



Save Our Indian River Lagoon Project Plan September 2022 Progress Report

WORK COMPLETED THIS MONTH:

- Septic Upgrades – 3 more reimbursements processed for a total of 86 completed to date; 218 homeowner cost-share agreements executed
- Brevard Zoo constructed 2,240 square feet of oyster bars in the Central Indian River Lagoon
- University of Central Florida completed the 24-month monitoring of the MacNeill-Pitner oyster bar and found an average of 45 oysters per bag. Bridging indicates development of a three-dimensional reef.
- Riveredge Shoreline Planting – At three months post-deployment, red mangrove survival in mangrove anchors is 57% with growth of surviving trees. Spartina and muhly survival was about 66-75%.
- Derelict Vessels removed this month – 2
- Contracts Executed - Rockledge Equalization Basin Project, Satellite Beach Lori Laine Project, and Cocoa Beach Maritime Hammock Vegetation Harvesting and Muck Dredging Phase IIb Amendment
- Video Completed – Smoke Testing

WORK UNDERWAY THIS MONTH:

- 2023 Application Portal - Open August 1 to September 30
- Smoke Testing complete - Homeowner grant requests arriving in response to code enforcement letters
- South Central C Septic-to-Sewer – Construction 58% complete; 140 of 147 homeowner connection grants contracted. Construction started on north subdivision.
- Micco Septic-to-Sewer – Finalizing shop drawings before breaking ground
- Sykes Creek N Septic-to-Sewer – Incorporating Right-of-Way permit comments in engineering plans
- Sykes Creek M & T Septic-to-Sewer – Re-design commencing
- Brevard County Septic-to-Sewer - Survey, design, and engineering continue for 13 projects; finalizing site selection for Land Acquisition
- Plumbing Services - Request for Qualifications approved by Risk, Legal, and Purchasing
- Basin 79/Scottsmoor C & Basin 89/Scottsmoor I Stormwater Treatments – Land clearing and mobilization completed, adding a stabilized roadway for maintenance purposes
- Basin 958 Pioneer Rd – Updating plans to add erosion protection, working on Army Corps permitting
- Basin 1066 Angel Ave – Updated task order under review
- Basin 1398 Sand Dollar – Task order received and under review
- Basin 1387 Kingsmill-Aurora Phase II – Preliminary layout has been prepared for the multi-pond treatment train along with cross-sections
- Basin 1280B Flamingo Denitrification and Basin 1304B W Arlington Denitrification – 60% plans have been reviewed and comments submitted, 90% plans are currently underway
- Grand Canal Muck Dredging – Removed a total of 231,000 cubic yards to date
- Sykes Creek Muck Dredging – Removed a total of 4,400 cubic yards to date
- Canaveral South Muck Dredging – Draft scope for vibracore sampling received. Task order in progress.
- Video progress – Melbourne Tillman Canal Vegetation Harvesting filmed and awaiting editing
- Contracts: Satellite Beach Hedgecock/Grabowsky Fields, Melbourne Kent/Villa Espana, and Melbourne South-Central F Septic to Sewer contracts in draft
- Providing documents, as requested, for the 2022 Audit



PRESENTATIONS THIS MONTH:

September 19 – South Beaches A Sewer Project Community Meeting – Anthony

September 20 – Cocoa Library - Terri

September 24 – Rotary Park Back to Nature - Terri

October 29 – Merritt Island Wildlife Association - Terri

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

September 7 – Ocean Research and Conservation Association – [Lab Technique Training: Particle Analysis](#)

September 8 – Ocean Research and Conservation Association – [Introduction to One Health Fish Monitoring](#)

September 13 – Ocean Research and Conservation Association – [Introduction to Citizen Science Projects](#)

September 22 – Ocean Research and Conservation Association – [Lab Technique Training: Pipetting & Dilutions](#)

September 27 – Ocean Research and Conservation Association – [Land to Sea Laboratory Techniques](#)

October 6 – Ocean Research and Conservation Association – [A Day in the Life of the Indian River Lagoon](#)

October 20-21 – Marine Resources Council – [Low Impact Development Conference](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

September 8 – Ocean Research and Conservation Association – Fish Processing, [email Bridget](#) to register

September 15 – Ocean Research and Conservation Association – [One Health Fish Monitoring Survey Training](#)

September 16 – Ocean Research and Conservation Association – Fish Extractions, [email Bridget](#) to register

September 17 – International Coastal Cleanup – [Marine Resources Council](#), [Keep Brevard Beautiful](#), and [City of Melbourne](#)

September 20 – Ocean Research and Conservation Association – Fish Processing, [email Bridget](#) to register

October 1 – Marine Resources Council – [Mangrove Workshop](#)

October 1 – Keep Brevard Beautiful – [Battle of the Causeways Clean-up](#)

Marine Resources Council super clam monitoring, storm drain marking in Melbourne, and Concrete Creations Program seeking volunteers – [Email Caity Savoia to register](#)

Rotary Park rain garden maintenance or storm drain marking in Cocoa – [Email Carlos Cuevas 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. At Risk Vessel Removal Program
2. Project Performance Measurements and Cost-Effectiveness Results
3. Shoreline Armor and Living Shoreline Permitting Authorities, Rules, and Opportunities
4. Surface Water Remediation Technologies
5. Nutrient Loading Impacts of Reclaimed Water
6. Lagoon Projects - managed and funded by other agencies, entities or grant programs
7. Indian River Lagoon Research News: Conference, Symposium or Assembly Highlights
8. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
9. Clam Restoration and Aquaculture Stimulus Projects