



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

### WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 378 of 641 detected private lateral leaks have been repaired; 55 grant applications received; 46 grant recipient sites have been repaired and processed for payment
- Septic Upgrades – 10 more reimbursements processed of 154 to date; 304 total agreements executed
- Quick Connects – 1 more reimbursement processed of 64 to date: 122 agreements executed. Over 100 applications requested from homeowners in response to the most recent mailing
- University of Central Florida vegetation monitoring at McNabb Park showed plant survival at >81% after three to six months post-planting
- Aquaculture Stimulus Grant Program – Reimbursed 2 farmers for planting 1.5 million clam seed on Brevard aquaculture leases; total of 2 million planted to date

### WORK UNDERWAY THIS MONTH:

- State Legislature recommended \$23.3M for specific Septic Upgrades, Muck Dredging and Interstitial Treatment plus \$100M for Indian River Lagoon projects
- State Legislature recommended the state create a 10-year Florida Seagrass Restoration Plan
- State Legislature recommended an Indian River Lagoon Protection Program to increase septic to sewer conversions, stop use of conventional septic, and require upgrades to 65% nitrogen removing systems
- 4 Derelict Vessels Removed – Funding is in place for the removal of 22 additional derelict vessels
- South Central C Septic-to-Sewer – 88.8% complete; lift station plumbing and electrical work underway
- Micco Sewer Line Extension – Southernmost gravity sewer is complete
- Sykes Creek Zone N Septic-to-Sewer – In bid prep; finalizing a joint participation agreement that will provide partial funding from the Florida Department of Transportation
- Brevard County Septic-to-Sewer – 75% design in review for North Merritt Island Zone E; 75% design underway for Micco Zone B, South Banana Zone B, Sykes Creek Zone R, Sykes Creek Zone M & T, and Merritt Island Zones F; 30% design underway for Merritt Island Zones C & G; land acquisition underway for North Merritt Island Zone E, Sykes Creek Zone R, and Micco Zone B; design change needed for South Beaches Zone A; temporary holds for South Central Zone A; Sharpes A & B, and Cocoa C
- In-Ground Nitrogen Reducing Biofilter Septic System – 60-day extension approved to finalize report
- Basin 1387 Kingsmill-Aurora Phase II – Meeting with Consultant to resolve modeling questions
- Basin 2258 South Babcock – Design Task Order is out for signature
- Basin 1066 Angel Ave – Design Task Order is out for signature
- Basin 1398 Sand Dollar Canal – Coordinating design scope with Public Works
- Sykes Creek Phase 1 Muck Dredging – Removed a total of 58,200 cubic yards to date
- Grand Canal Muck Dredging - DMMA preparations underway
- Eau Gallie Muck Dredging – Qualifications for consulting services received; selection process underway
- Canaveral South Muck Dredging – Core sampling for chemical characteristics complete; awaiting report
- Contract Amendments – Indian Harbour Beach Muck Dredging and Interstitial Treatment out for signature
- Contracts – Titusville's Riverfront Nutrient Removing Filtration Boxes and Commons & City Hall Tree Boxes out for signature; Melbourne's High School & Funeral Home Baffle Box out for signature



#### **PRESENTATIONS THIS MONTH:**

April 21 – Blue Origin’s Earth Day Celebration – Abbey, and Dominic

April 29 – Beachfly Brewing Ocean LegaSEA Fest – Abbey

May 11 – Heritage Isle Democratic Club - Virginia

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

May 16 - Ocean Research & Conservation Association [Introduction to One Health Fish Monitoring & Fish Processing](#)

May 17– Ocean Research & Conservation Association [Lab Technique Training: Pipetting & Dilutions](#)

May 19 – Ocean Research & Conservation Association [Introduction of Citizen Science Projects](#)

#### **UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:**

May 16 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)

May 24 – Ocean Research & Conservation Association [Fish Processing/Extractions/Homogenization - Email Missy Weiss To Register](#)

June 2 – Marine Resources Council [First Friday Litter Patrol](#)

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> & 4<sup>th</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. Surface Water Remediation Technologies
2. Turf grass options and alternatives
3. Lagoon Projects - managed and funded by other agencies, entities, or grant programs
4. Nutrient Loading Impacts of Reclaimed Water
5. Project Performance Measurements and Cost-Effectiveness Results
6. Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
7. Clam Restoration and Aquaculture Stimulus Projects
8. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
9. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
10. Low Impact Development/Green Infrastructure/Resilience: Local examples and potential opportunities
11. Microplastics – University of Central Florida research
12. Isotope studies
13. Zoo Conservation/Aquarium
14. Bottle caps as denitrification media
15. Indian River Lagoon Research News: Conference, Symposium, or Assembly Highlights
16. Titusville Causeway Multi-Trophic Restoration and Living Shoreline Resiliency Action Plan