

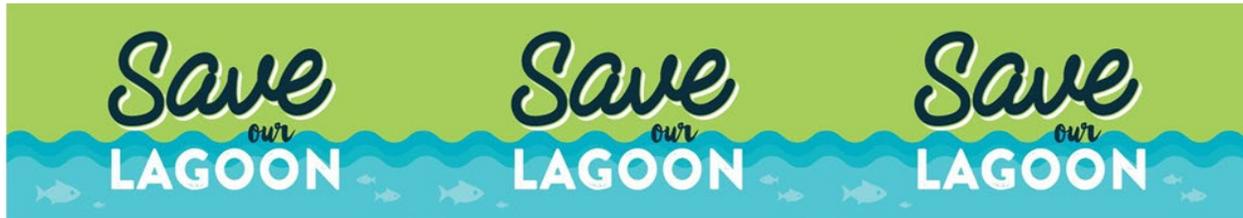
## Save Our Indian River Lagoon Project Plan July 2023 Progress Report

### WORK COMPLETED THIS MONTH:

- Leaky Lateral Repairs – 431 of 646 detected private sewer leaks have been repaired; 58 grant applications received; 48 payments processed; over 300 more notification letters mailed this month
- Septic Upgrades – 12 more reimbursements processed of 174 to date; 315 total agreements executed
- Quick Connects – 10 more reimbursement processed of 74 to date; 260 agreements in process. Over 175 applications were requested from homeowners in response to the most recent mailing
- University of Central Florida conducted deployment monitoring of adult oysters onto prisms and 1-month monitoring for oyster gabions at McNabb Park. The majority of the oysters in both size-class treatments for gabions are surviving and have grown since deployment
- Contracts executed – Melbourne Cherry St Baffle Box, Cocoa N Fiske Floating Wetlands, and Titusville Commons & City Hall Tree Boxes
- Contract Amended - Satellite Beach Hedgecock/Grabowsky Septic to Sewer and Lori Laine Stormwater
- TDC funded Recreation and Manatee Field Guides published and distributed

### WORK UNDERWAY THIS MONTH:

- Meetings with state regarding new legislation & roll-out of the Indian River Lagoon Protection Program
- 5 Derelict Vessels Removed
- In-Ground Nitrogen-Reducing Biofilter system – final report revisions requested.
- South Central C Septic-to-Sewer – 91.8% complete; lift station plumbing and electrical work underway
- Micco Sewer Line Extension – Installing laterals for gravity sewer connections
- Brevard County Septic-to-Sewer – 90% design underway for South Banana Zone B and Merritt Island Zones F; 75% design review complete for North Merritt Island Zone E; 75% design underway for Micco Zone B, Sykes Creek Zone R, Sykes Creek Zone M & T
- Melbourne High School/Funeral Home Baffle Box – construction started
- Basin 1398 Sand Dollar Canal Harvesting – Harvesting is underway
- Grand Canal Muck Dredging – Dredging underway; removed approximately 269,893 cubic yards to date
- Sykes Creek Phase 1 Muck Dredging – Dredging underway; removed 68,994 cubic yards to date
- Sykes Creek Phase 2 Muck Dredging – RFQ for engineering consulting services closes this month; Gopher tortoise relocation is contracted
- Eau Gallie Muck Dredging – Kick off meeting with consultant scheduled to discuss project task orders.
- Canaveral South Muck Dredging – Sediment sampling report received.
- Brevard Zoo is building oyster bars and deploying gardened oysters in the North Indian River Lagoon
- Videos filmed: Grand Canal Dredging, Interstitial Water Treatment, and Muckrete (partial filming)
- Videos underway: My Lagoon Story: Barbara Wall-Scanlon, Bobby Putnam, Curt Smith, and Don Deis
- Septic Maintenance commercials content finalized and being filmed
- Contracts – Titusville Riverfront Nutrient Removing Filtration Boxes, Melbourne's Spring Creek Baffle Box, and Spring Creek Dredging out for signature
- Contract Amendments – Cocoa Beach Golf Muck Project out for signature, West Melbourne Ray Bullard Water Reclamation Facility Upgrade and Melbourne Grant Street Water Reclamation Facility Upgrade to County Commission on 7/25



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

June 1 – Florida Water Resources Conference - Anthony  
June 30 – Sounds of the Lagoon – Aleah and Abbey

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

July 25– Ocean Research & Conservation Association [Lab Technique Training: Pipetting & Dilutions](#)  
July 26 - Ocean Research & Conservation Association [Introduction to Fish Monitoring & Processing](#)  
July 26 – Ocean Research & Conservation Association [Introduction of Citizen Science Projects](#)  
July 27 – Ocean Research & Conservation Association [Lab Technique Training: Particle Analysis](#)  
July 31 – Ocean Research & Conservation Association [Pollution Mapping Refresher](#)

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

July 20 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)  
July 22 – Keep Brevard Beautiful [Merritt Island Summer Series Litter Cleanup](#)  
July 28 – Ocean Research & Conservation Association [Fish Processing - Email Missy Weiss To Register](#)  
August 4 – 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 2<sup>nd</sup> & 4<sup>th</sup> 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. Seagrass Sightings in the Lagoon
2. Horseshoe Crab Spawning in the Lagoon
3. Lagoon Project Feasibility Study Update by St Johns River Water Management District
4. Regional Wastewater Treatment Feasibility Study by the Economic Development Commission
5. Surface Water Remediation Technologies
6. Turf grass options and alternatives
7. Lagoon Projects - managed and funded by other agencies, entities, or grant programs
8. Nutrient Loading Impacts of Reclaimed Water
9. Project Performance Measurements and Cost-Effectiveness Results
10. Inground Nitrogen Reducing Bioreactor Septic Drain Field Pilot Project Findings
11. Super Clam Restoration and Aquaculture Stimulus Projects
12. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
13. Lagoon Fish and Fisheries Research
14. Low Impact Development/Green Infrastructure/Resilience: Local examples and potential opportunities
15. Microplastics – University of Central Florida research
16. Isotope studies