



## Save Our Indian River Lagoon Project Plan December 2022 Progress Report

### WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 321 of 648 detected leaks have been repaired; 40 grant applications received; 24 grant recipient sites have been repaired and processed for payment
- Septic Upgrades – 14 more reimbursements processed for a total of 110 completed to date; 239 homeowner cost-share agreements executed
- In-Ground Nitrogen Reducing Biofilter Septic System – met with Florida Department of Environmental Protection to discuss data analysis and reporting requirements
- University of Central Florida reported damage to oyster bars along the eastern shore of the Central IRL following TS Ian. On the west shore at Castaway Cove, there were an average of 67 oysters per sample overall with the most in the narrow corral (82) and least in the narrow gabion (55). Oysters have grown to adult size and settlement has continued from previous monitoring with 5 bridges observed.
- Riveredge Living Shoreline – minimal plants survived Hurricanes Ian and Nicole
- Derelict Vessels removed this month – 1
- Curt Smith was appointed to the vacant Finance Alternate seat on the Citizen Oversight Committee

### WORK UNDERWAY THIS MONTH:

- 2023 Plan Update – drafting revisions to present to the Citizen Oversight Committee
- Osprey Water Reclamation Facility Upgrade – construction 75% complete
- Oak Point Mobile Home Park – Package Plant conversion to Central Sewer 80% complete
- South Central C Septic-to-Sewer – Construction 71.4% complete; 145 of 147 homeowner connection grants contracted. Construction is underway in the north subdivision.
- Sykes Creek M & T Septic-to-Sewer – soil borings underway; homeowner notification letters prepared
- Micco Zone B & North Merritt Island Zone E Septic-to-Sewer - 30% design plans received
- Brevard County Septic-to-Sewer - Survey, design, and engineering continue; 30% design being finalized for 11 remaining projects; Land acquisition underway.
- Satellite Beach Lori Laine Stormwater Project – Construction underway; processing a time extension
- Basin 89/Scottsmoor I Stormwater Treatment –Finishing weirs next week, then finishing earthwork
- Basin 958 Pioneer Rd, Basin 1280B Flamingo Denitrification, and Basin 1304B W Arlington Denitrification – Received grant contracts, awaiting Public Works permits before bidding construction
- Basin 1398 Sand Dollar – Working to schedule vegetation harvesting and ditch cleaning in-house
- Basin 1387 Kingsmill-Aurora Phase II – 30% Plans being reviewed for comments
- Grand Canal Muck Dredging – Removed a total of 255,790 cubic yards to date
- Sykes Creek Muck Dredging – Removed a total of 21,228 cubic yards to date
- 2022 Audit Report –Accepted by the County Commission on December 6<sup>th</sup>
- Videos Underway: McNabb Planter Boxes
- Contracts – Satellite Beach Muck & Interstitial Treatment in review and Hedgecock/Grabowsky Septic to Sewer out for signature; Melbourne South Central F/Pineapple Ave Amendment out for signature



**PRESENTATIONS THIS MONTH:**

November 29 – Melbourne Chamber of Commerce Business Advocacy Committee– Virginia

**UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:**

December 13 – Ocean Research & Conservation Association [Land to Sea Project Webinar](#)

December 15 – Ocean Research & Conservation Association [Pipetting and Dilutions Lab Training](#)

January 14 – Marine Resources Lagoon Watch Seminar – [Email Kara Woods](#) to register

January 19 – Brevard Indian River Lagoon Coalition Straight Talk Titusville

**UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:**

December 10 – Marine Resources Council [Mangrove Workshop](#)

December 12 – Fish Processing Extractions & Homogenization – [Email Missy Weiss](#) to register

December 18– Brevard Zoo [Oyster Habitat Supply Making](#)

Marine Resources Council super clam monitoring, storm drain marking in Melbourne, and Concrete Creations Program seeking volunteers – [Email Caity Savoia to register](#)

Rotary Park rain garden maintenance or storm drain marking in Cocoa – [Email Carlos Cuevas for opportunities](#)

**WEBSITE, SOCIAL MEDIA, NEWSLETTER, AND REPORT LINKS:**

[Lagoon Loyal Outreach and Engagement Landing Page](#)

[Save Our Indian River Lagoon Website](#)

[Save Our Indian River Lagoon Facebook](#)

[Save Our Indian River Lagoon Instagram](#)

[Save Our Indian River Lagoon YouTube](#)

Sign up for our [Monthly Newsletter](#)

Sign up for our [Weekly Harmful Algal Bloom Reports](#)

**FUTURE TOPICS FOR SPECIAL PRESENTATIONS:**

1. Seagrass Guidance Risk Assessment Tool
2. Project Performance Measurements and Cost-Effectiveness Results
3. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
4. Surface Water Remediation Technologies
5. Nutrient Loading Impacts of Reclaimed Water
6. Turf grass options and alternatives
7. Lagoon Projects - managed and funded by other agencies, entities, or grant programs
8. Indian River Lagoon Research News: Conference, Symposium, or Assembly Highlights
9. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
10. Clam Restoration and Aquaculture Stimulus Projects
11. Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
12. Low Impact Development/Green Infrastructure/Resilience: Local examples and potential opportunities
13. Microplastics – University of Central Florida research
14. Isotope studies
15. Zoo Conservation/Aquarium
16. Bottle caps as denitrification media
17. Titusville Causeway Multi-Trophic Restoration and Living Shoreline Resiliency Action Plan