



## Save Our Indian River Lagoon Project Plan May 2022 Progress Report

### WORK COMPLETED THIS MONTH:

- 2020 Audit was presented by the Auditors to the Brevard County Audit Committee on April 20<sup>th</sup>
- Palm Bay Water Reclamation Facility – seeded and online; nutrient reductions expected in early June
- 7 Septic Upgrade reimbursements processed for a total of 69 completed to date; mailed 5,200 postcards to priority sites; received ~260 phone calls and emails and distributed ~150 applications
- 39 Quick Connect reimbursements processed to date; mailed 930 postcards to highest priority sites
- Final sampling occurred on the pilot In-Ground Nitrogen Reducing Bioreactor Septic Drainfields
- Basin 26 Sunset Road Serenity Park Stormwater Treatment –completed
- Basin 62 Denitrification Retrofit of Johns Road Pond – completed
- Horseshoe Pond Vegetation Harvesting – completed
- Cocoa Beach Phase IIb Muck Dredging – completed
- Sykes Creek Phase 1 Muck Dredging – Pre-construction meeting held
- Riveredge Planted Shoreline – 250 linear feet completed
- University of Central Florida oyster monitoring documented sedimentation and burial at Coconut Point, growth and recruitment at Hog Point, and a sustaining oyster population at Maritime Hammock
- Derelict Vessels Removed this month – 2
- Video Completed – Eric Mannes’ My Lagoon Story
- Budget request prepared for fiscal year 2022-2023

### WORK UNDERWAY THIS MONTH:

- South Central C Septic-to-Sewer – construction started in the central subdivision
- Smoke Testing on the Barrier Island underway
- Micco Septic-to-Sewer – Pre-construction meeting was held with the contractor on May 5<sup>th</sup>
- South Beaches O Septic-to-Sewer – Project bid closed May 3<sup>rd</sup>; will request lower cost from lone bidder
- Survey underway for 10 Brevard County septic-to-sewer projects
- Basin 79/Scottsmoor C & Basin 89/Scottsmoor I Stormwater Treatments – Low bid is within budget
- Johnson Junior High Modification – Awaiting construction cost estimate from Public Works
- Basin 1066 Angel Ave –Task Order scope changing to include public works drainage improvements
- Kingsmill-Aurora Phase II – Awaiting concept plans
- Basin 998 Richland Canal – Design task order is ready for signatures
- Grand Canal Muck Dredging – Removed a total of 167,000 cubic yards to date
- Eau Gallie Northeast Muck Dredging – Bid document preparation underway
- Pineda Banana River Lagoon Muck Dredging – Proposal for initial data collection under review
- Patrick Space Force Base Muck Dredging – Proposal for initial data collection under review
- Aquaculture Stimulus Program – 1 new applicant approved for grant to plant 500,000 seed clams
- Grant-funded Remote Algae Bloom Sensing study – Drone is collecting hyperspectral data; chlorophyll hotspots are being compared to potential nutrient source locations and seagrass signatures
- Video progress – Filming complete for Derelict Vessel Removal; Clam restoration filming in June



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

April 22 – [Indian River Lagoon Symposium](#) - Virginia

April 26<sup>th</sup> – Florida Water Resources Conference on Septic Upgrades and Septic to Sewer - Virginia

May 2 – Catalina Isles & Skylark Estates HOA - Anthony

May 3 & 17 – City of Cocoa Sewer Project Presentation – Anthony

May 13 – Environmental & Water Resources Institute of the American Society of Civil Engineers - Virginia

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

May 5 – Indian River Lagoon National Estuary Program – Citizens’ Advisory Committee Meeting

May 10 – Team ORCA – Citizen Science Data Jam Showcase

May 10 – Indian River Lagoon National Estuary Program – Finance Subcommittee, Management Board, and Science, Technology, Engineering, and Modeling Advisory Committee Meetings

May 13 - Indian River Lagoon National Estuary Program Council Board of Directors Meeting

May 18 – [State Stormwater Draft Rule Revision Workshop](#)

June 23 – Brevard Indian River Lagoon Coalition – Lagoon Straight Talk

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

May 7 – Keep Brevard Beautiful – [Minuteman Causeway Cleanup](#)

May 14 – Brevard Zoo Restore Our Shores [Oyster Supply Making](#)

May 17 – Team ORCA – Fish Processing, email [Bridget](#) to register

May 18 & 25 – Team ORCA – Fish Extractions, email [Missy Weiss](#) to register

May 21 – Brevard Zoo Restore Our Shores [River Clean-Up & Mangrove Adoption Day](#)

May 24 & 31 – Team ORCA – Pollution Mapping Particle Analysis, email [Missy Weiss](#) to register

May 25 – Team ORCA – Fish Processing, email [Missy Weiss](#) to register

May 25 – Brevard Zoo Restore Our Shores – [Oyster Gardening Training](#)

June 11 – Keep Brevard Beautiful [Summer Series Cleanup: Kiwanis Island](#)

June 25 – Keep Brevard Beautiful [Summer Series Cleanup: Titusville Spoil Islands](#)

Brevard Zoo Restore Our Shores [Clam Restoration Project seeking volunteers](#)

Marine Resources Council Super Clam monitoring seeking volunteers – [Email Caity Savoia to register](#)

Rotary Park rain garden maintenance – [Email Carlos Cuevas for opportunities](#)

Storm drain marking in Cocoa – [Email Carlos Cuevas for opportunities](#)

Storm drain marking in Melbourne – [Email Bri Forte for opportunities](#)

#### **WEBSITE AND SOCIAL MEDIA LINKS:**

[Lagoon Loyal Outreach and 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](#)

#### **FUTURE TOPICS FOR SPECIAL PRESENTATIONS:**

1. Low Impact Development/Resilience – Local examples, efforts, and potential opportunities
2. Stormwater Treatment Purpose, Design, and Performance
3. BioActivated Media Performance and Maintenance Requirements
4. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities