



Save Our Indian River Lagoon Project Plan December 2023 Progress Report

WORK COMPLETED THIS MONTH:

- Melbourne High School and Funeral Home Baffle Box completed
- Titusville St. Johns 2 Baffle Box completed
- Leaky Lateral Repairs – 542 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 –50 more reimbursements processed of 158 to date; 423 agreements executed
- Septic Upgrades –10 more reimbursement processed of 217 to date; 380 total agreements executed
- South Central Zone D – Land acquired for vacuum pump station
- Basin 2258 Babcock Rd Woodchip Bioreactor – Data gathering, field recon, and surveying complete
- 3 Derelict Vessels Removed
- University of Central Florida conducted the first monitoring at the Rainwater project, with an average initial spat settlement of approximately 5,300 oysters per square meter
- Contracts - Cocoa Beach McNabb Outfall Bioretention executed

WORK UNDERWAY THIS MONTH:

- 2024 Save Our Indian River Lagoon Project Plan drafted
- Micco Sewer Line Extension – 95% complete; final segment of sewer line installation is underway in front of Cay Marina; preparing for lift station start-up, then send connection notifications to owners
- South Central C Septic-to-Sewer – 96% complete; homeowner connections have started; project close-out scheduled for 1/31/2024
- Brevard County Septic-to-Sewer – South Banana Zone B is in permitting; submitting permit applications for Merritt Island Zone F; 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 Road Woodchip Bioreactor – flow modeling has begun
- Basin 1387 Kingsmill-Aurora Ph II –Time extension approved for additional modeling
- Basin 1066 Angel Ave –Design underway
- Grand Canal Muck Dredging – 2023 dredging season complete; FDEP manatee shutdown period from 12/1/23-3/15-24; Approximately 322,580 cubic yards removed to date
- Sykes Creek Phase 2 Muck Dredging – Taylor Engineering Survey Task order in progress; gopher tortoises relocated on 11/13/2023
- Eau Gallie Muck Dredging – Seagrass survey delivered and gopher tortoise surveys in progress
- Canaveral South Muck Dredging – GHD selected for engineering consulting services
- FDEP Innovative Technology Grant – AECOM’s algae harvesting project and demobilization is complete
- Contracts –Cocoa Beach Golf Course Aquatic Vegetation Harvesting, Titusville Osprey Basin Smoke Testing, and Brevard Zoo North Oyster Amendment under review; Woodland Business Center Stormwater Project and Willow Lakes Package Plant Connection out for signature
- Videos: Curt Smith: My Lagoon Story, Muck-rete, and Cocoa Beach Green Stormwater Infrastructure videos filmed and in editing



PRESENTATIONS THIS MONTH:

Indian River Lagoon Day – Abbey and Cole

Melbourne Chamber of Commerce – Brandon and Don

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

December 12 – Ocean Research & Conservation Association [Introduction to Fish Monitoring & Processing](#)

December 12 – Ocean Research & Conservation Association [Introduction of ORCA Citizen Science Projects](#)

December 18 – Ocean Research & Conservation Association [Lab Technique Training: Particle Analysis](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

December 12 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)

December 14 – Ocean Research & Conservation Association [Fish Homogenization – Register with Missy Weiss](#)

December 16- Brevard Zoo's Restore Our Shores [Buffer Zone Planting](#)

December 18 – Ocean Research & Conservation Association [Particle Analysis - Email Wyatt To Register](#)

December 20 – Ocean Research & Conservation Association [Native Plant Nursery - Email Wyatt To Register](#)

January 5 – Marine Resources Council [First Friday Litter Patrol](#)

January 25 – [UF/IFAS Horseshoe Crab Watch Survey Training](#)

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 to signup](#)

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](#)

Pineda Waterway Warriors Cleanup – Every 2nd & 4th Saturday under Tropical Trail Exit overpass – [Email Sherill](#)

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](#)

[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