



Save Our Indian River Lagoon Project Plan January 2024 Progress Report

WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 552 of 649 code enforcement cases for detected private sewer leaks have been resolved; 79 grant applications have been received; 68 payments have been processed
- Quick Connects – 43 more reimbursements processed of 199 to date; 404 agreements executed
- Septic Upgrades – 9 more reimbursements processed of 226 to date; 393 total agreements executed
- 1 Derelict Vessel Removed
- University of Central Florida conducted monitoring of planter boxes at McNabb Park, finding 75-87% survival of red mangroves, 83% survival of smooth cordgrass, and new recruitment of mangroves
- Grant Applications – Submitted to proposals to the National Estuary Program; one for Quick Connects to sewer and one to start a citizen science stormwater pond monitoring and management program
- Contracts - Woodland Business Center Stormwater Project, Willow Lakes Package Plant Connection, Cocoa Beach Golf Course Aquatic Vegetation Harvesting, and Brevard Zoo North Oyster Amendment executed
- Videos: Curt Smith: My Lagoon Story, Muck-rete, and Cocoa Beach Green Stormwater Infrastructure

WORK UNDERWAY THIS MONTH:

- Incorporating committee members' edits to the Draft 2024 Save Our Indian River Lagoon Project Plan
- South Central C Septic-to-Sewer – 96% complete; third and final lift station passed inspection; project close-out scheduled for 1/31/2024; first 12 homeowner connections completed
- Micco Sewer Line Extension – 95% complete; final segment of sewer line installation is awaiting FDOT clearance; preparing for lift station start - up, then send connection notifications to owners
- Brevard County Septic-to-Sewer – South Banana Zone B and Merritt Island Zone F in permitting; preparing Sykes Creek Zone N and South Beaches Zones O & P for bidding; 75% design review complete for North Merritt Island Zone E; 75% design under review for Sykes Creek M; 75% design underway for Micco Zone B, Sykes Creek Zones R & T; 30% design underway for Sharpes Zones A & B, Cocoa Zone C, South Central Zone D, and Merritt Island Zones C & G
- Basin 2258 Babcock Rd Woodchip Bioreactor – 60% Design received
- Grand Canal Muck Dredging – 2023 dredging season complete; material handling underway
- Sykes Creek Phase 1 Muck Dredging – Kiwanis Island restoration planning in progress
- Sykes Creek Phase 2 Muck Dredging – Taylor Engineering is working on Contractor Bid package
- Eau Gallie Muck Dredging – Atkins working on Contractor Bid package; Preliminary Gopher tortoise survey conducted at dewatering site BV-52
- Canaveral South Muck Dredging – Kick-off meeting with GHD to discuss project development
- FDEP Innovative Technology Grant – AECOM's algae harvester demobilized; final report due April 2024
- Contracts – Titusville Osprey Basin Smoke Testing out for signature

PRESENTATIONS THIS MONTH:

February 21 – University of Florida Water Institute Symposium – Virginia

February 24 – Melbourne Beach Environmental Day – Virginia, Brandon, and Abbey

March 16 – 1000 Islands – Virginia and Brandon

March 23 – Florida Friendly Landscaping Seminar – Brandon and Aleah



UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

January 15 – Ocean Research & Conservation Association [Introduction of ORCA Citizen Science Projects](#)
January 17 – Ocean Research & Conservation Association [Minimizing Pollutants Webinar](#)
January 16 – Ocean Research & Conservation Association [Lab Technique Training: Pipetting](#)
January 23 – Ocean Research & Conservation Association [Introduction to Fish Monitoring & Processing](#)
January 30 – Ocean Research & Conservation Association Lab [Technique Training: Particle Analysis](#)
February 22-23 – [Indian River Lagoon Symposium](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

January 12 & 23 – Ocean Research & Conservation Association [Fish Processing - Register with Missy Weiss](#)
January 15 – Ocean Research & Conservation Association [Fish Homogenization – Register with Missy Weiss](#)
December 16- Brevard Zoo’s Restore Our Shores [Buffer Zone Planting](#)
January 31 – Ocean Research & Conservation Association [Native Plant Nursery - Email Wyatt To Register](#)
January 25 - UF/IFAS [Horseshoe Crab Watch Survey Training](#)
January 27- Brevard Zoo’s Restore Our Shores [Oyster Supply Making](#)
February 3 – Marine Resources Council [First Friday Litter Patrol](#)
Space Coast Surfrider Foundation Blue Water Task Force Monitoring – [Email Chis Baker for more information](#)
Florida Horseshoe Crab Watch – [Email Holly Abeels for more information](#)
Ocean Research & Conservation Association pollution mapping equipment cleaning – [Email Veronica](#)
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](#)
Pineda Waterway Warriors Cleanup – Every 2nd & 4th Saturday at Tropical Trail Exit overpass – [Email Sherill](#)

WEBSITE, SOCIAL MEDIA, NEWSLETTER, AND REPORT LINKS:

Lagoon Loyal Outreach & Engagement Landing Page	Save Our Indian River Lagoon YouTube
Save Our Indian River Lagoon Website	Sign up for our Monthly Newsletter
Save Our Indian River Lagoon Facebook	Sign up for our Weekly Harmful Algal Bloom Reports
Save Our Indian River Lagoon Instagram	Visit Lagoon Loyal for home pollution reduction tips

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

1. Septic Upgrade Rules & Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
2. Regional Wastewater Treatment Feasibility Study by the Economic Development Commission
3. Surface Water Remediation Technologies
4. Turf grass options and alternatives
5. Lagoon Project Feasibility Study Update by St Johns River Water Management District
6. Lagoon Projects - managed and funded by other agencies, entities, or grant programs
7. Nutrient Loading Impacts of Reclaimed Water
8. Project Performance Measurements and Cost-Effectiveness Results
9. Super Clam Restoration and Aquaculture Stimulus Projects
10. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
11. Isotope studies
12. Remote Sensing of Blooms
13. Titusville Causeway Breakwater