



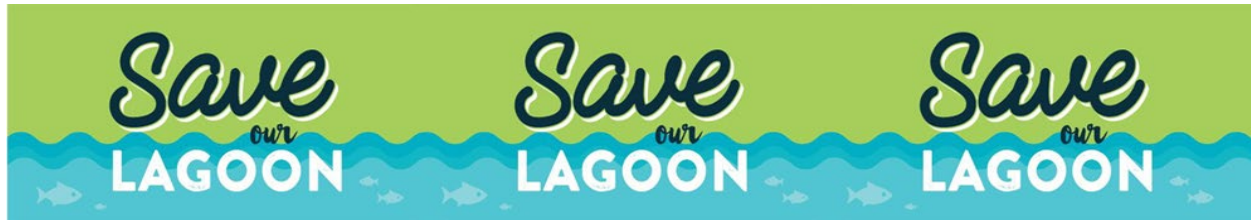
Save Our Indian River Lagoon Project Plan December 2021 Progress Report

WORK COMPLETED THIS MONTH:

- 2022 Plan Update drafted to include new projects recommended for funding on November 19th
- 3 Septic Upgrades reimbursements processed for a total of 49 completed to date
- 1 Private Sewer Lateral Replacement reimbursement processed in Satellite Beach
- Grand Canal Muck Dredging – Dredging is shut-down for the manatee closure period; Approximately 170,000 cubic yards of muck dredged through November
- Brevard Restore Our Shores program has completed the installation of 100 clam beds
- Living Shoreline Performance - University of Central Florida monitored the Hog Point and Coconut Point oyster bars with average densities of 30 and 1.5 oysters per monitored bag, respectively. Both reflected decreased density from previous monitoring and evidence of dynamic sediment transport
- Derelict Vessels – 2 removed
- Contracts – Cocoa Beach McNabb Oysters and McNabb Plants Projects executed
- Amendments – time extension amendment executed for Oak Point Package Plant Connection

WORK UNDERWAY THIS MONTH:

- Grants – Brevard County was awarded 14 of the state's 92 wastewater grants for fiscal year 21-22
- Brevard County Smoke Testing – Pre-Construction meeting with contractor on January 5
- South Central C Septic-to-Sewer – preparing to break ground in January
- Micco Septic-to-Sewer – Bid opening is scheduled for 12/21
- Sykes Creek T Septic-to-Sewer – Environmental Site Assessment complete; scheduling land closing
- Sykes Creek M Septic-to-Sewer – Environmental Site Assessment and land survey underway
- Sykes Creek N Septic-to-Sewer – 75% design review complete; plans being revised for permitting
- South Beaches P Septic-to-Sewer – Preliminary design to be complete in approximately 60 days
- Sunset Road/Serenity Park/Basin 26 and Johns Rd/Basin 62 – Construction has begun
- Kingsmill Phase II – Design with new consultant has begun
- Basin 2420 Ruby St Stormwater Improvements – Task Order has been signed and design is underway
- Basin 998 – Design task order is being circulated for signatures
- Basin 2258 – Easements have been acquired; negotiating potential for design-build contracting
- Grand Canal Muck Dredging – Approximately 160,000 cubic yards of muck dredged through October
- Sykes Creek Phase I Muck Dredging – Contract negotiations with dredge contractor underway
- Eau Gallie Northeast Muck Dredging – Awaiting permit modification for dredge pipeline to cross the Intercoastal Waterway; bid documents under review
- Shellfish Aquaculture Grant Program - Three applications processed – 3 million clam seed to be planted
- Contracts in draft - Grant Place Baffle Box and Melbourne Tillman Water Control District Vegetation Harvesting
- Contract Amendments in draft – Melbourne Pennwood Septic to Sewer, Cocoa Beach Phase IIB Muck Dredging, Ray Bullard Water Reclamation Facility Upgrade, and Ray Bullard Stormwater project
- Videos Underway - Grand Canal Muck Dredging and Interstitial Water Treatment filming extended for manatee closure. Contracting South Central C Sewer, and Stormwater Treatment for Basins 26 & 62
- Kick-off meeting held for the grant-funded Remote Algae Bloom Sensing study



PRESENTATIONS THIS MONTH:

January 10 or 12 – Eastern Florida State College Lambda Chi Volunteer Event – Brandon

January 26 – Palm Bay Sustainability Board - Brandon

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

December 16 – [Marine Resources Council Virtual Field Trip: Baffling Baffle Boxes](#)

February 17 & 18 – Indian River Lagoon Symposium

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

December 16 – Ocean Research & Conservation Association Fish Processing & Extractions - [Email Hannah Atsma for information](#)

December 18 – Marine Resources Council Mangrove Workshop – [Email Caity Sovaia to register](#)

January 29 – [Brevard Zoo Restore Our Shores Supply Making](#)

February 4 – [Brevard Zoo Restore Our Shores Supply Making](#)

February 12 – [Brevard Zoo Restore Our Shores Supply Making](#)

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

Marine Resources Council Super Clam monitoring seeking volunteers – [Email Caity Sovaia 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. Florida Geology and Groundwater Vulnerability – United States Geological Service
2. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation
3. Low Impact Development/Resilience – Local examples, efforts and potential opportunities
4. Surface Water Remediation – Ferrate, S.W.I.G., D.T.G., Chemical Tech, HABITATS
5. Lagoon projects managed and funded by other agencies, entities or grant programs
6. Indian River Lagoon Research News: TechCon, Shore, and Harbor Branch Symposium Highlights
7. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
8. Completed and Ongoing Lagoon Research – Florida Tech Research Initiative
9. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
10. Nutrient Loading Impacts of Reclaimed Water
11. Project Performance Measurement Results
12. Microplastics in the Lagoon
13. Herbicide Alternatives
14. Clam Restoration and Aquaculture Stimulus Projects
15. Zoo Conservation and Aquarium