



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

### WORK COMPLETED THIS MONTH:

- Grant proposals - prepared and submitted through the state portal for the following: North Merritt Island Zone E Septic to Sewer \$9,652,467, Sharpes B Septic to Sewer \$2,385,393, Quick Connects to Sewer \$2,700,000, Cove Condominium \$505,460, Skidmore Trailer Park conversion to Central Sewer \$366,990, Septic Upgrades \$900,000, Eau Gallie Causeway Northeast Muck Removal \$7,510,244, Sykes Creek Phase 2 Muck Removal \$4,324,002, Canaveral South Muck Removal Design and Permitting \$1,213,815, Sunnyland Canals Muck Removal Design and Permitting \$220,000, 528 Causeway Removal Feasibility Study \$350,000, Lagoon Circulation and Bloom Forecast Model \$295,065
- Leaky Lateral Repairs – 3 non-code cases voluntarily resolved for a total of 17 to date; 662 of 691 code enforcement cases for detected private sewer leaks have been resolved
- Quick Connects – 17 more reimbursements processed of 335 to date; 405 agreements executed
- Septic Upgrades – 6 more reimbursements processed of 281 to date; 488 total agreements executed
- Derelict Vessels Removed: 2
- University of Central Florida reviewed years of recruitment data gathered at all monitoring sites and found increasing recruitment and increasing numbers of potentially reproductive oysters, especially 1) in the last 2 years, 2) in south Brevard, and 3) in open water sites, with peak recruitment in 2023
- Brevard Zoo – Completed the North IRL Oyster project - 21,600 sq ft of oyster reef was constructed and Hog Point Oyster Breakwater Construction completed – 3,600 sq ft of oyster reef constructed
- Seagrass and Oyster Restoration Resilience Project – Construction and planting complete
- Contracts executed – Spring Creek Baffle Box Amendment 1; North IRL Oyster Projects 2 & 3 Amendment 1; Micco Groundwater Monitoring Task Order; 2 State grants for \$900,000 and \$1,800,000
- Videos: Cocoa Beach McNabb Outfall Bioretention

### WORK UNDERWAY THIS MONTH:

- South Central C Septic-to-Sewer – 81 of 150 homeowner connections completed
- Micco Sewer Line Extension – 96% complete; lift station connected to power; start-up to be scheduled
- Brevard County Septic-to-Sewer – preparing to bid Sykes Creek Zone M, N & T, South Banana Zone B, and South Beaches Zones O & P; 100% design received for Sykes Creek M & T and Merritt Island Zone F; 90% design underway for Merritt Island Zone C; 75% design underway for Sykes Creek Zones R and North Merritt Island Zone E; 30% and 75% design in progress simultaneously for South Central D; 30% design under review for Cocoa Zone C and Sharpes Zone B; 30% design underway for Sharpes Zones A, Micco Zone B, and Merritt Island Zones G
- Sharpes Zone B – land acquisition - Escrow deposit made; closing date is 9/6/24
- Titusville Causeway Multi-Tropic Restoration and Living Shorelines Resiliency - staging area established
- Basin 1304 West Arlington and Basin 1280B – Going out to bid this month
- Basin 1066 Angel Ave - geotechnical analysis complete
- Grand Canal Muck Dredging – underway- approximately 365,179 cubic yards dredged as of 6/20/2024
- Sykes Creek Muck Dredging - Kiwanis Island Park restoration underway
- Contracts – 6 grant contracts in review; 5 amendments in review; 4 in draft
- Federal Appropriations – Preparing contract docs for Septic Upgrades and Eau Gallie Muck Removal
- Education and Outreach – Seagrass planting video and Scoping first annual Task Order with SparkTide

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

**PRESENTATIONS THIS MONTH:**

- July 5 – Interview on Litter Impacts to the Lagoon and Marine Life – Virginia
- July 7 – Brevard Zoo Science Sundays – Brandon
- July 14 – Brevard Zoo Science Sunday – Aleah

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

- July 24 – Marine Resources Council – [Inspirational Hour](#)
- July 25 – Ocean Research and Conservation Association – [Buffered Shoreline Monitoring Training](#)
- August 6 – Marine Resources Council – [Lagoon at Noon Seminar](#)

**UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:**

- July 16 – Ocean Research & Conservation Association [Pollution Mapping Supply Prep – Email Natalie](#)
- July 16 – Ocean Research & Conservation Association [Water Sample Prep – Register with Lauren Kleiman](#)
- July 20 – Keep Brevard Beautiful [Cape Crossing Cleanup](#)
- July 24 – Ocean Research & Conservation Association [Fish Processing – Register with Missy Weiss](#)
- July 27 – Marine Resource Council [Mangrove Workshop](#)
- July 29 – Ocean Research & Conservation Association [Fish Processing – Register with Missy Weiss](#)
- July 31 – Ocean Research & Conservation Association Nursery Maintenance – [Register with Wyatt Martin](#)
- August 2 – Marine Resources Council [First Friday Litter Patrol](#)
- August 9– Marine Resource Council [Mangrove Workshop](#)
- August 22 – Keep Brevard Beautiful [Sykes Creek Cleanup](#)
- 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 in Cocoa – [Email Carlos Cuevas](#)
- Pineda Waterway Warriors Cleanup – Every 2<sup>nd</sup> & 4<sup>th</sup> Saturday at multiple locations – [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. Project Performance Measurements and Cost-Effectiveness Results
2. Wastewater Treatment and Septic Upgrade Rules & Projected Impacts of Future Growth
3. Regional Wastewater Treatment Feasibility Study by the Economic Development Commission
4. Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
5. Lagoon Project Feasibility Study Update by St Johns River Water Management District
6. Water Quality and Seagrass Trends in the Lagoon
7. Lagoon Projects - Managed and Funded by Other Agencies, Entities, or Grant Programs
8. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
9. Turf Grass Options and Alternatives
10. Integrated Herbicide Management
11. Innovative Technologies for Sensing, Predicting and Controlling Harmful Algae Blooms