



Save Our Indian River Lagoon Project Plan April 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Identified options for allocating the remaining \$6M of anticipated Trust Fund revenue
- Sykes Creek N Septic-to-Sewer – Bid is advertised; All bid due dates are extended due to COVID-19
- Micco Sewer Service Extension –All permits issued, preparation of bid documents underway
- Basin 10 County Line Road Woodchip Bioreactor – completion expected 4/10; final walk through 4/14
- Derelict Vessels – 5 additional derelict vessels removed
- Marina Isles Oyster Bar population has remained stable over the last quarter, with growth in oyster shell length for two size classes
- Mid-Year budget adjustments were approved by the County Commission on April 7th
- Budget changes have been prepared to adjust the budget to match the adopted 2020 Plan Update

WORK UNDERWAY THIS MONTH:

- Palm Bay North Region Water Reclamation Facility Upgrade – Pre-construction meeting and Notice to Proceed scheduled to occur on 4/16/20, plan to break ground in July or August pending Covid-19
- Beaches Leaking Sewer Laterals – 21 repairs complete; 7 reimbursements processed
- Preparing plumber RFP for use with leaky lateral repairs and sewer connection projects
- Ordinance options to enforce mandatory repair of broken sewer laterals is on hold for Covid-19
- Cone Road Septic-to-Sewer –11 properties connected
- Melbourne - Pennwood and Riverside septic to sewer project contract amendments out for signature
- 200+ Postcards being sent weekly for Septic Upgrade reimbursement grants; 1 reimbursement request received; 18 applications sent to interested property owners
- Recruitment underway for Inground Nitrogen Reducing Bioreactor pilot projects; 3 potential recruits
- Basin 115 Carter Road Biosorption Activated Media - construction is underway
- Basin 2134 Fleming Grant Biosorption Activated Media following Basin 10 completion approval
- Johns Road and Flounder Creek –waiting for Army Corp permits; starting bid package preparations
- Kingsmill-Aurora Phase II – Consultants received survey work, reviewing survey data, continuing design
- Basin 1329 – coordinating with Satellite Beach; Army Corp permit received on 3/4
- Melbourne – Sherwood Park Stormwater Quality Project contract in draft
- Melbourne – Cliff Creek Amendment in draft
- Grand Canal Muck Dredging – awaiting responses from regulatory agencies for permit modification to include Berkeley Canal; DMMA site prep for restart
- Sykes Creek Phase I Muck Dredging – County requested additional information from low bidder
- Cocoa Beach Golf Muck Project– City and County evaluating options for selection of consultant to conduct assessment of capping alternative
- Rockledge A – preliminary field work scope under final review for authorization
- Titusville Railroad Bridge East and West –proposal for additional data collection under review
- NASA Causeway East–proposal for additional data collection under review
- Coconut Point Oyster Bar - full base layer is constructed and baseline monitoring is complete
- Aquafiber Nitrogen & Phosphorus Surface Water Remediation Demo – delayed by Covid-19
- Video Production – underway for 'My Lagoon Story' for new Citizen Oversight Committee members, Sylvan Estates Septic to Sewer Project and Cocoa Beach Water Reclamation Facility Upgrade



PRESENTATIONS THIS MONTH: All Cancelled or postponed due to Covid-19 social distancing

March 21 – Florida Master Naturalist Program – Brandon

March 26 – LEAD Brevard – Virginia and Brandon

March 27 – Lagoon & Lager at Hell ‘n Blazes – Terri

April 17 – Cocoa Beach Friday Fest and Earth Day Festival - Anthony

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS: All Cancelled or postponed due to Covid-19

3/21-5/9 Florida Master Naturalist Program – Coastal Module <https://conference.ifas.ufl.edu/fmnp/>

4/7, Marine Resources Council Brown Bag Seminar: Recycle Brevard

4/24 – Brevard Zoo Safari Under the Stars Youth Event with Jean-Michel Cousteau

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES: All Cancelled or postponed due to Covid-19

Brevard Zoo Reef Build events Contact restoreourshores@brevardzoo.org

Brevard Zoo– Shoreline Planting <https://restoreourshores.org/volunteer-we-need-you/#howyoucanhelp>

Keep Brevard Beautiful - Lagoon Friendly Lawns – contact Kaylyn Palmer 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., 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. Lagoon projects managed and funded by other entities
16. Climate change impacts to the Lagoon – Randy Parkinson
17. Low Impact Development – Local examples
18. Project Monitoring Results
19. Package Plants