



Save Our Indian River Lagoon Project Plan June 2023 Progress Report

WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 378 of 641 detected private lateral leaks have been repaired; 57 grant applications received; 47 grant recipient sites have been repaired and processed for payment
- Septic Upgrades – 12 more reimbursements processed of 166 to date; 315 total agreements executed
- Quick Connects – 1 more reimbursement processed of 64 to date: 124 agreements executed. Over 100 applications were requested from homeowners in response to the most recent mailing
- University of Central Florida conducted deployment monitoring of adult and spat-on-shell oysters into gabions at McNabb Park.
- Riveredge Living Shoreline – growth in some of the *Spartina sp.* replanted after the 2022 hurricanes.
- Contract Amendments - Indian Harbour Beach Muck Dredging and Interstitial Treatment executed
- Purchase order executed for new videos with 142 Productions

WORK UNDERWAY THIS MONTH:

- Grants - Awarded an additional \$65,000 for one year of continued satellite analysis and weekly Harmful Algae Bloom Reports through the Florida Department of Environmental Protection; negotiating contracts with Florida Department of Environmental Protection for Willow Lakes and The Cove sewer connection projects
- 7 Derelict Vessels Removed
- In-Ground Nitrogen-Reducing Biofilter system – final report under review
- South Central C Septic-to-Sewer – 90% complete; lift station plumbing and electrical work underway
- Micco Sewer Line Extension – Boring gravity sewer under US 1 is complete
- Brevard County Septic-to-Sewer – 75% design review complete for North Merritt Island Zone E; 75% design in review for South Banana Zone B and Merritt Island Zones F; 75% design underway for Micco Zone B, Sykes Creek Zone R, Sykes Creek Zone M & T;
- Brevard County Stormwater – Design Task Orders out for signature for Basin 2258 South Babcock, Basin 1066 Angel Ave, Basin 2258 Ditch Outfall Denitrification, Basin 998 Hampton Homes, and Basin 1124 Elliot Drive Canal.
- Basin 1387 Kingsmill-Aurora Phase II – Change order out for signatures regarding further modeling
- Basin 1398 Sand Dollar Canal Harvesting – Coordinating with Public Works for harvesting
- Basin 41 Huntington – Kickoff meeting with consultant is scheduled for an updated project design
- Sykes Creek Phase 1 Muck Dredging – Removed a total of 63,438 cubic yards to date
- Grand Canal Muck Dredging - DMMA preparations underway. Dredge mobilization scheduled for the week of June 5th. Tentative dredging start date June 15th.
- Sykes Creek Phase 2 Muck Dredging – Request for Qualifications draft in review. Design plan 90% complete. Gopher tortoise survey conducted on May 22nd.
- Eau Gallie Muck Dredging –Engineering company for consulting services selected.
- Contract Amendments –Cocoa Beach McNabb Plants and Golf Muck Project, West Melbourne Ray Bullard Water Reclamation Facility Upgrade, and Satellite Beach Hedgecock/Grabowsky Septic to Sewer in review and Lori Laine out for signature
- Contracts – Melbourne’s Cherry Street Baffle Box, Spring Creek Baffle Box, and Spring Creek Dredging in review; Cocoa N Fiske Floating Wetlands out for signature



PRESENTATIONS THIS MONTH:

- May 24 – Stella Maris Jr. Aquanauts Summer Camp Lagoon Day - Matt
- June 1 – Florida Water Resources Conference - Anthony
- June 15 – Florida Tech Science, Technology, Engineering, and Math (STEM) Institute – Brandon
- June 19 – Stella Maris Eco-Camp Lagoon - Matt

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

- June 9– Ocean Research & Conservation Association [Lab Technique Training: Pipetting & Dilutions](#)
- June 15 - Ocean Research & Conservation Association [Introduction to Fish Monitoring & Processing](#)
- May 19 – Ocean Research & Conservation Association [Introduction of Citizen Science Projects](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

- [June 10 – Keep Brevard Beautiful Titusville Summer Series Litter Cleanup](#)
- [June 24 – Keep Brevard Beautiful Palm Bay Summer Series Litter Cleanup](#)
- June 15 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)
- [June 24 – Keep Brevard Beautiful Palm Bay Summer Series Litter Cleanup](#)
- July 7 – 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 2nd & 4th 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
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