



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

### WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 662 of 691 code enforcement cases for detected private sewer leaks resolved
- Quick Connects – 35 more reimbursements processed of 310 to date; 405 agreements executed
- Septic Upgrades – 15 more reimbursements processed of 268 to date; 460 total agreements executed
- Derelict Vessels Removed: 5
- University of Central Florida conducted 6-month monitoring at the Rainwater oyster bar, finding an estimated 2,050 to 3,700 oysters per square meter with about 25% having reached reproductive size
- Restore Our Shores Community Collaborative reported over 144,000 oysters are currently in the care of gardeners; 2,476 clams from last season's gardening were placed in two restoration sites
- Contracts – Woodland Business Center, Rockledge Flow, Willow Lakes, Grant WRF, Riverside S2S, Hoag S2S, Roxy S2S, Cherry St. BB Amendments and MTN Lagoon Loyal task order Executed
- Project updates submitted to Environmental Protection Agency through the National Estuary Program

### WORK UNDERWAY THIS MONTH:

- South Central C Septic-to-Sewer – 56 of 149 homeowner connections completed
- Micco Sewer Line Extension – 96% complete; final section of force main installed for marina
- Brevard County Septic-to-Sewer – preparing Sykes Creek Zone N and South Beaches Zones O & P for bidding; permits received for South Banana Zone B; permit applications submitted for Merritt Island Zone F; 100% design underway for Sykes Creek M; 90% design underway for Merritt Island Zone C; 75% design review complete for North Merritt Island Zone E; 75% design underway for Micco Zone B, Sykes Creek Zones R & T; 30% and 75% design in progress simultaneously for South Central D; 30% design underway for Sharpes Zones A & B, Cocoa Zone C, and Merritt Island Zones G
- Sharpes Zone B – land acquisition underway
- Basin 1304 West Arlington – draft bid documents are being reviewed
- Basin 1387 Kingsmill – Change order to structural engineer a large weir is out for signature
- Basin 1398 Sand Dollar - Geotechnical & Survey investigation underway: design due in September
- Basin 1066 Angel Ave - Wetland delineation received; impacts will need to be mitigated
- Stormwater basin feasibility study identified a potential wet pond site
- Titusville Causeway Multi-Tropic Restoration and Living Shorelines Resiliency to start May 13<sup>th</sup>
- Federal Appropriation Requests submitted for Quick Connects and Sykes Creek Muck Removal
- Grand Canal Muck Dredging – Dredging underway- approximately 335,715 cubic yards removed
- Sykes Creek Muck Dredging - Phase 1 DMMA restoration underway; plantings to begin on May 13<sup>th</sup>
- Sykes Creek Phase 2 - Taylor Engineering working on Technical Specs for Contractor bid package
- Eau Gallie Muck Dredging – Bid opening scheduled for 5/7
- Canaveral South Muck Dredging – Benthic and shoreline survey completed
- Patrick SFB/Pineda BRL Muck Dredging - Bathymetric survey and probing began; vibracoring scheduled
- Titusville East and West Muck Dredging – Request for Qualifications posted 4/10, opening on 5/10
- Titusville Causeway Multitrophic Restoration Project – bid awarded and contracting underway
- Seagrass and Oyster Restoration Resilience Project – bids opened; contract awards underway
- Contracts – Cocoa Forrest Ave Stormwater out for signature; 9 amendments in review; 4 in drafting
- Public Outreach Campaigns awarded to SparkTide



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

- May 1 – WUCF NewsNight – Brandon and Laurilee Thompson
- May 2 – Lagoones YouTube Channel - Brandon
- May 14 – Small Business Chamber – Brandon
- May 16 – Kennedy Space Center Barracudas Dive Club – Terri
- May 21 – Indian River Isles HOA Presentation – Aleah

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

- May 15 – Ocean Research & Conservation Association [Lab Technique Training Pipetting & Dilutions](#)
- May 15 – Ocean Research & Conservation Association [Lab Technique Training: Particle Analysis](#)
- May 16 – Ocean Research & Conservation Association [Introduction to Citizen Science Projects](#)
- May 29 – Ocean Research & Conservation Association [Introduction to One Health Fish Monitoring](#)

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

- May 15 – Ocean Research & Conservation Association [Fish Processing – Register with Missy Weiss](#)
- May 17 – Ocean Research & Conservation Association [Fish Processing – Register with Missy Weiss](#)
- May 25 – Marine Resource Council [Mangrove Workshop](#)
- May 28 – Ocean Research & Conservation Association [Fish Processing – Register with Missy Weiss](#)
- May 28 – Keep Brevard Beautiful – [Post Memorial Day 528 Cleanup](#)
- May 29 – Ocean Research & Conservation Association Nursery Maintenance – [Register with Wyatt Martin](#)
- June 1 – Keep Brevard Beautiful – [Summer Series Cleanup](#)
- June 7 – Marine Resources Council [First Friday Litter Patrol](#)
- 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 Veronica](#)
- Marine Resources Council Litter Removal and Concrete Creations Program volunteers – [Email Caitlin Bagnall](#)
- 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 Plant Upgrades and Associated Nutrient Load Reductions in Reclaimed Water
3. Regional Wastewater Treatment Feasibility Study by the Economic Development Commission
4. Septic Upgrade Rules & Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
5. Lagoon Project Feasibility Study Update by St Johns River Water Management District
6. Lagoon Projects - Managed and Funded by Other Agencies, Entities, or Grant Programs
7. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
8. Turf Grass Options and Alternatives
9. Integrated Herbicide Management
10. Titusville Causeway Breakwater Remote Sensing of Blooms