



## Save Our Indian River Lagoon Project Plan August 2023 Progress Report

### WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 438 of 646 detected private sewer leaks have been repaired; 61 grant applications received; 48 payments processed
- Quick Connects – 9 more reimbursements processed of 83 to date; 312 agreements executed. Over 200 sewer connection applications have been requested by homeowners since the most recent mailing
- Septic Upgrades – 1 more reimbursement processed of 175 to date; 334 total agreements executed
- Basin 1398 Sand Dollar Canal Harvesting – Harvesting is complete
- University of Central Florida conducted 6- and 9-month monitoring on the planter boxes at McNabb Park. Mangroves planted 6 months ago had 94.6% survival. Mangroves and cordgrass planted 9 months ago had 77.1% and 98.4% survival, respectively. Both mangroves and cordgrass have grown in height, on average. Cordgrass shoot density has increased and mangrove flowers were observed.
- Brevard Zoo Restore Our Shores reported growth of gardened oysters and engagement of 24 community volunteers sorting approximately 19,000 oysters used to seed projects in the North IRL. For 3-month monitoring of clam gardens, the Zoo reported approximated 29% survival.
- Contracts executed – Titusville Riverfront Nutrient Removing Filtration Boxes, Melbourne's Spring Creek Baffle Box, and Spring Creek Dredging
- Contracts Amended - Cocoa Beach Golf Muck Project; West Melbourne Ray Bullard Water Reclamation Facility Upgrade; Melbourne Grant Street Water Reclamation Facility Upgrade
- Videos: Grand Canal Dredging, Interstitial Treatment, and Barbara Wall's My Lagoon Story

### WORK UNDERWAY THIS MONTH:

- 2023 Audit – sharing requested files with the Auditors
- \$100M Indian River Lagoon Grant Program – writing proposals for septic, sewer, and muck projects
- 8 Derelict Vessels Removed
- In-Ground Nitrogen-Reducing Biofilter system – final report sent to the state for review/acceptance
- South Central C Septic-to-Sewer – 92% complete; lift station plumbing done; electrical work underway
- Micco Sewer Line Extension – connecting and sealing manholes
- Brevard County Septic-to-Sewer – 90% design underway and preparing permit submittals for South Banana Zone B and Merritt Island Zones F; 75% design review complete for North Merritt Island Zone E; 75% under review for Sykes Creek M; 75% design underway for Micco Zone B, Sykes Creek Zone R, Sykes Creek Zone T; FPL installing power line for Sykes Creek Zone N
- Basin 1387 Kingsmill-Aurora Phase II – 90% Design Plans
- Basin 71 Flounder Creek, Basin 1124 Elliot Canal, Basin 1398 Sand Dollar Canal - grant contracting
- Grand Canal Muck Dredging – Dredging underway; removed 274,561 cubic yards to date
- Sykes Creek Phase 1 Muck Dredging – Dredging underway; removed 71,433 cubic yards to date
- Sykes Creek Phase 2 Muck Dredging – Taylor Engineering selected to provide engineering consulting services; Permit application submitted for gopher tortoise relocation
- Eau Gallie Muck Dredging – Kick off meeting with consultant held to discuss project task orders
- Canaveral South Muck Dredging – Comparing the estimated costs for capping versus dredging
- TDC-funded Recreation and Manatee Field Guide Signs – designs completed; signs ordered
- Videos underway: Septic Maintenance; Muckrete; Don Deis' & Bobby Putnam's My Lagoon Story



**PRESENTATIONS THIS MONTH:**

July 22 – Florida Watermen Alliance – Brandon, Vinnie, and Laurilee

August 1 – Marine Resources Lunch and Learn, Sebastian Inlet Seagrass Monitoring – Don Deis

**UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:**

August 15 – Ocean Research & Conservation Association [Introduction of Citizen Science Projects](#)

August 18 – Ocean Research & Conservation Association [Lab Technique Training: Pipetting 101](#)

August 29 – Ocean Research & Conservation Association [Lab Technique Training: Particle Analysis](#)

August 30 – Ocean Research & Conservation Association [Land to Sea: Buffered & Living Shorelines](#)

October 19-20 – Marine Resources Council [Low Impact Development Conference](#)

**UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:**

August 11- Brevard Zoo's Restore Our Shores [Oyster Bar Supply Making](#)

August 19- Brevard Zoo's Restore Our Shores [Oyster Bar Supply Making](#)

August 15 & 24 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)

August 26- Brevard Zoo's Restore Our Shores [Oyster Bar Supply Making](#)

August 30 – Ocean Research & Conservation Association [Native Plant Nursery - Email Wyatt To Register](#)

September 1 – Marine Resources Council [First Friday Litter Patrol](#)

Space Coast Surfrider Foundation Blue Water Task Force Monitoring – [Email Chis Baker for more information](#)

Ocean Research & Conservation Association Pollution Mapping equipment cleaning – [Email Veronica to sign up](#)

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 2<sup>nd</sup> Saturday under Tropical Trail Exit overpass – [Email Sherill for more information](#)

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