



Save Our Indian River Lagoon Project Plan October 2023 Progress Report

WORK COMPLETED THIS MONTH:

- Satellite Beach Lori Laine Basin project complete
- Leaky Lateral Repairs – 420 of 649 detected private sewer leaks have been repaired; 63 grant applications received; 51 payments processed
- Quick Connects – 8 more reimbursements processed of 120 to date; 390 agreements executed. Over 275 sewer connection applications have been requested by homeowners since the most recent mailing
- Septic Upgrades – 13 more reimbursement processed of 203 to date; 351 total agreements executed
- University of Central Florida conducted 1-month post-deployment monitoring of the second spat-deployment at McNabb Park. Within the gabions, the number of oysters decreased by 54% but growth was observed. On the prisms, sizes were similar to deployment with a slight increase in the number of oysters observed. One-year monitoring at Castaway Cove noted a large recruitment event increasing the number of oysters by 3 to 8 times and found similar oyster sizes present in all four design types.
- Videos: Bobby Putnam's My Lagoon Story
- FDEP grant contract for Willow Lakes Package Plant Connection Executed
- Legislative Priorities and Funding Requests – prepared and submitted 2 funding requests for septic to sewer, 2 for muck removal, 200 homeowner quick connects to sewer, 100 homeowner septic upgrades and 1 feasibility study for causeway reduction

WORK UNDERWAY THIS MONTH:

- Sixteen (16) 2024 project applications were received and are under review
- Closing out the old Fiscal Year and opening Purchase Orders for the new Fiscal Year 2
- Derelict Vessels Removed
- Micco Sewer Line Extension – 95% complete; Site restoration at lift station underway; need to connect Sebastian Marina, run line to Cay Marina; FPL needs to energize primary conductors to lift station
- South Central C Septic-to-Sewer – 93.7% complete; first lift station start-up successful, awaiting FPL power connection for the other two and state approval to start connecting homes
- Brevard County Septic-to-Sewer – 100% design underway and preparing permit submittals for South Banana Zone B and Merritt Island Zones F; 75% design review complete for North Merritt Island Zone E; 75% under review for Sykes Creek M; 75% design underway for Micco Zone B, Sykes Creek Zone R, Sykes Creek Zone T; FPL installing power line for Sykes Creek Zone N
- Grand Canal Muck Dredging – Dredging underway; 299,596 cubic yards removed
- Sykes Creek Phase 1 Muck Dredging – DMMA restoration plan under development
- Sykes Creek Phase 2 Muck Dredging – Gopher tortoise relocation scheduled for October
- Eau Gallie Muck Dredging – Working on bid documents
- Canaveral South Muck Dredging – RFQ for engineering consulting services went out on 9/29/2023
- TDC-funded Recreation and Manatee Field Guides – signs arrived, were delivered to parks and installed
- FDEP Innovative Technology Grant – AECOM's algae harvesting demonstration project is underway
- Contracts – Cocoa Beach McNabb Outfall Bioretention and Rockledge Flow Equalization Basin time extension amendment under review



PRESENTATIONS THIS MONTH:

- September 21 – CAMI Bringing Back Our Blue Lagoon Talk – Brandon & Anthony
October 3 – Marine Resources Brown Bag Lunch – Virginia
October 5 – A Day in the Life of the Indian River Lagoon – Aleah & Brandon

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

- October 18 – Ocean Research & Conservation Association [Introduction to Fish Monitoring and Processing](#)
October 19-20 – Marine Resources Council [Low Impact Development Conference](#)
October 30 – Ocean Research & Conservation Association [Lab Technique Training: Particle Analysis](#)
October 31 – Ocean Research & Conservation Association [Pollution Mapping Refresher](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

- October 16- Brevard Zoo's Restore Our Shores [Oyster Sorting](#)
October 20 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)
October 23- Brevard Zoo's Restore Our Shores [Oyster Sorting](#)
October 25 – Ocean Research & Conservation Association [Native Plant Nursery - Email Wyatt To Register](#)
October 31 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)
November 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 to signup](#)
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 2nd 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 YouTube](#)
[Save Our Indian River Lagoon Website](#) [Sign up for our Monthly Newsletter](#)
[Save Our Indian River Lagoon Facebook](#) [Sign up for our Weekly Harmful Algal Bloom Reports](#)
[Save Our Indian River Lagoon Instagram](#)

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

1. Lagoon Project Feasibility Study Update by St Johns River Water Management District
2. Regional Wastewater Treatment Feasibility Study by the Economic Development Commission
3. Surface Water Remediation Technologies
4. Turf grass options and alternatives
5. Lagoon Projects - managed and funded by other agencies, entities, or grant programs
6. Nutrient Loading Impacts of Reclaimed Water
7. Project Performance Measurements and Cost-Effectiveness Results
8. Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
9. Super Clam Restoration and Aquaculture Stimulus Projects
10. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
11. Isotope studies