



Save Our Indian River Lagoon Project Plan March 2023 Progress Report

WORK COMPLETED THIS MONTH:

- Basin 1280B Flamingo Denitrification and Basin 1304B Arlington Denitrification – Received SJ permits
- North Merritt Island Zone E Septic-to-Sewer – Met with Indian Bay to discuss easement needs
- Leaky Lateral Repairs – 380 of 648 detected leaks have been repaired; 54 grant applications received; 43 grant recipient sites have been repaired and processed for payment
- Septic Upgrades – 3 more reimbursements processed for a total of 132 completed to date; 281 homeowner cost-share agreements executed
- In-Ground Nitrogen Reducing Biofilter Septic System – Reviewed calculation methodology for report
- University of Central Florida completed 6-month monitoring at the Castaway Cove oyster bar. There were approximately 290 oysters per square meter, with more oysters observed in corrals than gabions.
- Canaveral South Muck Dredging – Vibracore sampling complete. Sediment testing report received.
- Project Video - Filmed and edited Commercial Clam Aquaculture Grant Program

WORK UNDERWAY THIS MONTH:

- State Legislative Appropriation request prepared for Micco B/Little Hollywood septic to sewer
- 3 Derelict Vessel Removal – State funding is pending for the removal of 29 additional derelict vessels
- South Central C Septic-to-Sewer – Construction is 85% complete; 1st electrical panel arrived
- Micco Sewer Line Extension – Construction is 47% complete
- Brevard County Septic-to-Sewer – 30% design is being finalized for South Beaches Zone A, and South Central Zone D; Sharpes A & B, Cocoa C design on hold pending approval from the City of Cocoa to connect to their system; 30% design was reviewed for Micco Zone B, North Merritt Island Zone E, and South Banana Zone B; 30% design is in review for Sykes Creek Zone M & T, Sykes Creek Zone R, & Merritt Island Zones C, F, & G; land acquisition underway for North Merritt Island Zone E, Sykes Creek Zone R, & Micco Zone B.
- Sykes Creek Zone N Septic-to-Sewer – 100% design submitted; in review by Utility Services
- Basin 1304B W Arlington Denitrification – coordinating to slope the road toward the dry detention area
- Basin 958 Pioneer Rd – Design review comments sent to the consulting engineer
- Basin 89/Scottsmoor I Stormwater Treatment – substantially complete; hydroseeding in a week or two
- Basin 1387 Kingsmill-Aurora Phase II – Land purchase approved for construction access
- Basin 1066 Angel Ave – Public Works is reviewing design Task Order
- Basin 1398 Sand Dollar Canal – Design meeting with consultant and Public Works
- Basin 2258 South Babcock – Design Task Order updated
- Sykes Creek Phase 1 Muck Dredging – Removed a total of 43,038 cubic yards to date
- Grand Canal Muck Dredging - Dredging on hold due to manatee dredging window restriction
- Eau Gallie Muck Dredging – Request for Proposals for consulting services in review for advertising
- Contracts – amendments underway for Melbourne Grant Street Water Reclamation Facility, Indian Harbour Beach Muck Dredging and Interstitial Treatment, and Satellite Beach Hedgecock/Grabowski Septic to Sewer; Titusville's St. Johns Baffle Box in draft
- Brevard Zoo will begin the oyster project build season in March
- Budget – Adding funds for new projects approved in 2023 Plan and preparing Fiscal Year 23-24 budget



PRESENTATIONS THIS MONTH:

February 8 – Great Outdoors RV Resort – Brandon

February 16 – Brevard Marine Advisory Council Meeting – Brandon

February 23 – Harbor Branch Oceanographic Institute Indian River Lagoon Symposium – Virginia and Jenny

March 16 – Celebrating the 75th Completed Save Our Indian River Lagoon Project – Titusville & Virginia

March 23 – Titusville Rotary Club – Brandon

March 30 – Indian River Colony Club – Brandon

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

March 21 – Ocean Research & Conservation Association [Fish Processing Intro Workshop](#)

March 24 – Ocean Research & Conservation Association [Fish Processing Intro Workshop](#)

March 29 – Ocean Research & Conservation Association [One Health Fish Monitoring Findings](#)

April 12-14 – Marine Technology Society Tech Surge [Florida Estuary & Coastal Monitoring](#)

April 21 – Marine Discovery Center [Sharing Our Research with Everyone \(ShORE\) Symposium](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

April 1 – Brevard Zoo [Oyster Habitat Supply Making](#)

April 8 – Marine Resources Council [Mangrove Workshop](#)

Marine Resources Council super-clam monitoring, storm drain marking in Melbourne, and Concrete Creations

Program seeking volunteers – [Email Caitlin Bagnall 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 & 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. Project Performance Measurements and Cost-Effectiveness Results
2. Stress to Marine Vertebrates from Exposure to Herbicides
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