



## Save Our Indian River Lagoon Project Plan August 2024 Progress Report

### WORK COMPLETED THIS MONTH:

- Grant proposals - prepared and submitted applications for Micco Zone B and Sykes Zone M Septic to Sewer
- Leaky Lateral Repairs – 1 non-code cases voluntarily resolved for a total of 18 to date; 10 additional cases resolved for a total of 672 out of 691 code enforcement cases for detected private sewer leaks resolved
- Quick Connects – 6 more reimbursements processed of 341 to date; 408 agreements executed
- Septic Upgrades – 6 more reimbursements processed of 287 to date; 495 total agreements executed
- Derelict Vessels Removed: 2
- University of Central Florida monitored the McNabb Park project in July and found 73% survival of the red mangroves installed 2 years ago, 87% survival for the red mangroves installed 18 months ago, complete cover in the cordgrass planter boxes installed 18 months ago, degradation of the cement jute lining of the planter boxes; some erosion in the mangrove planter boxes; and growth to reproductive size for oysters installed 12 months ago, with an average of 7 oysters/m<sup>2</sup> for gardened oysters on collapsed prisms, 122 oysters/m<sup>2</sup> in gabions seeded with gardened oysters, and 201 oysters/m<sup>2</sup> on prisms seeded with spat on shell
- Brevard Zoo – constructed an additional 3,037 ft<sup>2</sup> of oyster reef in the Northern Indian River Lagoon
- Contracts executed – Golf Course Veg Harvesting Amendment 1; Central IRL Oyster Project 2 Amendment 2; Micco Groundwater Monitoring Task Order; 3 State grants for \$1,900,000, \$\$1,874,500 and \$1,165,236

### WORK UNDERWAY THIS MONTH:

- Quarterly grant reports submitted to the state for 27 active grants
- South Central C Septic-to-Sewer – 89 of 150 homeowner connections completed
- Micco Sewer Line Extension – 97% complete; lift station start-up successful; finishing punch list; requesting state clearance to begin connecting the parcels
- Brevard County Septic-to-Sewer – Sykes Creek Zone M, N & T, South Banana Zone B, and South Beaches Zones O & P are in the que for bidding construction
- Brevard County Septic-to-Sewer – 100% design received and state permit submitted for Merritt Island Zone F; 90% design underway and state permit being prepared for Merritt Island Zone C; 75% design underway for Sykes Creek Zones R, North Merritt Island Zone E South Central D; Cocoa Zone C and Sharpes Zone B; 30% design underway for Sharpes Zones A, Micco Zone B, and Merritt Island Zones G; new notice of award issued for design of South Central Zone A; land acquisition escrow deposit made for Sharpes Zone B lift station; final land acquisitions for Sykes Zone R and Zone T are scheduled for Commission approval on August 27
- Brevard County Stormwater Basin 1304 West Arlington - out to bid
- Brevard County Stormwater Basin 958/960 Pioneer - preparing to bid
- Brevard County Stormwater Basin 1280B Flamingo - preparing to bid
- Grand Canal Muck Dredging – underway- approximately 377,265 cubic yards dredged as of 7/20/2024
- Sykes Creek Muck Dredging - Kiwanis Island Park restoration underway
- Titusville Causeway Multi-Trophic Restoration & Living Shorelines Resiliency Project – 1st Wave Attenuation Devices poured and staged onsite
- Seagrass and Oyster Restoration Resilience Project – Ecological Associates completed baseline monitoring
- Contracts – Merritt Country Mobile Home Park Septic to Sewer contract and 5 amendments in review; 4 in draft
- Federal Appropriations – Preparing contract docs for Septic Upgrades and Grand Canal Muck Removal
- Education and Outreach – Scoping first annual Task Order with SparkTide
- Videos – Seagrass Restoration Experimental Design and Implementation and Rockledge Flow Equalization Basin

Complete	95
In Progress	96
Complete + In Progress	191
<b>Total Projects in the Plan</b>	<b>432</b>

**PRESENTATIONS THIS MONTH:**

- July 24 – Marine Resources Council American Assembly – Brandon and Virginia
- July 28 – Brevard Zoo Science Sunday – Brandon
- August 4 – Brevard Zoo Science Sunday – Virginia
- August 12 – WMMB Radio Interview – Virginia and Curt
- August 17 – Cocoa Beach Lutheran Church of the Resurrection Lagoon Talk - Brandon
- August 18 – Brevard Zoo Science Sunday – Abbey
- August 25 – Brevard Zoo Science Sunday – Brandon

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

- September 3 – Marine Resources Council – [Lagoon at Noon Seminar](#)
- October 21 – Ocean Research and Conservation Association – [Pollution Mapping Citizen Science Training](#)

**UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:**

- August 10 – Pineda Waterway Warriors Cleanup – [Email Sherill](#)
- August 15 – Ocean Research & Conservation Association [Fish Processing – Register with Missy Weiss](#)
- August 22 – Keep Brevard Beautiful [Sykes Creek Cleanup](#)
- August 24 – Marine Resource Council [Mangrove Workshop](#)
- August 28 – Ocean Research & Conservation Association Nursery Maintenance – [Register with Wyatt Martin](#)
- August 29 – Ocean Research & Conservation Association [Fish Processing – Register with Missy Weiss](#)
- September 6 – Marine Resources Council [First Friday Litter Patrol](#)
- September 13 – Marine Resource Council [Mangrove Workshop](#)

*Ongoing volunteer opportunities:*

- 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 Missy Weiss](#)
- Ocean Research & Conservation Association microplastic analysis – [Email Missy Weiss](#)
- Rotary Park rain garden maintenance or storm drain marking – [Email Carlos Cuevas](#)

**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. Stormwater Project Feasibility Study Update by St Johns River Water Management District
2. Project Performance Measurements and Cost-Effectiveness Results
3. Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
4. Seagrass Trends in the Lagoon
5. Lagoon Projects - Managed and Funded by Other Agencies, Entities, or Grant Programs
6. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
7. Turf Grass Options and Alternatives
8. Integrated Herbicide Management
9. Innovative Technologies for Sensing, Predicting and Controlling Harmful Algae Blooms