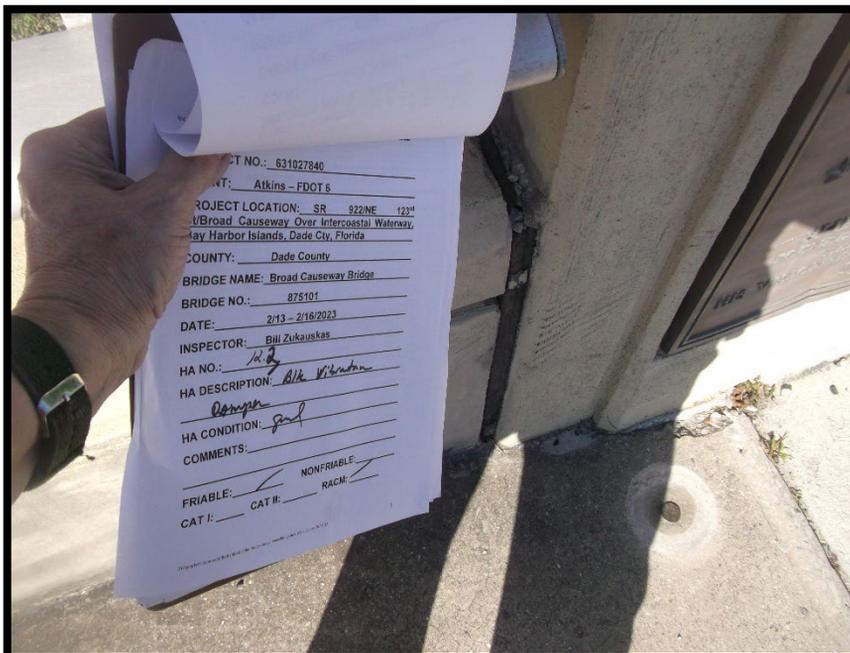
Photograph No: 40  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 12.2 – Black Vibration Damper

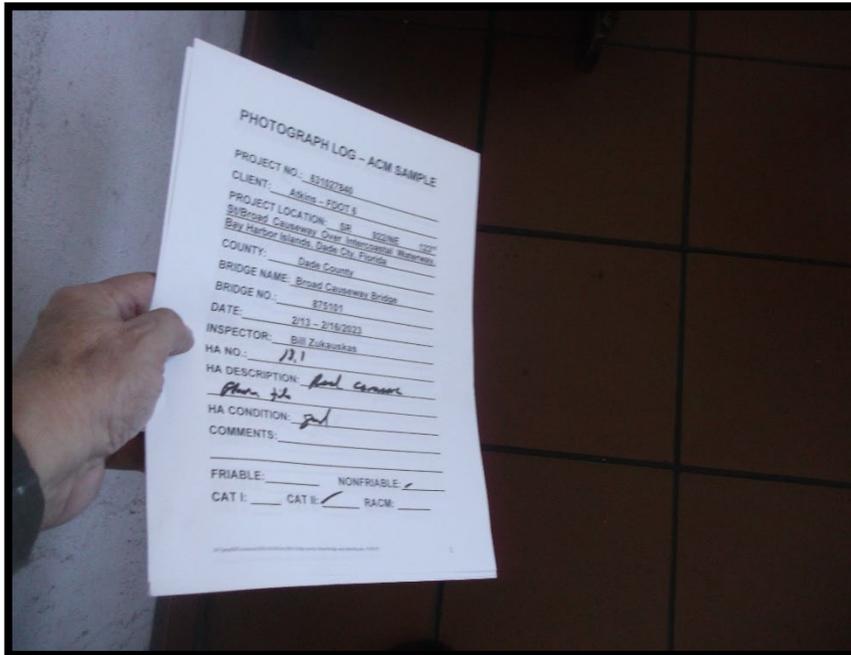
Photograph No: 41  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 12.3 – Black Vibration Damper

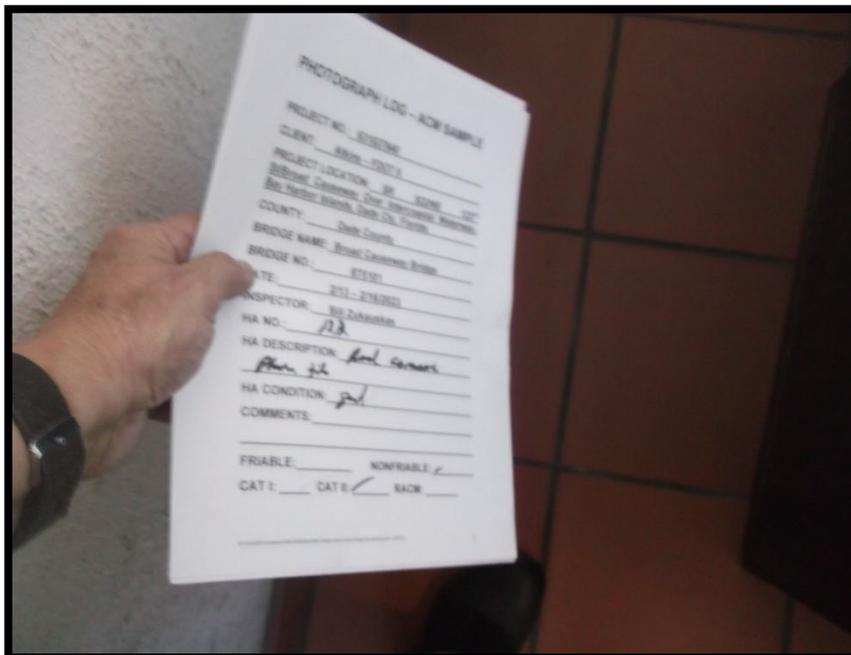
Photograph No: 42  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 13.1 – Red Ceramic Floor Tile – Tender House

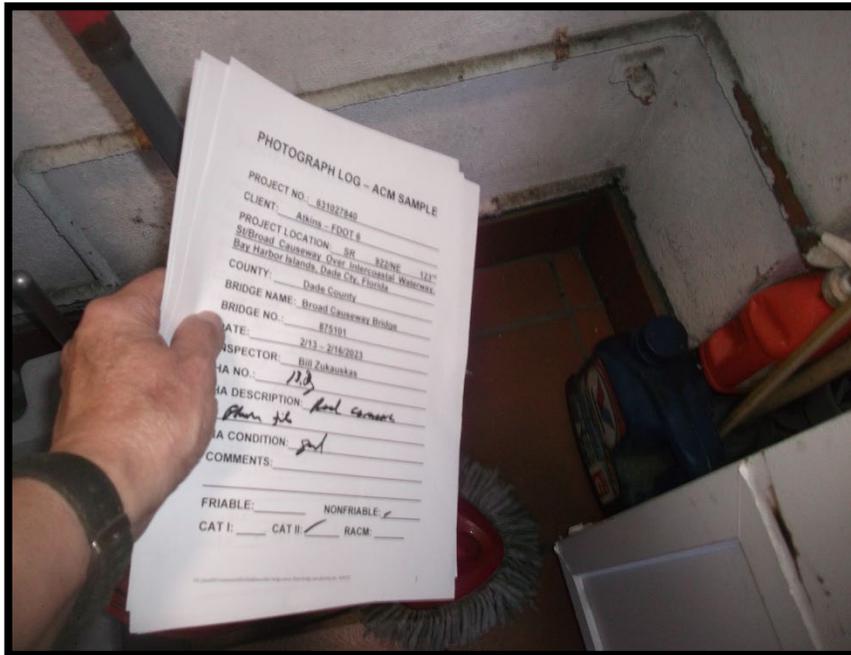
Photograph No: 43  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 13.2 – Red Ceramic Floor Tile – Tender House

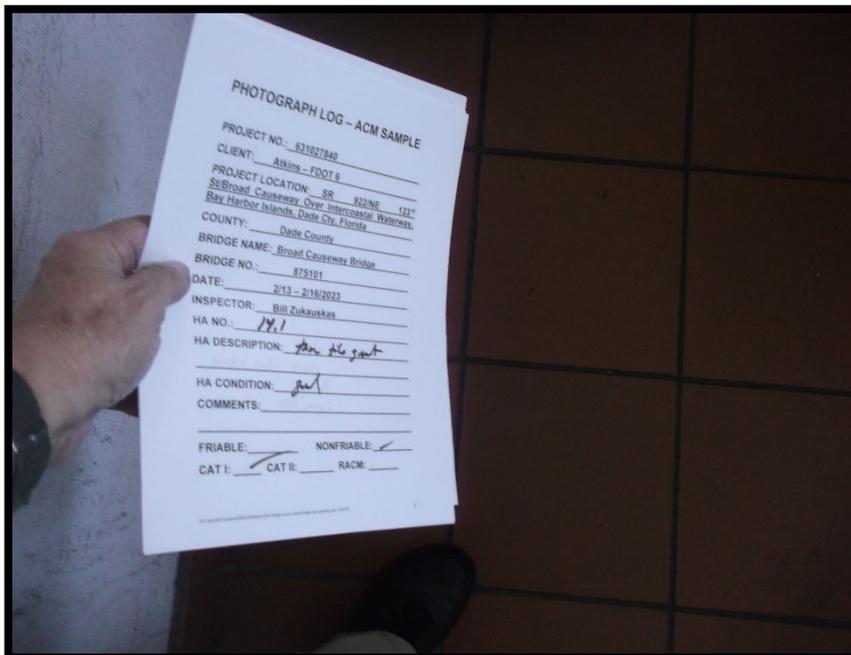
Photograph No: 44  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 13.3 – Red Ceramic Floor Tile – Tender House

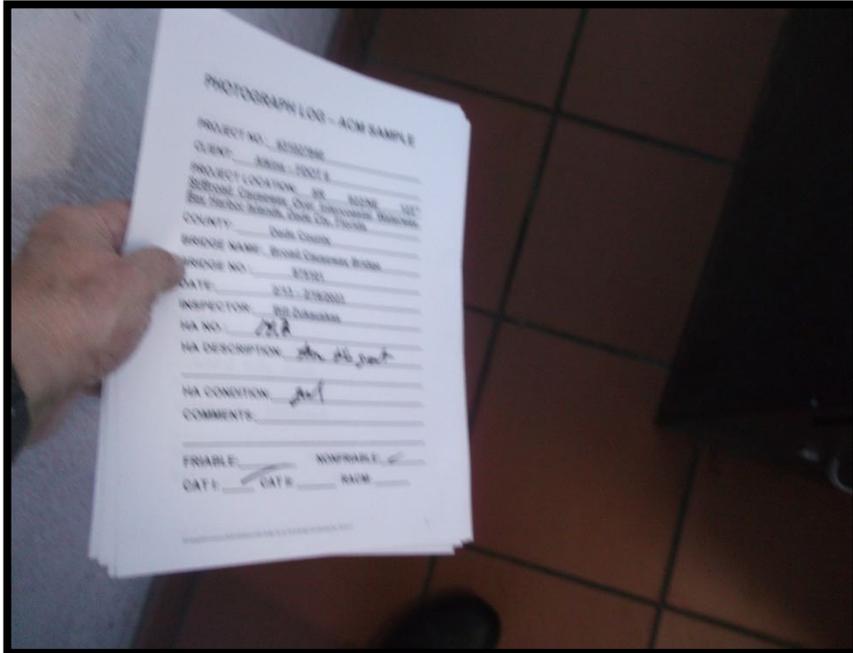
Photograph No: 45  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 14.1 – Brown Tile Grout – Tender House

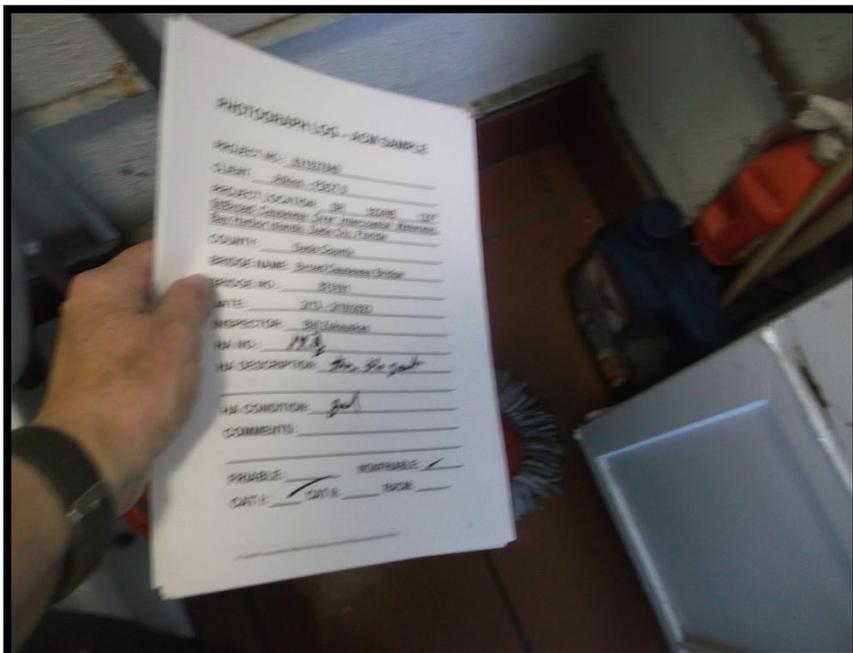
Photograph No: 46  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 14.2 – Brown Tile Grout – Tender House

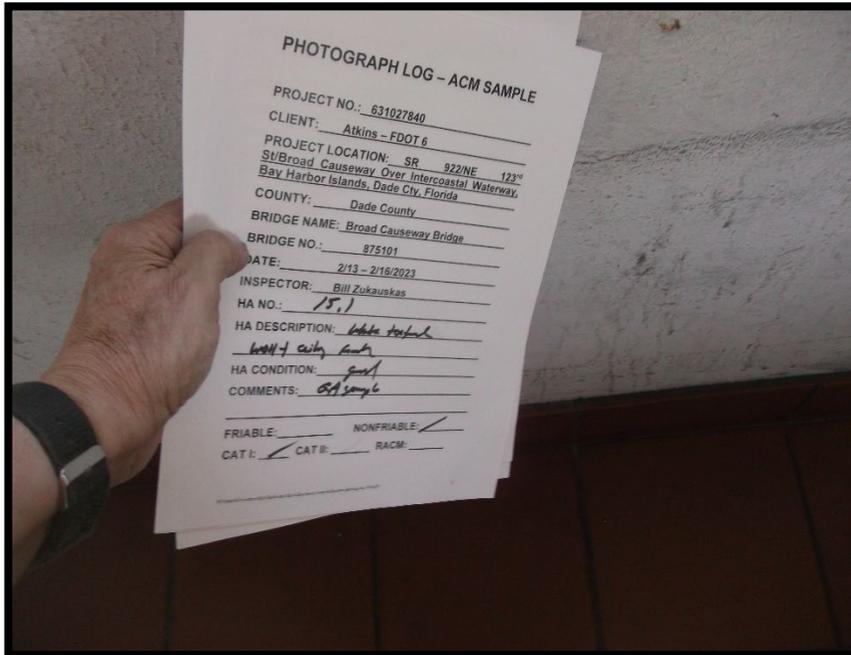
Photograph No: 47  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 14.3 – Brown Tile Grout – Tender House

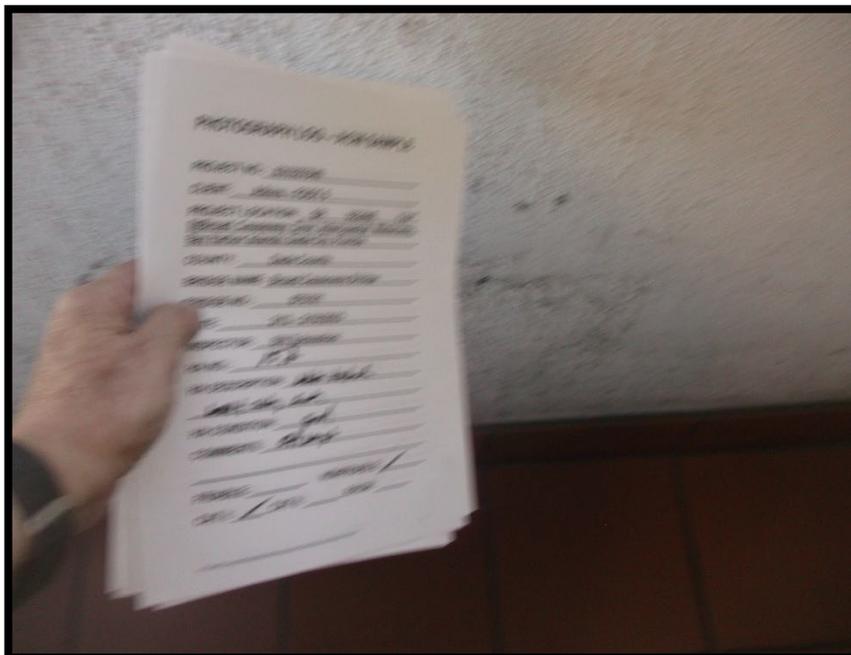
Photograph No: 48  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
 Bridge #875101  
 Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 15.1 – White Textured Wall & Ceiling Finish – Tender House

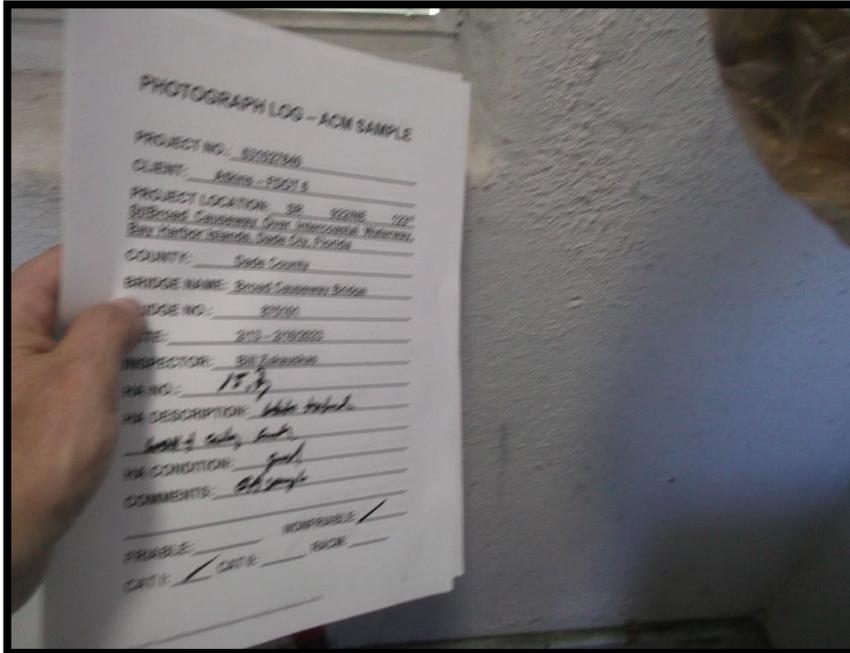
Photograph No: 49  
 Date: 2/14/2023



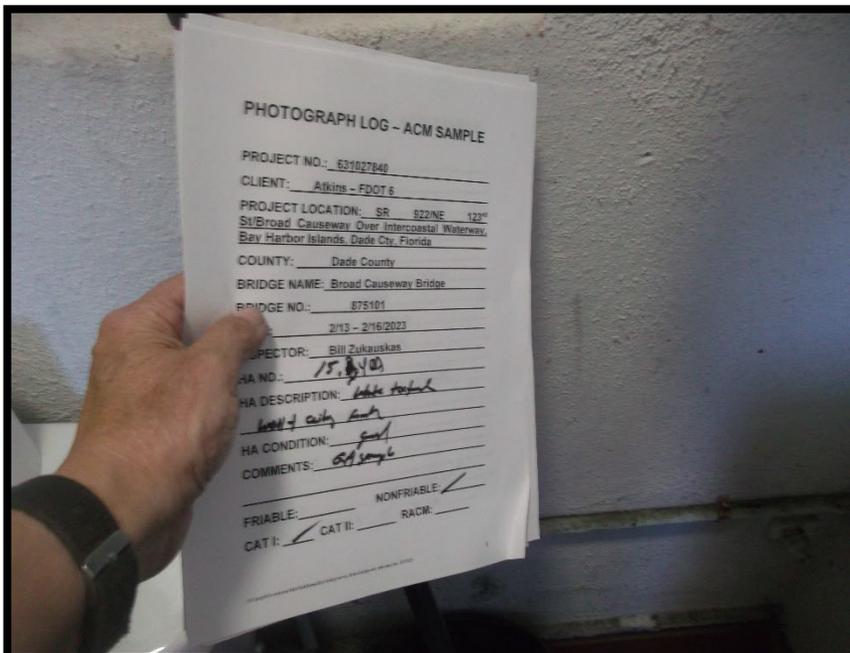
Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 15.2 – White Textured Wall & Ceiling Finish – Tender House

Photograph No: 50  
 Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
 Bridge #875101  
 Dade County, Florida – Asbestos Photo Log**

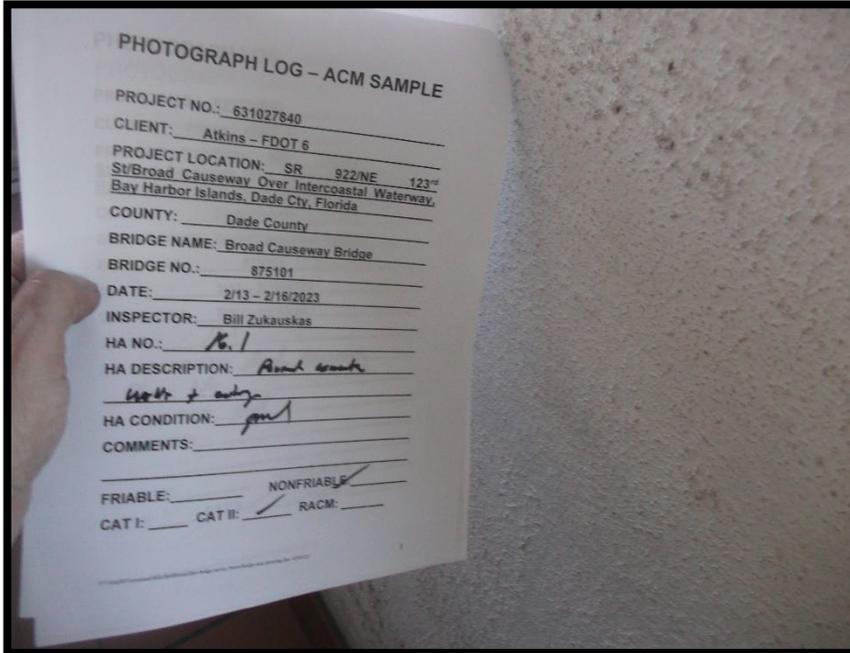


Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 15.3 – White Textured Wall & Ceiling Finish – Tender House



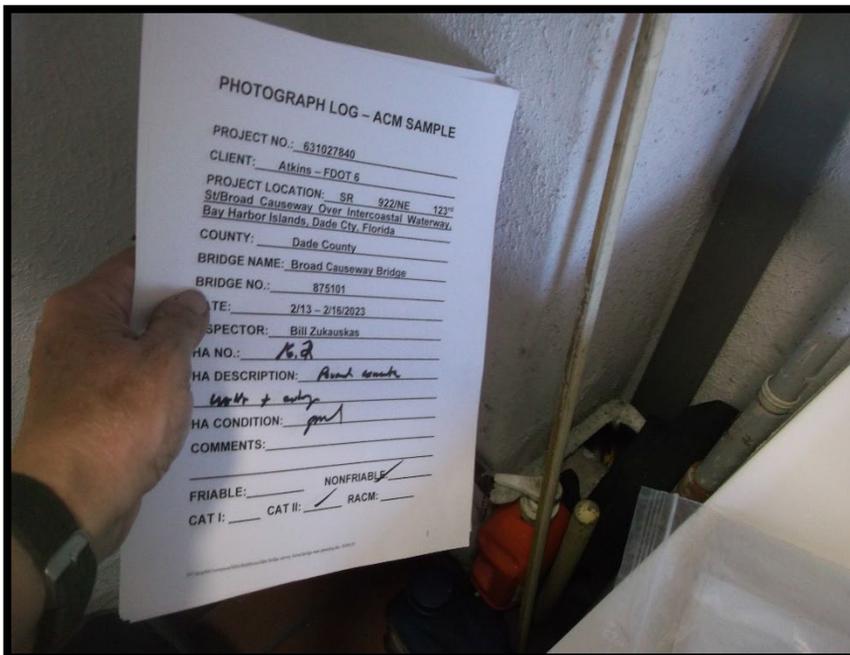
Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 15.4 QA/QC – White Textured Wall & Ceiling Finish – Tender House

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 16.1 – Poured Concrete Walls & Ceilings

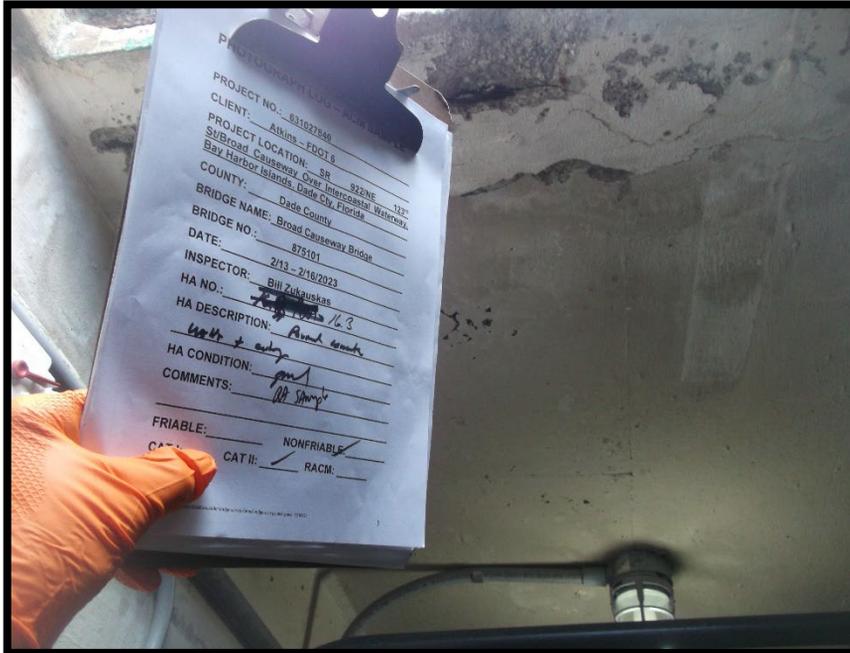
Photograph No: 53  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 16.2 – Poured Concrete Walls & Ceilings

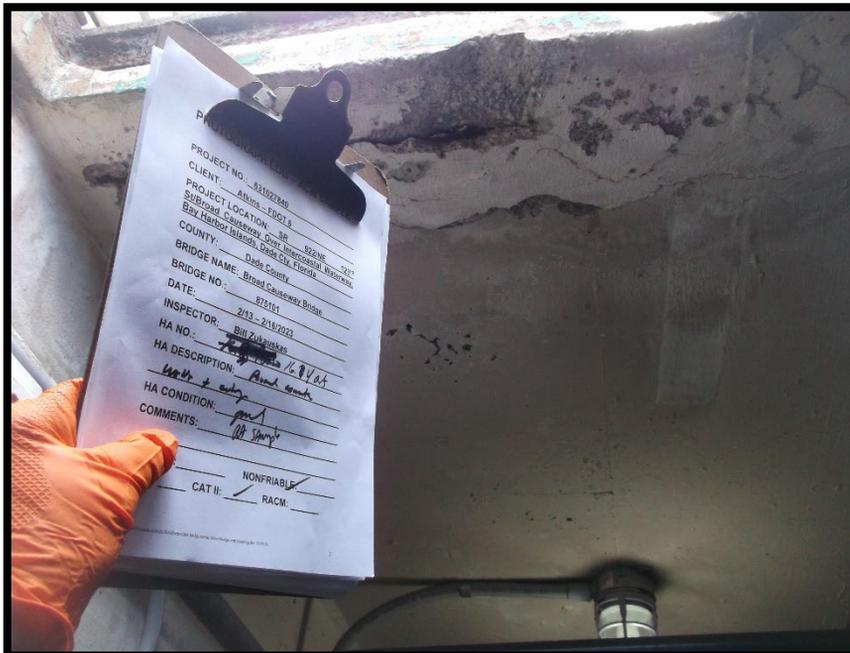
Photograph No: 54  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
 Bridge #875101  
 Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 16.3 – Poured Concrete Walls & Ceilings

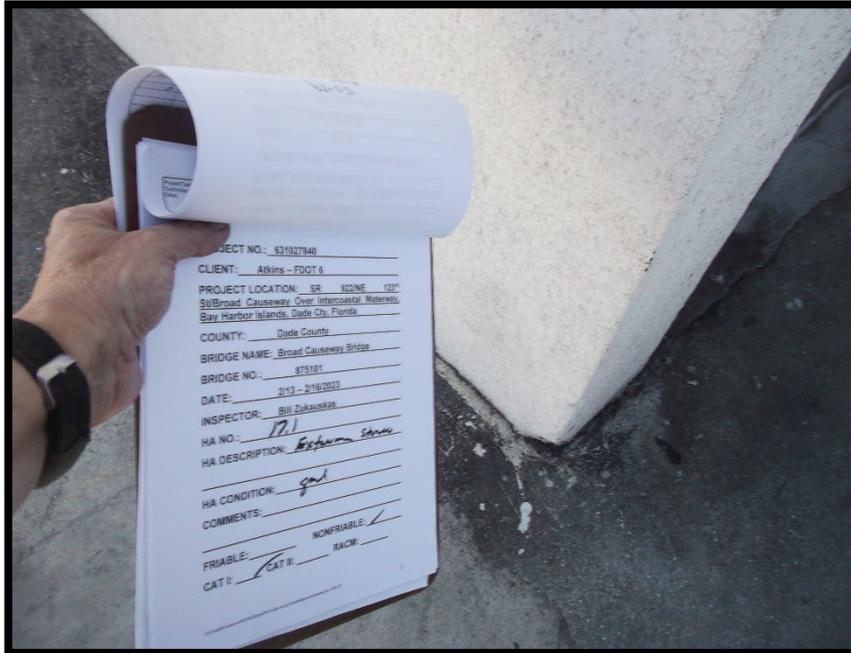
Photograph No: 55  
 Date: 2/15/2023



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 16.4 QA/QC – Poured Concrete Walls & Ceilings

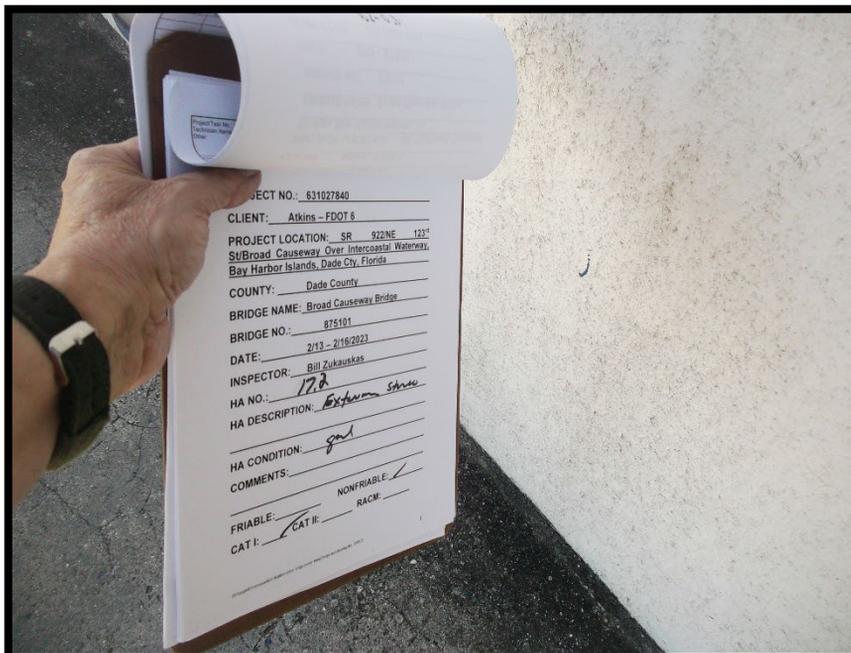
Photograph No: 56  
 Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 17.1 – Exterior Wall Stucco

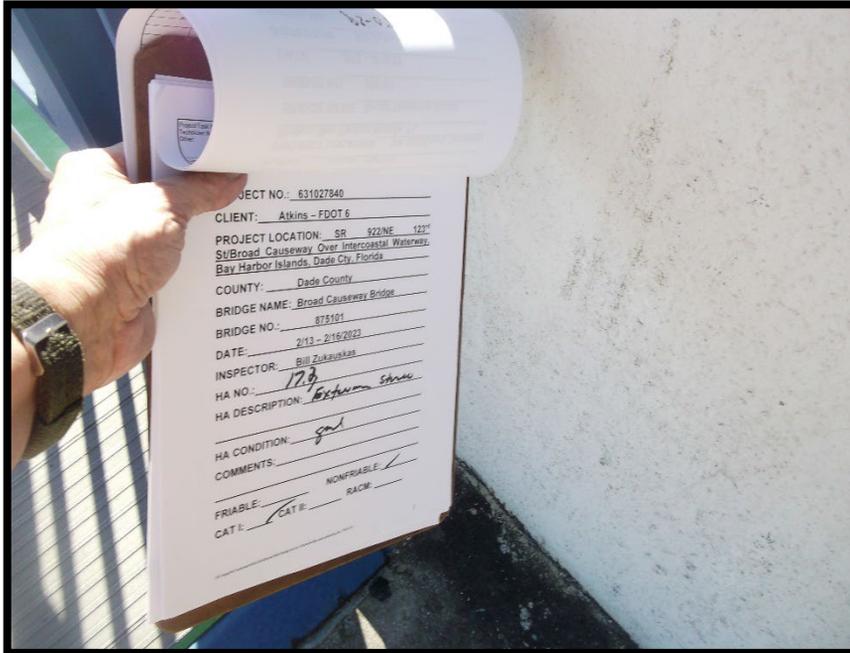
Photograph No: 57  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 17.2 – Exterior Wall Stucco

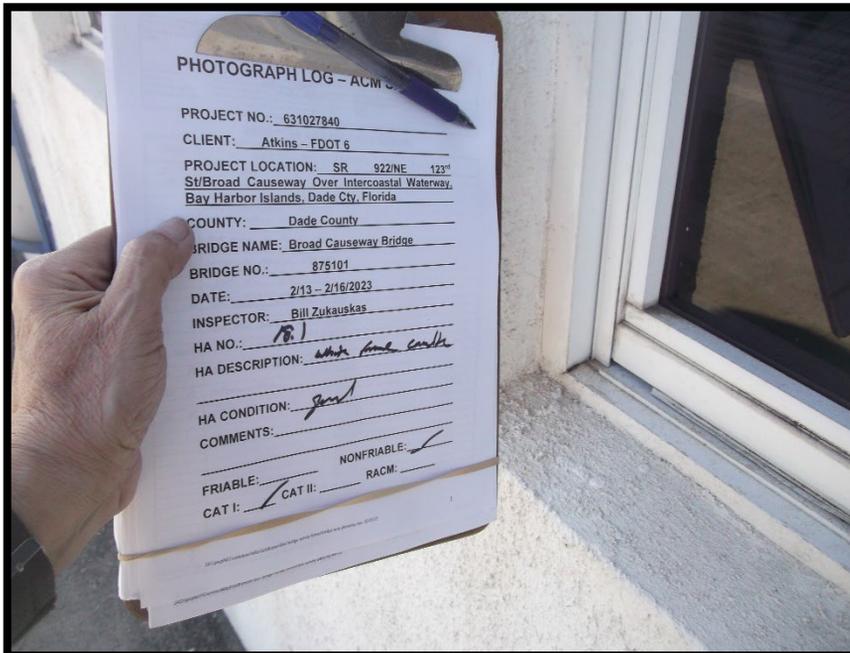
Photograph No: 58  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 17.3 – Exterior Wall Stucco

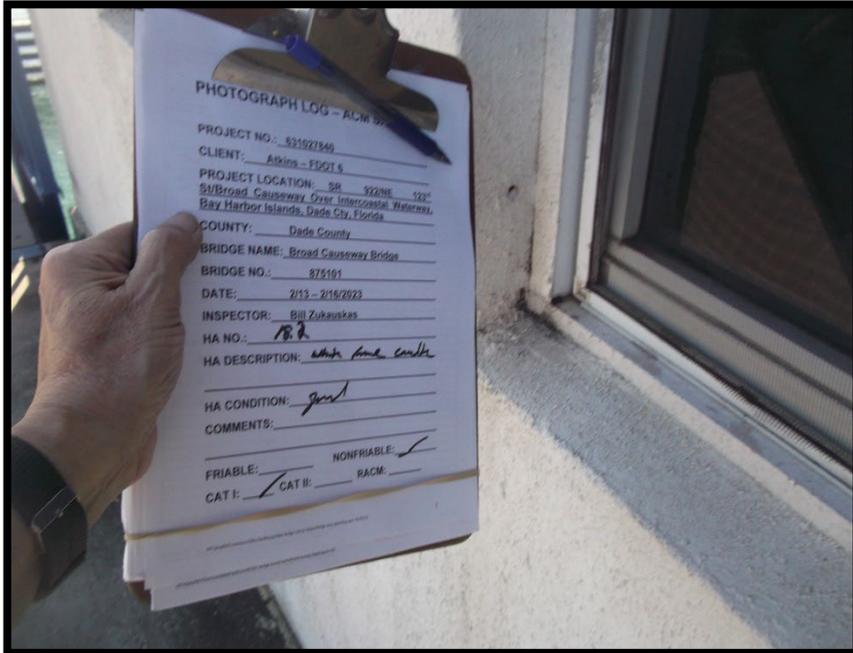
Photograph No: 59  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 18.1 – White Door & Window Frame Caulk

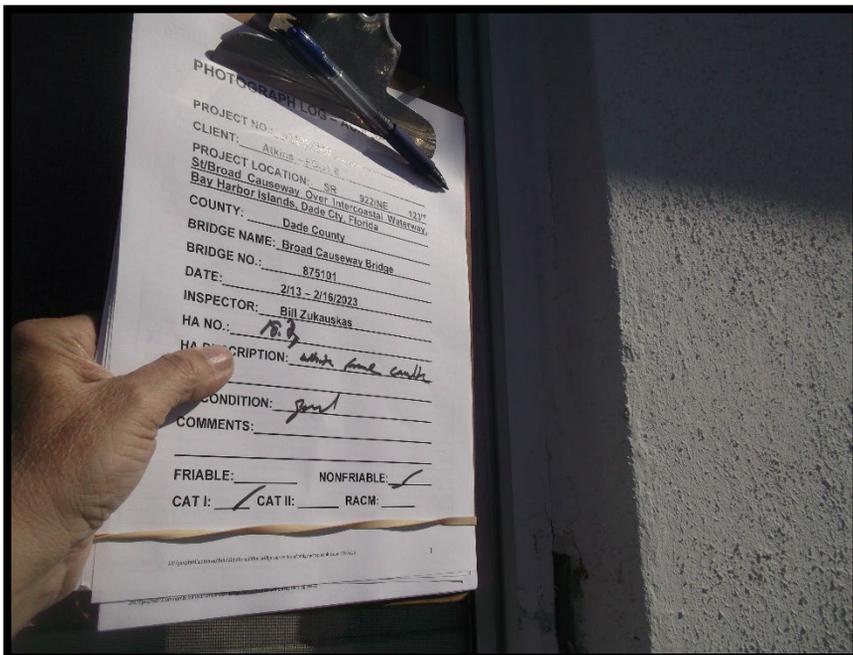
Photograph No: 60  
Date: 2/14/2023

# Broad Causeway Bridge over Intercoastal Waterway Bridge #875101 Dade County, Florida – Asbestos Photo Log



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 18.2 – White Door & Window Frame Caulk

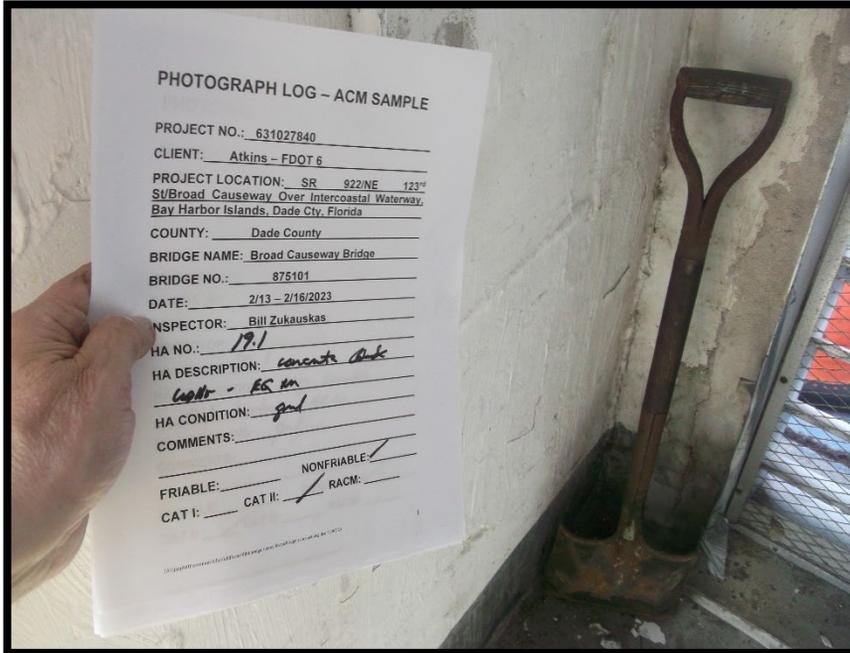
Photograph No: 61  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 18.3 – White Door & Window Frame Caulk

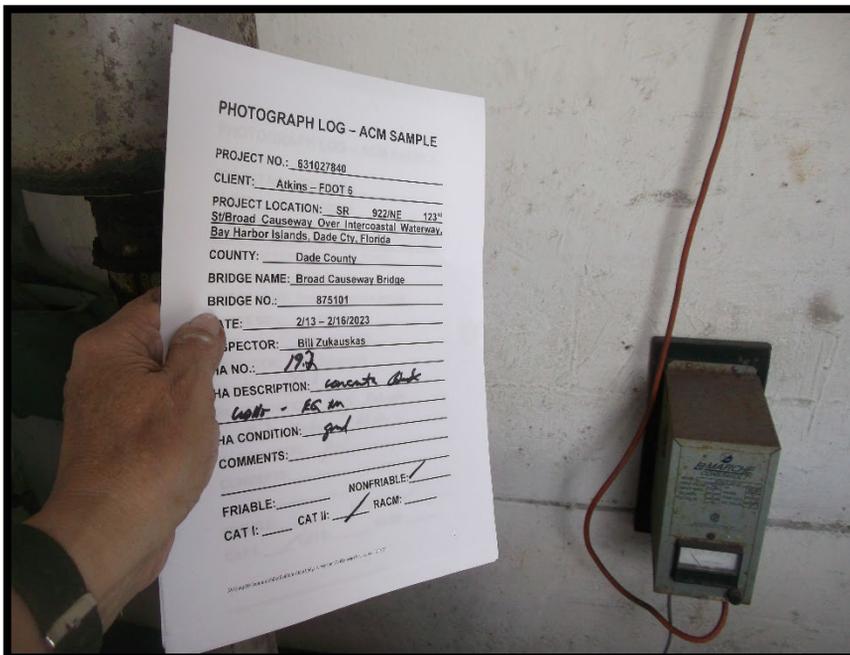
Photograph No: 62  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
 Bridge #875101  
 Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 19.1 – Concrete Block Walls

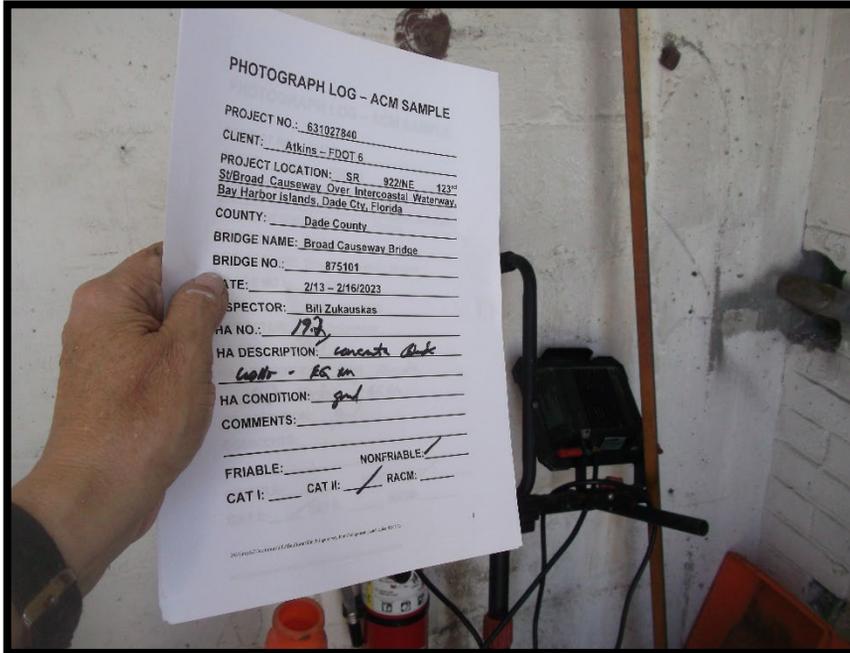
Photograph No: 63  
 Date: 2/14/2023



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 19.2 – Concrete Block Walls

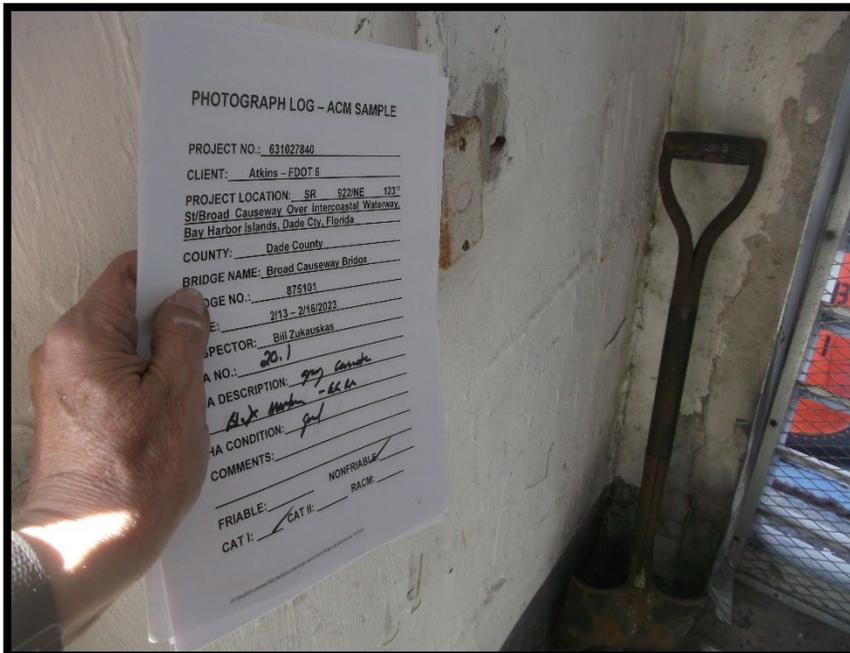
Photograph No: 64  
 Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
 Bridge #875101  
 Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 19.3 – Concrete Block Walls

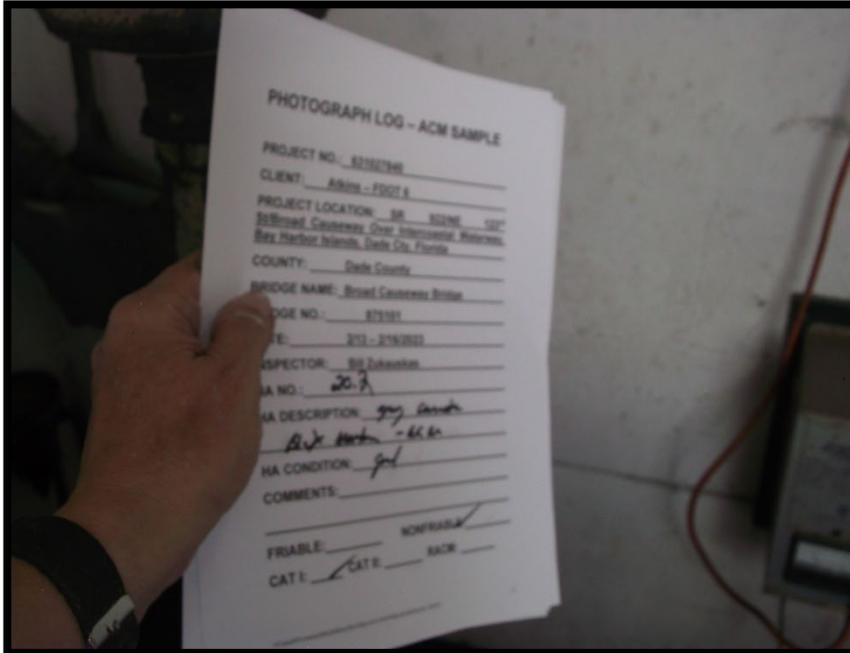
Photograph No: 65  
 Date: 2/14/2023



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 20.1 – Concrete Block Mortar

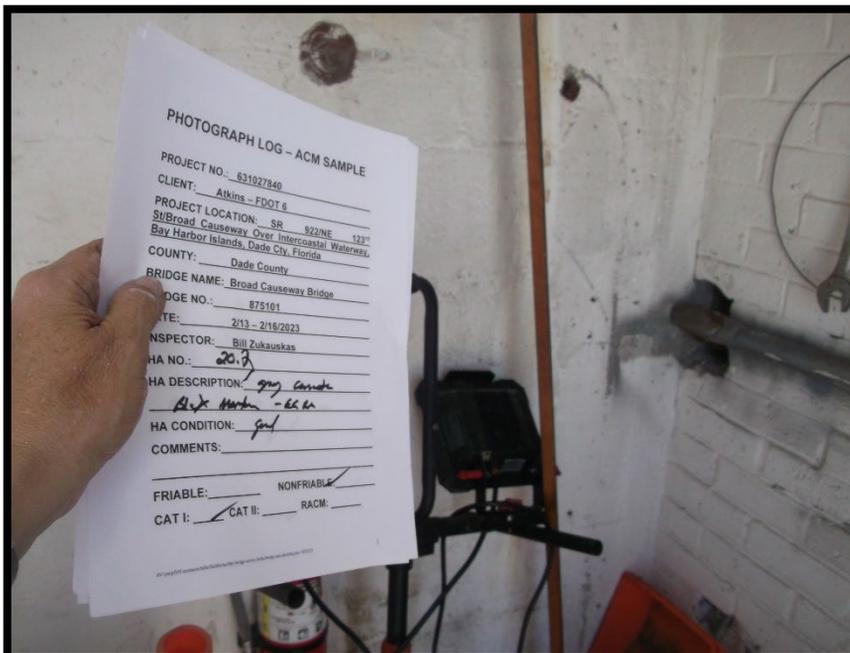
Photograph No: 66  
 Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 20.2 – Concrete Block Mortar

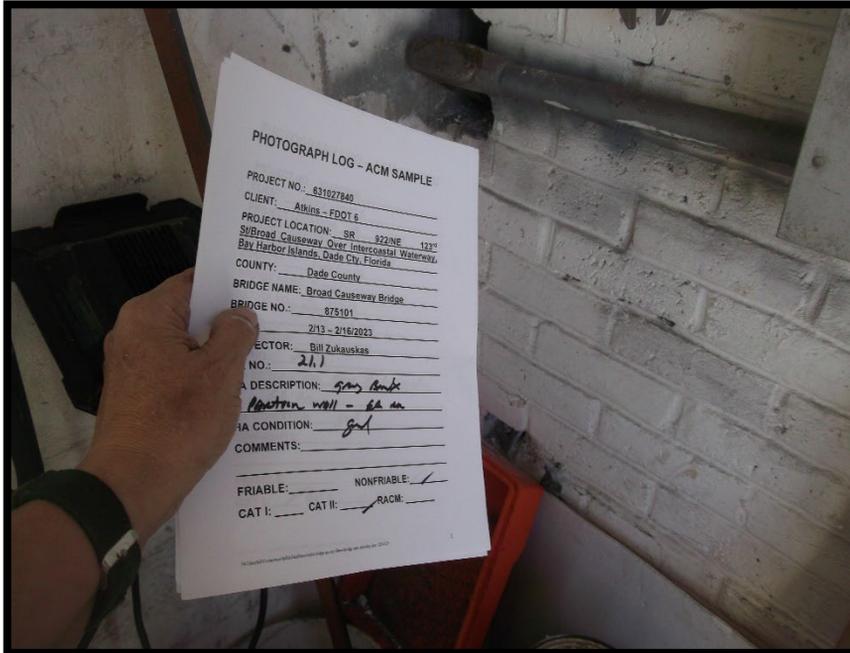
Photograph No: 67  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 20.3 – Concrete Block Mortar

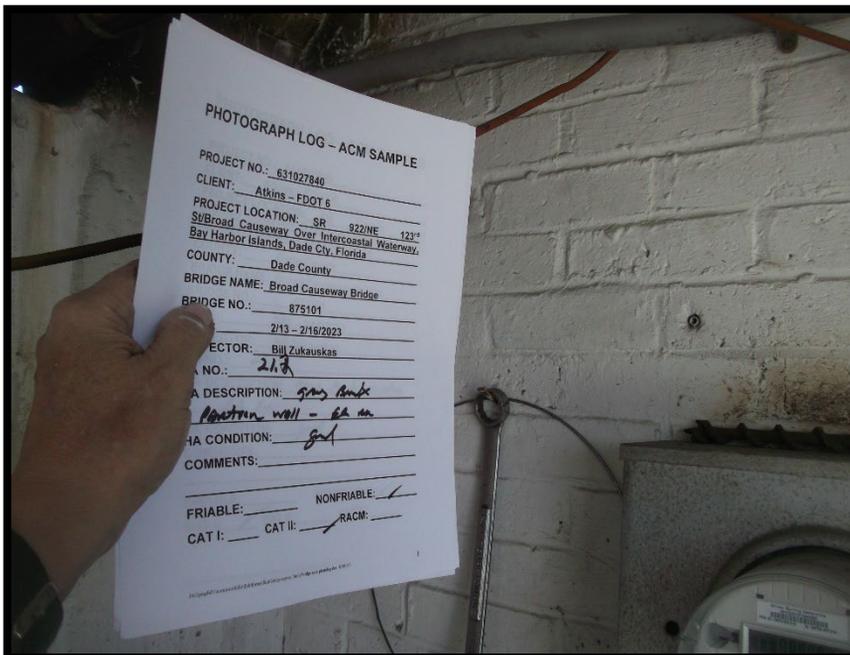
Photograph No: 68  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 21.1 – Gray Bricks – Equipment Building Partition Wall

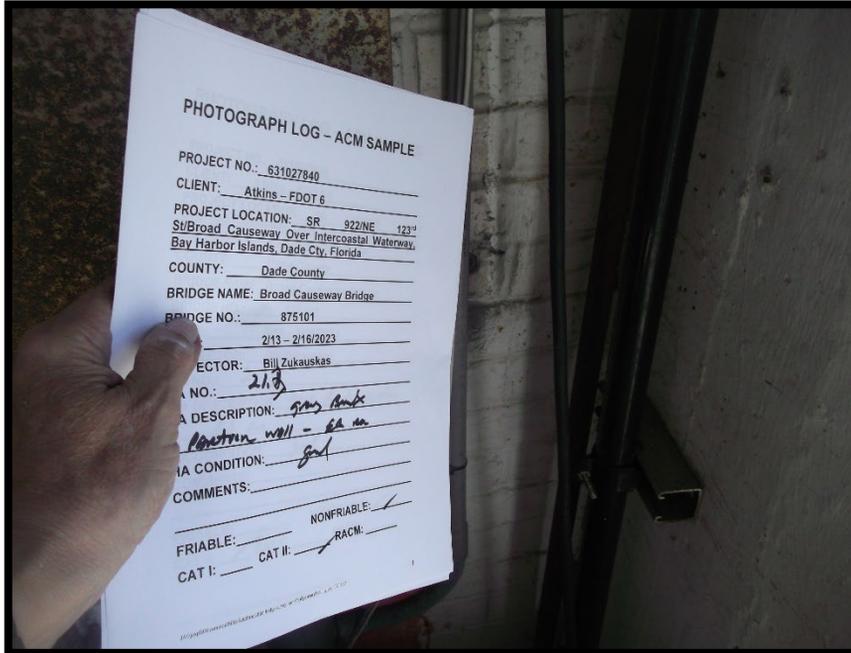
Photograph No: 69  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 21.2 – Gray Bricks – Equipment Building Partition Wall

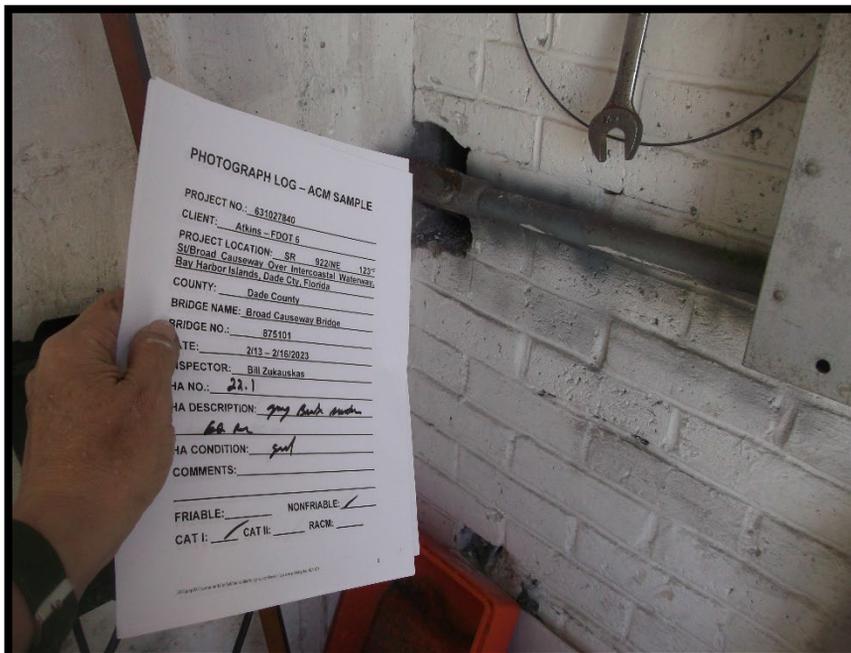
Photograph No: 70  
Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
 Bridge #875101  
 Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 21.3 – Gray Bricks – Equipment Building Partition Wall

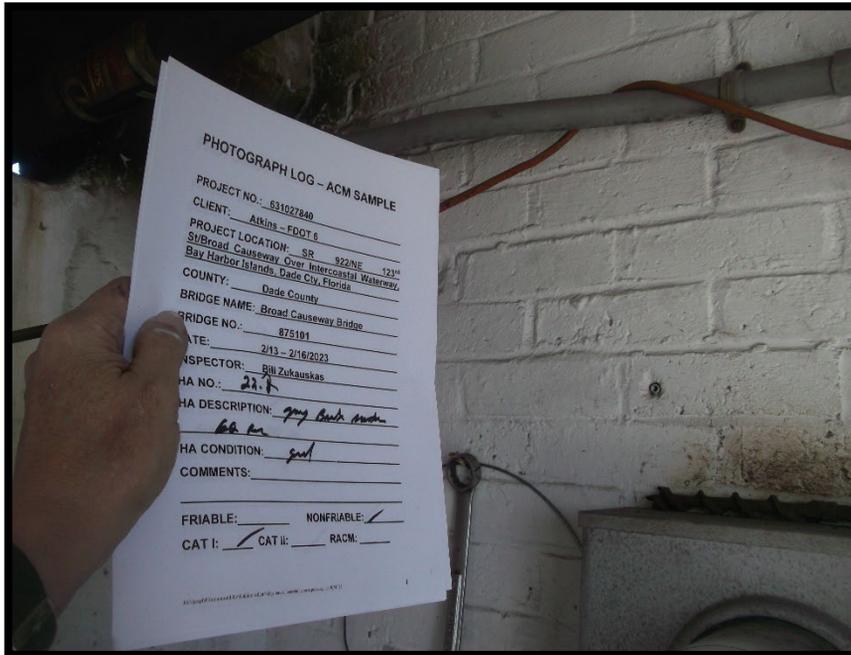
Photograph No: 71  
 Date: 2/14/2023



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: HA 22.1 – Gray Brick Mortar – Equipment Building Partition Wall

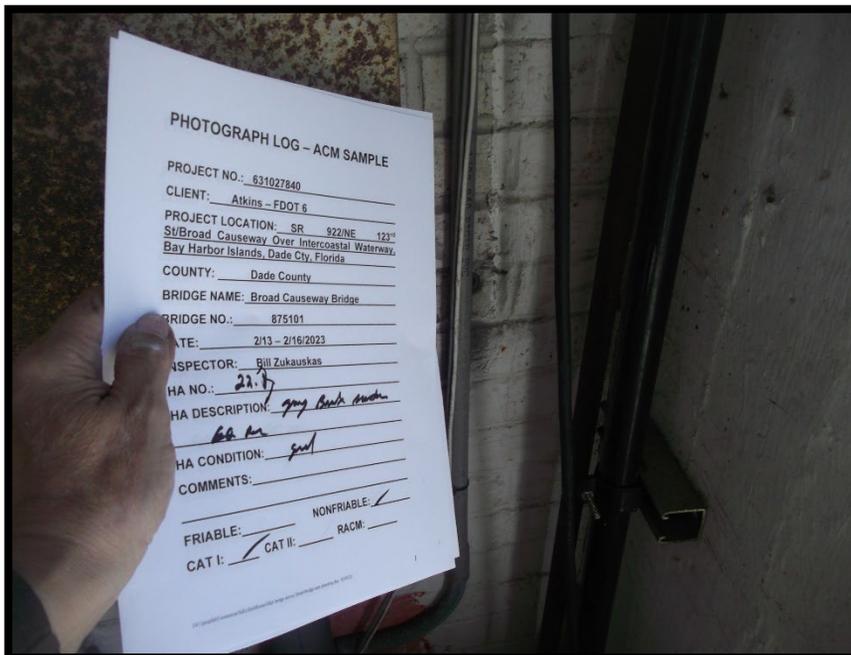
Photograph No: 72  
 Date: 2/14/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Asbestos Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 22.2 – Gray Brick Mortar – Equipment Building Partition Wall

Photograph No: 73  
Date: 2/14/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: HA 22.3 – Gray Brick Mortar – Equipment Building Partition Wall

Photograph No: 74  
Date: 2/14/2023

**SECTION 4**

**LABORATORY ANALYTICAL DATA  
AND CHAIN OF CUSTODY FORM(S)**



# EMSL Analytical, Inc.

3303 PARKWAY CENTER COURT Orlando, FL 32808

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EMSL Order: 342304427

Customer ID: SHAE77

Customer PO: 631027840

Project ID:

**Attention:** Bill Zukauskas  
 APTIM Environmental & Infrastructure  
 9143 Phillips Highway  
 Suite 400  
 Jacksonville, FL 32256  
**Project:** Atkins- FDOT 6 Bridge 875101 -631027840

**Phone:** (904) 509-9662  
**Fax:** (904) 636-9356  
**Received Date:** 02/20/2023 9:54 AM  
**Analysis Date:** 02/26/2023 - 02/27/2023  
**Collected Date:** 02/16/2023

**Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E  
 Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
875101-1.1 342304427-0001	Concrete Deck	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-1.2 342304427-0002	Concrete Deck	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-1.3 342304427-0003	Concrete Deck	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-2.1 342304427-0004	Concrete Sidewalk	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-2.2 342304427-0005	Concrete Sidewalk	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-2.3 342304427-0006	Concrete Sidewalk	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-3.1 342304427-0007	Concrete Rail	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-3.2 342304427-0008	Concrete Rail	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-3.3 342304427-0009	Concrete Rail	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-4.1 342304427-0010	Gray Expansion Joint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-4.2 342304427-0011	Gray Expansion Joint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-4.3 342304427-0012	Gray Expansion Joint	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-5.1 342304427-0013	Blk Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-5.2 342304427-0014	Blk Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-5.3 342304427-0015	Blk Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-6.1 342304427-0016	Tan Class V Coating	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/27/2023 11:46:08



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**EMSL Order:** 342304427  
**Customer ID:** SHAE77  
**Customer PO:** 631027840  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
875101-6.2 342304427-0017	Tan Class V Coating	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-6.3 342304427-0018	Tan Class V Coating	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-7.1 342304427-0019	Blk Rubber Packs- Posts	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-7.2 342304427-0020	Blk Rubber Packs- Posts	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-7.3 342304427-0021	Blk Rubber Packs- Posts	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-8.1 342304427-0022	Lt. Wt Cement Patch	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-8.2 342304427-0023	Lt. Wt Cement Patch	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-8.3 342304427-0024	Lt. Wt Cement Patch	Gray Non-Fibrous Homogeneous		10% Quartz 15% Ca Carbonate 75% Non-fibrous (Other)	None Detected
875101-9.1 342304427-0025	Blk Rubber Pads-Sidewalk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-9.2 342304427-0026	Blk Rubber Pads-Sidewalk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-9.3 342304427-0027	Blk Rubber Pads-Sidewalk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-10.1 342304427-0028	Concrete Column & Caps	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-10.2 342304427-0029	Concrete Column & Caps	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-10.3 342304427-0030	Concrete Column & Caps	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-11.1 342304427-0031	Concrete - Abatement	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-11.2 342304427-0032	Concrete - Abatement	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-11.3 342304427-0033	Concrete - Abatement	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-12.1 342304427-0034	Blk Vibration Damper	Black Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
875101-12.2 342304427-0035	Blk Vibration Damper	Black Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected

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**EMSL Order:** 342304427  
**Customer ID:** SHAE77  
**Customer PO:** 631027840  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
875101-12.3 342304427-0036	Blk Vibration Damper	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
875101-13.1-Ceramic Tile 342304427-0037	Red Ceramic Floor Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-13.1-Thinset 342304427-0037A	Red Ceramic Floor Tile	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
875101-13.2-Ceramic Tile 342304427-0038	Red Ceramic Floor Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-13.2-Thinset 342304427-0038A	Red Ceramic Floor Tile	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
875101-13.3-Ceramic Tile 342304427-0039	Red Ceramic Floor Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-13.3-Thinset 342304427-0039A	Red Ceramic Floor Tile	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
875101-14.1 342304427-0040	Brown Tile Grout	Brown Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-14.2 342304427-0041	Brown Tile Grout	Brown Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-14.3 342304427-0042	Brown Tile Grout	Black Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-15.1 342304427-0043	White Textured Wall Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-15.2 342304427-0044	White Textured Wall Finish	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-15.3 342304427-0045	White Textured Wall Finish	White/Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-16.1 342304427-0046	Poured Concrete	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-16.2 342304427-0047	Poured Concrete	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-16.3 342304427-0048	Poured Concrete	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-17.1 342304427-0049	Exterior Stucco	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-17.2 342304427-0050	Exterior Stucco	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected

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**Customer ID:** SHAE77  
**Customer PO:** 631027840  
**Project ID:**

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
875101-17.3 342304427-0051	Exterior Stucco	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-18.1 342304427-0052	White Frame Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-18.2 342304427-0053	White Frame Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-18.3 342304427-0054	White Frame Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
875101-19.1 342304427-0055	Concrete Block	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-19.2 342304427-0056	Concrete Block	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-19.3 342304427-0057	Concrete Block	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-20.1 342304427-0058	Concrete Block Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-20.2 342304427-0059	Concrete Block Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-20.3 342304427-0060	Concrete Block Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-21.1 342304427-0061	Gray Brick	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-21.2 342304427-0062	Gray Brick	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-21.3 342304427-0063	Gray Brick	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-22.1 342304427-0064	Gray Brick Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-22.2 342304427-0065	Gray Brick Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
875101-22.3 342304427-0066	Gray Brick Mortar	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected

Initial report from: 02/27/2023 11:46:08



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**EMSL Order:** 342304427

**Customer ID:** SHAE77

**Customer PO:** 631027840

**Project ID:**

Analyst(s)

*Jason Stuhr (46)*

*Laura Vera (23)*

Jessicka Lopez, Asbestos Lab Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from: 02/27/2023 11:46:08



# Chain of Custody

342304427

EMSL Analytical, Inc.

## Asbestos Lab Services

3303 Parkway Center Ct  
Orlando, FL 32808  
Phone: (407) 599-5887  
Fax: (407) 599-9063  
<http://www.emsl.com>

Please print all information legibly.

**POSITIVE STOP!**

<b>Company:</b>	APTIM	<b>Bill To:</b>	APTIM
<b>Address1:</b>	9143 Philips Highway	<b>Address1:</b>	9143 Philips Highway
<b>Address2:</b>	Suite 400	<b>Address2:</b>	Suite 400
<b>City, State:</b>	Jacksonville, Florida	<b>City, State:</b>	Jacksonville, Florida
<b>Zip/Post Code:</b>	32256	<b>Zip/Post Code:</b>	32256
<b>Country:</b>	USA	<b>Country:</b>	USA
<b>Contact Name:</b>	Bill Zukauskas	<b>Attn:</b>	Bill Zukauskas
<b>Phone:</b>	904-509-9662	<b>Phone:</b>	904-509-9662
<b>Fax:</b>	904-367-6001	<b>Fax:</b>	904-367-6001
<b>Email:</b>		<b>Email:</b>	
<b>Email:</b>	William.zukauskas@aptim.com	<b>P.O. Number:</b>	
<b>Project Name/Number:</b>	Atkins-FDOT 6 Bridge 875101 <b>631027890</b>		

Invoice Atten: ~~Greg.Davis@gndevon.com~~ **Laura.Herron@aptim.com**

MATRIX			TURNAROUND			
<input type="checkbox"/> Air	<input type="checkbox"/> Soil	<input type="checkbox"/> Micro-Vac	<input type="checkbox"/> 3 Hours	<input type="checkbox"/> 6 Hours	<input type="checkbox"/> Same Day or 12 Hours*	<input type="checkbox"/> 24 Hours (1 day)
<input checked="" type="checkbox"/> Bulk	<input type="checkbox"/> Drinking Water		<input type="checkbox"/> 48 Hours (2 days)	<input type="checkbox"/> 72 Hours (3 days)	<input type="checkbox"/> 96 Hours (4 days)	<input checked="" type="checkbox"/> 120 Hours (5 days)
<input type="checkbox"/> Wipe	<input type="checkbox"/> Wastewater		<input type="checkbox"/> 144+ hours (6-10 days)			

TEM AIR, 3 hours, 6 hours, Please call ahead to schedule. There is a premium charge for 3-hour tat, please call 1-800-220-3675 for price prior to sending samples. You will be asked to sign an authorization form for this service.

\*12 hours (must arrive by 11:00a.m. Mon -Fri.), Please Refer to Price Quote

PCM - Air	TEM Air	TEM WATER
<input type="checkbox"/> NIOSH 7400(A) Issue 2: August 1994	<input type="checkbox"/> AHERA 40 CFR, Part 763 Subpart E	<input type="checkbox"/> EPA 100.1
<input type="checkbox"/> OSHA w/TWA	<input type="checkbox"/> NIOSH 7402	<input type="checkbox"/> EPA 100.2
<input type="checkbox"/> Other:	<input type="checkbox"/> EPA Level II	<input type="checkbox"/> NYS 198.2
PLM - Bulk	TEM BULK	TEM Microvac/Wipe
<input checked="" type="checkbox"/> EPA 600/R-93/116	<input type="checkbox"/> Drop Mount (Qualitative)	<input type="checkbox"/> ASTM D 5755-95 (quantative method)
<input checked="" type="checkbox"/> EPA Point Count	<input type="checkbox"/> Chatfield SOP - 1988-02	<input type="checkbox"/> Wipe Qualitative
<input type="checkbox"/> NY Stratified Point Count	<input type="checkbox"/> TEM NOB (Gravimetric) NYS 198.4	
<input type="checkbox"/> PLM NOB (Gravimetric) NYS	<input type="checkbox"/> EMSL Standard Addition:	<b>XRD</b>

Chain of Custody

EMSL Analytical, Inc.

FEB 20 2023 9:54

# Asbestos Lab Services

3303 Parkway Center Ct  
 Orlando, FL 32808  
 Phone: (407) 599-5887  
 Fax: (407) 599-9063  
<http://www.emsl.com>

Please print all information legibly.

Client Sample # (s) 875101-1.1 to 875101-22.3

Total Samples #: 66

Relinquished: [Signature] Date: 2/16/23

Time: 1700

Received: [Signature] Date: FEB 20 2023

Time: 9:54

Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
875101-1.1	concrete pad	
1.2	↓	
1.3	↓	
2.1	concrete sidewalk	
2.2	↓	
2.3	↓	
3.1	concrete rail	
3.2	↓	
3.3	↓	
4.1	gray expansion joint	
4.2	↓	
4.3	↓	
5.1	blk mortar	
5.2	↓	



Chain of Custody

EMSL Analytical, Inc.  
 Suite 900  
 3303 Parkway Center Ct

342304427

# Asbestos Lab Services

3303 Parkway Center Ct  
 Orlando, FL 32808  
 Phone: (407) 599-5887  
 Fax: (407) 599-9063  
<http://www.emsl.com>

Please print all information legibly.

Client Sample # (s) 875101-1.1 to 875101-22.3

Total Samples #: 66

Relinquished: [Signature] Date: 2/16/13

Time: 1700

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
875101 - 5.3	Blk mastic	
6.1	Tan class V coating	
6.2	↓	
6.3	↓	
7.1	Blk Rubber pads - posts	
7.2	↓	
7.3	↓	
8.1	Lt. wt. cement patch	
8.2	↓	
8.3	↓	
9.1	Blk Rubber pads - sidewalk	
9.2	↓	
9.3	↓	
10.1	concrete columns + caps	



## Chain of Custody

EMSL Analytical, Inc.  
 Suite 900  
 3303 Parkway Center Ct

✓ FEB 20 2023 9:57

# Asbestos Lab Services

3303 Parkway Center Ct  
 Orlando, FL 32808  
 Phone: (407) 599-5887  
 Fax: (407) 599-9063  
<http://www.emsl.com>

Please print all information legibly.

Client Sample # (s) 875101-1.1 to 875101-22.3

Total Samples #: 66

Relinquished: *Billy J...* Date: 2/16/23

Time: 1700

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
875101-10.2	concrete column + caps	
10.3	↓	
11.1	concrete - abutment	
11.2	↓	
11.3	↓	
12.1	Blk vibration: Dampener	
12.2	↓	
12.3	↓	
13.1	Red ceramic floor tile	
13.2	↓	
13.3	↓	
14.1	Brown tile grout	
14.2	↓	
14.3	↓	



## Chain of Custody

EMSL Analytical, Inc.  
 Suite 900  
 3303 Parkway Center Ct

*✓* FEB 20 2023 9:54

342304427

# Asbestos Lab Services

3303 Parkway Center Ct  
 Orlando, FL 32808  
 Phone: (407) 599-5887  
 Fax: (407) 599-9063  
<http://www.emsl.com>

Please print all information legibly.

Client Sample # (s) 875101-1.1 to 875101-22.3

Total Samples #: 66

Relinquished: [Signature] Date: 2/16/23

Time: 1700

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
875101 - 15.1	White textured wall finish	
15.2	↓	
15.3	↓	
16.1	poured concrete	
16.2	↓	
16.3	↓	
17.1	exterior stucco	
17.2	↓	
17.3	↓	
18.1	White frame caulk	
18.2	↓	
18.3	↓	
19.1	concrete block	
19.2	↓	



## Chain of Custody

EMSL Analytical, Inc.  
 Suite 900  
 3303 Parkway Center Ct

FEB 20 2023 9:54

# Asbestos Lab Services

3303 Parkway Center Ct  
 Orlando, FL 32808  
 Phone: (407) 599-5887  
 Fax: (407) 599-9063  
<http://www.emsl.com>

Please print all information legibly.

Client Sample # (s) 875101-1.1 to 875101-22.3

Total Samples #: 66

Relinquished: *Belle* Date: 2/16/23

Time: 1700

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Relinquished: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

Received: \_\_\_\_\_ Date: \_\_\_\_\_

Time: \_\_\_\_\_

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME (if applicable)
875101 - 12.3	Concrete Block	
20.1	Concrete Block Mortar	
20.2	↓	
20.3	↓	
21.1	gray brick	
21.2	↓	
21.3	↓	
22.1	gray brick mortar	
22.2	↓	
22.3	↓	



## Chain of Custody

EMSL Analytical, Inc.  
 Suite 900  
 3303 Parkway Center Ct

*✓* FEB 20 2023 9:57

CERTIFICATE OF ANALYSIS

Client: Aptim  
9143 Phillips Highway, Suite 400  
Jacksonville FL 32256

Report Date: 2/27/2023  
Report No.: 678433 - PLM  
Project: Atkins-FDOT 6 Bridge 875101  
Project No.: 631027840

Client: SHA873

PLM BULK SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7572920	<b>Analyst Observation:</b> Grey Expansion Joint	<b>Location:</b>
<b>Client No.:</b> 875101-4.4QA	<b>Client Description:</b> Grey Expansion Joint	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

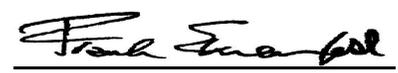
<b>Lab No.:</b> 7572921	<b>Analyst Observation:</b> Grey Concrete	<b>Location:</b>
<b>Client No.:</b> 875101-8.4QA	<b>Client Description:</b> Lt. Wt. Concrete Patch	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7572922	<b>Analyst Observation:</b> White/Lt Green Wall Texture	<b>Location:</b>
<b>Client No.:</b> 875101-15.4QA	<b>Client Description:</b> White Textured Wall Finish	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

<b>Lab No.:</b> 7572923	<b>Analyst Observation:</b> Grey Concrete	<b>Location:</b>
<b>Client No.:</b> 875101-16.4QA	<b>Client Description:</b> Poured Concrete	<b>Facility:</b>
<u>Percent Asbestos:</u> None Detected	<u>Percent Non-Asbestos Fibrous Material:</u> None Detected	<u>Percent Non-Fibrous Material:</u> 100

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 2/20/2023  
Date Analyzed: 02/27/2023  
Signature:   
Analyst: Ellen Smith

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

---

CERTIFICATE OF ANALYSIS

---

Client: Aptim  
9143 Phillips Highway, Suite 400  
Jacksonville FL 32256

Report Date: 2/27/2023  
Report No.: 678433 - PLM  
Project: Atkins-FDOT 6 Bridge 875101  
Project No.: 631027840

Client: SHA873

## Appendix to Analytical Report

**Customer Contact:** Dave Mosher

**Method:** 40 CFR Appendix E to Subpart E of Part 763, interim method for the Determination of Asbestos in Bulk Insulation Samples, USEPA 600, R93-116 and NYSDOH ELAP 198.1 as needed.

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

**iATL Customer Service:** customerservice@iatl.com

**iATL Office Manager:** wchampion@iatl.com

**iATL Account Representative:** Kelly Klippel

**Sample Login Notes:** See Batch Sheet Attached

**Sample Matrix:** Bulk Building Materials

**Exceptions Noted:** See Following Pages

### General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at [www.iATL.com](http://www.iATL.com) and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

### Information Pertinent to this Report:

Analysis by US EPA 600 93-116: Determination of Asbestos in Bulk Building Materials by Polarized Light Microscopy (PLM).

### Certifications:

- NIST-NVLAP No. 101165-0
- NYSDOH-ELAP No. 11021
- AIHA-LAP, LLC No. 100188

Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. PC Trace represents a <0.25% amount. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analytical Methodology Alternatives: Your initial request for analysis may not have accounted for recent advances in regulatory requirements or advances in technology that are routinely used in similar situations for other qualified projects. You may have the option to explore additional analysis for further information. Below are a few options, listed as the matrix followed by the appropriate methodology. Also included are links to more information on our website.

Bulk Building Materials that are Non-Friable Organically Bound (NOB) by Gravimetric Reduction techniques employing PLM and TEM: ELAP 198.6 (PLM-NOB), ELAP 198.4 (TEM-NOB) See additional information at the end of this appendix.

---

CERTIFICATE OF ANALYSIS

---

Client: Aptim  
9143 Phillips Highway, Suite 400  
Jacksonville FL 32256

Report Date: 2/27/2023  
Report No.: 678433 - PLM  
Project: Atkins-FDOT 6 Bridge 875101  
Project No.: 631027840

Client: SHA873

Loose Fill Vermiculite Insulation, Attic Insulation, Zonolite (copyright), etc.: US EPA 600 R-4/004 (multi-tiered analytical process)  
Sprayed On Insulation/Fireproofing with Vermiculite (SOF-V): ELAP 198.8 (PLM-SOF-V)

Soil, sludge, sediment, aggregate, and like materials analyzed for asbestos or other elongated mineral particles (ex. erionite, etc.): ASTM D7521, CARB 435, and other options available

Asbestos in Surface Dust according to one of ASTM's Methods (very dependent on sampling collection technique – by TEM): ASTM D 5755, D5756, or D6480

Various other asbestos matrices (air, water, etc.) and analytical methods are available.

### Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a list with highlighted disclaimers that may be pertinent to this project. For a full explanation of these and other disclaimers, please inquire at [customerservice@iatl.com](mailto:customerservice@iatl.com).

- 1) Note: No mastic provided for analysis.
- 2) Note: Insufficient mastic provided for analysis.
- 3) Note: Insufficient material provided for analysis.
- 4) Note: Insufficient sample provided for QC reanalysis.
- 5) Note: Different material than indicated on Sample Log / Description.
- 6) Note: Sample not submitted.
- 7) Note: Attached to asbestos containing material.
- 8) Note: Received wet.
- 9) Note: Possible surface contamination.
- 10) Note: Not building material. 1% threshold may not apply.
- 11) Note: Recommend TEM-NOB analysis as per EPA recommendations.
- 12) Note: Asbestos detected but not quantifiable.
- 13) Note: Multiple identical samples submitted, only one analyzed.
- 14) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.080%.
- 15) Note: Analyzed by EPA 600/R-93/116. Point Counting detection limit at 0.125%.
- 16) Note: This sample contains >10% vermiculite mineral. See Appendix for Recommendations for Vermiculite Analysis.

### Recommendations for Vermiculite Analysis:

Several analytical protocols exist for the analysis of asbestos in vermiculite. These analytical approaches vary depending upon the nature of the vermiculite mineral being tested (e.g. un-processed gänge, homogeneous exfoliated books of mica, or mixed mineral composites). Please contact your client representative for pricing and turnaround time options available.

iATL recommends initial testing using the EPA 600/R-93/116 method. This method is specifically designed for the analysis of asbestos in bulk building materials. It provides an acceptable starting point for primary screening of vermiculite for possible asbestos.

Results from this testing may be inconclusive. EPA suggests proceeding to a multi-tiered analysis involving wet separation techniques in conjunction with PLM and TEM gravimetric analysis (EPA 600/R-04/004).

For New York State customers, NYSDOH requires disclaimers and qualifiers for various vermiculite containing samples that direct analysis via ELAP198.6 and ELAP198.8 for samples that contain >10% vermiculite mineral where ELAP198.6 may be used to evaluate the asbestos content of the material. However, any test result using ELAP198.6 will be reported with the following disclaimer: "ELAP198.6 method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing >10% vermiculite."

Further information on this method and other vermiculite and asbestos issues can be found at the following: Agency for Toxic Substances and Disease Registry (ATSDR) [www.atsdr.cdc.gov](http://www.atsdr.cdc.gov), United States Geological Survey (USGS) [www.minerals.usgs.gov/minerals/](http://www.minerals.usgs.gov/minerals/), US EPA [www.epa.gov/asbestos](http://www.epa.gov/asbestos). The USEPA also has an informative brochure "Current Best Practices for Vermiculite Attic Insulation" EPA 747F03001 May 2003, that may assist the health and remediation professional. NYS customers please follow current NYSDOH ELAP requirements per policy on subject of surfacing and vermiculite, May 6, 2016, Testing Requirements for Surfacing Material Containing Vermiculite ([https://www.wadsworth.org/sites/default/files/WebDoc/I198\\_8\\_02\\_2.pdf](https://www.wadsworth.org/sites/default/files/WebDoc/I198_8_02_2.pdf))

The following is a summary of the analytical process outlines in the EPA 600/R-04/004 Method:

- 1) **Analytical Step/Method:** Initial Screening by PLM, EPA 600R-93/116  
**Requirements/Comments:** Minimum of 0.1 g of sample. ~0.25% for most samples.

---

CERTIFICATE OF ANALYSIS

---

Client: Aptim  
9143 Phillips Highway, Suite 400  
Jacksonville FL 32256

Client: SHA873

Report Date: 2/27/2023  
Report No.: 678433 - PLM  
Project: Atkins-FDOT 6 Bridge 875101  
Project No.: 631027840

2)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

3)**Analytical Step/Method:** Wet Separation by PLM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Floats" only.

4)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Sinks" only.

5)**Analytical Step/Method:** Wet Separation by TEM Gravimetric Technique, EPA R-04/004  
**Requirements/Comments:** Minimum 50g\*\* of dry sample. Analysis of "Suspension" only.

\*With advance notice and confirmation by the laboratory.

\*\*Approximately 1 Liter of sample in double-bagged container (~9x6 inch bag of sample).

New York State Department of Health requires that samples originating from NYS that they categorize as Non-friable Organically Bound materials can only be confirmed as None Detected for asbestos by method 198.4. See the table below for a list of those materials. (ENVIRONMENTAL LABORATORY APPROVAL PROGRAM CERTIFICATION MANUAL - ITEM No. 198.1, Revision Date 5/6/16)

\*Asphalt Shingles, Caulking, Ceiling Tiles with Cellulose, Duct Wrap, Glazing, Mastic, Paint Chips, Resilient Floor Tiles, Rubberized Asbestos Gaskets, Siding Shingles, Vinyl Asbestos Tile, NOB materials (other than SM-V) with <10% vermiculite, Any material (Friable or NOB other than SM-V) with >10% vermiculite.

Statistically derived uncertainty with any measure should be taken into consideration when reviewing and interpreting all reported data and results. A more comprehensive listing of accuracy, precision, and uncertainty as it impacts this method is available upon request.



# Chain of Custody / Sample Log Bulk Asbestos

9000 Commerce Parkway  
Suite B  
Mt. Laurel, NJ 08054  
Toll Free: 877 428-4285  
info@iatl.com  
www.iatl.com

**Client:** APTIM  
9143 Philips Hwy, Suite 400  
Jacksonville, FL 32256

**Project Name:** Atkins-FDOT 6 Bridge 875101  
**Project No.:** 63102 7840

**Office Phone:** 904-367-6033  
**Cell Phone:** 904-509-9662  
**FAX / Email 1:** \_\_\_\_\_

**Contact 1:** \_\_\_\_\_  
**Contact 2:** william.zukauskas@aptim.com  
**FAX / Email 2:** \_\_\_\_\_

**Special Instructions:** \_\_\_\_\_

**Matrix:**  
 Air  Water  Soil  Paint  Bulk  Other  
 Surface Dust / Wipe

**Analysis Method:**  
 PLM : Bulk Asbestos Building Materials EPA 600 / R 93-116  
 PLM : Point Counting  
     PC : via ELAP 198.1  
     PC : 400 Points  
     PC : 800 Points \*  
     PC : other \_\_\_\_\_ Points \*  
 PLM : Gravimetric Reduction  
     PLM : NOB via 198.6  
     PLM : Friable via EPA 600 2.3  
     If <1% by PLM, to TEM via 198.4 \*  
     If <1% by PLM, Hold for Instructions  
 PLM : Analyze Until Positive (Positive Stop)  
     AUP : by Homogenous Area as Noted  
     AUP : by Material Type as Noted  
 PLM : Non-Building Material \*, \*\*(Dust, Wipe, Tape, Soil)  
     Soil or Vermiculite Analysis \*, \*\*  
 PLM: Instructions for Multi-Layered Samples  
     Analyze and Report All Separable Layers per EPA 600  
     Report Composite for Drywall Systems per NESHAP  
     Report All Layers and Composite Where Applicable  
     Only Analyze and Report Specifically Noted Layer  
\* Additional charge and turnaround may be required. \*\* Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory.

**Turnaround Time:** Preliminary Results Requested By... \_\_\_\_\_  Verbals  FAX  Email  
date / time  
 10 Day  5 Day  3 Day  2 Day  1 Day\*  12 Hour\*\*  6 Hour\*\*  RUSH\*\*  
\* End of next business day unless otherwise specified. \*\* Matrix Dependent. Please notify the lab before shipping.

**Sample Numbers:** 875101-4404, 875101-8404, 875101-15404, 875101-16404  
Client #(s): \_\_\_\_\_ - \_\_\_\_\_ iATL#(s): \_\_\_\_\_ - \_\_\_\_\_ Total: 4  
Please use your sample log to supply sampling information (ex. Volumes, areas, descriptions, locations, etc.) or download forms at iatl.com

**Chain of Custody:**  
Relinquished (Name / Organization): APTIM [Signature] Date: 2/16/23 Time: 17:00  
Received (Name / iATL): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Sample Login (Name / iATL): \_\_\_\_\_ Date: CEIVED Time: \_\_\_\_\_  
Sample Prep (Name / iATL): [Signature] Date: 2/22/23 Time: \_\_\_\_\_  
Analysis (Name(s) / iATL): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
QA/QC Review (Name / iATL): \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Archived / Released: \_\_\_\_\_ QA/QC InterLAB Use: \_\_\_\_\_ Date: 26 2023 Time: \_\_\_\_\_



## **QUALITY ASSURANCE SAMPLING**

Quality assurance (QA) sampling was performed in accordance with the State of Florida Asbestos Survey Procedure Manual. Four QA samples (Sample #s 4.4, 8.4, 15.4, and 16.4) were collected next to Sample #s 4.3, 8.3, 15.3 and 16.3. The laboratory analyses indicated that QA samples did not contain asbestos. The result of the QA samples were consistent with the original sample analysis.

**SECTION 5**

**CREDENTIALS FOR CONSULTANT,  
INSPECTOR, AND LABORATORY**



Ron DeSantis, Governor

Julie I. Brown, Secretary



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**ASBESTOS LICENSING UNIT**

THE ASBESTOS BUSINESS ORGANIZATION HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

**APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC**

9143 PHILIPS HIGHWAY SUITE 400  
JACKSONVILLE FL 32256-7460

**LICENSE NUMBER: ZA317**

**EXPIRATION DATE: NOVEMBER 30, 2023**

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)



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Ron DeSantis, Governor

Halsey Beshears, Secretary



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**ASBESTOS LICENSING UNIT**

THE ASBESTOS CONSULTANT - ENGINEER HEREIN IS LICENSED UNDER THE  
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

**MOSHER, DAVID WARNER**

APTIM ENVIRONMENTAL & INFRASTRUCTURE, INC.  
1233 FRUIT COVE DRIVE SOUTH  
JACKSONVILLE FL 32259

**LICENSE NUMBER: EA0000078**

**EXPIRATION DATE: NOVEMBER 30, 2022**

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United States of America

# CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

## WILLIAM B. ZUKAUSKAS

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training provided in accordance with the Model Accreditation Plan (MAP) (40 CFR Part 763, Subpart E, Appendix C) and AHERA of the Toxic Substances Control Act (TSCA) entitled:

### SURVEY & MECHANICAL (INSPECTOR)

COURSE COMPLETION:	JANUARY 10, 2023
EXAMINATION DATE:	JANUARY 10, 2023
EXPIRATION DATE:	JANUARY 10, 2024
COURSE HOURS:	4.0



*Danaya N. Wilson*  
CEO & Training Program Manager

Credential License ID:  
66046610



*Aaron Hix*  
Instructor(s)

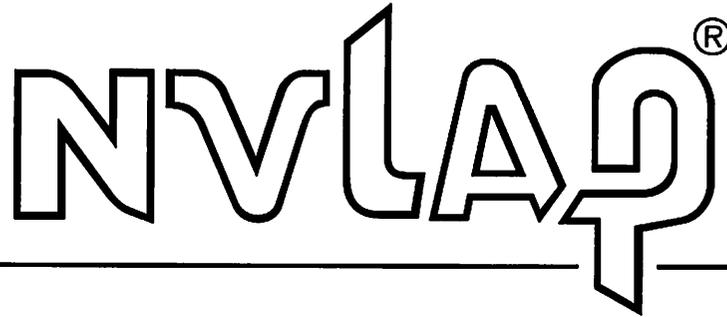
CHC Training Certificate No.  
R23-0037-AI-O



Renew this Certificate

Verify this Certificate

United States Department of Commerce  
National Institute of Standards and Technology



---

**Certificate of Accreditation to ISO/IEC 17025:2017**

---

**NVLAP LAB CODE: 101151-0**

**EMSL Analytical, Inc.**  
Orlando, FL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

**Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

---

2022-07-01 through 2023-06-30

*Effective Dates*



---

*Dana S. Gorman*  
For the National Voluntary Laboratory Accreditation Program

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**EMSL Analytical, Inc.**  
3303 Parkway Center Court  
Orlando, FL 32808  
Jessicka Lopez  
Phone: 407-599-5887 X3464  
Email: [jmlopez@emsl.com](mailto:jmlopez@emsl.com)  
<http://www.emsl.com>

**ASBESTOS FIBER ANALYSIS**

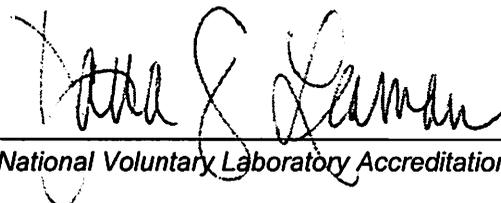
**NVLAP LAB CODE 101151-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

**Airborne Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



*For the National Voluntary Laboratory Accreditation Program*

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**International Asbestos Testing Laboratories**

9000 Commerce Parkway

Suite B

Mt. Laurel, NJ 08054

Mr. Frank E. Ehrenfeld III

Phone: 856-231-9449 Fax: 856-231-9818

Email: [frankehrenfeld@iatl.com](mailto:frankehrenfeld@iatl.com)

<http://www.iatl.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 101165-0**

**Bulk Asbestos Analysis**

**Code**

**Description**

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

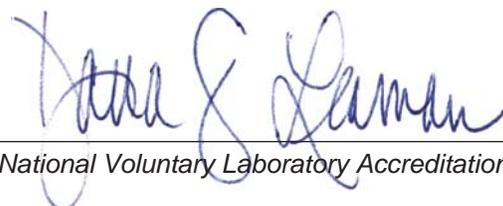
**Airborne Asbestos Analysis**

**Code**

**Description**

18/A02

U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



*For the National Voluntary Laboratory Accreditation Program*

United States Department of Commerce  
National Institute of Standards and Technology



---

**Certificate of Accreditation to ISO/IEC 17025:2017**

---

NVLAP LAB CODE: 101165-0

**International Asbestos Testing Laboratories**

Mt. Laurel, NJ

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

**Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

---

2021-07-01 through 2022-06-30

*Effective Dates*



A handwritten signature in blue ink, reading "Dana S. Laman".

---

*For the National Voluntary Laboratory Accreditation Program*

**SECTION 6**

**ASBESTOS OPERATIONS AND MAINTENANCE (O&M) PLAN  
AND RESPONSE ACTION**

**O&M PLAN AND RESPONSE ACTION  
FOR  
BRIDGE #875101  
BROAD CAUSEWAY BRIDGE OVER INTERCOASTAL WATERWAY  
BAY HARBOR ISLANDS, DADE COUNTY, FLORIDA  
TO BE REPLACED**

Any regulated asbestos-containing material (RACM), must be abated in accordance with 40 CFR, Subpart M, Part 61.145, as stated in abatement specifications required by Chapter 255, FS and OSHA Standard 1926.58 for the construction industry, prior to demolition or renovation. RACM is identified as follows:

Friable ACM

- Category I nonfriable ACM that has become friable
- Category I nonfriable ACM that will be or has been subject to sanding, grinding, cutting, or abrading
- Category II nonfriable ACM that has a high probability of becoming, or has become, crumbled, pulverized, or reduced to powder by the forces expected to act on such material

Laboratory analyses of the collected suspect samples indicated that the sampled materials did not contain asbestos. Renovation or demolition can proceed without any engineering controls. However, the use of wet demolition methods is recommended during renovation or demolition of these sampled materials.

**End Of Work Plan**

## **DISCLAIMER**

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

This report is the result of a limited investigation of the referenced bridge, and every attempt has been made to discover and inventory all asbestos-containing building materials (ACBM) in the structure. However, due to the limited and nondestructive nature of the inspection, it is possible that other concealed and inaccessible suspect materials may exist. Should any additional suspect ACMs be uncovered during renovation or demolition which are not listed in this report, then those materials should be sampled and submitted for analysis.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.



APTIM  
725 US Highway 301 South  
Tampa, Florida 33619  
Tel: +1 813 612 3600  
Fax: +1 813 626 1663  
[www.aptim.com](http://www.aptim.com)

March 24, 2023

Project 631027840

Ms. Wendy G. Lasher, AICP  
Florida Transportation Planning and PD&E  
ATKINS North America, Inc.  
4030 West Boy Scout Boulevard, Suite 700  
Tampa, Florida 33607

**Re: Paint Coating Survey Report  
Bridge No. 875101  
Broad Causeway Bridge (SR 922/NE 123<sup>rd</sup> Street) over Intercoastal Waterway  
Bay Harbor Islands, Dade County, Florida**

Dear Ms. Lasher:

Aptim Environmental & Infrastructure, LLC (APTIM) is pleased to present this Paint Coating Survey Report for Bridge No. 875101 (Broad Causeway Bridge), which carries State Road 922/NE 123<sup>rd</sup> Street vehicle traffic over the Intercoastal Waterway River in Bay Harbor Islands, Dade County, Florida.

**Figure 1** shows the location of the bridge. ATKINS North America, Inc. (ATKINS) authorized APTIM to evaluate the paint coatings of the bridge in advance of its replacement.

## **SAMPLING ACTIVITIES**

The bridge paint survey was initiated by APTIM on February 14, 2023, and samples were collected on February 15, 2023, in conjunction with an asbestos survey of the bridge. During the survey, APTIM noted blue, white, and gray paint present on the bridge at the time of the survey. The blue paint was located on the horizontal steel beams, the white paint was located on the Tender House and Equipment Building, and the gray paint was located on the concrete pile caps located under the bridge.

During the survey, APTIM collected paint coating samples of the blue, white, and gray paint from six locations on the bridge to evaluate the potential for worker exposure during bridge replacement. At the time of sampling, the paint was observed to be in good condition. The samples were collected in accordance with the sampling procedures developed by the State Materials Office, Florida Method of Test for Sampling of Structural Steel Existing Coating Systems Designation 5-564. The samples were labeled, packaged, and transported, under chain-of-custody, to Eurofins TestAmerica Environment Testing (Eurofins TestAmerica) located in Tampa, Florida, and analyzed for the presence of total arsenic (As), cadmium (Cd), hexavalent chromium (Cr VI), lead (Pb), and zinc (Zn) by flame atomic absorption spectrophotometry following United States Environmental Protection Agency (EPA) Method 6010D.

Additionally, one paint coating composite sample per paint color was generated from the sampled areas on the bridge. The composite samples were collected to aid paint disposal planning by determining if the leachate from the painted surface would exceed the Hazardous Waste, Toxicity Characteristics established under Title 40 of the Code of Federal Regulations (CFR) 261.24. The composited samples were analyzed for the toxicity characteristic leaching procedure (TCLP) (EPA Method 1311) extraction, and the extract was analyzed for the presence of lead by EPA Method 6010D. These samples were analyzed by Eurofins TestAmerica. The approximate sample locations are shown on **Figure 2**. Photographs of the bridge and sample areas are provided in **Appendix A**.

### SAMPLE RESULTS

The laboratory results of the paint samples are reported in milligram per kilogram (mg/kg) which is equal to parts per million (ppm) and summarized in **Table 1**. Copies of the laboratory analytical reports and chain-of-custody records are provided in **Appendix B**.

**TABLE 1**

Sample Number And Collection Date	Sample Description	Concentration (ppm)	Federal Standard* (ppm)
875101-PS-01 2/15/2023	Blue Paint on Steel Beams - Northwest Corner	As - 2.6	500
		Cd - 1.2	100
		Cr VI - 0.28 U	500
		Pb - 44.0	1,000
		Zn - 1,200	5,000
875101-PS-02 2/15/2023	Blue Paint on Steel Beams - Southwest Corner	As - 0.59 U	500
		Cd - 0.091 U	100
		Cr VI - 0.27 U	500
		Pb - 14.0	1,000
		Zn - 110.0	5,000
875101-PS-03 2/15/2023	Blue Paint on Steel Beams - Northeast Corner	As - 0.71 I	500
		Cd - 0.083 U	100
		Cr VI - 0.26 U	500

Sample Number And Collection Date	Sample Description	Concentration (ppm)	Federal Standard* (ppm)
875101-PS-03 2/15/2023	Blue Paint on Steel Beams - Northeast Corner	Pb - 26.0	1,000
		Zn - 170	5,000
875101-PS-04 2/15/2023	Blue Paint on Steel Beams - Southeast Corner	As - 0.66 I	500
		Cd - 0.11 I	100
		Cr VI - 0.27 U	500
		Pb - 7.0	1,000
		Zn - 140	5,000
875101-P-06 2/15/2023	White Paint on Concrete Walls (Tender House)	As - 1.5	500
		Cd - 0.59	100
		Cr VI - 0.27 U J3	500
		Pb - 57.0	1,000
		Zn - 380	5,000
875101-P-08 2/15/2023	Gray Paint on Concrete Pile Caps	As - 0.53 U	500
		Cd - 0.56	100
		Cr VI - 0.27 U	500
		Pb - 40.0	1,000
		Zn - 12,000*	5,000

\* - indicates levels above the Total Threshold Limit Concentration (TTLC)  
 U – reported value was not detected above laboratory method detection limit  
 I – reported value that was detected is between laboratory method detection limit and practical quantitation limit  
 J3 - Estimated value; value may not be accurate.

Spike recovery or RPD outside of criteria.

**Bold** - indicates levels above State guidelines (FDEP Chapter 62-777 Table 2 - Direct Exposure - Residential)

The analytical results of the TCLP samples are reported in milligrams per liter (mg/l) and are summarized in **Table 2**. Copies of the laboratory analytical reports and chain-of-custody records are provided in **Appendix B**.

**TABLE 2**

Sample Number And Collection Date	Sample Description	TCLP Lead Concentration (mg/L)	Allowed Lead Level per 40 CFR 261.24 (mg/L)
875101-PS-05 2/15/2023	Blue Paint on Steel Beams - Composite	3.7	<5.0
875101-PS-07 2/15/2023	White Paint on Concrete Walls, Equipment Building - Composite	0.20 U	
875101-PS-09 2/15/2023	Gray Paint on Concrete Pile Caps - Composite	0.20 U	

*mg/L – milligrams per liter*

*U – reported value was not detected above laboratory method detection limit*

**RECOMMENDATIONS FOR PERSONNEL HEALTH AND SAFETY**

The contractor selected to perform the renovation or demolition of the bridge should be familiar with and comply with all parts of the Occupational Safety and Health Administration (OSHA) Construction Standard contained in 29 CFR 1926.

A potential for lead exposure to workers exists due to the detection of lead in the paint coatings present on the bridge. Additionally, both arsenic and zinc levels were found to be above State and/or Federal guidelines. Contractors should perform renovation or demolition activities in such a way as to ensure that project workers are not exposed to arsenic, lead and zinc concentrations above the OSHA permissible exposure limits (PELs) (0.01 mg/m<sup>3</sup>, 0.05 mg/m<sup>3</sup>, and 5 mg/m<sup>3</sup>, respectively) in accordance with 29 CFR Subpart Z, and to ensure that regulated metals are not spread to uncontrolled areas.

**RECOMMENDATIONS FOR MATERIAL/WASTE HANDLING, TRANSPORTATION, AND DISPOSAL**

Laboratory analysis of the paint samples for TCLP lead concentrations indicate the paint waste generated from renovation or demolition of the bridge will not be required to be disposed of as a hazardous waste because the concentrations were reported below the regulatory limit for lead of 5 mg/L.

During the removal and handling activities, the work area should be sufficiently protected from loose or falling paint chips and residue.

All paint-related waste should be containerized in United States Department of Transportation (DOT) approved containers, labeled, and properly stored. Due to the varying concentrations of heavy metals found in paint coatings, it is possible that higher or lower concentrations of heavy metals than those presented exist. As a conservative measure, APTIM recommends that a representative sample of the

containerized waste be collected by the contractor and analyzed at a Florida Department of Environmental Protection (FDEP) approved laboratory for TCLP 8 RCRA metals by EPA Method 1311/6010/7470A prior to disposal.

If blast media or chemicals are used during paint removal operations, additional testing may be required as this could change the waste classification and disposal options.

In addition to the above requirements, all personnel who handle paint chips, which have been removed from the bridge, shall comply with the applicable requirements in hazardous waste regulations, Title 40 CFR Parts 260 through 370. This includes, but is not limited to, identification, waste handling, container labeling, transportation, and disposal.

### **DISCLAIMER**

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. APTIM is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. APTIM does not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

APTIM appreciates this opportunity to assist the ATKINS with this project. Should you have any questions regarding this report, please contact me at (813) 612-3602 or by e-mail at [laura.herron@aptim.com](mailto:laura.herron@aptim.com).

Sincerely,



Laura J. Herron, CIH, CSP, CHMM, CPEA, REM  
Project Manager I



William B. Zukauskas, CMA  
EH&S Supervisor II

Attachments: Figures 1 & 2  
Appendices A - B

## **Figures**



OFFICE: TAMPA	DATE: 3-17-23	ACAD FILE: 7840A1
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**SITE LOCATION MAP**

CLIENT: ATKINS	PM: LH
-------------------	-----------

LOCATION:  
BRIDGE 875101  
NE 123rd STREET (SR 922) over  
INTERCOASTAL WATERWAY  
BAY HARBOR ISLANDS, MIAMI-DADE COUNTY, FL

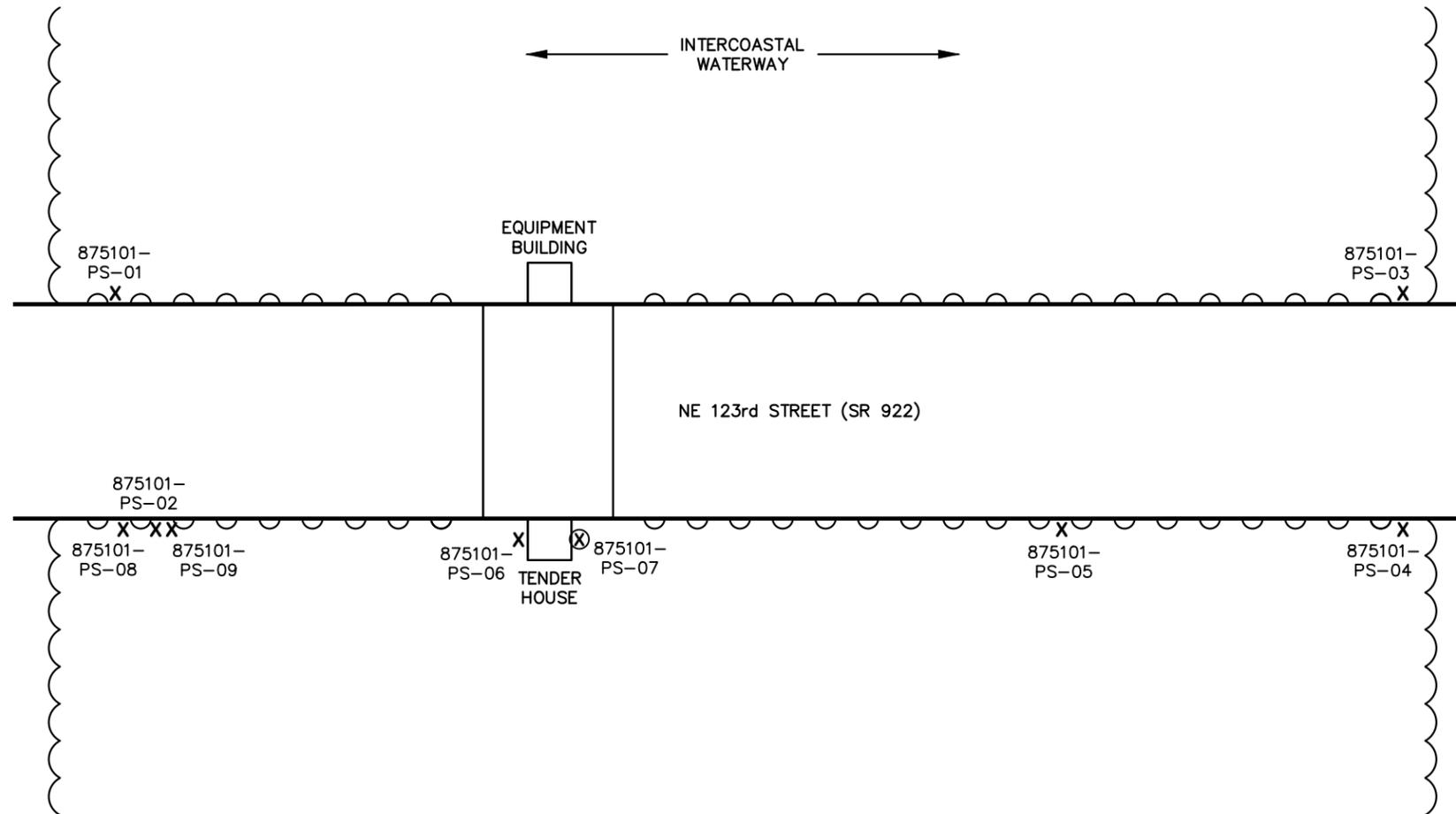


APTIM ENVIRONMENTAL &  
INFRASTRUCTURE, LLC  
725 U.S. HIGHWAY 301 SOUTH  
TAMPA, FLORIDA 33619  
(813) 612-3600 OFFICE  
(813) 626-1663 FAX

DESIGNED: WBZ	DRAWN: SDJF	PROJECT NO.: 631027840	FIGURE: <b>1</b>
------------------	----------------	---------------------------	---------------------



- LEGEND:**
- x PAINT SAMPLE LOCATION
  - ⊗ PAINT SAMPLE LOCATION INSIDE BASCULA



OFFICE: TAMPA	DATE: 3-17-23	ACAD FILE: 7840B8
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**PAINT SAMPLE  
LOCATION MAP  
FEBRUARY 14 and 15, 2023**

CLIENT: ATKINS	PM: LH
-------------------	-----------

LOCATION:  
BRIDGE 875101  
NE 123rd STREET (SR 922) over  
INTERCOASTAL WATERWAY  
BAY HARBOR ISLANDS, MIAMI-DADE COUNTY, FL

DESIGNED: WBZ	DRAWN: SDJF	PROJECT NO.: 631027840	FIGURE: <b>2</b>
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APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC  
725 U.S. HIGHWAY 301 SOUTH  
TAMPA, FLORIDA 33619  
(813) 612-3600 OFFICE  
(813) 626-1663 FAX

**Appendix A**  
**Photographic Log**

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Metals Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Bridge Number On Railing

Photograph No: 1  
Date: 2/15/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Southwest End Of Bridge Looking East

Photograph No: 2  
Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Metals Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Bridge Tender House

Photograph No: 3  
Date: 2/15/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Bridge Equipment Building

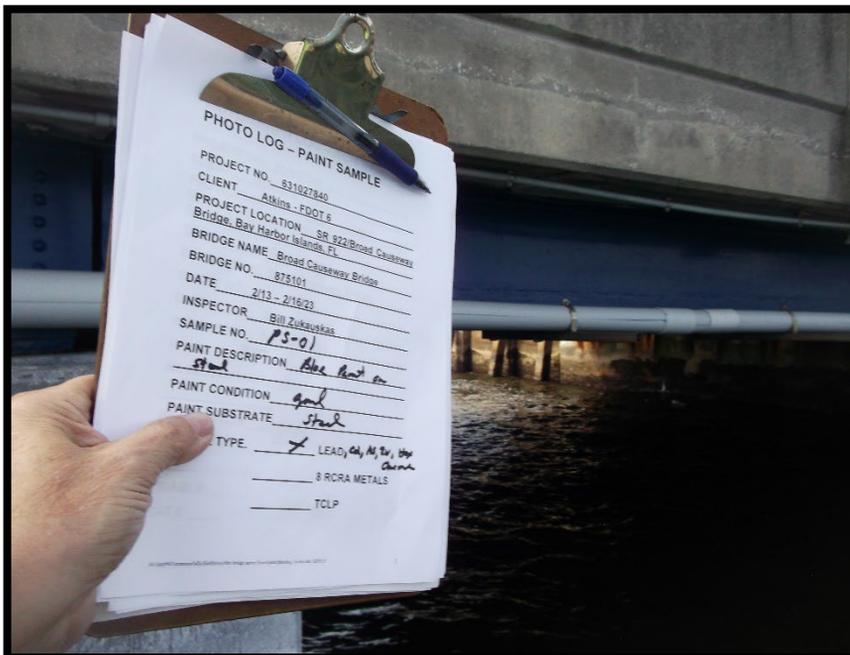
Photograph No: 4  
Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Metals Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Gray Paint on Pile Caps

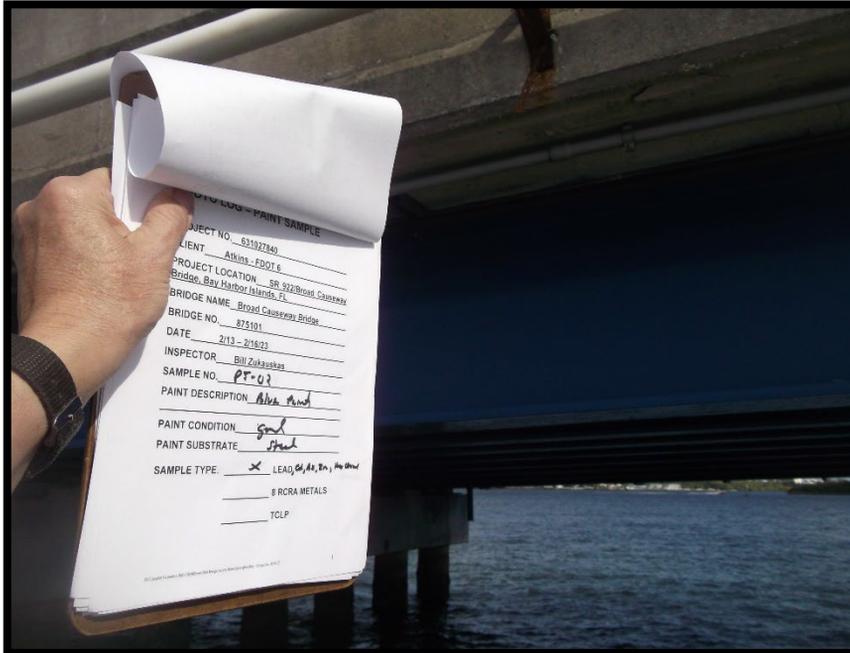
Photograph No: 5  
Date: 2/15/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Sample 875101-PS-01 – Blue Paint on Steel Beams – Northwest Corner

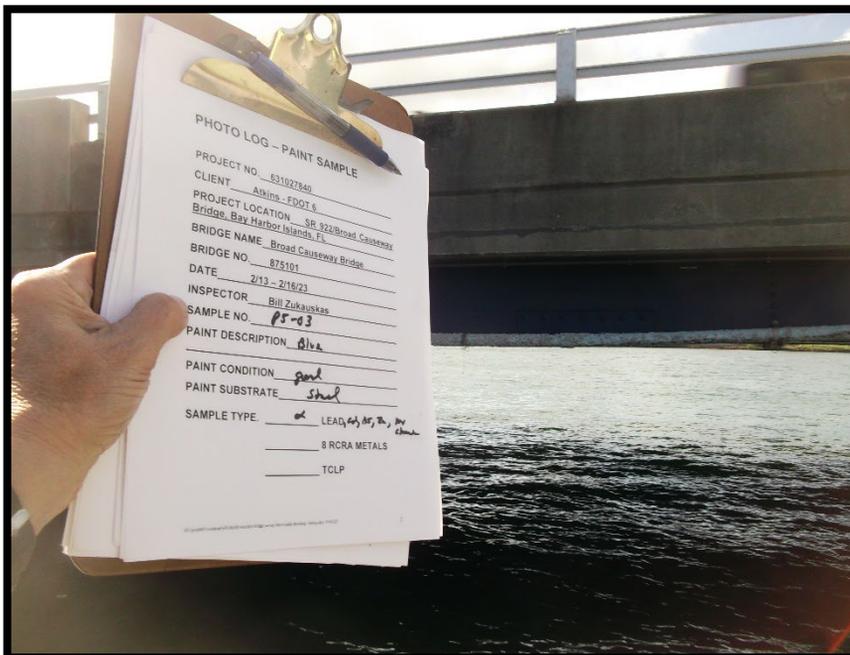
Photograph No: 6  
Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – metals Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Sample 875101-PS-02 – Blue Paint on Steel Beams – Southwest Corner

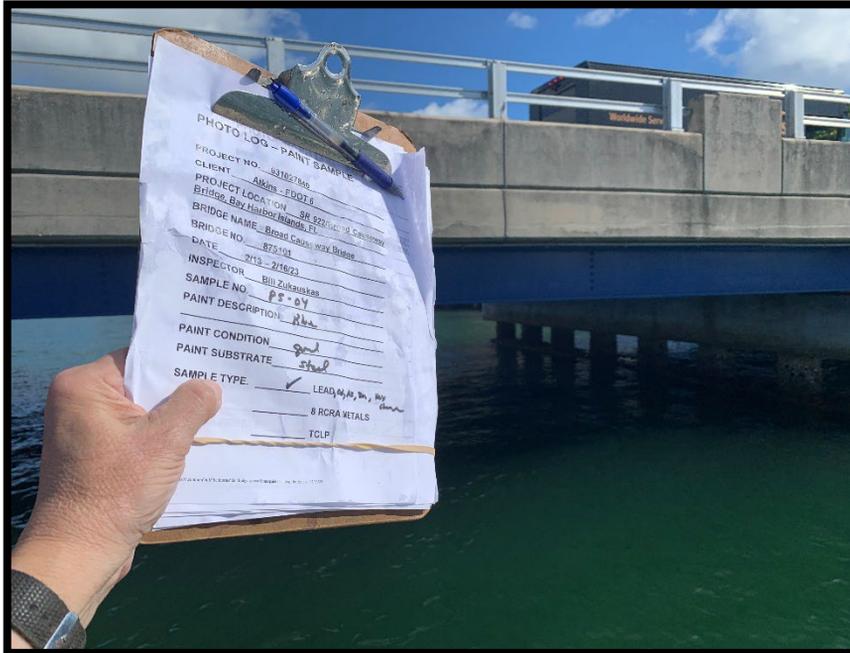
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Date: 2/15/2023



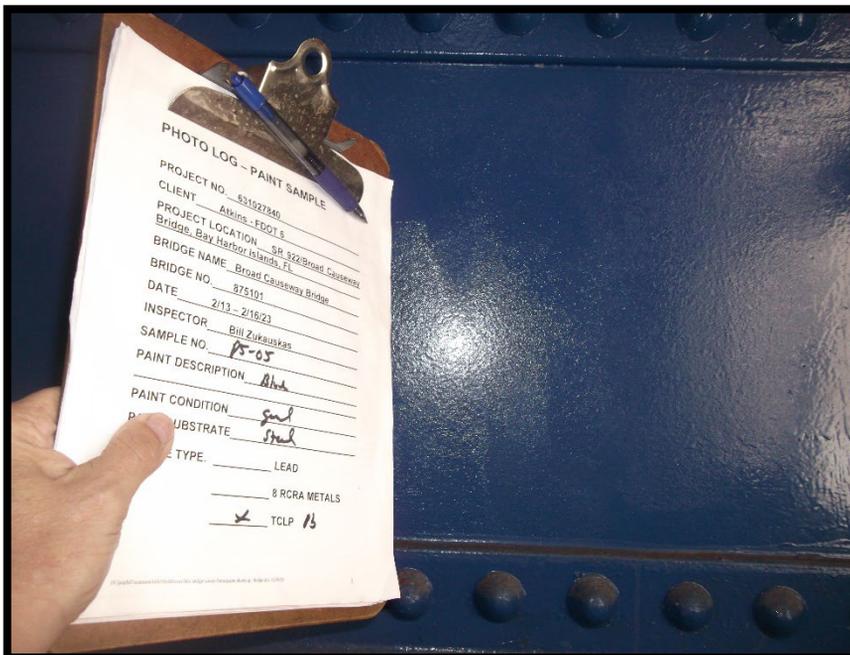
Project No: 63102784  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Sample 875101-PS-03 – Blue Paint on Steel Beams – Northeast Corner

Photograph No: 8  
Date: 2/15/2023

# Broad Causeway Bridge over Intercoastal Waterway Bridge #875101 Dade County, Florida – Metals Photo Log

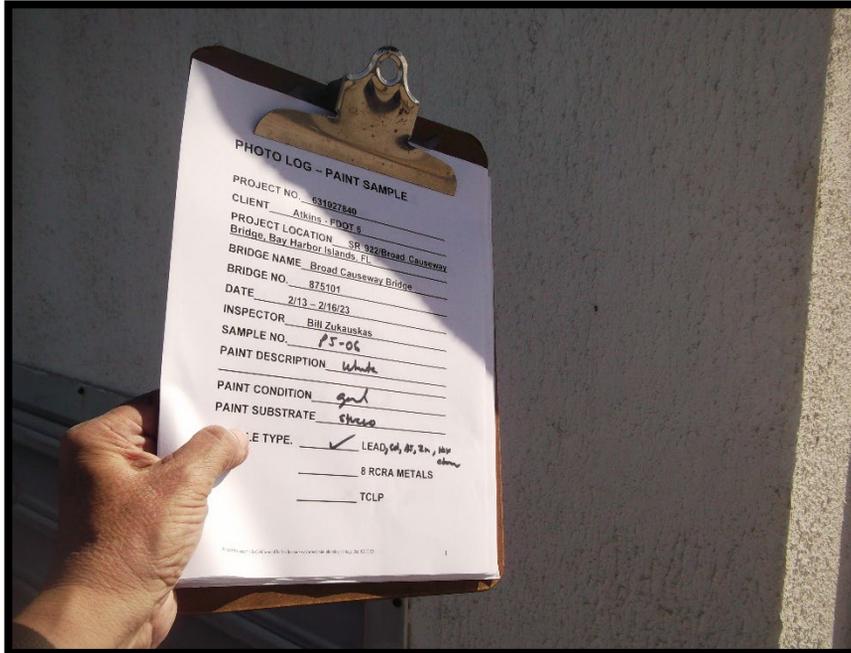


Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: Sample 875101-PS-04 – Blue Paint on Steel Beams – Southeast Corner



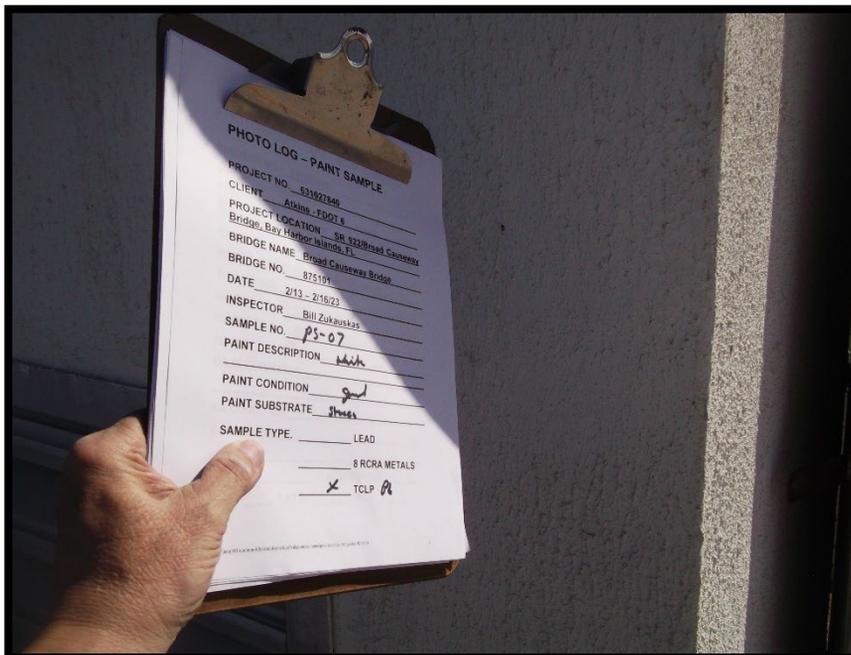
Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: Sample 875101-PS-05 – Blue Paint on Steel Beams – Composite

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – Metals Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Sample 875101-PS-06 – White Paint on Concrete Walls –  
Equipment Building

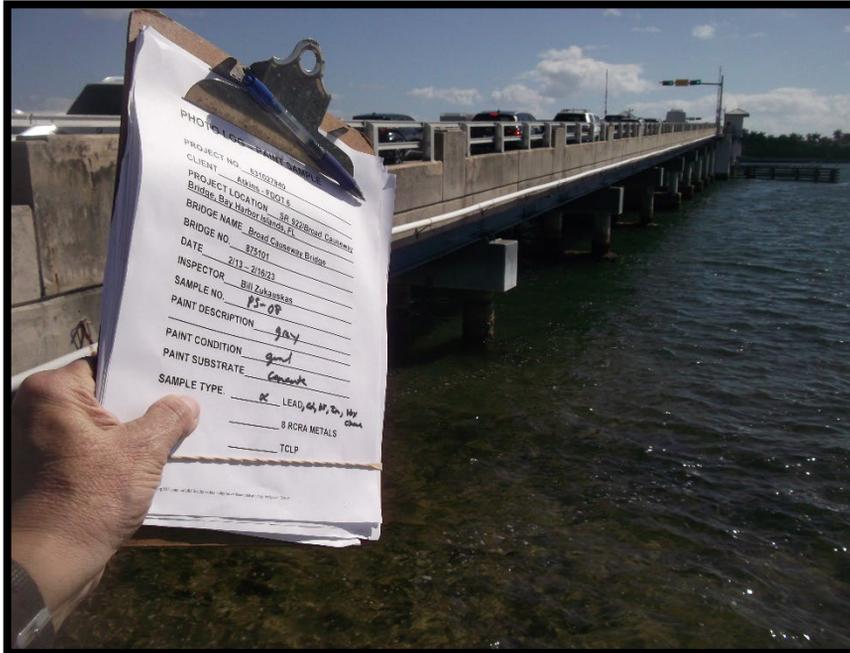
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Date: 2/15/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Sample 875101-PS-07 – White Paint on Concrete Walls –  
Equipment Building, Composite

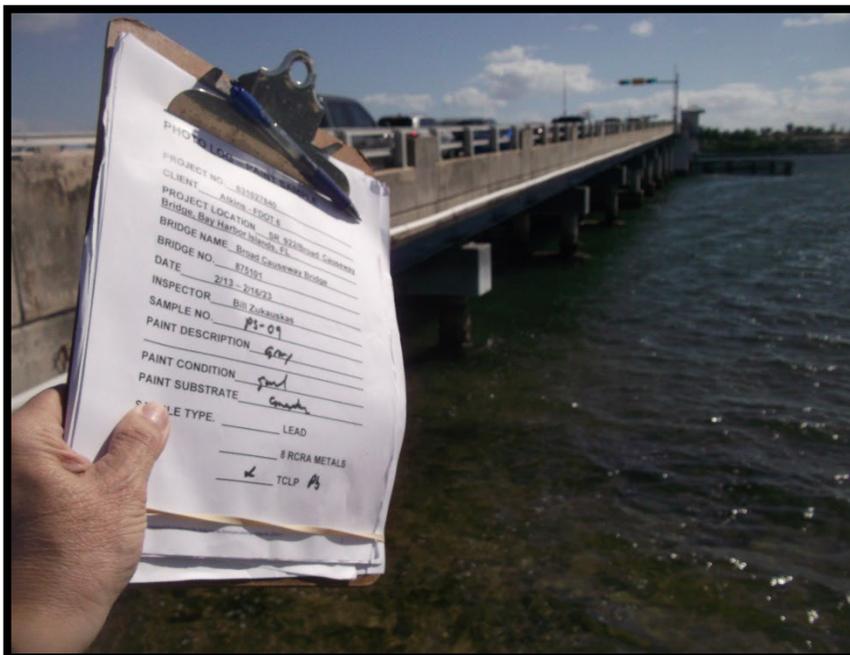
Photograph No: 12  
Date: 2/13/2023

**Broad Causeway Bridge over Intercoastal Waterway  
 Bridge #875101  
 Dade County, Florida – Metals Photo Log**



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: Sample 875101-PS-08 – Gray Paint on Concrete Pile Caps

Photograph No: 13  
 Date: 2/15/2023



Project No: 631027840  
 Photographer: William Zukauskas  
 Description: Bridge 875101  
 View: Sample 875101-PS-09 – Gray Paint on Concrete Pile Caps - Composite

Photograph No: 14  
 Date: 2/15/2023

**Appendix B**  
**Laboratory Analytical Reports and**  
**Chain-of-Custody Records**

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Laura J Herron  
Aptim Environmental & Infrastructure Inc  
725 US Highway 301 South  
Tampa, Florida 33619

Generated 3/24/2023 12:56:26 PM Revision 1

## JOB DESCRIPTION

FDOT 6 - Bridge 875101 - Bay Harbor Islands

## JOB NUMBER

660-127129-1

# Eurofins Tampa

## Job Notes

Methods: FDEP, DOH Certification #: E84282, E81005 These test results meet all the requirements of NELAC unless specified in the case narrative. All questions regarding this test report should be directed to the Eurofins Environment Testing Southeast LLC Project Manager who signed this test report. The estimated uncertainty associated with these reported results is available upon request. The results contained in this test report relate only to these samples included herein.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization



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Revision 1

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# Sample Summary

Client: Aptim Environmental & Infrastructure Inc  
Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-127129-1	PS-01 Blue Paint NW Corner	Solid	02/15/23 09:30	02/16/23 13:00
660-127129-2	PS-02 Blue Paint SW Corner	Solid	02/15/23 09:50	02/16/23 13:00
660-127129-3	PS-03 Blue Paint NE Corner	Solid	02/15/23 10:15	02/16/23 13:00
660-127129-4	PS-04 Blue Paint SE Corner	Solid	02/15/23 10:39	02/16/23 13:00
660-127129-5	PS-05 Blue Paint Composite	Solid	02/15/23 11:03	02/16/23 13:00
660-127129-6	PS-06 White Paint Tender House	Solid	02/14/23 14:27	02/16/23 13:00
660-127129-7	PS-07 White Paint Composite	Solid	02/14/23 15:10	02/16/23 13:00
660-127129-8	PS-08 gray Paint Pib Cap	Solid	02/15/23 11:42	02/16/23 13:00
660-127129-9	PS-9 gray Paint composite	Solid	02/15/23 12:18	02/16/23 13:00

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# Case Narrative

Client: Aptim Environmental & Infrastructure Inc  
Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

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## Job ID: 660-127129-1

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### Laboratory: Eurofins Tampa

#### Narrative

##### Revision

The report being provided is a revision of the original report sent on 2/27/2023. The report (revision 1) is being revised due to: The sample description was updated to PS-06 White Paint Tender House [660-127129-6] in this amended report.

##### Receipt

The samples were received on 2/16/2023 1:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 21.0° C.

##### Metals

Method 6010D: The method blank for preparation batch 400-613147 and analytical batch 400-613444 contained Chromium and Zinc above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

##### General Chemistry

Method 7196A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-613015 and analytical batch 400-613105 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

##### Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

# Definitions/Glossary

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Qualifiers

### Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

### General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Detection Summary

Client: Aptim Environmental & Infrastructure Inc  
Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Client Sample ID: PS-01 Blue Paint NW Corner

Lab Sample ID: 660-127129-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.6		0.98	0.56	mg/Kg	1		6010D	Total/NA
Cadmium	1.2		0.49	0.086	mg/Kg	1		6010D	Total/NA
Lead	44		0.98	0.22	mg/Kg	1		6010D	Total/NA
Zinc	1200		2.0	0.71	mg/Kg	1		6010D	Total/NA

## Client Sample ID: PS-02 Blue Paint SW Corner

Lab Sample ID: 660-127129-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	14		1.0	0.23	mg/Kg	1		6010D	Total/NA
Zinc	110		2.1	0.75	mg/Kg	1		6010D	Total/NA

## Client Sample ID: PS-03 Blue Paint NE Corner

Lab Sample ID: 660-127129-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.71	I	0.94	0.54	mg/Kg	1		6010D	Total/NA
Lead	26		0.94	0.21	mg/Kg	1		6010D	Total/NA
Zinc	170		1.9	0.68	mg/Kg	1		6010D	Total/NA

## Client Sample ID: PS-04 Blue Paint SE Corner

Lab Sample ID: 660-127129-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.66	I	1.1	0.63	mg/Kg	1		6010D	Total/NA
Cadmium	0.11	I	0.56	0.098	mg/Kg	1		6010D	Total/NA
Lead	7.0		1.1	0.24	mg/Kg	1		6010D	Total/NA
Zinc	140		2.2	0.80	mg/Kg	1		6010D	Total/NA

## Client Sample ID: PS-05 Blue Paint Composite

Lab Sample ID: 660-127129-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.7		0.20	0.20	mg/L	1		6010D	TCLP

## Client Sample ID: PS-06 White Paint Tender House

Lab Sample ID: 660-127129-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.5		0.93	0.53	mg/Kg	1		6010D	Total/NA
Cadmium	0.59		0.47	0.082	mg/Kg	1		6010D	Total/NA
Lead	57		0.93	0.21	mg/Kg	1		6010D	Total/NA
Zinc	380		1.9	0.67	mg/Kg	1		6010D	Total/NA

## Client Sample ID: PS-07 White Paint Composite

Lab Sample ID: 660-127129-7

No Detections.

## Client Sample ID: PS-08 gray Paint Pib Cap

Lab Sample ID: 660-127129-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.56		0.47	0.082	mg/Kg	1		6010D	Total/NA
Lead	40		0.93	0.20	mg/Kg	1		6010D	Total/NA
Zinc	12000		19	6.7	mg/Kg	10		6010D	Total/NA

## Client Sample ID: PS-9 gray Paint composite

Lab Sample ID: 660-127129-9

No Detections.

This Detection Summary does not include radiochemical test results.

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# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-01 Blue Paint NW Corner**

**Lab Sample ID: 660-127129-1**

Date Collected: 02/15/23 09:30

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.6		0.98	0.56	mg/Kg		02/20/23 10:05	02/21/23 16:48	1
Cadmium	1.2		0.49	0.086	mg/Kg		02/20/23 10:05	02/21/23 16:48	1
Lead	44		0.98	0.22	mg/Kg		02/20/23 10:05	02/21/23 16:48	1
Zinc	1200		2.0	0.71	mg/Kg		02/20/23 10:05	02/21/23 16:48	1

**General Chemistry**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.28	U	0.49	0.28	mg/Kg		02/17/23 22:31	02/18/23 21:53	1



# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-02 Blue Paint SW Corner**

**Lab Sample ID: 660-127129-2**

Date Collected: 02/15/23 09:50

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.59	U	1.0	0.59	mg/Kg		02/20/23 10:05	02/21/23 16:52	1
Cadmium	0.091	U	0.52	0.091	mg/Kg		02/20/23 10:05	02/21/23 16:52	1
<b>Lead</b>	<b>14</b>		1.0	0.23	mg/Kg		02/20/23 10:05	02/21/23 16:52	1
<b>Zinc</b>	<b>110</b>		2.1	0.75	mg/Kg		02/20/23 10:05	02/21/23 16:52	1

**General Chemistry**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.27	U	0.49	0.27	mg/Kg		02/17/23 22:31	02/18/23 21:56	1



# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-03 Blue Paint NE Corner**

**Lab Sample ID: 660-127129-3**

Date Collected: 02/15/23 10:15

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>0.71</b>	<b>I</b>	0.94	0.54	mg/Kg		02/20/23 10:05	02/21/23 16:56	1
Cadmium	0.083	U	0.47	0.083	mg/Kg		02/20/23 10:05	02/21/23 16:56	1
<b>Lead</b>	<b>26</b>		0.94	0.21	mg/Kg		02/20/23 10:05	02/21/23 16:56	1
<b>Zinc</b>	<b>170</b>		1.9	0.68	mg/Kg		02/20/23 10:05	02/21/23 16:56	1

**General Chemistry**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.26	U	0.46	0.26	mg/Kg		02/17/23 22:31	02/18/23 22:01	1



# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-04 Blue Paint SE Corner**

**Lab Sample ID: 660-127129-4**

Date Collected: 02/15/23 10:39

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.66	I	1.1	0.63	mg/Kg		02/20/23 10:05	02/21/23 17:00	1
Cadmium	0.11	I	0.56	0.098	mg/Kg		02/20/23 10:05	02/21/23 17:00	1
Lead	7.0		1.1	0.24	mg/Kg		02/20/23 10:05	02/21/23 17:00	1
Zinc	140		2.2	0.80	mg/Kg		02/20/23 10:05	02/21/23 17:00	1

**General Chemistry**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.27	U	0.48	0.27	mg/Kg		02/17/23 22:31	02/18/23 22:03	1

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# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-05 Blue Paint Composite**

**Lab Sample ID: 660-127129-5**

Date Collected: 02/15/23 11:03

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.7		0.20	0.20	mg/L		02/24/23 12:12	02/27/23 12:03	1

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# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-06 White Paint Tender House**

**Lab Sample ID: 660-127129-6**

Date Collected: 02/14/23 14:27

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5		0.93	0.53	mg/Kg		02/20/23 10:05	02/21/23 17:04	1
Cadmium	0.59		0.47	0.082	mg/Kg		02/20/23 10:05	02/21/23 17:04	1
Lead	57		0.93	0.21	mg/Kg		02/20/23 10:05	02/21/23 17:04	1
Zinc	380		1.9	0.67	mg/Kg		02/20/23 10:05	02/21/23 17:04	1

**General Chemistry**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.27	U J3	0.49	0.27	mg/Kg		02/17/23 22:31	02/18/23 21:48	1



# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-07 White Paint Composite**

**Lab Sample ID: 660-127129-7**

Date Collected: 02/14/23 15:10

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.20	U	0.20	0.20	mg/L		02/24/23 12:12	02/27/23 11:48	1

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# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-08 gray Paint Pib Cap**

**Lab Sample ID: 660-127129-8**

Date Collected: 02/15/23 11:42

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.53	U	0.93	0.53	mg/Kg		02/20/23 10:05	02/21/23 17:16	1
<b>Cadmium</b>	<b>0.56</b>		0.47	0.082	mg/Kg		02/20/23 10:05	02/21/23 17:16	1
<b>Lead</b>	<b>40</b>		0.93	0.20	mg/Kg		02/20/23 10:05	02/21/23 17:16	1
<b>Zinc</b>	<b>12000</b>		19	6.7	mg/Kg		02/20/23 10:05	02/23/23 07:02	10

**General Chemistry**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent) (SW846 7196A)	0.27	U	0.49	0.27	mg/Kg		02/17/23 22:31	02/18/23 22:06	1



# Client Sample Results

Client: Aptim Environmental & Infrastructure Inc  
Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-9 gray Paint composite**

**Lab Sample ID: 660-127129-9**

Date Collected: 02/15/23 12:18

Matrix: Solid

Date Received: 02/16/23 13:00

**Method: SW846 6010D - Metals (ICP) - TCLP**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.20	U	0.20	0.20	mg/L		02/24/23 12:12	02/27/23 11:51	1

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# QC Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Method: 6010D - Metals (ICP)

**Lab Sample ID: MB 400-613147/1-A**  
**Matrix: Solid**  
**Analysis Batch: 613444**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 613147**

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.57	U	1.0	0.57	mg/Kg		02/20/23 10:05	02/21/23 16:15	1
Cadmium	0.089	U	0.50	0.089	mg/Kg		02/20/23 10:05	02/21/23 16:15	1
Lead	0.22	U	1.0	0.22	mg/Kg		02/20/23 10:05	02/21/23 16:15	1
Zinc	1.18	I	2.0	0.72	mg/Kg		02/20/23 10:05	02/21/23 16:15	1

**Lab Sample ID: LCS 400-613147/2-A**  
**Matrix: Solid**  
**Analysis Batch: 613444**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 613147**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Arsenic	101	96.7		mg/Kg		96	80 - 120
Cadmium	50.4	46.4		mg/Kg		92	80 - 120
Lead	101	92.1		mg/Kg		91	80 - 120
Zinc	101	93.4		mg/Kg		93	80 - 120

**Lab Sample ID: 400-233343-B-1-B MS**  
**Matrix: Solid**  
**Analysis Batch: 613444**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 613147**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Arsenic	2.6		92.3	85.0		mg/Kg		89	75 - 125
Cadmium	0.081	U	46.1	40.4		mg/Kg		88	75 - 125
Lead	13		92.3	94.3		mg/Kg		89	75 - 125
Zinc	81	J3	92.3	161		mg/Kg		87	75 - 125

**Lab Sample ID: 400-233343-B-1-C MSD**  
**Matrix: Solid**  
**Analysis Batch: 613444**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 613147**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
				Result	Qualifier						
Arsenic	2.6		105	96.4		mg/Kg		89	75 - 125	13	20
Cadmium	0.081	U	52.4	45.7		mg/Kg		87	75 - 125	12	20
Lead	13		105	107		mg/Kg		90	75 - 125	13	20
Zinc	81	J3	105	202	J3	mg/Kg		115	75 - 125	22	20

**Lab Sample ID: MB 680-764888/1-A**  
**Matrix: Solid**  
**Analysis Batch: 765172**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764888**

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.020	U	0.020	0.020	mg/L		02/24/23 12:12	02/27/23 11:24	1

**Lab Sample ID: LCS 680-764888/2-A**  
**Matrix: Solid**  
**Analysis Batch: 765172**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764888**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Lead	10.1	10.5		mg/L		104	80 - 120

# QC Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Method: 6010D - Metals (ICP) (Continued)

**Lab Sample ID: LB 680-764732/1-C**  
**Matrix: Solid**  
**Analysis Batch: 765172**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 764888**

Analyte	LB LB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.20	U	0.20	0.20	mg/L		02/24/23 12:12	02/27/23 11:30	1

**Lab Sample ID: LB2 680-764732/5-E**  
**Matrix: Solid**  
**Analysis Batch: 765172**

**Client Sample ID: Method Blank**  
**Prep Type: TCLP**  
**Prep Batch: 764888**

Analyte	LB2 LB2		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.20	U	0.20	0.20	mg/L		02/24/23 12:12	02/27/23 12:00	1

**Lab Sample ID: 680-230466-E-1-H MS**  
**Matrix: Solid**  
**Analysis Batch: 765172**

**Client Sample ID: Matrix Spike**  
**Prep Type: TCLP**  
**Prep Batch: 764888**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Lead	0.20	U	1.60	1.68		mg/L		105	75 - 125

**Lab Sample ID: 680-230466-E-1-I MSD**  
**Matrix: Solid**  
**Analysis Batch: 765172**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: TCLP**  
**Prep Batch: 764888**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	Limit
				Result	Qualifier						
Lead	0.20	U	1.60	1.67		mg/L		104	75 - 125	1	20

## Method: 7196A - Chromium, Hexavalent

**Lab Sample ID: MB 400-613015/1-A**  
**Matrix: Solid**  
**Analysis Batch: 613105**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 613015**

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium (hexavalent)	0.27	U	0.49	0.27	mg/Kg		02/17/23 22:31	02/18/23 21:45	1

**Lab Sample ID: LCS 400-613015/2-A**  
**Matrix: Solid**  
**Analysis Batch: 613105**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 613015**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chromium (hexavalent)	2.46	2.40		mg/Kg		98	80 - 120

**Lab Sample ID: 660-127129-6 MS**  
**Matrix: Solid**  
**Analysis Batch: 613105**

**Client Sample ID: PS-06 White Paint Tender House**  
**Prep Type: Total/NA**  
**Prep Batch: 613015**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Chromium (hexavalent)	0.27	U J3	9.65	0.27	U J3	mg/Kg		0	85 - 115

# QC Sample Results

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Method: 7196A - Chromium, Hexavalent (Continued)

**Lab Sample ID: 660-127129-6 MSD**  
**Matrix: Solid**  
**Analysis Batch: 613105**

**Client Sample ID: PS-06 White Paint Tender House**  
**Prep Type: Total/NA**  
**Prep Batch: 613015**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
Chromium (hexavalent)	0.27	U J3	9.97	0.28	U J3	mg/Kg		0	85 - 115	NC	25

**Lab Sample ID: MRL 400-613105/13**  
**Matrix: Solid**  
**Analysis Batch: 613105**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec
		Result	Qualifier				Limits
Chromium (hexavalent)	0.00500	0.00560	I	mg/L		112	50 - 150

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# QC Association Summary

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Metals

### Prep Batch: 613147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-127129-1	PS-01 Blue Paint NW Corner	Total/NA	Solid	3050B	
660-127129-2	PS-02 Blue Paint SW Corner	Total/NA	Solid	3050B	
660-127129-3	PS-03 Blue Paint NE Corner	Total/NA	Solid	3050B	
660-127129-4	PS-04 Blue Paint SE Corner	Total/NA	Solid	3050B	
660-127129-6	PS-06 White Paint Tender House	Total/NA	Solid	3050B	
660-127129-8	PS-08 gray Paint Pib Cap	Total/NA	Solid	3050B	
MB 400-613147/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 400-613147/2-A	Lab Control Sample	Total/NA	Solid	3050B	
400-233343-B-1-B MS	Matrix Spike	Total/NA	Solid	3050B	
400-233343-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	

### Analysis Batch: 613444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-127129-1	PS-01 Blue Paint NW Corner	Total/NA	Solid	6010D	613147
660-127129-2	PS-02 Blue Paint SW Corner	Total/NA	Solid	6010D	613147
660-127129-3	PS-03 Blue Paint NE Corner	Total/NA	Solid	6010D	613147
660-127129-4	PS-04 Blue Paint SE Corner	Total/NA	Solid	6010D	613147
660-127129-6	PS-06 White Paint Tender House	Total/NA	Solid	6010D	613147
660-127129-8	PS-08 gray Paint Pib Cap	Total/NA	Solid	6010D	613147
MB 400-613147/1-A	Method Blank	Total/NA	Solid	6010D	613147
LCS 400-613147/2-A	Lab Control Sample	Total/NA	Solid	6010D	613147
400-233343-B-1-B MS	Matrix Spike	Total/NA	Solid	6010D	613147
400-233343-B-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	6010D	613147

### Analysis Batch: 613646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-127129-8	PS-08 gray Paint Pib Cap	Total/NA	Solid	6010D	613147

### Leach Batch: 764732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-127129-5	PS-05 Blue Paint Composite	TCLP	Solid	1311	
660-127129-7	PS-07 White Paint Composite	TCLP	Solid	1311	
660-127129-9	PS-9 gray Paint composite	TCLP	Solid	1311	
LB 680-764732/1-C	Method Blank	TCLP	Solid	1311	
LB2 680-764732/5-E	Method Blank	TCLP	Solid	1311	
680-230466-E-1-H MS	Matrix Spike	TCLP	Solid	1311	
680-230466-E-1-I MSD	Matrix Spike Duplicate	TCLP	Solid	1311	

### Prep Batch: 764888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-127129-5	PS-05 Blue Paint Composite	TCLP	Solid	3010A	764732
660-127129-7	PS-07 White Paint Composite	TCLP	Solid	3010A	764732
660-127129-9	PS-9 gray Paint composite	TCLP	Solid	3010A	764732
LB 680-764732/1-C	Method Blank	TCLP	Solid	3010A	764732
LB2 680-764732/5-E	Method Blank	TCLP	Solid	3010A	764732
MB 680-764888/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 680-764888/2-A	Lab Control Sample	Total/NA	Solid	3010A	
680-230466-E-1-H MS	Matrix Spike	TCLP	Solid	3010A	764732
680-230466-E-1-I MSD	Matrix Spike Duplicate	TCLP	Solid	3010A	764732

Eurofins Tampa

# QC Association Summary

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Metals

### Analysis Batch: 765172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-127129-5	PS-05 Blue Paint Composite	TCLP	Solid	6010D	764888
660-127129-7	PS-07 White Paint Composite	TCLP	Solid	6010D	764888
660-127129-9	PS-9 gray Paint composite	TCLP	Solid	6010D	764888
LB 680-764732/1-C	Method Blank	TCLP	Solid	6010D	764888
LB2 680-764732/5-E	Method Blank	TCLP	Solid	6010D	764888
MB 680-764888/1-A	Method Blank	Total/NA	Solid	6010D	764888
LCS 680-764888/2-A	Lab Control Sample	Total/NA	Solid	6010D	764888
680-230466-E-1-H MS	Matrix Spike	TCLP	Solid	6010D	764888
680-230466-E-1-I MSD	Matrix Spike Duplicate	TCLP	Solid	6010D	764888

## General Chemistry

### Prep Batch: 613015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-127129-1	PS-01 Blue Paint NW Corner	Total/NA	Solid	3060A	
660-127129-2	PS-02 Blue Paint SW Corner	Total/NA	Solid	3060A	
660-127129-3	PS-03 Blue Paint NE Corner	Total/NA	Solid	3060A	
660-127129-4	PS-04 Blue Paint SE Corner	Total/NA	Solid	3060A	
660-127129-6	PS-06 White Paint Tender House	Total/NA	Solid	3060A	
660-127129-8	PS-08 gray Paint Pib Cap	Total/NA	Solid	3060A	
MB 400-613015/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 400-613015/2-A	Lab Control Sample	Total/NA	Solid	3060A	
660-127129-6 MS	PS-06 White Paint Tender House	Total/NA	Solid	3060A	
660-127129-6 MSD	PS-06 White Paint Tender House	Total/NA	Solid	3060A	

### Analysis Batch: 613105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-127129-1	PS-01 Blue Paint NW Corner	Total/NA	Solid	7196A	613015
660-127129-2	PS-02 Blue Paint SW Corner	Total/NA	Solid	7196A	613015
660-127129-3	PS-03 Blue Paint NE Corner	Total/NA	Solid	7196A	613015
660-127129-4	PS-04 Blue Paint SE Corner	Total/NA	Solid	7196A	613015
660-127129-6	PS-06 White Paint Tender House	Total/NA	Solid	7196A	613015
660-127129-8	PS-08 gray Paint Pib Cap	Total/NA	Solid	7196A	613015
MB 400-613015/1-A	Method Blank	Total/NA	Solid	7196A	613015
LCS 400-613015/2-A	Lab Control Sample	Total/NA	Solid	7196A	613015
MRL 400-613105/13	Lab Control Sample	Total/NA	Solid	7196A	
660-127129-6 MS	PS-06 White Paint Tender House	Total/NA	Solid	7196A	613015
660-127129-6 MSD	PS-06 White Paint Tender House	Total/NA	Solid	7196A	613015

# Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Client Sample ID: PS-01 Blue Paint NW Corner

Lab Sample ID: 660-127129-1

Date Collected: 02/15/23 09:30

Matrix: Solid

Date Received: 02/16/23 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.509 g	50 mL	613147	02/20/23 10:05	CJK	EET PEN
							Completed:	02/20/23 13:53 <sup>1</sup>		
Total/NA	Analysis	6010D		1			613444	02/21/23 16:48	LSS	EET PEN
Total/NA	Prep	3060A			5.0675 g	50 mL	613015	02/17/23 22:31	DN1	EET PEN
Total/NA	Analysis	7196A		1	100 mL	100 mL	613105	02/18/23 21:53	DN1	EET PEN

## Client Sample ID: PS-02 Blue Paint SW Corner

Lab Sample ID: 660-127129-2

Date Collected: 02/15/23 09:50

Matrix: Solid

Date Received: 02/16/23 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.482 g	50 mL	613147	02/20/23 10:05	CJK	EET PEN
							Completed:	02/20/23 13:53 <sup>1</sup>		
Total/NA	Analysis	6010D		1			613444	02/21/23 16:52	LSS	EET PEN
Total/NA	Prep	3060A			5.1535 g	50 mL	613015	02/17/23 22:31	DN1	EET PEN
Total/NA	Analysis	7196A		1	100 mL	100 mL	613105	02/18/23 21:56	DN1	EET PEN

## Client Sample ID: PS-03 Blue Paint NE Corner

Lab Sample ID: 660-127129-3

Date Collected: 02/15/23 10:15

Matrix: Solid

Date Received: 02/16/23 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.532 g	50 mL	613147	02/20/23 10:05	CJK	EET PEN
							Completed:	02/20/23 13:53 <sup>1</sup>		
Total/NA	Analysis	6010D		1			613444	02/21/23 16:56	LSS	EET PEN
Total/NA	Prep	3060A			5.3785 g	50 mL	613015	02/17/23 22:31	DN1	EET PEN
Total/NA	Analysis	7196A		1	100 mL	100 mL	613105	02/18/23 22:01	DN1	EET PEN

## Client Sample ID: PS-04 Blue Paint SE Corner

Lab Sample ID: 660-127129-4

Date Collected: 02/15/23 10:39

Matrix: Solid

Date Received: 02/16/23 13:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.450 g	50 mL	613147	02/20/23 10:05	CJK	EET PEN
							Completed:	02/20/23 13:53 <sup>1</sup>		
Total/NA	Analysis	6010D		1			613444	02/21/23 17:00	LSS	EET PEN
Total/NA	Prep	3060A			5.1635 g	50 mL	613015	02/17/23 22:31	DN1	EET PEN
Total/NA	Analysis	7196A		1	100 mL	100 mL	613105	02/18/23 22:03	DN1	EET PEN

# Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

**Client Sample ID: PS-05 Blue Paint Composite**  
 Date Collected: 02/15/23 11:03  
 Date Received: 02/16/23 13:00

**Lab Sample ID: 660-127129-5**  
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			50.08 g	1000 mL	764732	02/23/23 16:45	WRB	EET SAV
TCLP	Prep	3010A			2.5 mL	25 mL	764888	02/24/23 12:12	RR	EET SAV
TCLP	Analysis	6010D		1			765172	02/27/23 12:03	BJB	EET SAV

**Client Sample ID: PS-06 White Paint Tender House**  
 Date Collected: 02/14/23 14:27  
 Date Received: 02/16/23 13:00

**Lab Sample ID: 660-127129-6**  
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.536 g	50 mL	613147	02/20/23 10:05	CJK	EET PEN
								Completed: 02/20/23 13:53 <sup>1</sup>		
Total/NA	Analysis	6010D		1			613444	02/21/23 17:04	LSS	EET PEN
Total/NA	Prep	3060A			5.1254 g	50 mL	613015	02/17/23 22:31	DN1	EET PEN
Total/NA	Analysis	7196A		1	100 mL	100 mL	613105	02/18/23 21:48	DN1	EET PEN

**Client Sample ID: PS-07 White Paint Composite**  
 Date Collected: 02/14/23 15:10  
 Date Received: 02/16/23 13:00

**Lab Sample ID: 660-127129-7**  
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			50.08 g	1000 mL	764732	02/23/23 16:45	WRB	EET SAV
TCLP	Prep	3010A			2.5 mL	25 mL	764888	02/24/23 12:12	RR	EET SAV
TCLP	Analysis	6010D		1			765172	02/27/23 11:48	BJB	EET SAV

**Client Sample ID: PS-08 gray Paint Pib Cap**  
 Date Collected: 02/15/23 11:42  
 Date Received: 02/16/23 13:00

**Lab Sample ID: 660-127129-8**  
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.537 g	50 mL	613147	02/20/23 10:05	CJK	EET PEN
								Completed: 02/20/23 13:53 <sup>1</sup>		
Total/NA	Analysis	6010D		1			613444	02/21/23 17:16	LSS	EET PEN
Total/NA	Prep	3050B			0.537 g	50 mL	613147	02/20/23 10:05	CJK	EET PEN
								Completed: 02/20/23 13:53 <sup>1</sup>		
Total/NA	Analysis	6010D		10			613646	02/23/23 07:02	LSS	EET PEN
Total/NA	Prep	3060A			5.0911 g	50 mL	613015	02/17/23 22:31	DN1	EET PEN
Total/NA	Analysis	7196A		1	100 mL	100 mL	613105	02/18/23 22:06	DN1	EET PEN

**Client Sample ID: PS-9 gray Paint composite**  
 Date Collected: 02/15/23 12:18  
 Date Received: 02/16/23 13:00

**Lab Sample ID: 660-127129-9**  
 Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			50.00 g	1000 mL	764732	02/23/23 16:45	WRB	EET SAV
TCLP	Prep	3010A			2.5 mL	25 mL	764888	02/24/23 12:12	RR	EET SAV
TCLP	Analysis	6010D		1			765172	02/27/23 11:51	BJB	EET SAV

<sup>1</sup> Completion dates and times are reported or not reported per method requirements or individual lab discretion.

# Lab Chronicle

Client: Aptim Environmental & Infrastructure Inc  
Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Laboratory References:

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001  
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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# Method Summary

Client: Aptim Environmental & Infrastructure Inc  
Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	EET PEN
6010D	Metals (ICP)	SW846	EET SAV
7196A	Chromium, Hexavalent	SW846	EET PEN
1311	TCLP Extraction	SW846	EET SAV
3010A	Preparation, Total Metals	SW846	EET SAV
3050B	Preparation, Metals	SW846	EET PEN
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET PEN

**Protocol References:**

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

**Laboratory References:**

EET PEN = Eurofins Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

# Accreditation/Certification Summary

Client: Aptim Environmental & Infrastructure Inc  
 Project/Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands

Job ID: 660-127129-1

## Laboratory: Eurofins Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	FLGNV23001	01-08-26
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-05-23

## Laboratory: Eurofins Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-23

# Chain of Custody Record



TestAmerica Laboratories, Inc.

Regulatory Program:  DW  NPDES  RCRA  Other:

Project Manager: **Laura Herron**  
 813-612-3602/727-743-2329

Site Contact: **Bill Zukauskas**  
 Lab Contact:

Client: **Jack...**  
 Address: **904-509-s**  
**904-367-6001**  
**Atkins - FDOT 6 - Bridge 875101**  
**Site: FDOT 6 - Bridge 875101 - Bay Harbor Islands**  
**P O # 631027840**

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Analysis Turnaround Time		Carrier: FedEx	Sample Specific Notes:
						CALENDAR DAYS	WORKING DAYS		
PS-01 Blue paint NW corner	2/17/23	0930	G	paint	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PS-02 SW corner	↓	0930	G	↓	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PS-03 NE corner	↓	1015	G	↓	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PS-04 SE corner	↓	1029	G	↓	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PS-05 composite	↓	1103	C	↓	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PS-06 white paint Toddler House	2/19/23	1427	G	↓	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PS-07 composite	↓	1510	C	↓	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PS-08 gray paint Pil cap	2/15/23	1142	G	↓	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PS-09 composite	↓	1218	C	↓	1	<input type="checkbox"/>	<input checked="" type="checkbox"/>		



Loc: 660  
127129

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

Received by: **[Signature]** Company: **ELO** Date/Time: **2/16/23 1300**

Received in Laboratory by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Therm ID No.: \_\_\_\_\_

21.2 21.0 cu - 99





# Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 660-127129-1

**Login Number: 127129**

**List Source: Eurofins Tampa**

**List Number: 1**

**Creator: Redding, Charles S**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# Login Sample Receipt Checklist

Client: Aptim Environmental & Infrastructure Inc

Job Number: 660-127129-1

**Login Number: 127129**

**List Number: 2**

**Creator: Peckinpaugh, Marshall**

**List Source: Eurofins Pensacola**

**List Creation: 02/17/23 02:08 PM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





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March 24, 2023

Project 631027840

Ms. Wendy G. Lasher, AICP  
Florida Transportation Planning and PD&E  
ATKINS North America, Inc.  
4030 West Boy Scout Boulevard, Suite 700  
Tampa, Florida 33607

**Re: Potential Polychlorinated Biphenyls (PCBs)  
Bridge No. 875101  
Broad Causeway Bridge (SR 922/NE 123<sup>rd</sup> Street) over Intercoastal Waterway  
Bay Harbor Islands, Dade County, Florida**

Dear Ms. Lasher:

Aptim Environmental & Infrastructure, LLC (APTIM) is pleased to present this letter summarizing the potential for polychlorinated biphenyls (PCBs) located at Bridge No. 875101 (Broad Causeway Bridge), which carries State Road 922/NE 123<sup>rd</sup> Street vehicle traffic over the Intercoastal Waterway River in Bay Harbor Islands, Dade County, Florida. This assessment was conducted on February 15, 2023. **Figure 1** shows the location of the bridge. ATKINS North America, Inc. (ATKINS) authorized APTIM to evaluate the potential for PCB containing equipment and materials at the bridge in advance of its replacement.

## **BACKGROUND ON PCBS**

PCBs are mixtures of synthetic organic chemicals that were commonly used for various applications from approximately 1929 until 1979 when the U.S. Environmental Protection Agency (EPA) banned PCB manufacturing, processing, distribution, and use under a series of EPA actions under the Toxic Substances Control Act (TSCA). Items such as transformers and hydraulic fluids were identified as high-risk sources and were targeted for accelerated phase-out. PCBs are normally encountered in electrical transformers, and capacitors, as well as coolants, hydraulic fluids, and lubricants used in industrial equipment and machinery.

## **POTENTIAL PCB CONTAINING EQUIPMENT**

### **Electrical Transformers**

The Broad Causeway Bridge, No. 875101, has an Equipment Building containing a Florida Power & Light (FPL) transformer room that was not accessible during the assessment. According to the Bay

Harbor Islands site contact, Mr. Sergey Koretko, only FP&L employees are allowed access to the room. Repeated calls and emails to FP&L for access went unanswered. However, Mr. Koretko stated during the bridge site visit, that he had been in the transformer room the month prior and had not observed leaks or oil stains in the room. The electrical transformers on site are the property of FP&L and are maintained by them, as needed.

Under Federal regulation, 40 CFR Part 761, owners of PCB transformers must register them with the EPA which maintains a data base with their locations. A review of the data base did not indicate FP&L owned PCB-containing transformers in the inventory. Additionally, a review of available articles on FP&L transformers found a New York Times article from 1996 indicating that FP&L had replaced all PCB containing transformers and capacitors within the State of Florida, including 419 located in Dade County.

### **Bridge Machinery**

The Broad Causeway Bridge, No. 875101, is a bascule-type drawbridge and functions by lifting the two sections of horizontal bridge deck to a vertical position by the means of counterweights and a hydraulic and/or mechanical winch. The lifting equipment is located in the on both the east and west sides of the metal deck sections. A visual assessment of the equipment indicated that all of the units had oil leaks with extensive staining on the floors of the equipment bays. There were no noticeable labels or data plates indicating if the units contained PCBs.

Photographs of the bridge and lifting equipment are provided in **Appendix A**.

### **RECOMMENDATIONS FOR POTENTIAL PCBs**

The contractor selected to perform the renovation or demolition of the bridge should be familiar with and comply with all parts of the Occupational Safety and Health Administration (OSHA) Construction Standard contained in 29 CFR 1926.

Presently, there are no comprehensive OSHA regulations concerning PCB exposure. However, OSHA has set permissible exposure limits (PELs) for PCBs of 42% (concentration) at 1 milligram per cubic meter (mg/m<sup>3</sup>) and PCBs of 54% (concentration) at 0.5 mg/m<sup>3</sup>.

Hydraulic fluids, lubricants and coolants located at the bridge should be tested for PCBs by Test Method 8082A: Polychlorinated Biphenyls by Gas Chromatography.

Used oil containing PCBs at concentrations of 50 parts per million (ppm) or greater is strictly regulated for disposal under the Toxic Substances Control Act (TSCA). These materials must be disposed of

**Figure**



OFFICE: TAMPA	DATE: 3-17-23	ACAD FILE: 7840A1
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**SITE LOCATION MAP**

CLIENT: ATKINS	PM: LH
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LOCATION:  
BRIDGE 875101  
NE 123rd STREET (SR 922) over  
INTERCOASTAL WATERWAY  
BAY HARBOR ISLANDS, MIAMI-DADE COUNTY, FL



APTIM ENVIRONMENTAL &  
INFRASTRUCTURE, LLC  
725 U.S. HIGHWAY 301 SOUTH  
TAMPA, FLORIDA 33619  
(813) 612-3600 OFFICE  
(813) 626-1663 FAX

DESIGNED: WBZ	DRAWN: SDJF	PROJECT NO.: 631027840	FIGURE: <b>1</b>
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**Appendix A**  
**Photographic Log**

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – PCB Photo Log**



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Bridge Number On Railing

Photograph No: 1  
Date: 2/15/2023



Project No: 631027840  
Photographer: William Zukauskas  
Description: Bridge 875101  
View: Southwest End Of Bridge Looking East

Photograph No: 2  
Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – PCB Photo Log**



Project No: 631027840

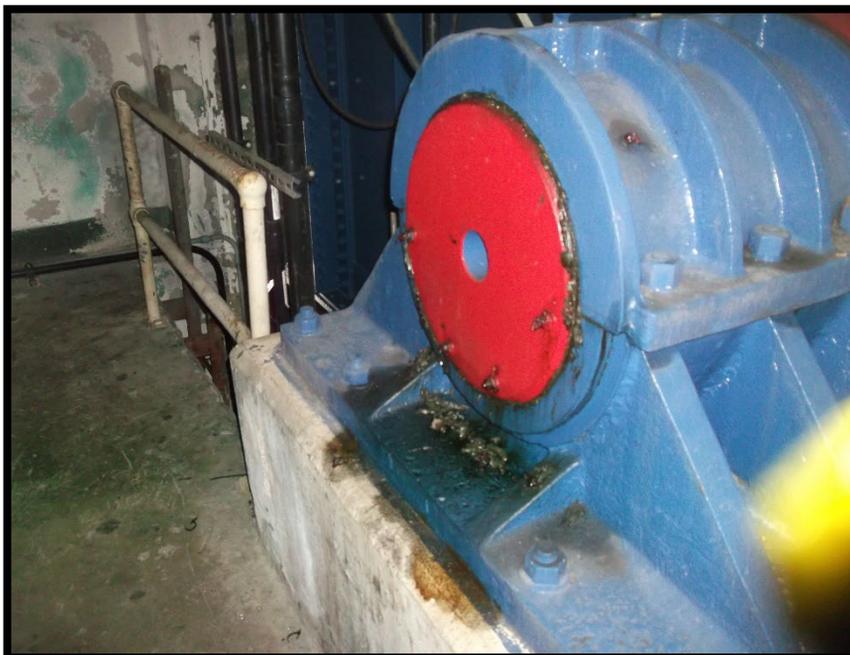
Photographer: William Zukauskas

Description: Bridge 875101

View: Bridge Equipment Building with FP&L Transformer Room

Photograph No: 3

Date: 2/15/2023



Project No: 631027840

Photographer: William Zukauskas

Description: Bridge 875101

View: Bridge Lifting Equipment Leaking Oil – East Side of Bridge

Photograph No: 4

Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – PCB Photo Log**



Project No: 631027840

Photographer: William Zukauskas

Description: Bridge 875101

View: Bridge Lifting Equipment Leaking Oil – East Side of Bridge

Photograph No: 5

Date: 2/15/2023



Project No: 631027840

Photographer: William Zukauskas

Description: Bridge 875101

View: Bridge Lifting Equipment Leaking Oil – Oil-Stained Floor, East Side of Bridge

Photograph No: 6

Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – PCB Photo Log**



Project No: 631027840

Photographer: William Zukauskas

Description: Bridge 875101

View: Bridge Lifting Equipment Leaking Oil – West Side of Bridge

Photograph No: 7

Date: 2/15/2023



Project No: 63102784

Photographer: William Zukauskas

Description: Bridge 875101

View: Oil-Stained Floor – West Side of Bridge

Photograph No: 8

Date: 2/15/2023

**Broad Causeway Bridge over Intercoastal Waterway  
Bridge #875101  
Dade County, Florida – PCB Photo Log**



Project No: 631027840

Photographer: William Zukauskas

Description: Bridge 875101

View: Bridge Lifting Equipment Leaking Oil – West Side of Bridge

Photograph No: 9

Date: 2/15/2023



Project No: 631027840

Photographer: William Zukauskas

Description: Bridge 875101

View: Bridge Lifting Equipment Leaking Oil – Oil-Stained Floor, West Side of Bridge

Photograph No: 10

Date: 2/15/2023

properly.

Contractors should perform renovation or demolition activities in such a way as to ensure that workers on the project are not exposed to PCBs.

## **DISCLAIMER**

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. APTIM is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. APTIM does not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

APTIM appreciates this opportunity to assist ATKINS with this project. Should you have any questions regarding this report, please contact me at (813) 612-3602 or by e-mail at [laura.herron@aptim.com](mailto:laura.herron@aptim.com).

Sincerely,



Laura J. Herron, CIH, CSP, CHMM, CPEA, REM  
Project Manager I



William B. Zukauskas, CMA  
EH&S Supervisor II

Attachments: Figure 1  
Appendix A



**Town of Bay Harbor Islands**

9665 Bay Harbor Terrace  
Bay Harbor Islands, FL 33154  
(305) 866-6241