



Save Our Indian River Lagoon Project Plan April 2024 Progress Report

WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 660 of 681 code enforcement cases for detected private sewer leaks have been resolved; 81 grant applications have been received; 70 payments have been processed
- Quick Connects – 10 more reimbursements processed of 275 to date; 405 agreements executed
- Septic Upgrades – 11 more reimbursements processed of 253 to date; 449 total agreements executed
- Derelict Vessels Removed: 3
- University of Central Florida conducted 18-month monitoring at the Castaway Cove oyster bar, finding an estimated 1,144 oysters per square meter; more oysters were present in gabions than corrals and in narrow versus wide modules; and 60% of measured oysters have reached reproductive size
- Federal Appropriations - Septic Upgrades awarded \$1.4M, Eau Gallie Muck Removal awarded \$1.7M
- Contracts – Titusville Osprey Basin Smoke Testing, Sand Point Baffle Box Amendment, McNabb Outfall Bioretention Amendment executed; Titusville Living Shoreline Notice of Funding Sent
- Video – Crane Creek/M-1 Canal Rediversion Project

WORK UNDERWAY THIS MONTH:

- South Central C Septic-to-Sewer – 39 homeowner connections completed
- Micco Sewer Line Extension – 95% complete; lift station powered for start-up
- 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
- Basin 958 Pioneer Rd Stormwater project - ready to bid; Grant awarded for \$645,000
- Basin 71 Flounder - preparing contract for bid docs; Grant awarded for \$157,500
- Basin 1387 Kingsmill - 90% plans under review; Grant awarded for \$1,200,000
- Basin 1398 Sand Dollar - survey & geotechnical investigation underway; Grant awarded for \$1,500,000
- Basin 1066 Angel Ave - Wetland delineation received and survey is being scheduled this month
- Basin 212 East Main St Basin in Mims – Design ordered
- Stormwater – 3 additional basins are being studied for feasibility
- Grants awarded for Basin 1280 Flamingo (\$220,000), Basin 1304 West Arlington (\$119,512)
- Grand Canal Muck Dredging – Dredging resumed on 3/28, after manatee seasonal closure
- Sykes Creek Muck Dredging - Phase 1 DMMA restoration underway, Phase 2 bid docs in review
- Eau Gallie Muck Dredging – Pre-bid meeting held on 3/22; Bid opening scheduled for 4/23
- Canaveral South Muck Dredging – Benthic and shoreline surveys of project area scheduled for 4/14
- Patrick SFB/Pineda BRL-Task Order executed for muck deposit investigation
- Brevard Zoo constructing approximately 6,000 square feet of oyster modules in Melbourne
- Titusville Causeway Multitrophic Restoration Project – bid awarded and contracting underway
- Contracts – Cocoa Forrest Ave Stormwater Improvement, Woodland Business Center, Willow Lakes, and Rockledge Flow Amendment 2 are out for signature; 10 amendments in review; 5 in drafting
- Public Outreach Campaigns out for bid; Lagoon Loyal Community Challenge



PRESENTATIONS THIS MONTH:

- April 13 – Palm Bay Sustainability Fair – Abbey and Cole
- April 20 – Enchanted Forest Earth Day Celebration – Melanie and Abbey
- April 21 – Friendship Fellowship of Pineda - Virginia
- April 23 – Rotary Club Eco Group – Terri
- April 24 – Indialantic Rotary Club – Abbey
- April 30 – Rotary Club Eco Group – Laurilee Thompson
- May 16 – Kennedy Space Center Barracudas Dive Club - Terri

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

- April 18 – Ocean Research & Conservation Association [Lab Technique Training Pipetting & Dilutions](#)
- April 24 – Ocean Research & Conservation Association [Introduction to Citizen Science Projects](#)
- April 25 – Ocean Research & Conservation Association [Lab Technique Training: Particle Analysis](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

- April 16 – Ocean Research & Conservation Association Fish Homogenization – [Register with Missy Weiss](#)
- April 20th Ocean Research & Conservation Association [Riverside Park Living Shoreline Installation](#)
- April 24 – Ocean Research & Conservation Association Fish Processing – [Register with Missy Weiss](#)
- April 24 – Ocean Research & Conservation Association Nursery Maintenance – [Register with Wyatt Martin](#)
- April 27 – Marine Resource Council [Mangrove Workshop](#)
- May 3 – 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 2nd & 4th 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
11. Remote Sensing of Blooms