



Save Our Indian River Lagoon Project Plan April 2022 Progress Report

WORK COMPLETED THIS MONTH:

- Legislative Appropriation Support Letter submitted to Governor DeSantis
- Awarded an Innovative Technology Grant to Pilot Test Algae Harvesting in the Indian River Lagoon
- South Central C Septic-to-Sewer – sewer pipe installation completed for the southern subdivision
- 2 Septic Upgrades reimbursements processed for a total of 62 completed to date; post cards mailed to 1500 highest priority sites; 4500 additional postcard mailers scheduled
- 2 Quick Connect reimbursements processed for a total of 39 completed to date; post cards mailed to 930 highest priority sites
- Brevard Zoo completed installation of first oyster corral design at Ryckman Park, Melbourne Beach
- Living Shoreline Performance - University of Central Florida 12-month monitoring at the Wexford oyster bar observed approximately three times more oysters than at the previous monitoring, with more oysters, bridges, and larger oysters found in gabions.
- Remote Sensing of Harmful Algae Blooms – Weekly reports were received and shared
- Derelict Vessels Removed this month – 1
- Video Completed – Sunnyland Beach Homeowners Association Environmental Festival
- 2022 Plan Update Projects added to the County Budget in the Mid-Year Adjustment

WORK UNDERWAY THIS MONTH:

- 2020 Audit to be presented by the Auditors to the Brevard County Audit Committee April 20th
- Micco Septic-to-Sewer – Review of contractor's shop drawings and prep for pre-construction meeting
- South Beaches P Septic-to-Sewer – County Right-of-Way permitting in progress
- South Beaches O Septic-to-Sewer project bid advertised March 24
- Smoke Testing on the Barrier Island is contracted and scheduled to begin May 2nd
- Sunset Ave/Serenity Park/Basin 26 Stormwater Treatment – Awaiting final acceptance walkthrough
- Basin 79 Scotts Moor C & Basin 89 Scotts Moor I Stormwater Treatments - Bid posted, due April 14th
- Basin 958 Pioneer Road – Plans are under review
- Kingsmill-Aurora Phase II – Design/modeling underway
- Basin 998 Richland Canal – Pre-scoping meeting scheduled
- Johnson Junior High Modification – Designs Complete; construction cost estimating underway
- Sykes Creek Phase 1 Muck Dredging – Pre-construction submittal reviews are underway
- Grand Canal Muck Dredging –Dredging resumed on March 21st
- Grant-funded Remote Algae Bloom Sensing study – High frequency bloom areas are being compared to stormwater outfall, septic community, muck deposit and seagrass locations. Drone flights underway.
- Video progress – Task orders executed for Derelict Vessel Removal, Clam Restoration, and Eric Mannes' My Lagoon Story
- Contracts in draft – Titusville Sand Point Park Baffle Box, Brevard Zoo Restore Our Shores: Community Collaboration, Rockledge Equalization Basin, and West Melbourne's Lake Ashley Circle and Dundee Circle/Manor Place Septic to Sewer
- Contract Amendments in draft – M-1 Canal Flow Restoration and Oak Point Package Plant



PRESENTATIONS THIS MONTH:

March 23 – Palm Bay Sustainability Board – Brandon
April 5, America’s Boating Club - Brandon
April 9 – Sunnyland Beach Environmental Festival – Matt
April 9 – Viera Nature Festival – Brandon
April 14th – Town of Melbourne Beach: Environmental Leadership Summit - Virginia
April 26th – Florida Water Resources Conference on Septic Upgrades and Septic to Sewer - Virginia
April 27 – Center for Watershed Protection Conference - Terri

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

April 9 – Boater’s Exchange [Spring Boating and Fishing Expo](#)
April 20 – Ocean Research & Conservation Association [Introduction to Citizen Science Projects](#)
April 21 & 22 – [Indian River Lagoon Symposium](#)
April 29 – Ocean Research & Conservation Association [Pollution Mapping Reporting](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

April 16 & 20 – Brevard Zoo Restore Our Shores [Oyster Supply Making](#)
April 9th – Space Coast Surfrider [Thousand Islands Trash Bash](#)
April 12 – Ocean Research & Conservation Association [One Health Fish Monitoring Project Intro & Processing](#)
April 29 – Brevard Zoo Restore Our Shores [Mangrove Adoption Day](#)
April 30 – Keep Brevard Beautiful [Banana River Park Cleanup](#)
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. 2020 Audit of the Save Our Indian River Lagoon Program
2. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation
3. Low Impact Development/Resilience – Local examples, efforts and potential opportunities
4. Stormwater Treatment Purpose, Design and Performance
5. BioActivated Media Performance and Maintenance Requirements
6. Shoreline Armor and Living Shoreline Permitting Authorities, Rules and Opportunities
7. Surface Water Remediation Technologies
8. Nutrient Loading Impacts of Reclaimed Water
9. Project Performance Measurement Results