



Save Our Indian River Lagoon Project Plan September 2023 Progress Report

WORK COMPLETED THIS MONTH:

- Satellite Beach Hedgecock/Grabowsky & DeSoto Fields Septic to Sewer project complete
- Leaky Lateral Repairs – 419 of 649 detected private sewer leaks have been repaired; 63 grant applications received; 51 payments processed
- Quick Connects –9 more reimbursements processed of 112 to date; 312 agreements executed. Over 250 sewer connection applications have been requested by homeowners since the most recent mailing
- Septic Upgrades –15 more reimbursement processed of 190 to date; 337 total agreements executed
- Sykes Creek Phase 1 Muck Dredging – Dredging complete for Phase 1; 76,497 cubic yards removed
- University of Central Florida conducted monitoring of oysters at McNabb Park. Three months after deployment, both size classes of oysters in gabions had grown larger. The population of adult oysters in gabions decreased by 33% while the spat population decreased by 12%. One month after deployment, the number of gardened oysters on prisms decreased from 195 to 101 per square meter.
- Videos: Don Deis' My Lagoon Story, Septic Maintenance PSAs
- \$100M Indian River Lagoon and other State Grant Programs – prepared and submitted 21 septic to sewer funding requests, 14 for muck removal, 4 for mobile home park conversion to sewer; 2 for package plant conversion to central sewer; funding for 200 homeowner quick connects to sewer, 100 homeowner septic upgrades, 2 innovative technologies, 1 water quality model and 1 resilience model

WORK UNDERWAY THIS MONTH:

- 2023 Audit – responses to all file requests and questions complete; Report expected in November
- 6 Derelict Vessels Removed
- South Central C Septic-to-Sewer – 92.8% complete; awaiting FPL power connection
- Micco Sewer Line Extension – 89% complete; lift station plumbing and electrical work underway; partial site restoration underway
- 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
- Basin 958 Pioneer Rd – Design for a retaining wall is underway
- Grand Canal Muck Dredging – Dredging underway; 277,728 cubic yards removed
- Sykes Creek Phase 2 Muck Dredging – Gopher tortoise relocation scheduled for this month
- Eau Gallie Muck Dredging – Task Order executed for engineering services; working on bid documents
- Canaveral South Muck Dredging – Preparing procurement documents for engineering services
- Oyster Bars - Brevard Zoo is constructing 4,700 square feet of oyster bars in the Northern Indian River
- TDC-funded Recreation and Manatee Field Guides – 70,000 brochures arrived; 33 sign panels ordered
- FDEP Innovative Technology Grant – AECOM's algae harvesting demonstration project is underway
- Videos underway: Bobby Putnam's My Lagoon Story, AECOM Algae Harvesting, and Septic to Sewer Quick Connects



PRESENTATIONS THIS MONTH:

September 7 – Suntree Country Club Environmental Committee

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

September 12 – Ocean Research & Conservation Association [Lab Technique Training: Pipetting 101](#)

September 13 – AECOM Demonstration of Harvesting Algae from the Indian River Lagoon

September 21 – Ocean Research & Conservation Association [Introduction of Citizen Science Projects](#)

September 21 – Community Advocacy for Merritt Island – [Bringing Back Our Blue Lagoon](#)

October 19-20 – Marine Resources Council [Low Impact Development Conference](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

September 9- Brevard Zoo's Restore Our Shores [Oyster Bar Supply Making](#)

September 12 – Ocean Research & Conservation Association [Particle Analysis - Email Veronica To Register](#)

September 11- Brevard Zoo's Restore Our Shores [Reef Building](#)

September 13- Brevard Zoo's Restore Our Shores [Reef Building](#)

September 14 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)

September 16 – Marine Resources Council [International Coastal Cleanup](#)

September 16 – City of Melbourne [International Coastal Cleanup](#)

September 21 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)

September 27 – Ocean Research & Conservation Association [Native Plant Nursery - Email Wyatt To Register](#)

October 6 – Marine Resources Council [First Friday Litter Patrol](#)

Space Coast Surfrider Foundation Blue Water Task Force Monitoring – [Email Chis Baker 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 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. 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