



Save Our Indian River Lagoon Project Plan November 2022 Progress Report

WORK COMPLETED THIS MONTH:

- South Central D Septic-to-Sewer Project – held a community meeting with homeowners
- Leaky Lateral Repairs – 109 of 431 detected leaks have been repaired; 28 grant applications received; 14 grant recipient sites have been repaired and processed for payment
- Plumbing Services – New Request for Qualifications resulted in prequalifying 6 plumbers
- Septic Upgrades – 4 more reimbursements processed for a total of 96 completed to date; 230 homeowner cost-share agreements executed
- In-Ground Nitrogen Reducing Biofilter Septic System – All lab results submitted to Florida Department of Environmental Protection; meeting requested to compare results to agreed success metrics
- Cocoa Beach Maritime Hammock Aquatic Vegetation Harvesting – harvesting complete
- Melbourne Grant Place Baffle Box – installation complete
- Brevard Zoo North Indian River Lagoon Oyster Project – installed 1890 sf at multiple locations
- University of Central Florida reported average recruitment of 143 oysters per square meter at 1 month after installation at Castaway Cove. Corrals contained 20 and 31 oysters per sample and gabions contained 22 and 33 oysters per sample for wide and narrow oyster bar footprints, respectively.
- Derelict Vessels removed this month – 1
- Countywide Groundwater Quality Monitoring Report analyzed data from June 2018 to April 2022
- Videos Complete – Fertilizer Best Management Practices and Canal Harvesting
- Terms were renewed for 10 Citizen Oversight Committee members; currently advertising for 4 seats

WORK UNDERWAY THIS MONTH:

- 2023 Plan Update – drafting revisions and reviewing 17 Project Applications
- Oak Point Mobile Home Park – Package Plant conversion to Central Sewer 60% complete
- South Central C Septic-to-Sewer – Construction 64.9% complete; 143 of 147 homeowner connection grants contracted. Construction is underway in the north subdivision.
- Sykes Creek P Septic-to-Sewer – Bid package being finalized
- Sykes Creek M & T Septic-to-Sewer – 30% design underway
- Brevard County Septic-to-Sewer - Survey, design, and engineering continue; 30% design being finalized for 13 projects; homeowner notification letters prepared for distribution. Land acquisition underway.
- Satellite Beach Lori Laine Stormwater Project – Construction has begun
- Basin 79/Scottsmoor C & Basin 89/Scottsmoor I Stormwater Treatments – Baffle box installed; denitrification system under construction; adding access road for baffle box maintenance needs
- Basin 1280B Flamingo Denitrification and Basin 1304B W Arlington Denitrification – Permit application was withdrawn and resubmitted after agency staff agreed they were charging the wrong permit fee
- Basin 958 Pioneer Rd – awaiting permit approval from St Johns River Water Management District
- Basin 1398 Sand Dollar – Working to schedule vegetation harvesting and ditch cleaning in-house
- Basin 1387 Kingsmill-Aurora Phase II – 30% Plans received
- Grand Canal Muck Dredging – Removed a total of 245,000 cubic yards to date
- Sykes Creek Muck Dredging – Removed a total of 18,030 cubic yards to date
- Innovative Technology Grant (INV24) – Draft Quality Assurance Project Plan submitted for state review
- 2022 Audit – Auditor's presentation to the Audit Committee scheduled for November 14th



PRESENTATIONS THIS MONTH:

October 18 – East Merritt Island HOA – Brandon
October 29 – Merritt Island Wildlife Association – Terri
November 1 & 2 – Manatee Forum in St Petersburg– Virginia

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

November 5 – [Indian River Lagoon Day](#)
November 12 – [Titusville Eco Fest: EEARS to the Environment](#)
November 12 – [Boater's Exchange Lagoon Loyal Day](#)
January 19 – Brevard Indian River Lagoon Coalition Straight Talk Titusville

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

November 12 – Marine Resources Council [Mangrove Workshop](#)
November 14, 15, 21, & 22 – Brevard Zoo Clam Restoration – Email [Restore Our Shores](#) to register
November 18– Brevard Zoo [Oyster Habitat Building](#)
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 – New Custom URL Handle https://youtube.com/@saveourlagoon](#)
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. Lagoon Projects - managed and funded by other agencies, entities, or grant programs
7. Indian River Lagoon Research News: Conference, Symposium, or Assembly Highlights
8. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
9. Clam Restoration and Aquaculture Stimulus Projects
10. Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
11. Low Impact Development/Green Infrastructure/Resilience: Local examples and potential opportunities
12. Microplastics – University of Central Florida research
13. Isotope studies
14. Zoo Conservation/Aquarium
15. Bottle caps as denitrification media
16. Titusville Causeway Multi-Trophic Restoration and Living Shoreline Resiliency Action Plan