

**Miami River Commission
Public Meeting Minutes
December 2, 2024**

The Miami River Commission's (MRC) public meeting convened at noon, December 2, 2024, in the Downtown Library Auditorium, 101 W Flagler. Sign in sheets are attached.

Miami River Commission (MRC) Policy Committee Members and/or Designees attending:

Horacio Stuart Aguirre, Chairman, Appointed by the Governor
James Murley, Vice-Chairman, designee for Miami-Dade County Daniela Levine Cava
Eddie Marti Kring, designee for County Commissioner Eileen Higgins
Betty Hermida, designee for City of Miami Commissioner Gabela
Barrett Long, designee Neighborhood Representative appointed by Board of County Commissioners
Eileen Broton, Neighborhood Representative Appointed by City of Miami Commission
Alvaro Coradin, designee for Sara Babun appointed by Miami-Dade County
Bruce Brown, Miami River Marine Group
John Michael Cornell, designee for Luis Garcia
Spencer Crowley, Member at Large Appointed by the City Commission
Philip Everingham, designee for Marine Council
William Gonzalez, designee for Miami-Dade State Attorney Katherine Fernandez Rundle
Lorena Pucme, designee for Downtown Development Authority

MRC Staff:

Brett Bibeau, Managing Director

I) Chair's Report and "Voluntary Improvement Plan" (VIP) Update

The Miami River Commission unanimously adopted their November public meeting minutes.

MRC Chairman Aguirre provided the following report:

Copies of the MRC produced Miami River 2025 Calendar were distributed. Chairman Aguirre thanked all of the advertisers.

The free 26th Annual Miami Riverday will be held April 5, 2025, 1-6 PM, Lummus Park, 250 NW North River Drive, featuring free boat rides, live music, environmental education, historic reenactors, children's activities, food and drinks. Sponsorships are available with MRC Director Brett Bibeau

In addition, advertisements are available for the 22nd Annual Miami River Map and Guide.

MRC Vice Chairman Jim Murley provided the following Miami River Voluntary Improvement Plan (VIP) update:

The Miami River Commission has been actively assisting the efforts of the City, County, State, and private sector to clean up the Miami River District. The MRC pays professional maintenance companies every day to remove litter, invasive plant species, graffiti and provide landscaping, pressure washing, vacuum truck, and Scavenger Water Decontamination Vessel services along the Miami River. In addition, the MRC thanks the Hands-on Miami volunteers whom picked up garbage along the Miami River in Sewell Park on November 10, and in Curtis Park on November 17.

II. Presentation Regarding City of Miami's Planned and Funded Restorations of the 1844 Fort Dallas and the 1858 Wagner Homestead Located in Lummus Park

Hector Badia, City of Miami Capital Improvements Department, stated the City of Miami is working towards conducting needed repairs of the 1856 Wagner Homestead (the oldest home in Miami-Dade County) which needs a new roof and wooded beam repairs due to termite damage, the 1844 Fort Dallas which has a crack in the wall with the fireplace, and the Community Center Buildings. Mr. Badia stated the Dade Heritage Trust received a grant which they have been offering the City of Miami to construct the needed repairs of the Wagner Homestead.

MRC Chairman Aguirre asked the MRC Urban Infill & Greenways Subcommittee to discuss future uses and increased activations of the historically designated Wagner Homestead, Fort Dallas, and Flagler Workers House, and the dock in FT Dallas Park following their restorations which are scheduled to be completed in 2025.

Spencer Crowley stated if the City of Miami applies for a Grant, FIND may fund 50% of the cost to repair the public dock in FT Dallas Park.

III. Update Regarding Urban Related / Miami Dade County "RiverParc" Development at 1401-1407 NW 7 ST

Mr. Andrew Velo, Urban Related, presented a PowerPoint regarding the mixed-income redevelopment of the site, with restored affordable housing for senior citizens, affordable, work force and market rate residential units. Specific to the Miami River Mr. Velo stated they completed construction of 800 linear feet of new seawall, will include a public riverwalk consistent with City Code, and would like to extend the new seawall to the west and create a new riverfront public park space beneath 836. The upcoming riverfront phase will include 2 buildings 21-stories each, and an 8-story parking pedestal.

Kirk Lofgren, Ocean Consulting, stated they are applying for a maintenance dredging permit to allow 10 vessels which the permit will require be for use only by residents. Spencer Crowley stated the MRC should support the maintenance dredging and 10 vessels, but with expanded uses i.e. water transportation and the previously Board of County Commissioners approved ability for the adjacent RMK Merrill-Stevens to dock yachts. Mr. Velo, Mr. Lofgren, and Ms. Latte, Kimley Horn & Associates, agreed to present for further discussion regarding the large site's riverfront phase at an upcoming MRC Urban Infill and Greenways subcommittee's public meeting.

IV. Discussion Regarding Reopening the Public Parking Lot at 474 NW 4 ST

Eddie Marti Kring, designee for Commissioner Eileen Higgins, stated the Miami-Dade County Internal Services Department will reopen the County owned needed public parking lot adjacent to Lummus Park and several riverfront restaurants.

IV. New Business

The public meeting adjourned.

Miami River Commission

Public Meeting

December 2, 2024 - 12:00 PM

101 W Flagler, Miami FL - Main Library Auditorium

Name	Organization	Telephone	Email
Lourdes Isalguer	self	786-597-8067	Lourdes.isalguer@gmail.com
Kirk Hofgren	Ocean Consulting	(305) 457-5573	KIRK@ OCEANCONSULTINGFL COM
Andrew Velo-Arias	Related Urban	(305) 457-7541	AVELO@RELATEDGROUP.COM
Julio Tejeda	SFWMD	5618364261	JTejeda@SFWMD.gov
Janet Mestri	Antillean	305-303-6230	jmestri@antillean.com
ALVARO CORADIN	ANTILLEAN	305-606-3507	SCORADIN@ANTILLEAN.COM
Hector Barria	City of Miami DCI	31416-1280	HBRADIA@MIAMI1620.COM
Barrett Long	MAL	(305) 725-8803	Barrett@longsun.com
Will Gonzalez	Miami SDO	305-547-0100	WilliamGonzalez@miamisdo.com
BROCK BROWN	MRRM4	305/728-6411	BRUCEB@MRRM4.COM
LORENA PUCHE	MIAMI ODA	305 579 6675	Puche@miamidda.com
PHIL EVERINGHAM	MRC/MARINE COUNCIL	305 951-9096	pbemsdd@hotmail.com
JAMES MURLEY	SELF/representing MDC Mayor	305-968-4888	JAMESJeniMoreMurley@gmail.com

Miami River Commission

Public Meeting

December 2, 2024 - 12:00 PM

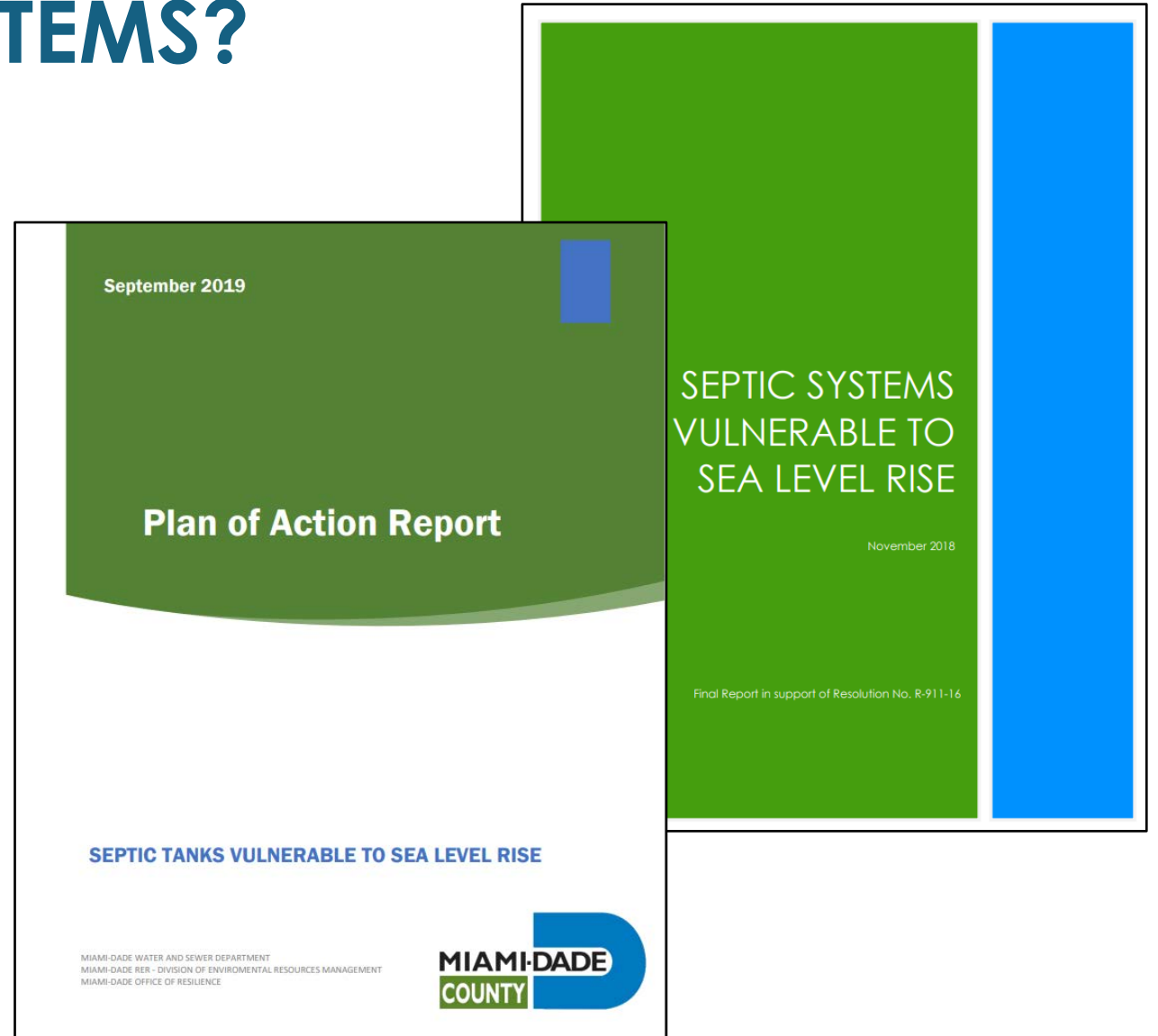
101 W Flagler, Miami FL - Main Library Auditorium

Name	Organization	Telephone	Email
Enten Brodm	SB + MRC	31790-6284	EBrodm@epm.com
Betty Hermida	Miami-DI	786-853-0559	vmhermida@comcast.net
Edward Merle King	BCC MDC-DS	305 213 0118	Edwin.Merle.King@miamiwater.gov
Brett Bibeau	MRC	305 644 0544	brettbibeau@mianiriver.commission.org
Horacio Stuart Aguirre	MRC		
Spencer Conley	FIND	fconley@find.org	305 982 5549
Michelle Latta	Kimley-Horn	michelle.latta@kimley-horn.com	305-790 1196
John Cornell	MRC	johncornell@zerbyinterests.com	(580) 214-1475



CONNECT² PROTECT C-6 Canal Basin

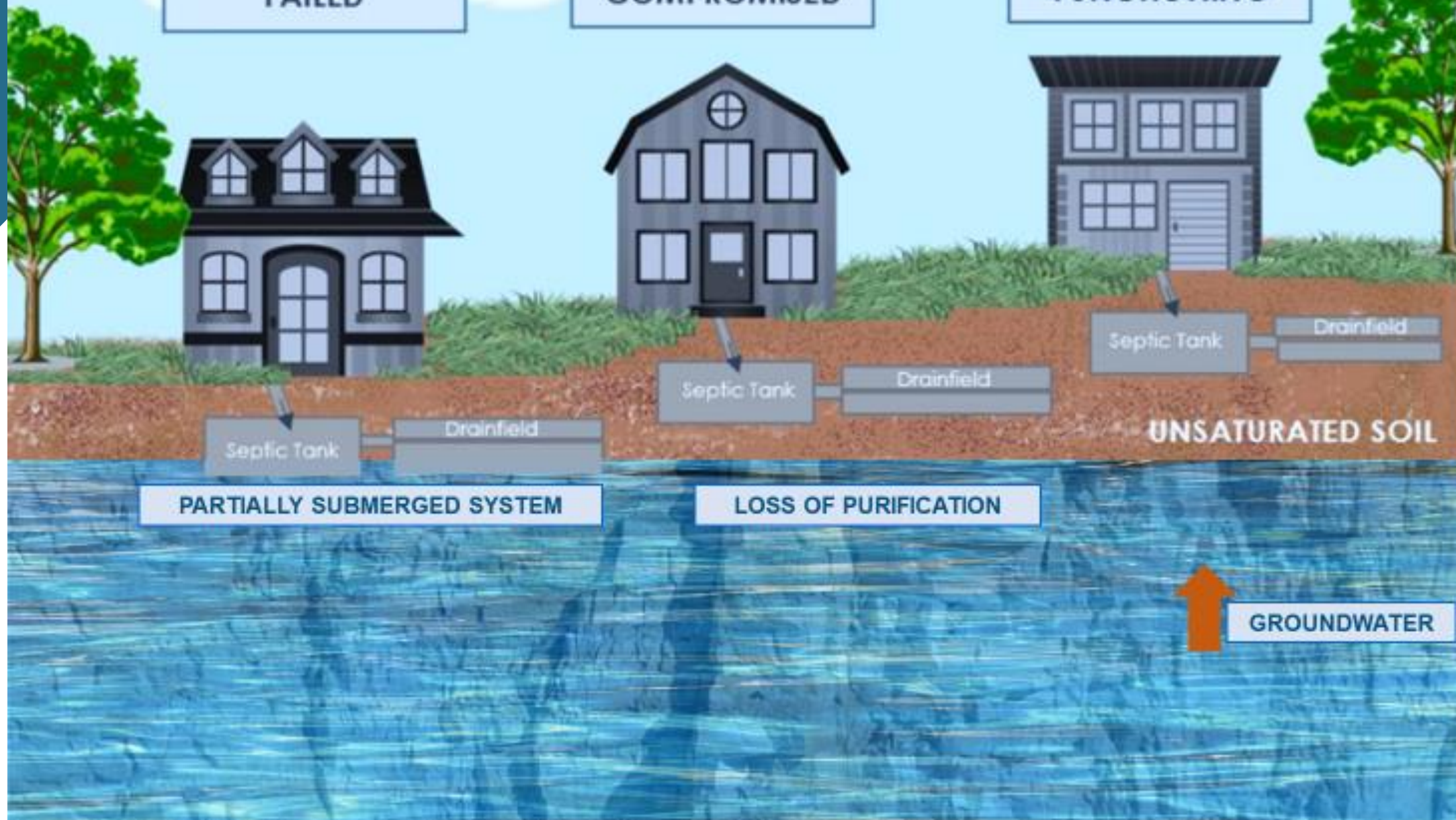
HOW IS THE COUNTY ADDRESSING SEPTIC TANK SYSTEMS?

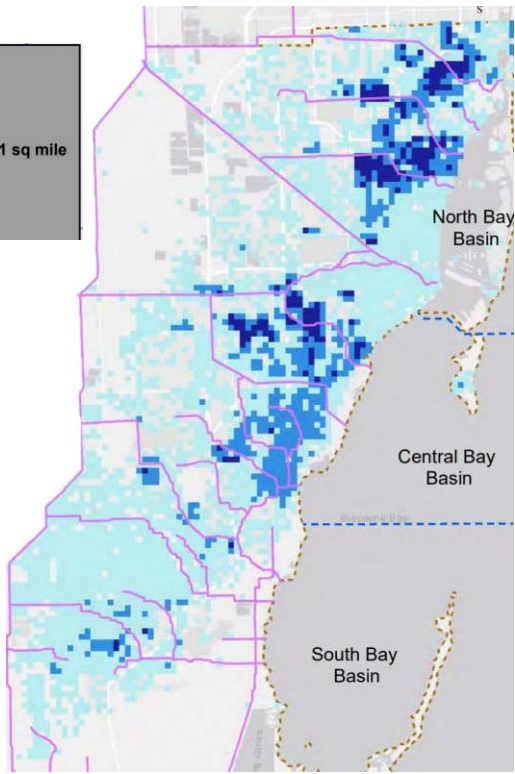
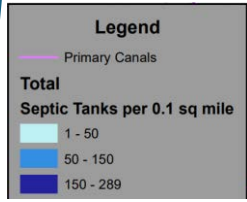


FAILED

COMPROMISED

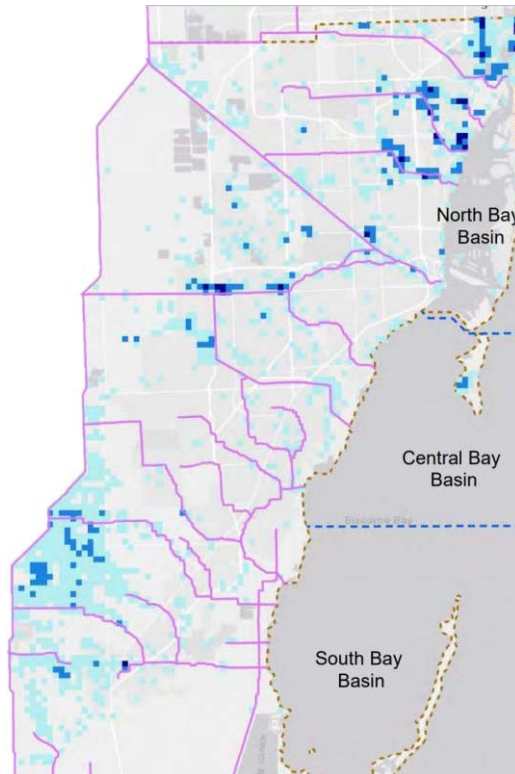
FUNCTIONING





Septic Tank Systems

~120,000 Countywide

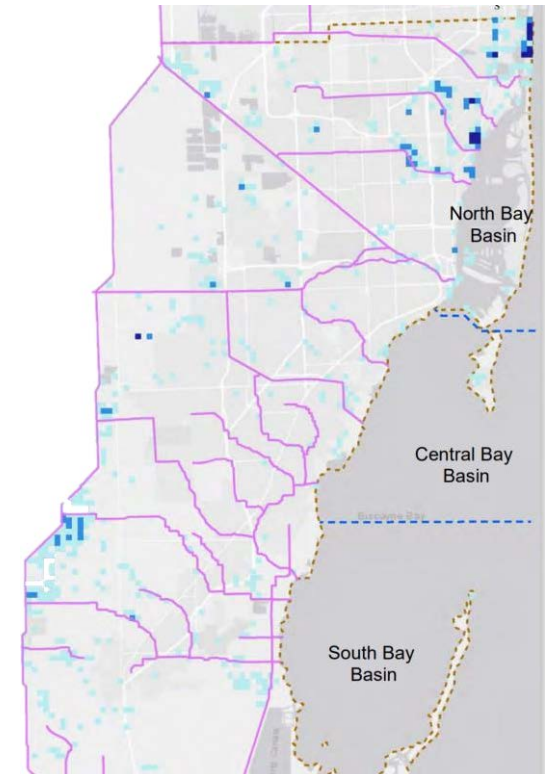


Compromised Septic Tank Systems

2020: ~2,000

2040: ~3,500

Loss of purification



Failing Septic Tank Systems

2020: ~7,000

2040: ~10,500

Partially submerged system





Priority Level
 Low
 Medium
 High

Legend
 Canals
 Streams

LATERAL EXPANSION PROGRAM

Scope:

- Installation of sewer laterals to homes abutting sewer infrastructure
- Prioritized by vulnerability and proximity to surface waters

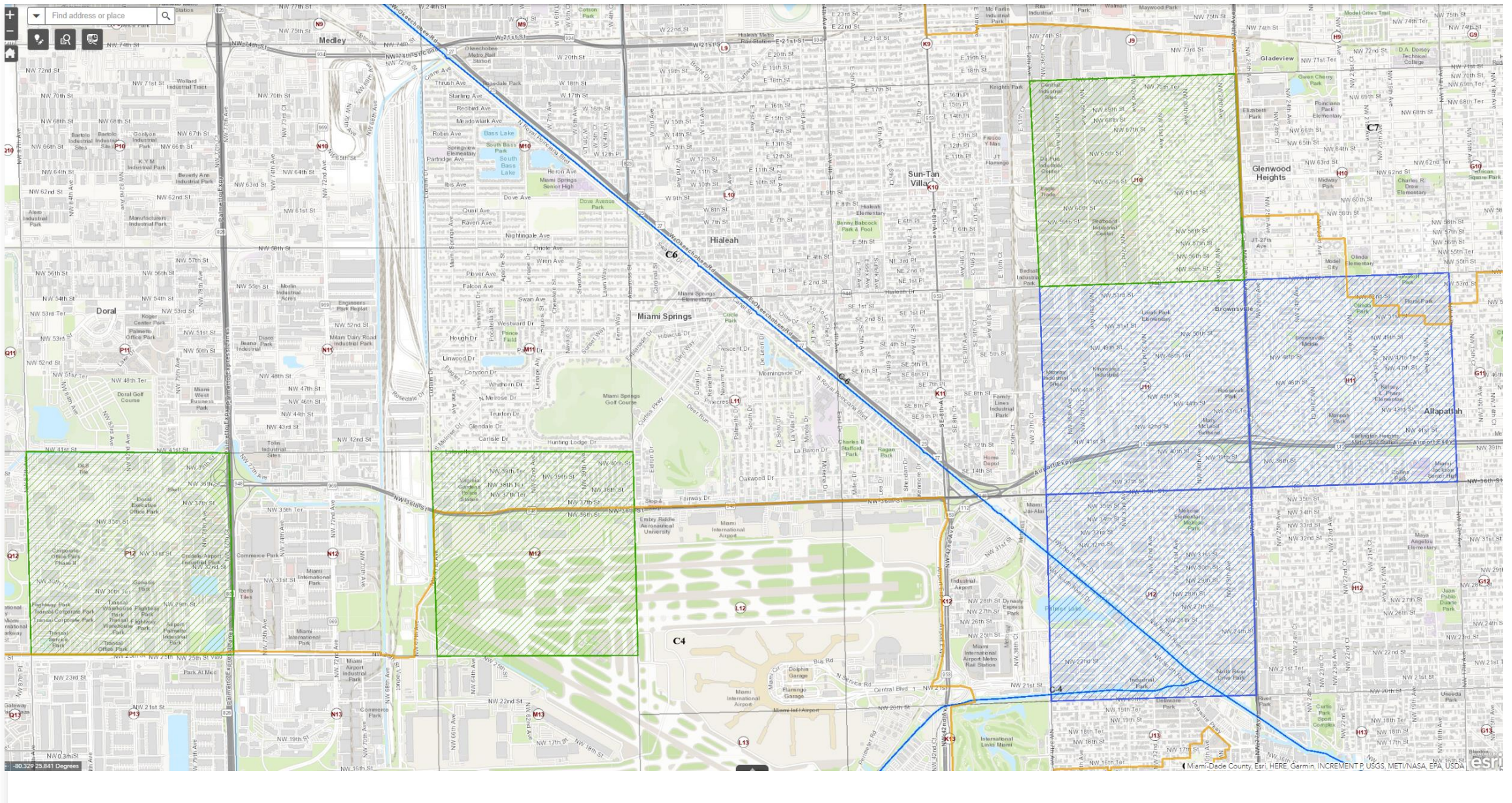
Funding:

\$90 Million Miami Dade County Funds



~ 9000
Connections

~ 300 lateral to be installed in the C-6 Canal Basin



COMMERCIAL CORRIDORS CONNECTION PROJECT

Scope:

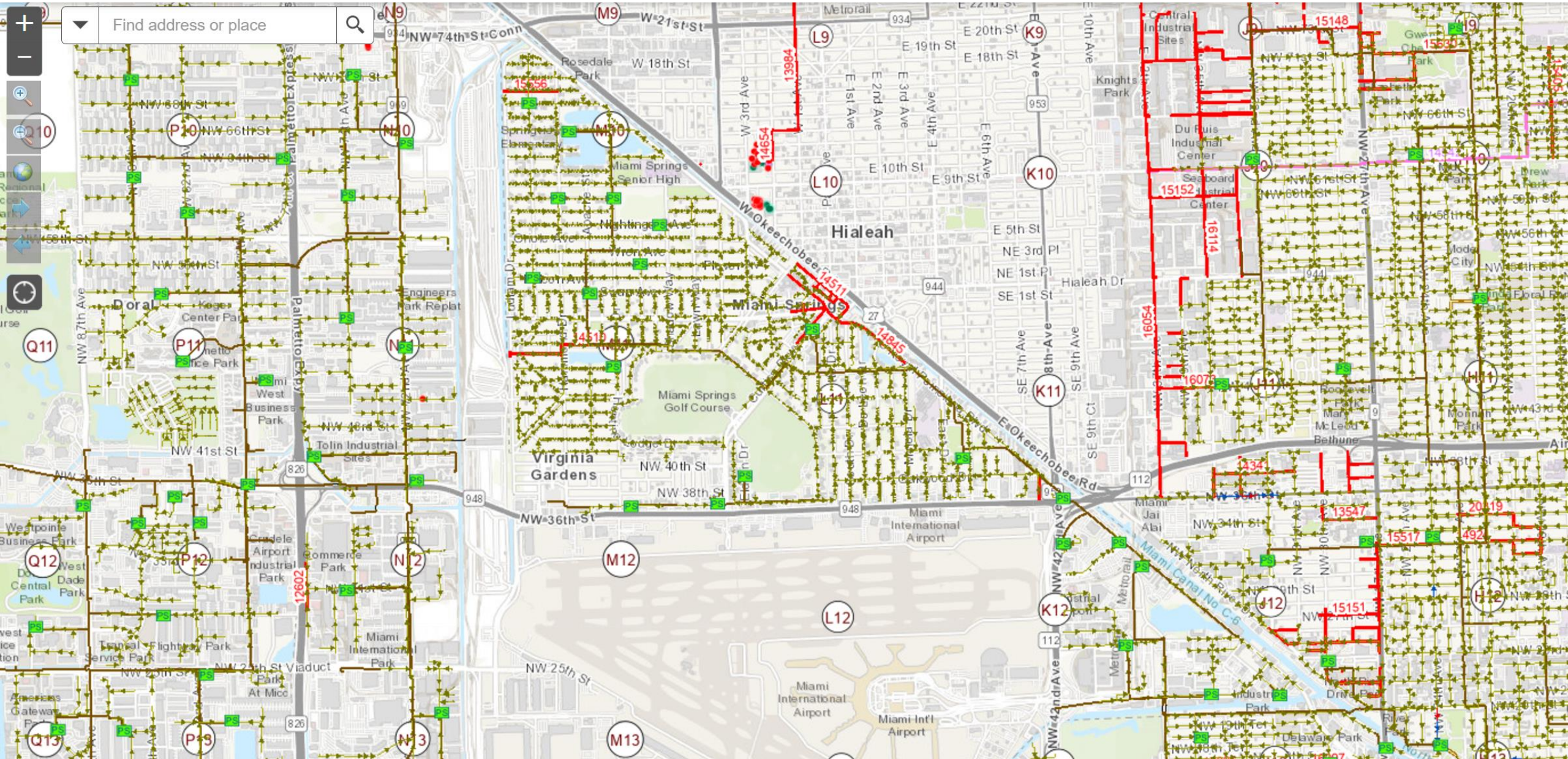
39 projects in key commercial areas
including residential connections

Funding:

\$126 Million from the Miami Dade
Better Communities General
Obligation Bond (GOB)



~ 600 Connections in the C-6 Canal Basin



Miami River Commission's Stormwater Subcommittee Public Meeting Minutes December 4, 2024

The Miami River Commission (MRC) Stormwater Subcommittee's public meeting convened December 4, 2024, 10 AM, 1407 NW 7 ST. The attendance sheet is attached.

- I. "Miami River Basin Water Quality Improvement Plan" Agency Quarterly Implementation Progress Reports** – Ms. Juliet Ruggiero, Miami Dade County's Department of Environmental Resource Management's (DERM), provided a report covering July – September 2024. The most alarming water quality violations were detected at Wagner Creek testing station WC03 in July and September had enterococci Bacteria of 3,130 (cfu/100ml) when the safe water quality standard is only 130 (cfu/100ml).

Christine Wartman, Miami-Dade County Water & Sewer Department presented an excellent and detailed PowerPoint regarding the Connect 2 Protect Program, disconnecting septic sewer tanks and connecting homes to the County's sewer system which improves water quality. Ms. Wartman presented a map of an area within the Miami River Water Basin where the homes currently have septic tanks, which the County completed the design and has over \$1 million secured to disconnect their septic tanks and connect all the homes to the County's Sewer System free of charge. Ms. Wartman kindly agreed to present at the full MRC's January 6, 2025 public meeting, noon, downtown Library auditorium, 101 W Flagler.

Galo Pacheco, M. Sc., P.E. Interim Chief, Water and Wastewater Division, Department of Regulatory and Economic Resources (RER), Division of Environmental Resources Management (DERM) presented an excellent and detailed PowerPoint titled, "RER-DERM Smart Cover Pilot Study. Smart Covers on sanitary sewer manholes detect high levels of sanitary waters in the pipes and sends an alarm to the County and subject municipality so they may address the problem before a sanitary sewer overflow from the manhole into the Miami River, similar to the 2 sanitary spills Director Bibeau recently reported in Little Havana. Mr. Pacheco stated Phase I installed 192 Smart Covers and Phase II installed 234 Smart Covers, for a total of 426 current Smart Covers County Wide. Smart Covers also detects problematic infiltration, which the Department then eliminates. In only 1 year the new system detected 99 events which the Department repaired and therefore avoided sewage overflows, including 1 on Wagner Creek detected only 3 months after it was installed. The County's sewage lines get clogged with fats, oils, grease, rocks, etc. Mr. Pacheco kindly agreed to present at the full MRC's January 6, 2025 public meeting, noon, downtown Library auditorium, 101 W Flagler.

- II. Discussion Regarding 169 NW South River Drive** – Attendees discussed the City of Miami owned crushed stormwater outfall, located beneath the County owned 169 NW South River Drive. The County riverfront parcel is a sanitary sewer easement where a sewer line tunnels beneath the Miami River to the sewage pump station on the opposite side of the River.

III. Discussion Regarding Collapsing Shoreline Along South River Drive West of 27 Ave

The MRC's October public meeting minutes state:

"NW South River Drive from 27 Ave to 20 ST proceeds along a portion of the Miami River which has an unconsolidated shoreline, and several large and growing areas where the shoreline is collapsing into the River. When one of several large sink holes previously grew past the street's steel safety barrier, the City of Miami placed temporary plastic barricades around the hole to keep pedestrians and cars from falling into the Miami River. As the shoreline sink hole(s) grew larger over time, the ground under one of the plastic barriers fell into the River, along with the temporary barricade. Now the large sink hole (one of several) is slightly into the actual street's paved asphalt, and erosion has hollowed out under a portion of the street, where there is no longer solid ground beneath a portion of the street's asphalt. School buses etc. drive on this street (which has no sidewalks, no drainage, no curb and gutter, etc.) On March 6, 2023 the MRC adopted a unanimous resolution stating in part, "encouraging the City of Miami to apply for a TAP (FDOT – TPO) grant or seek a State / Federal cost share / earmark to repair the additional 2 adjacent shoreline collapses, while constructing a public Riverwalk and new stretch of the riverfront portion of South River Drive from NW 20 ST to NW 27 Ave, featuring landscaping, decorative lighting, etc.

The eastern most section of the subject collapsed shoreline is around a broken stormwater outfall (owned by FDOT) which drains 27 Ave. During the MRC's March 6, 2023 public meeting FDOT representatives presented construction engineering documents to repair this collapsed area, while planning to reconstruct a small portion of NW South River Drive (still with no sidewalks, no drainage, no curb and gutter, etc.) The distributed MRC Urban Infill and Greenways subcommittee's September 23, 2024 public meeting minutes with this item on the agenda state, "The FDOT representatives stated the City of Miami indicated they maintain this portion of South River Drive, but do not own it, and the City granted a permit for the planned FDOT repair. The City of Miami clarified that the permit issued for the FDOT collapsed shoreline restoration project was issued for work and Maintenance of Traffic within the City right-of-way (25 feet from Southerly R/W line of the Miami Canal to the south).

Attendees reviewed and discussed several maps and plats previously emailed from the City of Miami, Miami-Dade County, and or SFWMD. For the eastern half of the subject riverfront portion of NW South River Drive (east of the stone bridge over tributary), the City of Miami and Miami-Dade County Representatives stated they believe South River Drive and the shoreline are part of the Miami River ROW, and therefore owned by SFWMD. Armando Vilaboy, SFWMD, provided numerous titles etc. supporting SFWMD's belief that they only own the water in the subject area, and no land. Mr. Vilaboy indicated if SFWMD is wrong, and the City and County are correct in that SFWMD indeed owns the shoreline and this portion of South River Drive, SFWMD does not own or reconstruct streets therefore would be unable to assist with the needed project, but SFWMD would be willing to provide ownership of the subject area to the City free of charge. Ms. Molina, Miami-Dade County, stated since the City has been maintaining the subject portion of South River Drive, therefore the City could claim ownership from SFWMD. The City clarified that the City only has maintenance responsibilities within its right of way. Ms. Molina agreed to research the amount of impact fees the County recently collected from the immediate areas 3 large

developments which are currently under construction, and if those impact fees may be used for the subject project. City of Miami Public Works Director Santana indicated he will be discussing these issues in the future with the City Manager.

City of Miami Public Works Director Santana stated the City of Miami owns the western half of the subject riverfront portion of South River Drive (west of the stone bridge over the tributary) in addition to 4 City of Miami owned riverfront folios which are managed by the City of Miami Parks Department. Director Santana suggested the MRC contact City of Miami Assistant City Manager Barbara Hernandez, whom oversees the Parks Department, as they are leading the City's efforts to repair the 2 large and growing collapsed portions of the shoreline in these City owned riverfront folios, and Public Works will coordinate with the Parks Department to include reconstructing this City owned portion of South River Drive in the subject future City of Miami project.

In addition to the TAP (FDOT / TPO) grant opportunity, attendees noted the subject project ("repair the additional 2 adjacent shoreline collapses, while constructing a public Riverwalk and new stretch of the riverfront portion of South River Drive from NW 20 ST to NW 27 Ave, featuring landscaping, decorative lighting, etc.") is a good fit for a large Federal grant."

Attendees reviewed and discussed a new color-coded aerial exhibit prepared by the MRC, showing the subject area and noting ownership of the 4 connecting areas. Attendees noted since the City of Miami owns a 25' wide easement between the private properties and the street, therefore there is sufficient space to shift the street towards the upland, which increases the space for the public Riverwalk. Attendees noted there is a new residential development under construction in the subject area, with another planned development in planning, therefore the number of pedestrians and vehicles will be increasing. Jim Murley noted the following next four steps to bring this MRC recommendation to fruition:

- 1) Resolve Ownership
- 2) Design
- 3) Funding including City Applying for grants
- 4) Construction

The MRC continues to recommend enforcing the shoreline ordinance by making expedited emergency repairs to the collapsed shoreline and encouraging the City of Miami to apply for a TAP (FDOT – TPO) grant, Federal Grant, or seek a State / Federal cost share / earmark to construct a public Riverwalk featuring a new seawall, and a new stretch of the riverfront portion of South River Drive from NW 20 ST to NW 27 Ave, featuring landscaping, decorative lighting, drainage, curb and gutter, etc."

IV. Discussion Regarding Collapsing Shoreline Along Wagner Creek South of NW 20 ST
Carolina Zamora, City of Miami, presented the following: "Project Scope: Wagner Creek Canal embankment stabilization between NW 20 St and NW 19 St and restoration including all impacted adjacent roads, any other impacted infrastructure, lighting, and landscaping. Construct a new sidewalk path along the west side of the Wagner Creek Canal from NW 20th Street to NW 15th Avenue and on the east side of the Creek connecting NW 15th Avenue to NW 20th Street, adjacent to the impacted area to be restored by the shoreline stabilization improvements."

Ms. Zamora stated the project has \$1.6 million secured and is expecting a \$2.3 million resilience grant to hopefully be awarded in 2025. The project's Technical Memo Design is estimated to be complete in April 2025.

V. Discussion Regarding Collapsing Shoreline at NW North River Drive and NW 25 Ave
MRC Managing Director Bibeau reported the City owned shoreline at NW North River Drive and NW 25 Ave around a City owned stormwater outfall is collapsing into the Miami River.

VI. Update Regarding FDEP's "Miami River Basin Stormwater Management" Grant Award - MRC Director Bibeau thanked FDEP for awarding the MRC's submitted application for \$500,000 in grant funding from the State's FY 23-24's \$20 million for improving water quality in the Biscayne Bay Aquatic Preserve, by increasing frequency of vacuum truck services in stormwater manholes along the Miami River, landside garbage pickups, and landscaping i.e. removal invasive plant species along the Miami River. The stormwater system was identified as a source of pollution in the County's recent helpful Miami River Water Quality Assessment, which was reviewed during a previous MRC Stormwater Subcommittee public virtual workshop. In 2023 the MRC removed estimated 4,680 cubic yards of garbage (30 cubic yard dumpster filled three times per week) from the Miami River Basin.

VII. New Business

Attendees discussed Baffle Boxes and Downstream Defender Systems, which are designed to improve water quality in stormwater entering the Miami River, for example the Marlins Stadium across the street from the Miami River includes them and there are several in Miami Beach. Ms. Maria Molina, Miami Dade County Department of Public Works, stated they are not perfect as they need to be serviced with a vacuum truck every 3 months. Ms Molina stated in September Miami Dade County adopted a new code regarding impervious services which requires a 150% improvement in storm water quality before it is discharged into a waterway.

The next quarterly public MRC Stormwater Subcommittee meeting is scheduled March 5, 2025.
10 AM, 1407 NW 7 ST.

The public meeting adjourned.

Miami River Commission's Stormwater Subcommittee

Public Meeting

December 4, 2024 - 12:00 PM

1407 NW 7 ST, Miami, FL

Name	Organization	Telephone	Email
C Carolina Zamora	City of Miami	305-416-1184	CZamora@miamicity.gov
Christine Wartman	Water & Sewer	786-552-8231	christine.wartman@miamidade.gov
Richard Rojas	RER- DERM	305-372-6487	christine.wartman@miamidade.gov richard.rojas@miamidade.gov
Galo Pacheco	RER- DERM	305-372-6944	pacheg@miamidade.gov
Gloria Suarez	RER- DERM	305-372-6457	gloria.suarez@miamidade.gov
Maria D. Molina	DTPW	3/ 375 2863	maria.molina@miamidade.gov
Betty Hermida	D1 Comm.	786-853-0559	vmhermida@comcast.net
Brett Bibeau			
Jim Murky			
Robert Russier	DERM		

**Department of Regulatory and Economic Resources (RER)
Division of Environmental Resources Management (DERM)**

RER-DERM SmartCover Pilot Study



Galo Pacheco, M.Sc., P.E.
Interim Chief, Water and Wastewater Division

Wednesday, December 4th, 2024



RER - DERM SmartCover Pilot Study

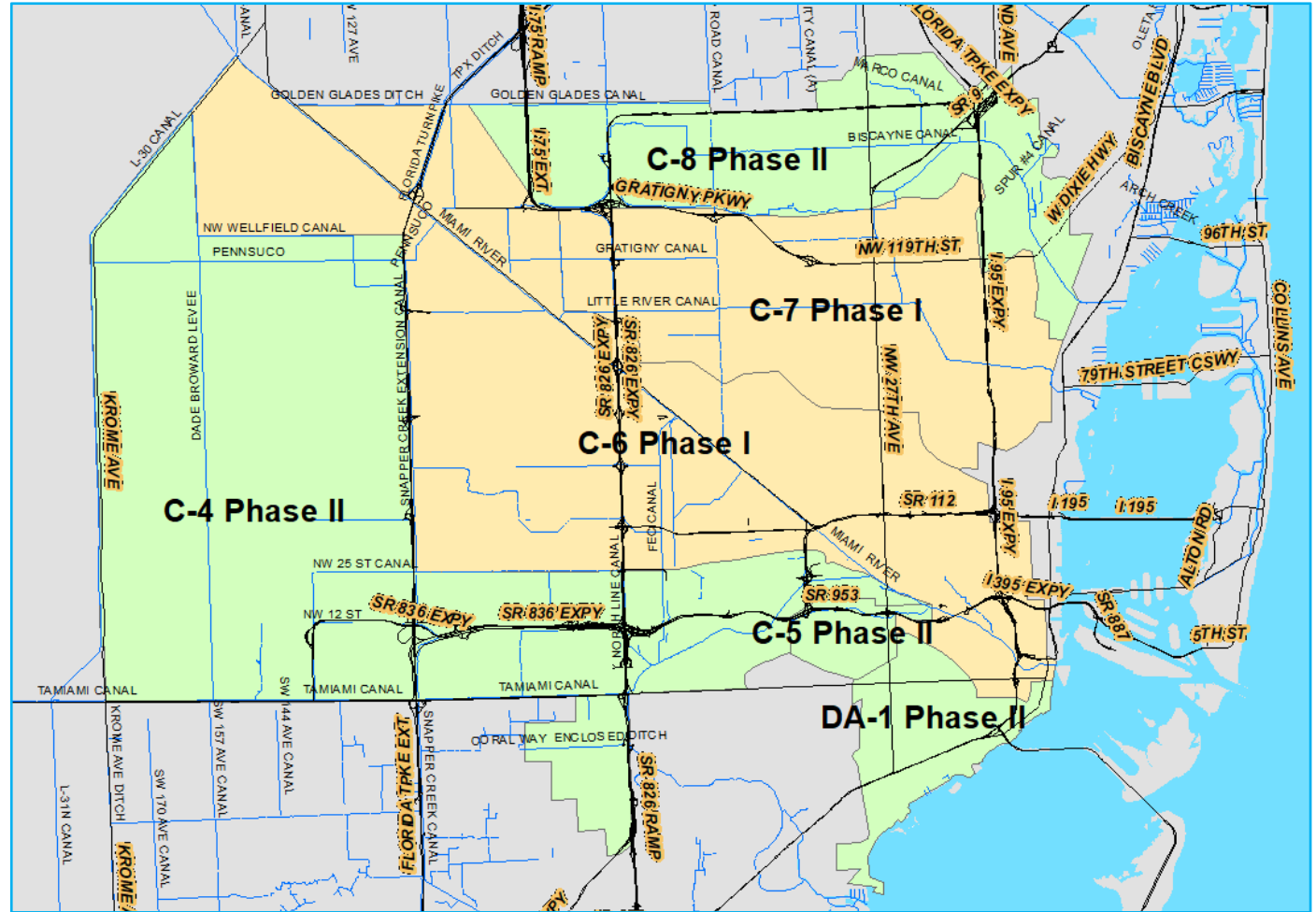


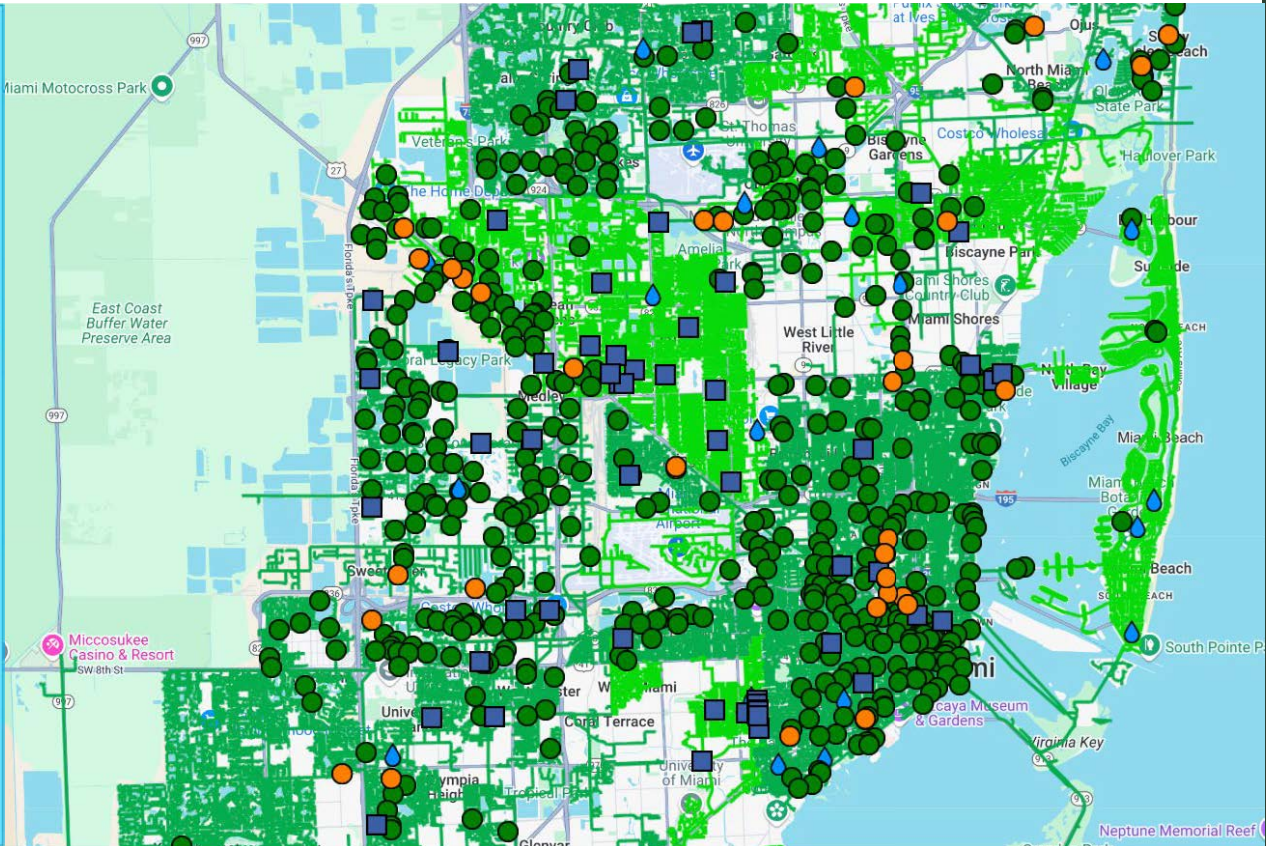
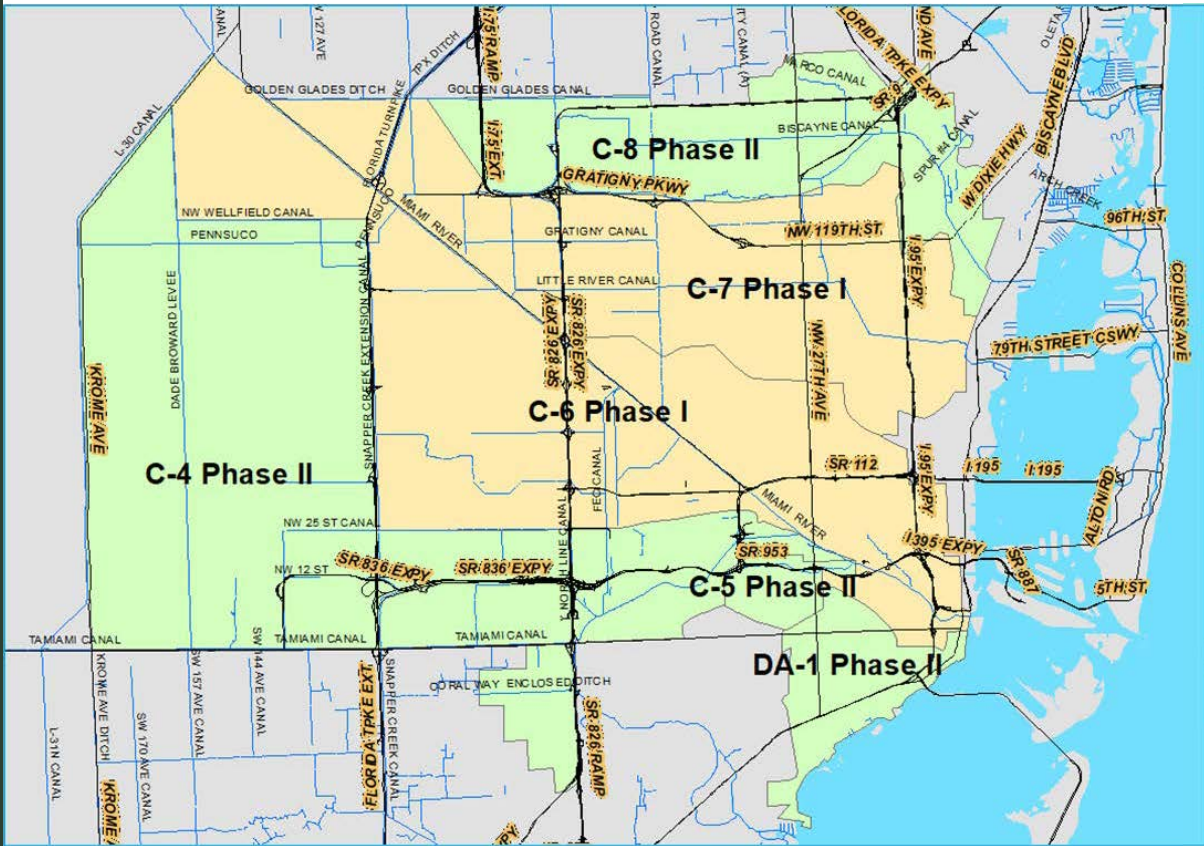
Total Units installed: 426

- Units Installed under Phase I: 192 (May 2023)
- Units Installed in Phase II: 234 (October 2024)

Utilities	Units Quantity (PH1)	Units Quantity (PH2)
Bay Harbour Island	1	
Opa-Locka	4	5
CNM	6	11
Hialeah Gardens	20	
Medley	33	
WASD	128	218
Total	192	234

- **Criteria:** Key manholes and pump stations, Historical SSOs, Citizen complaints, Sanitary Sewer Basin Moratoria.
- Real-time collection system monitoring, reporting and spill prevention
- Analysis of Inflow & Infiltration (I&I)
- Participating utilities receive the alarms and have access to dashboard

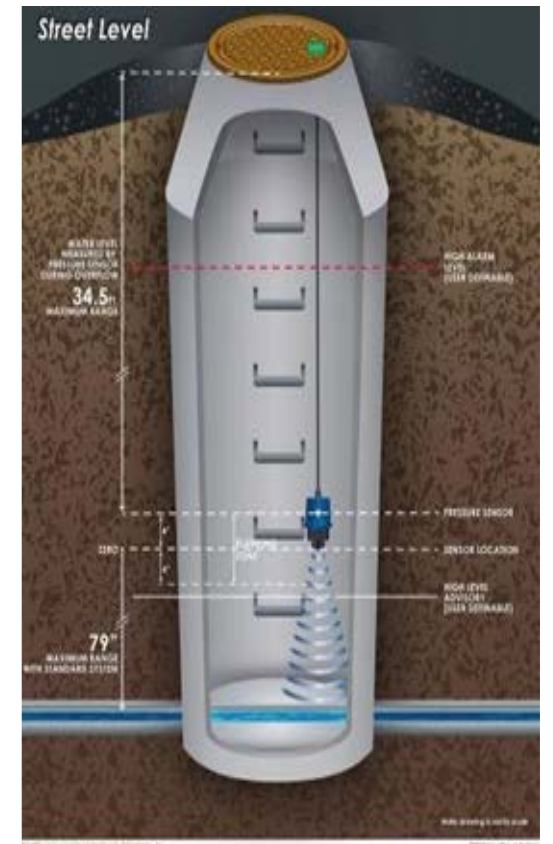




SUBSONIC DUAL SENSOR



- ❖ Highest accuracy on narrow inverts
- ❖ Drop lowest & closest to the channel
- ❖ Reliable during surcharges
- ❖ Real-time trend analysis
- ❖ Satellite communications impervious to power or cell outages
- ❖ No confined space entry
- ❖ Low maintenance
- ❖ Ideal for remote locations Integration with rain, river, tidal data



CLOUD BASED WEB PORTAL

www.mysmartcover.com

- ❖ *SmartCover Dashboard*
- ❖ *DERM SmartCover units in the Utilities Dashboard*
- ❖ *SmartCover units for Utilities without a Dashboard are included in the DERM Dashboard*
- ❖ *All utilities have access to the units installed within their jurisdiction*
- ❖ *Utilities respond to the alarms and take actions to prevent SSOs.*
- ❖ *The utilities and DERM received the alarms via text message and via email.*

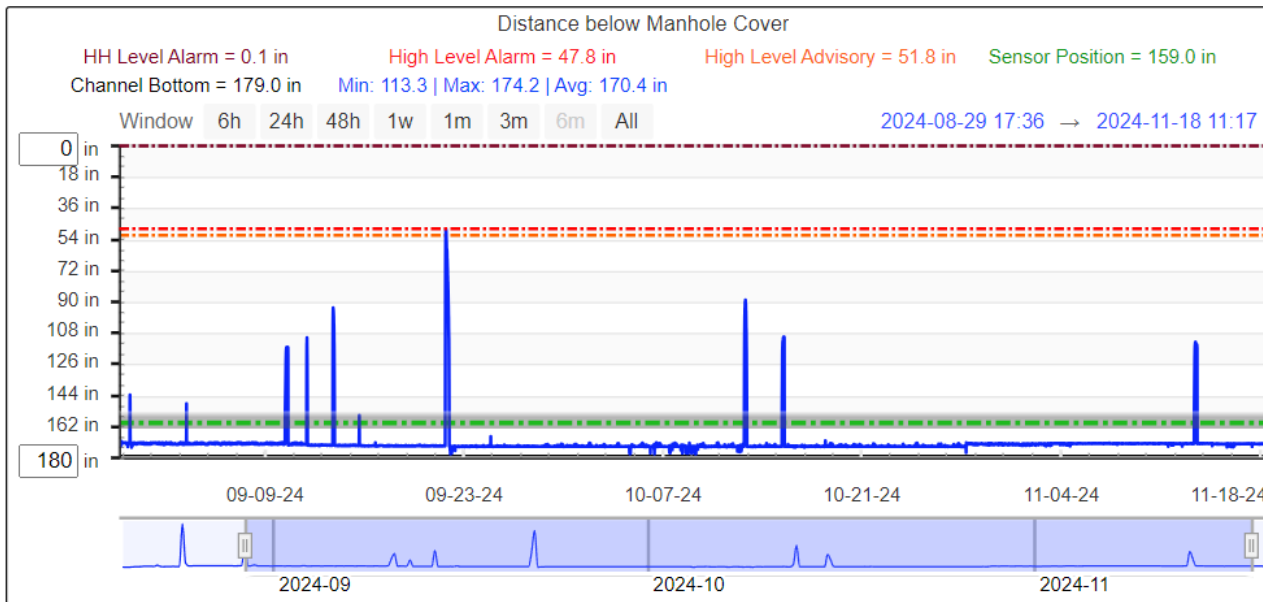
The screenshot displays the SMARTCOVER MONITORING SYSTEM interface. At the top, it identifies the user as 'Dept of Environmental Resources Mgmt - Miami, Florida'. The main navigation bar includes 'Map', 'SmartTrend', 'Alarms and Alerts', 'System Operations', 'Multi Charts', 'Super Admin', and 'Support'. The left sidebar provides a comprehensive filter menu:

- Sensors:** All Sensors (644), Alerts (40), H-H Alarms (0), Alarms (0), Alarms Disabled (5), Advisories (40), Archived (52).
- APPLICATIONS:** Collection Level (590), Stock Location (90), SmartRain™ (27), Lift Station Level (22), H2Scents® (5), SmartTide™ (0), Stock System (0), All.
- GIS LAYERS:** Pump Stations, Sewer Nodes, Sewer Nodes Hialeah Gardens, Sewer Nodes Medley, Sewer Nodes WASD, Municipal Sewer Lines, Municipal Sewer Lines WASD.
- LOCATIONS:** City of Coral Gables, City of Hialeah, City of Miami Beach, City of Opa-Locka, Dept of Environmental Resources Mgmt, Miami Dade County.

The central map shows a satellite view of Miami with numerous colored markers (green, orange, blue) representing SmartCover units. The bottom right corner includes a 'CUSTOMER NOTES' section and a 'Report a map error' link.

DERM - HGD-18-1

Static Charts ?



Level
 PowerPack Voltage
 Signal Strength
 Signal Quality
 Temperature
 Maintenance ?

Time Period 1m 3m 6m 1y 2y 3y 5y
Date Range 2024-08-19 13:54 - 2024-11-19 13:54

Zoom Type Default Auto Manual
Long Filter Gaps Fill Gaps No Filter

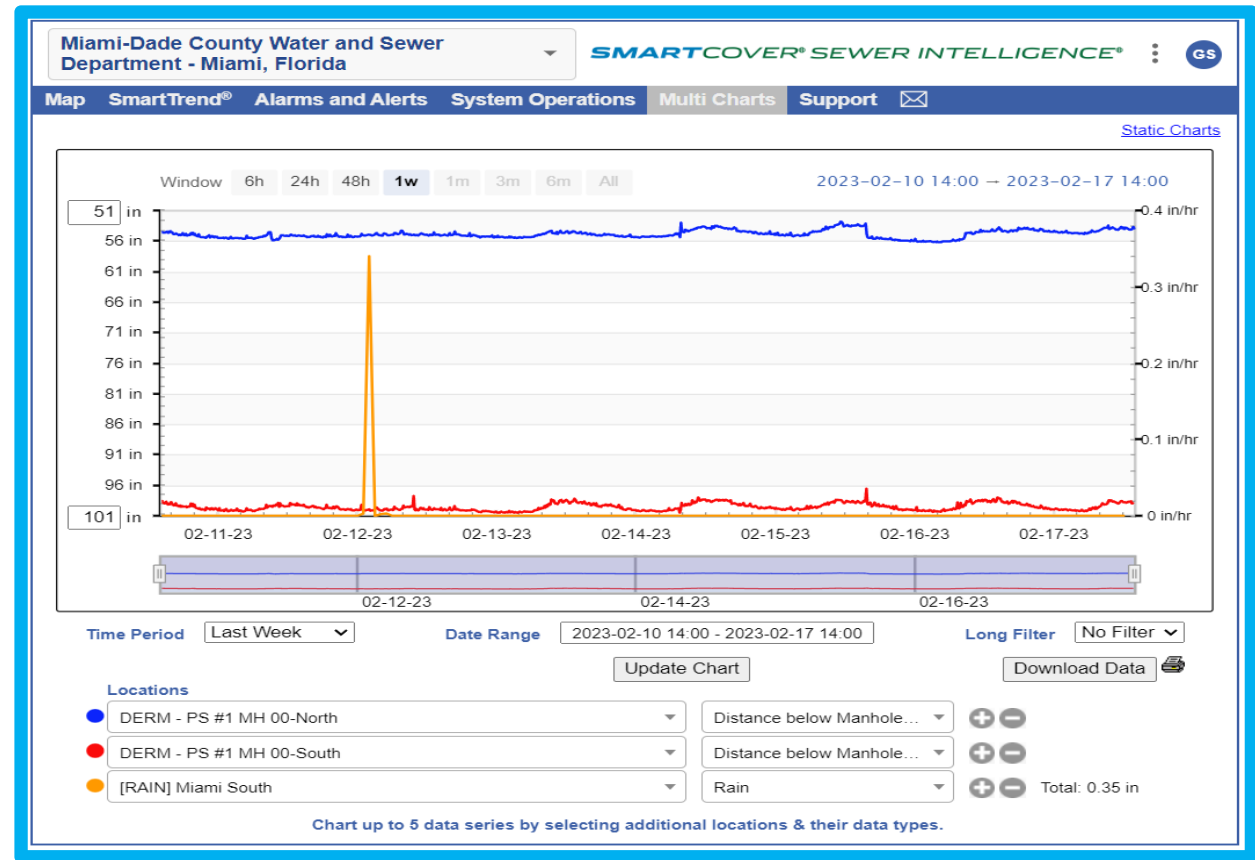
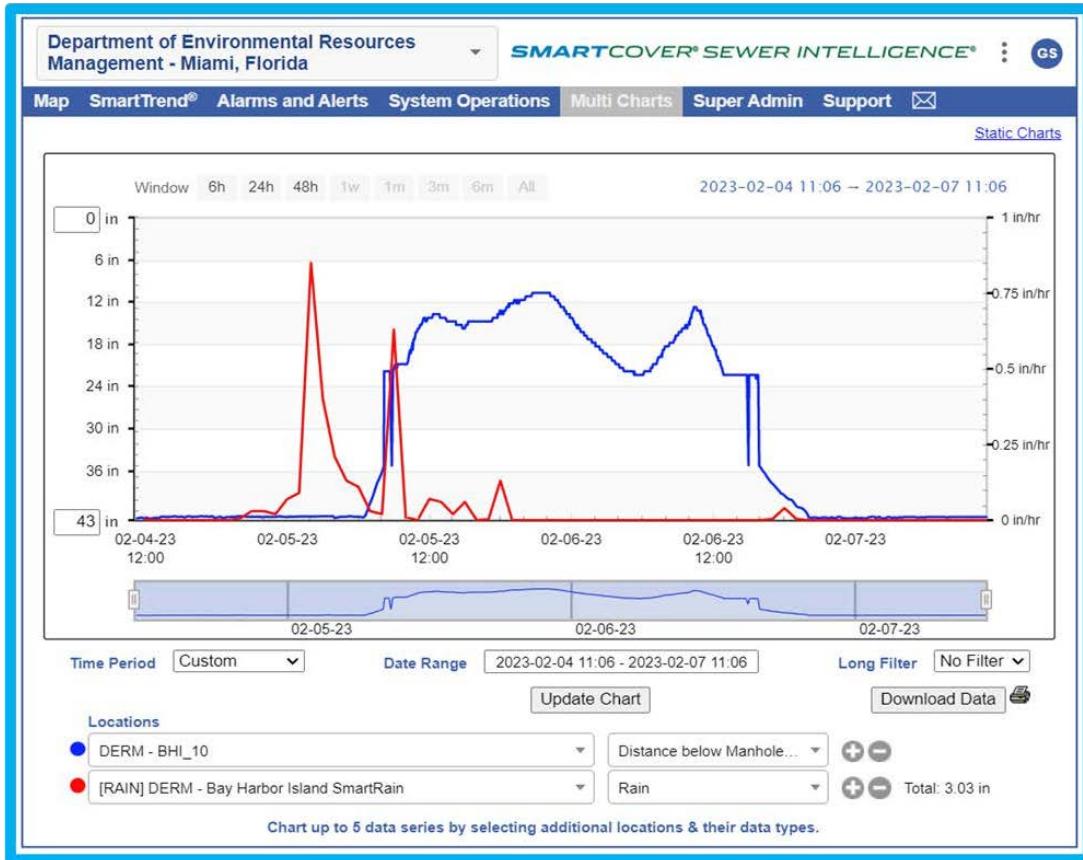
Update Chart Download Data

SmartCover Units Chart

Description of the dash lines shown in the graph

- ❖ Green = Sensor Position
- ❖ Orange line = High level Advisory
- ❖ Red line = High level Alarm
- ❖ Dark Red line = H-H level Alarm

Multi Charts Selection



Inflow and Infiltration Report

Create New Report ?

Reports

I & I Impact Filter: 0% to 100% (54 / 60 shown)

Advanced Settings

Download CSV

Search:

Report from 2023-10-09 to 2023-10-15 - Gloria Suarez Mendez

Location	Rain Site	Chart	I & I Impact
DERM - HGD-18-1	DERM - Medley_SmartRain		60%
DERM - MED -MH-100-D	DERM - Medley_SmartRain		60%
DERM - HGD-2-1	DERM - Medley_SmartRain		59%
DERM - MED -MH-200	DERM - Medley_SmartRain		52%
DERM - HGD-13-1	DERM - Medley_SmartRain		47%
DERM - MED -MH-11-D	DERM - Medley_SmartRain		39%
DERM - MED -MH-600-1	DERM - Medley_SmartRain		34%
DERM - HGD-10-1	DERM - Medley_SmartRain		34%
DERM - MED -MH-300	DERM - Medley_SmartRain		30%
DERM - MED -MH-205	DERM - Medley_SmartRain		30%
DERM - MED -MH-105-1	DERM - Medley_SmartRain		29%
DERM - HGD-10-34	DERM - Medley_SmartRain		24%
DERM - MED -MH-500	DERM - Medley_SmartRain		15%
DERM - MED -MH-700	DERM - Medley_SmartRain		14%
DERM - HGD-11-1	DERM - Medley_SmartRain		12%

Location

Rain Site

I & I Impact

Show 15 entries

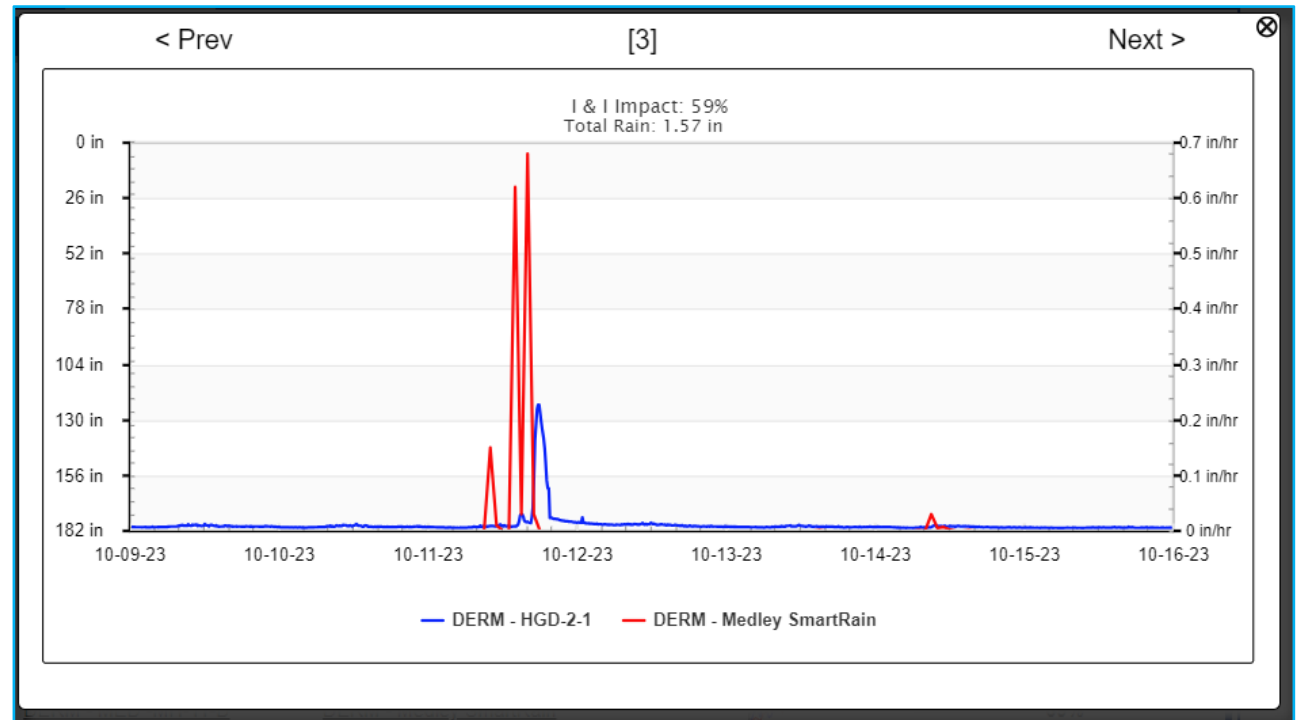
Showing 1 to 15 of 54 entries (filtered from 60 total entries)

Previous 1 2 3 4 Next

I/I Impact

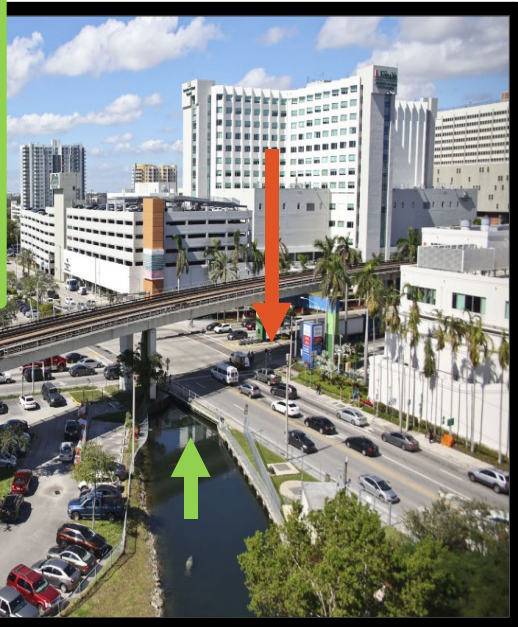


- ❖ Identify, in priority order, the SmartCover sites at high risk for significant I/I
- ❖ Utilize time series data from the SmartCover site and the closest SmartRain to calculate a cross-correlation score (Pearson Coefficient)



Preventing SSOs, Contamination of Surface Waters and Protecting Wildlife

- Previous SSOs in the corner of NW 14 ST and NW 12 AVE
- DERM W&WWD and WASD team coordinated the installation of a SmartCover
- Prevented a significant SSO into **Wagner Creek!**

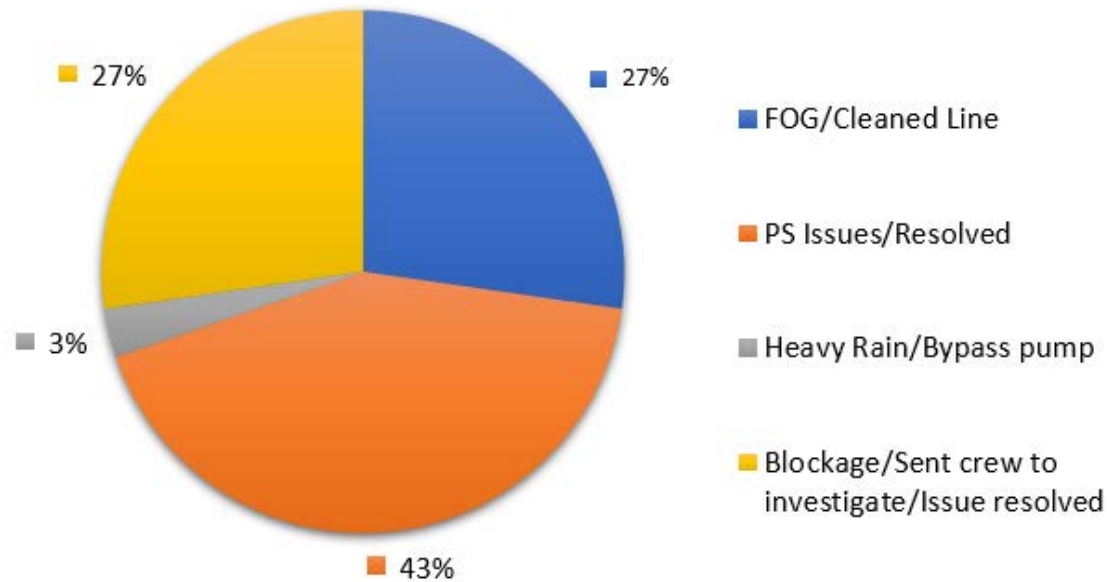




The SmartCover Monitoring System has prevented:

- 99 SSOs during Phase 1 (January 2023 – March 2024)
- 51 SSOs during Phase 2 (April 2024- October 2024)

Prevented SSOs by Cause and Actions Taken Phase I



The system also has helped to identify :

- *Illegal Discharges*
- *Identify RDII*
- *Collection System behavior*
- *Alerts due to FM Rupture*





RER-DERM SmartCover Pilot Study

Questions



ENVIRONMENTAL
RESOURCES



RER-DERM Efforts to Eliminate Septic Systems Impacting the Miami River and Tributaries



RER-DERM

NORC Program

Sanitary Sewer Systems

WATER AND WASTEWATER DIVISION

RER-DERM NORC Code Requirements

Section 24.43.1 (7)

- ▶ A sanitary sewer Gravity Main or Force Main Should Be **Abutting**, **Available**, and **Operative**.
- ▶ All Pump Stations Down Stream must be in OK or AC Status, or equivalent.

**METROPOLITAN
DADE COUNTY
FLORIDA**

**ENVIRONMENTAL
PROTECTION**

Septic Tank Areas in Miami-Dade County

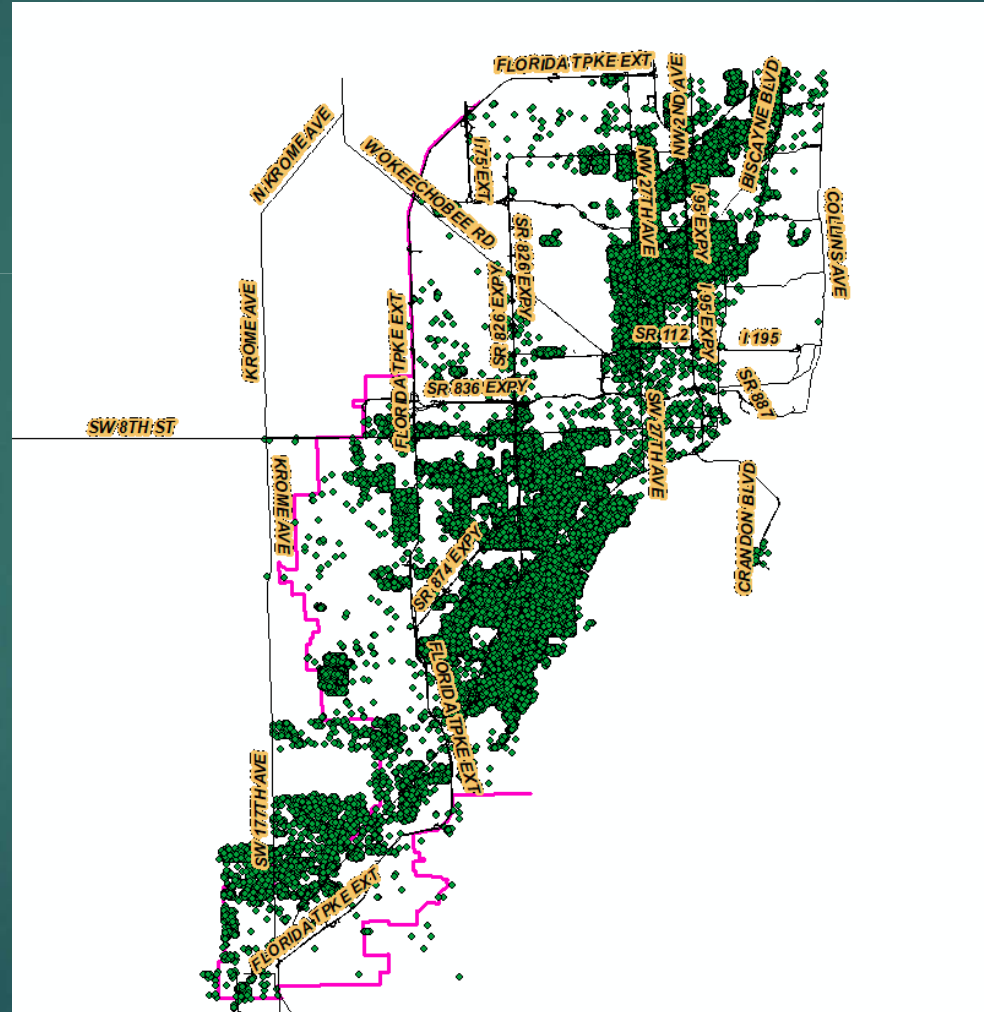
Non-Vacant & Not-Connected
Properties

June 1, 2024 - Utility Reports

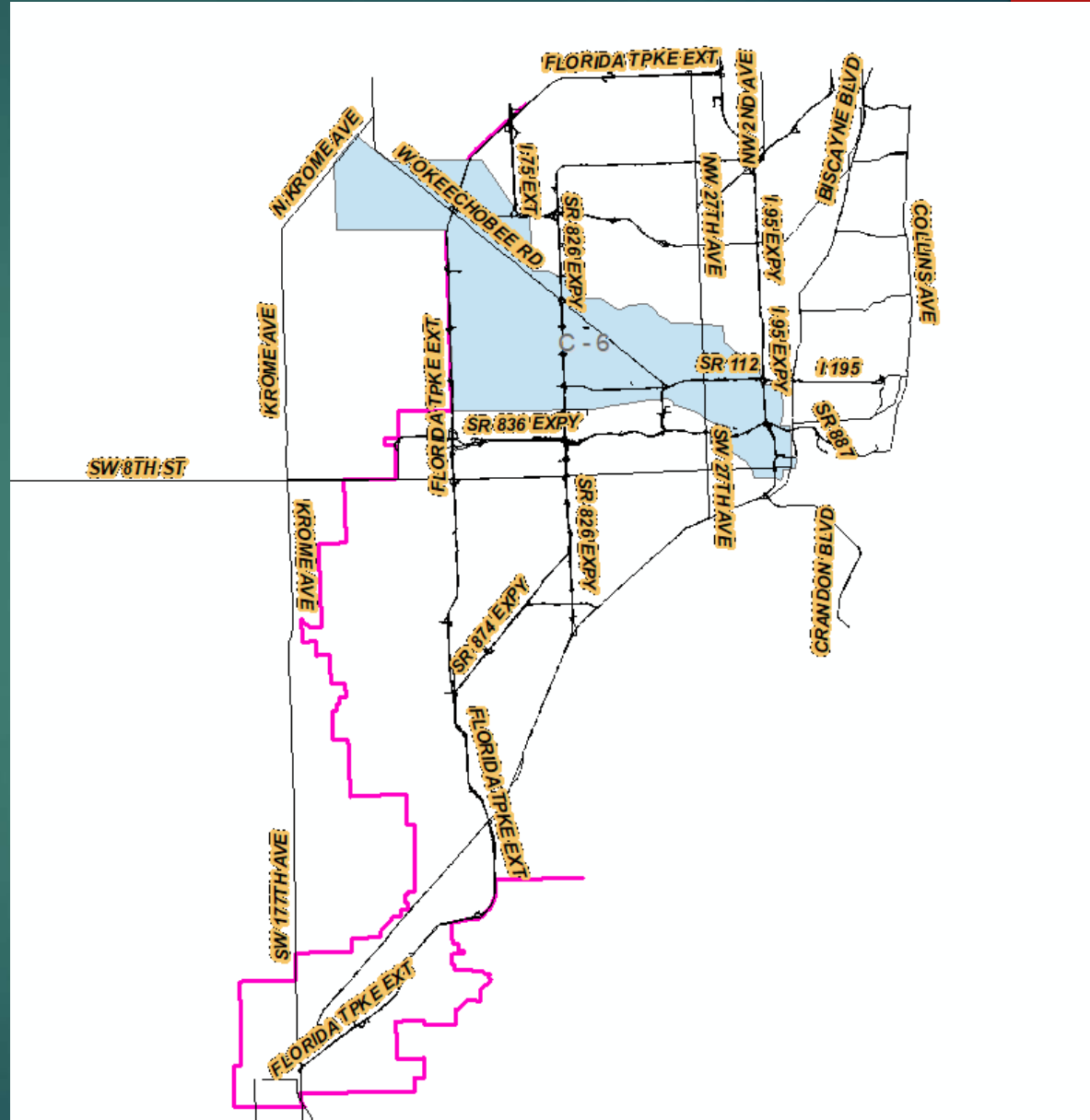
POTENTIAL NORCs

June 1, 2024 Reports

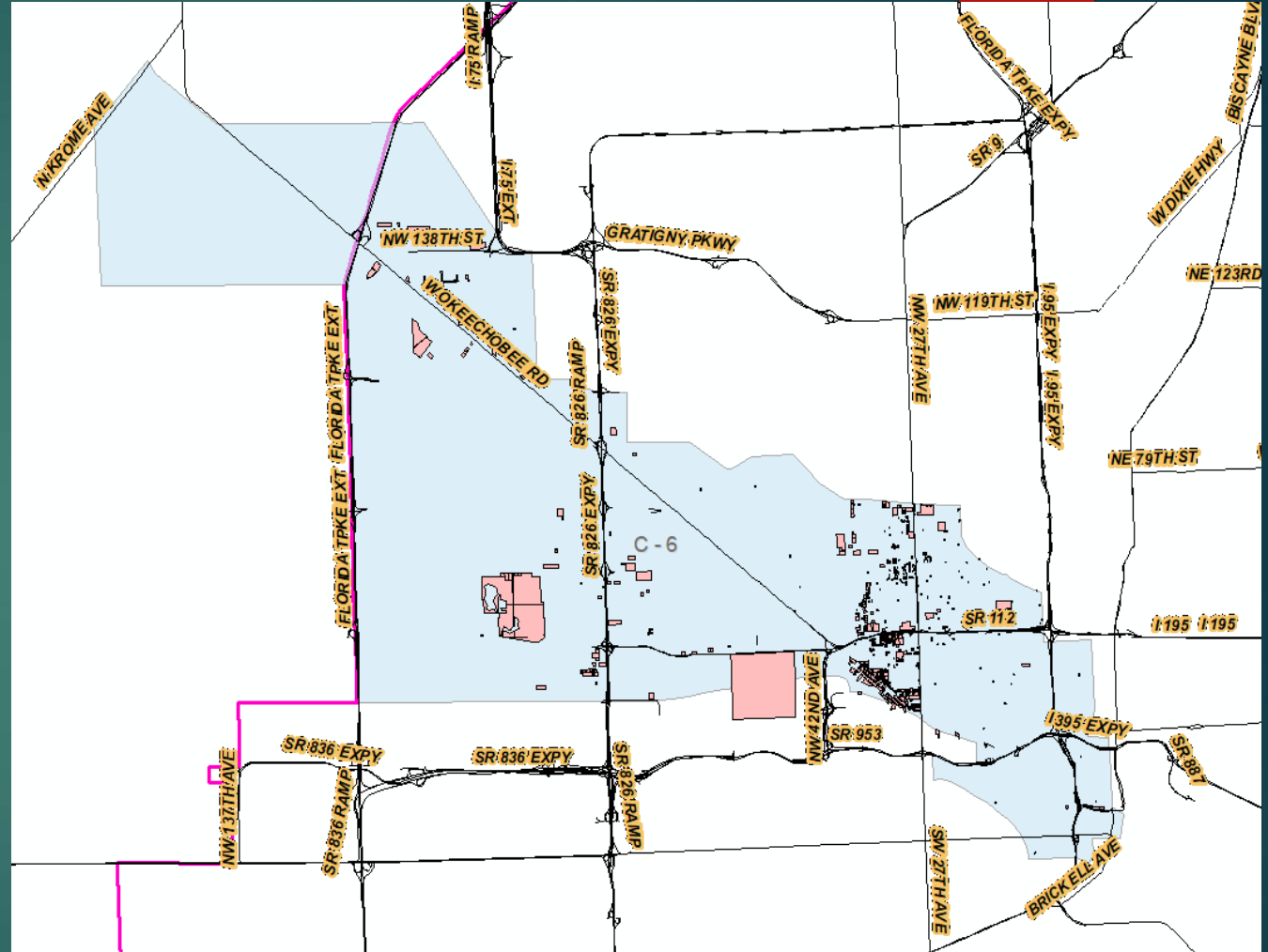
Non-Vacant Non-Connected Properties



Miami River Primary Canal Basin C-6





RER-DERM Active NORCs Within Basin C-6



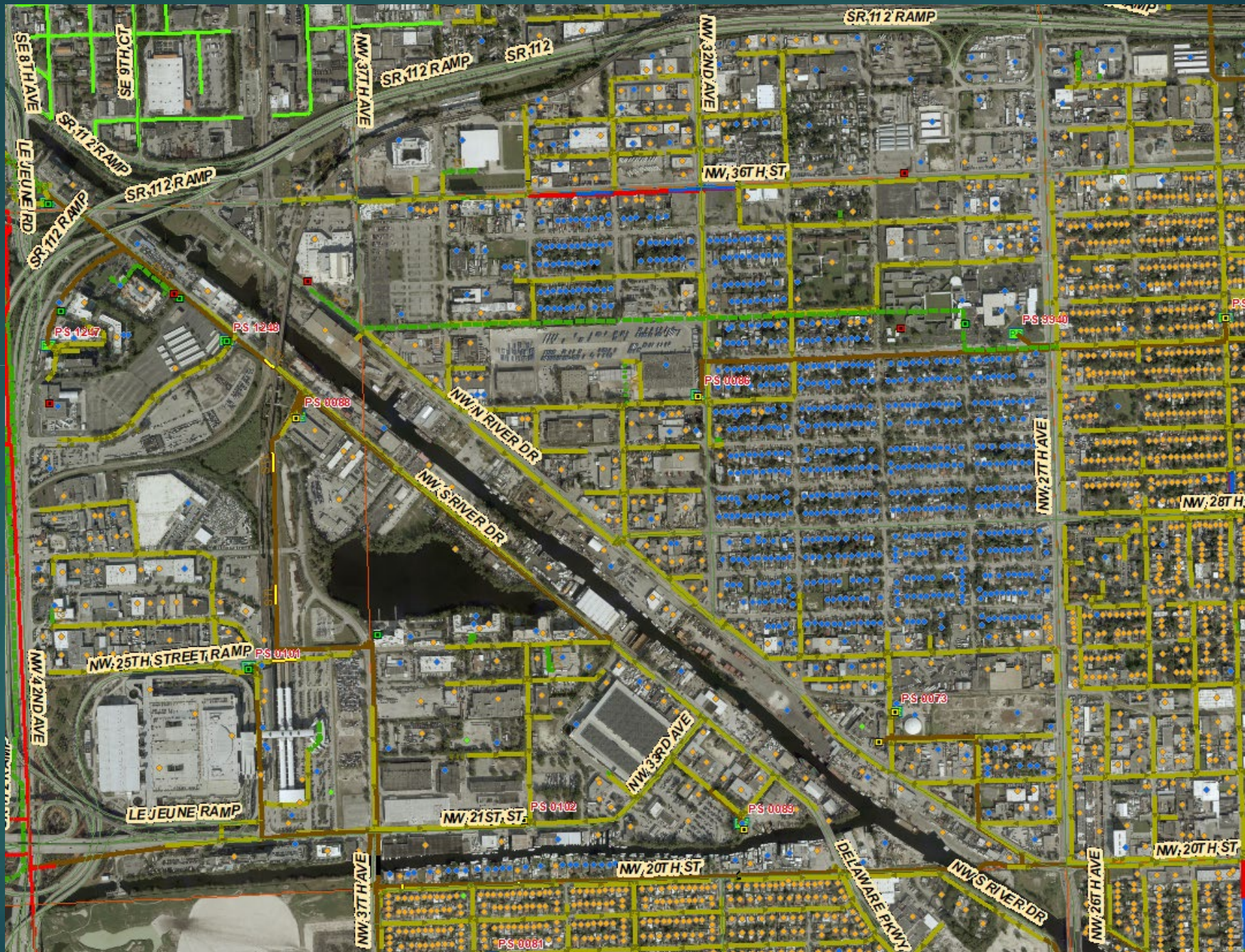
Summary of NORCs and Non-Vacant and Non-Connected Properties Within C-6

Number of potential septic systems in C-6	3,683
Properties with Abutting Sewers	2,039
Properties with Sewer Laterals	247
Number of active NORCs for sewer connection in C-6 (Issued, In-Progress, EQCB & Enforcement)	369
Number of NORCs connected in C-6	308



**Sewer Connection Efforts
within the
Melrose Area**









Questions



Thank you!

Galo Pacheco, M.Sc., P.E.
Interim Chief, Water and Wastewater Division
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**Miami River Commission's
Urban Infill & Greenways Subcommittee
Public Meeting Minutes
December 13, 2024**

The Miami River Commission (MRC) Urban Infill & Greenways Subcommittee's public meeting convened December 13, 2024, 10 AM, 1407 NW 7 ST. The attendance sheet is attached.

1) Discussion Regarding Fort Dallas Park

a. Future Use of the Restored Flagler Workers House

Attendees discussed potential future uses of the Historic Flagler Workers House after it is restored in 2025, including the Dade Heritage Trust Plan originally submitted to the City in 2017, and the Roman Jones Unsolicited Proposal and \$25,000 fee submitted to the City in 2023. Christine Rupp, Executive Director of the Dade Heritage Trust and Vinnie Betancourt, on behalf of Roman Jones, expressed continued interest in providing the future use.

b. Design of the Fort Dallas Park space

Attendees reviewed and discussed a rendition of the improved Fort Dallas Public Park space, and the need to complete the Park renovations design, fund and construct the project in order to reopen the currently closed Fort Dallas Park space. Attendees noted the site's current public Riverwalk was constructed over 30 years ago, therefore is in disrepair and in need of replacement. It was constructed in the same design and time as the adjacent public Riverwalk at Clarion and Hyatt hotels. Considering the Hyatt Riverwalk is funded for replacement in the "Riverbridge" development, the adjacent connecting section at Fort Dallas Park should be replaced in a matching / seamless style as part of the same project. In the interim, attendees discussed the potential for the City to collect a fee from a food truck which may quickly operate and activate the space.

c. Needed Funding

Hector Badia, City of Miami Capital Improvements Department, stated the City is working towards securing the needed funding, including exploring grant opportunities.

d. Dock Repair and Future Use

Attendees discussed the needed repairs to the Fort Dallas Park dock damaged in Hurricane Irma, and the potential for the City of Miami to apply for a FIND grant for half of the needed funding.

City of Miami Commissioner Damina Pardo, whose district includes Fort Dallas Park, stated he and the City of Miami are committed to restoring the historically designated Flagler Workers House, repairing the Fort Dallas Park dock, improving and reopening Fort Dallas Park to the public.

II) Discussion Regarding Lummus Park

a. Increased Activations of the Historic Wagner Homestead and Fort Dallas Buildings

Hector Badia, City of Miami Capital Improvements Department, stated the City of Miami is working towards conducting needed repairs of the 1856 Wagner Homestead (the oldest home in Miami-Dade County) which needs a new roof and wooded beam repairs due to termite damage, the 1844 Fort Dallas which has a crack in the wall with the fireplace, and the Community Center Buildings. Christine Rupp stated Dade Heritage Trust received a \$20,000 grant along with a \$20,000 match which they have been offering the City of Miami to hire a General Contractor experienced with historic renovations to construct the needed repairs of the Wagner Homestead.

Christine Rupp stated during the school year the Dade Heritage Trust provides 2-3 field trips per week in the 1856 Wagner Homestead which is the oldest home in Miami-Dade County and the 1844 Fort Dallas Buildings. MRC Director Bibeau stated during the MRC's December 2 public meeting Chairman Horacio Stuart Aguirre expressed support for increased activations in the special historic buildings, i.e. increased funding to DHT for more field trips, and or supervised public access. MRC Director Bibeau noted considering Lummus Park's beautiful public Riverwalk and adjacent world-renowned restaurants Garcias, Casablanca, Seaspace, Kiki's and Habibi, the "Lummus Park Historic District" is ripe to become an increasingly popular world class destination for residents and tourists alike, similar to historic waterfront areas in other cities around the world.

b. Needed repairs to the lights along the Lummus Park Riverwalk

Barbie Hernandez, City of Miami Assistant Manager, and Lazaro Garcia, City of Miami Chief of Parks Operations, stated they would work on having the broken lights repaired or replaced along the public Riverwalk in the portion of Lummus Park which is open and publicly accessible 24 hours a day, 7 days a week.

c. Needed Maintenance of the Lummus Park Dock

MRC Director Bibeau stated the bolts along the Lummus Park public Dock are in need of tightening which the MRC is willing to provide from a vessel at no charge to the City, and Ms. Hernandez and Mr. Garcia kindly accepted.

d. MDC Reopening Adjacent Public Parking Lot

MRC Director Bibeau thanked County Commissioner Higgins and the County's Internal Services Department for agreeing to reopen the public paid parking lot and removing the ugly fence adjacent to Lummus Park.

III) New Business - The public meeting adjourned.

**Miami River Commission's
Urban Infill & Greenways Subcommittee**

Public Meeting

December 13, 2024 – 1:30 PM

1407 NW 7 ST, Miami, FL

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Barbie Hernandez	City of Miami	on file.	
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Jim Murley	Designer for Mayor Cava		
Brett Bibeau	MRC	305 644 0544	brettbibeau@mianirivercommission.org