



Save Our Indian River Lagoon Project Plan April 2023 Progress Report

WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 380 of 648 detected leaks have been repaired; 55 grant applications received; 46 grant recipient sites have been repaired and processed for payment
- Septic Upgrades – 12 more reimbursements processed of 144 to date; 297 total agreements executed
- Quick Connects – 7 more reimbursements processed of 63 to date: 80 agreements executed
- In-Ground Nitrogen Reducing Biofilter Septic System –collected final field data; finalizing report
- Basin 89/Scottsmoor I Stormwater Treatment – Hydroseeding completed; Working on permit closeout
- Basin 1280B Flamingo Denitrification – Draft permits have been advertised; Working on bid documents
- Basin 1304B Arlington Denitrification – Draft Permits have been advertised; Working on bid documents
- University of Central Florida monitored the Wexford oyster bar installed 24 months ago. Shell bag and gabion samples contained about 100 and 130 oysters, respectively, with larger oysters in the gabions.
- Contract amendments executed - Melbourne Grant Street Water Reclamation, Satellite Beach Hedgecock/Grabowski Septic to Sewer, and Titusville's St. Johns Baffle Box
- Budget – Prepared and submitted Fiscal Year 23-24 budget

WORK UNDERWAY THIS MONTH:

- Federal Legislative Appropriation requests prepared for Septic Upgrades and Eau Gallie Muck Dredging
- 7 Derelict Vessel Removal – State funding is pending for the removal of 22 additional derelict vessels
- South Central C Septic-to-Sewer – Construction is 88.8% complete; 2 of 3 electrical panels arrived
- Micco Sewer Line Extension – Construction is 47% complete; southernmost gravity sewer is underway
- Sykes Creek Zone N Septic-to-Sewer – in bid prep
- Brevard County Septic-to-Sewer –design on hold for South Beaches Zone A, South Central Zone A; Sharpes A & B, and Cocoa C; 75% design is underway for Micco Zone B, South Banana Zone B, North Merritt Island Zone E, Sykes Creek Zone M & T, & Merritt Island Zones F; 30% design in review for Sykes Creek Zone R; 30% design underway for Merritt Island Zones C & G; land acquisition underway for North Merritt Island Zone E, Sykes Creek Zone R, & Micco Zone B.
- Basin 958 Pioneer Rd – Discussing designed slopes with Right of Way
- Basin 1387 Kingsmill-Aurora Phase II – Change Order to update the basin area in the model
- Basin 2258 South Babcock – Design Task Order is out for signature
- Basin 1066 Angel Ave – Design scope finalized with consultant
- Basin 1398 Sand Dollar Canal – Design scope edits submitted to the Consultant
- Sykes Creek Phase 1 Muck Dredging – Removed a total of 50,025 cubic yards to date
- Grand Canal Muck Dredging - Dredging scheduled to resume at the end of April
- Eau Gallie Muck Dredging – Request for Qualifications for consulting services under review
- Canaveral South Muck Dredging – Core sampling for chemical characteristics
- Brevard Zoo is constructing oyster bars in the NIRL along South Tropical Trail, Merritt Island
- Contract Amendments –Indian Harbour Beach Muck Dredging and Interstitial Treatment presented to Board of County Commissioners on 4/18
- Contracts – Statement of work under review for Titusville's Riverfront Nutrient Removing Filtration Boxes and Commons & City Hall Tree Boxes



PRESENTATIONS THIS MONTH:

- March 23 – Titusville Rotary Club – Brandon
- March 30 – Indian River Colony Club – Brandon and Abbey
- April 3 – Basin Management Action Plan Annual Meeting – Terri & Virginia
- April 8 – Catch a Memory Outdoors radio show with Captain Jim Ross - Virginia
- April 15 – Boater’s Exchange Boating and Fishing Expo – Matt, Aleah, and Dominic
- April 21 – Blue Origin’s Earth Day Celebration –Abbey, and Dominic
- April 29 – Beachfly Brewing Ocean LegaSEA Fest - Abbey

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

- April 13– Ocean Research & Conservation Association [Lab Technique Training: Particle Analysis](#)
- April 15 - Boater’s Exchange [Boating and Fishing Expo](#)
- April 25 – Ocean Research & Conservation Association [Pollution Mapping Results to Date](#)
- April 29 – Beachfly Brewing [Ocean LegaSEA Fest](#)
- 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 19 – Ocean Research & Conservation Association [Introduction to Fish Monitoring & Processing](#)
- April 19 – Brevard Zoo [Oyster Reef Building](#)
- April 20 – Brevard Zoo [Oyster Reef Building](#)
- April 23 – Ocean Research & Conservation Association [Nursery Maintenance - Email Wyatt To Register](#)
- May 5 – Marine Resources Council [First Friday Litter Patrol](#)
- 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. Stress to Marine Vertebrates from Exposure to Herbicides
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