



Save Our Indian River Lagoon Project Plan December 2019 Progress Report

WORK COMPLETED THIS MONTH:

- Board of County Commissioners appointed Jay Moynahan to the Real Estate Member seat
- 61 new project applications were submitted to the Citizen Oversight Committee for funding recommendations - 2 Wastewater Treatment Facility Upgrades, 26 Septic Removals, 5 Sewer Lateral Rehabs, 13 Stormwater, 1 Muck Removal, 1 Interstitial Water Treatment, 5 Oyster Reefs, 6 Living Shorelines, and 2 Vegetative Harvesting Project. These projects total \$176 Million with \$119 Million of potential Lagoon Trust Fund Eligibility.
- Cone Road Septic-to-Sewer –State approved the County’s new lines. Letters were sent to the property owners notifying them of the 365-day deadline for abandoning their septic and connecting to sewer.
- Titusville Coleman Pond Managed Aquatic Plant Systems – installation complete
- Titusville South Street, St Teresa, and La Paloma Baffle Boxes – installation complete
- Grand Canal Muck Dredging – dredging paused for manatee closure period, continuing to collect dredge waivers from homeowners, and seeking permission to add the Berkeley Canal to the permit
- Cocoa Beach Muck Dredging – Phase IIb Dredged Material Management Area is complete
- University of Central Florida researchers conducted monitoring at 2 oyster sites
- Derelict Vessels – 5 additional derelict vessels removed
- Sykes Creek Zones N Septic-to-Sewer – 2nd iteration of Right of Way permit comments sent to engineer
- Merritt Island Muck Dredging – state and federal permits issued
- “Tell Us What You Think” survey closed on December 2nd. Data analyzed for December 13th meeting
- Video production bid for 3 years with 2 renewal options was advertised and opened December 2nd

WORK UNDERWAY THIS MONTH:

- Revisiting fertilizer retail facilities to check compliance with signage ordinance
- Palm Bay North Region Water Reclamation Facility - design and permitting complete, bid is posted
- Beaches Leaking Sewer Laterals – 15 repairs complete; ordinance tabled that might mandate repairs
- South Central C Septic-to-Sewer – awaiting 90% design and sketch and descriptions for land acquisition
- Sykes Creek Zone M and T- reviewing 30% design, discussing powerline & pole relocates with FPL
- Titusville Septic to Sewer - contract out for signatures
- West Melbourne Sylvan Estates Septic to Sewer - construction has started
- Micco Sewer Service Extension – grant scope and responses to agency permit questions underway
- Johns Road and Flounder Creek - permitting underway; bid documents being prepared
- Basin 1409 and 1349 – permitting and easement acquisition underway
- Cocoa Beach Muck Dredging - Phase III is ~96% complete
- Sykes Creek Muck Dredging – Phase I bid being finalized by Purchasing
- Titusville Railroad Bridge East and West –Bathymetric and muck survey data being evaluated
- NASA Causeway East–Bathymetric and muck survey data being evaluated
- Mathers Bridge Area Muck Removal – Additional Survey data being collected
- Story Map – working on a new layer to show reclaimed water areas and their nutrient content
- Brevard Zoo CIRL Oyster Project – design completion; permitting and material preparation underway



PRESENTATIONS THIS MONTH:

November 7 – Florida’s Surface Water Quality Standards Public Workshop – Virginia
November 9 – Indian River Lagoon Day – Brandon & Terri
November 12 – Oyster Restoration Permit Coordination Meeting – Virginia & Jenny
November 20 – Florida Oceans Alliance Workshop – Virginia & Dr. Windsor
November 23 – FAU Harbor Branch Lagoon Tour at Barrier Island Center – Brandon
November 25 – Indian River Lagoon Research Institute Quarterly Lagoon Research Workshop - staff
December 3 - Lagoon and Lagers, Intercoastal Brewing Company – Brandon & Terri

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

2/13-14, Indian River Lagoon Symposium <http://www.indianriverlagoon.org/symposium.html>
12/14, Satellite Beach Composting Workshop <https://www.facebook.com/GoGreenSB>

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo – Oyster Reef Monitoring, 12/7 - <https://restoreourshores.org/volunteer-we-need-you/>
Keep Brevard Beautiful – Plastic Brigade Cleanup, 12/9 - <https://plasticbrigade.com/>
Lagoon Friendly Lawns – contact Kaylyn Palmer of Keep Brevard Beautiful at 321-631-0501
Fish Kill Response Cleanup: contact Desiree Lesko of Keep Brevard Beautiful at 321-631-0501
Marine Resources Council – Brown Bag Lunch: North Atlantic Right Whale Update, 12/3
Lagoon Watch, Mangrove, or Lagoon Literacy - <https://savetheirl.org/volunteer/>

WEBSITE AND SOCIAL MEDIA LINKS:

Outreach and Engagement Landing Page: <https://lagoonloyal.com/>
Website: <http://www.brevardfl.gov/SaveOurLagoon>
Facebook: <https://www.facebook.com/BrevardCountySaveOurLagoon>;
Instagram: <https://www.instagram.com/saveourlagoon/>
YouTube: <https://goo.gl/GBh6xU>

FUTURE TOPICS FOR SPECIAL PRESENTATIONS:

1. A Day in the Life of the Indian River Lagoon – Missy Weiss
2. Water Less with St Johns River Water Management District – Dr. Jennifer Mitchell
3. Tourism + Lagoon grant projects – Using Super Clams for Restocking Efforts
4. Ongoing Research on Charismatic Critters of the Lagoon – Hubbs SeaWorld Research Institute
5. New Enhanced Ocean Inflow Research – Florida Tech Research Initiative
6. Enhanced Lagoon Circulation Environmental Response Model – St Johns River Water Management District
7. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
8. Completed and Ongoing Muck Research – Florida Tech Research Initiative & Dr. Drew Palmer
9. Coordinating Spoil Management with Florida Inland Navigation District
10. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
11. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
12. Surface Water Remediation – AquaFiber, D.T.G., Aqualutions, Chemical Tech, Phosphorus Free
13. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation- Gybe
14. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
15. Low Impact Development – Local examples
16. Project Monitoring Results
17. Package Plants