



Save Our Indian River Lagoon Project Plan February 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Draft Save Our Indian River Lagoon Project Plan 2020 Update posted for 15-day public review
- Sykes Creek N Septic-to-Sewer – Bid documents submitted to Purchasing; to be advertised this month
- Micco Sewer Service Extension – FDOT utility permit issued, awaiting County right-of-way permit
- Ten county stormwater basin treatment projects were bid and will be awarded to 2 contractors
- Grand Canal Muck Removal Project – hauling and disposal of dredged material from first round of dredging complete, DMMA preparation for March restart underway
- Derelict Vessels – 4 additional derelict vessels removed
- Titusville Zones A-G Septic to Sewer contract executed
- Titusville South St complete and final reimbursement submitted
- Titusville St. Teresa complete and final reimbursement submitted
- Titusville La Paloma complete and final reimbursement submitted
- Video Production Contract Executed – 3 projects scheduled to be filmed
- Brevard Zoo completed a private training session for oyster gardeners and five outreach presentations, monitored two oyster bar projects, and aided in monitoring an addition three oyster bar projects
- Permits obtained for Coconut Point EELS Living Shore Oyster Bar
- UCF monitoring report compared projects in space and time noticing evidence of better growth of gardeners oysters, better recruitment, and increased population size
- Story Map – working on a new layer to show reclaimed water areas and their nutrient content

WORK UNDERWAY THIS MONTH:

- Palm Bay North Region Water Reclamation Facility - design and permitting complete, bid is posted
- Beaches Leaking Sewer Laterals – 21 repairs complete; ordinance tabled that might mandate repairs
- Cone Road Septic-to-Sewer –3 properties connected
- South Central C Septic-to-Sewer – submitted for Right of Way permit
- Sykes Creek Zone M and T- discussing utility relocation with FPL; reviewing construction alternatives
- West Melbourne Sylvan Estates Septic to Sewer - construction has started
- Micco Sewer Service Extension – responses to agency permit questions underway
- Johns Road and Flounder Creek - bids received, contracting for construction
- Kingsmill-Aurora Phase II – design underway
- Year 3 Stormwater Basins - surveys are being scheduled to determine any land acquisition needs
- Grand Canal Muck Dredging –hauling dredged material during manatee closure, continuing to collect dredge waivers from homeowners, and seeking permission to add the Berkeley Canal to the permit
- Merritt Island Muck Dredging – All permits in place. Spoil site development underway
- Cocoa Beach Golf – contract in draft
- Merritt Island Muck Dredging – all permits in place. Spoil site design underway
- Rockledge B – consultant preparation of proposal for data collection underway
- Titusville Railroad Bridge East and West – consultant finalizing bathymetric and muck survey
- NASA Causeway East– consultant finalizing deliverable for bathymetric and muck survey
- University of Central Florida researchers observed large recruitment and bridging at 1 site
- Palm Bay withdrew Turkey Creek Living Shoreline Oyster and Plants Project



PRESENTATIONS THIS MONTH:

January 22 – Lagoon Straight Talk – Virginia & Brandon
March 21 – Florida Master Naturalist Program – Brandon
March 21 – Promise in Brevard Health Fair – Terri

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

2/13-14, Indian River Lagoon Symposium <http://www.indianriverlagoon.org/symposium.html>
3/3, Marine Resources Council Brown Bag Lunch
3/21-5/9 Florida Master Naturalist Program – Coastal Module <https://conference.ifas.ufl.edu/fmnp/>

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Keep Brevard Beautiful
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 – 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. Ecological modeling of 528 and 520 Banana River Causeway Reductions – Dr. Sherry Brant-Williams
3. Wastewater Utility Asset Management Planning – Todd Swingle
4. Tourism + Lagoon grant projects – Using Super Clams for Restocking Efforts
5. Ongoing Research on Charismatic Critters of the Lagoon – Hubbs SeaWorld Research Institute
6. New Enhanced Ocean Inflow Research – Florida Tech Research Initiative
7. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
8. Completed and Ongoing Muck Research – Florida Tech Research Initiative
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
18. Lagoon projects managed and funded by other entities