



Save Our Indian River Lagoon Project Plan

July 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Provisional Trust Fund revenue reductions due to Covid-19 were revised for this year and next year
- FY20/21 Legislative Appropriation: \$1,000,000 approved for septic to sewer
- Retail Fertilizer Signs were improved by focus groups, printed and delivered to 53 businesses
- Two experimental Inground Nitrogen Reducing Bioreactor septic drainfields installed in Titusville
- Basin 832 Broadway Pond Biosorption Activated Media– construction was completed June 2020
- Received landowner's approval to move forward with Huntington Pond stormwater project
- Derelict Vessels – 2 additional derelict vessels removed
- Marine Resources Council planted living shorelines at Fisherman's Landing and Rotary Park
- University of Central Florida monitored 1 planted shoreline and 3 oyster bar sites. The number of oysters at the new Maritime Hammock and Hog Point increased by over 400% due to spat settlement.
- Brevard Zoo monitored 2 pre-sales tax oyster bar sites
- My Lagoon Story videos for John Luznar, Melissa Martin, Laurilee Thompson and Todd Swingle
- Project videos for the Cocoa Beach Water Reclamation Facility and the Broadway Stormwater Pond
- Contracts executed for Melbourne's Roxy Ave Septic to Sewer and Aquafiber's Demonstration Project

WORK UNDERWAY THIS MONTH:

- Sykes Creek N Septic-to-Sewer – Considering vacuum sewer with mandatory connection
- Beaches Leaking Sewer Laterals – 27 repairs complete; 7 reimbursements processed
- Package prepared to prequalify plumbers to repair leaky laterals and connect septic to sewer
- Cone Road Septic-to-Sewer – 34 properties connected
- Micco Sewer Service Extension – Considering options for mandatory connection
- South Central C Septic-to-Sewer – Land acquisition proceeding. DOT permit approved.
- Septic Upgrade postcards redesigned for second notice; 1 reimbursement; 105 applications received
- Recruitment continues for Inground Nitrogen Reducing Bioreactor pilot projects; 14 potential recruits
- Basin 1304 stormwater treatment will start construction in July
- Johns Road and Flounder Creek – bid package prep while awaiting Army Corp and Public Works permits
- 319 Baffle Box Grant – COVID extension, adding a Melbourne baffle box, completing monitoring report
- Huntington Pond – Reviewing 90% plans, then applying for permits
- Cocoa Beach Phase IIb Muck Project – Dredging approximately 30% complete
- Grand Canal Muck Dredging –, awaiting federal permit for Berkeley Canal; Dredging to restart in August
- Sykes Creek Phase I Muck Dredging–Additional information from contractor is currently under review
- Cocoa Beach Golf Muck Project– Consultant selection pre-bid meeting on July 10th
- Rockledge A – Preliminary field work complete; awaiting deliverables
- NASA Causeway East, Titusville Railroad Bridge East & West – Additional field data collection underway
- Contracts out for signature for Melbourne's South Central F, Sherwood Park Stormwater Quality Project, Indialantic's Basin 5 Dry Retention, and Titusville's Draa Field Vegetation Harvesting, Draa Field Pond Managed Aquatic Plant Systems, and Osprey Plant Pond Managed Aquatic Plant Systems projects
- Video Production –Sylvan Estates Septic to Sewer interview filmed; Oyster Monitoring filmed and in editing; In Ground Nitrogen Reducing Biofilter septic upgrade video scheduled for July 13-14
- Retail fertilizer sign posting verification over half way complete.



PRESENTATIONS THIS MONTH:

May 16 – Catch a Memory Fishing Show interview – Virginia

June 2 - Marine Resources Council Brown Bag Seminar: Indian River Legacy - Laurilee Thompson

July 6 – Brevard Transportation Planning Organization considered 528 Causeway versus Bridge spans

July 22 – Florida Permitting School Conference, FL Clean Waterways Act Panel Discussion – Virginia

July 28 – Lead Brevard Facebook Live presentation on Save Our Indian River Lagoon Plan progress- Virginia

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

August 4 - Marine Resources Council Brown Bag Seminar: Dr. Robert van Woelik on Corals & Climate Change

Ongoing - Marine Resources Council Summer Camp and 3rd-6th grade Virtual Learning

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. Ongoing Research on Charismatic Critters of the Lagoon – Hubbs SeaWorld Research Institute
2. Wastewater Utility Asset Management Planning – Todd Swingle
3. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
4. Surface Water Remediation – AquaFiber, D.T.G., Chemical Tech, Phosphorus Free
5. New Enhanced Ocean Inflow Research – Florida Tech Research Initiative
6. Completed and Ongoing Muck Research – Florida Tech Research Initiative
7. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
8. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
9. Coordinating Spoil Management with Florida Inland Navigation District
10. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation - Gybe
11. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
12. Lagoon projects managed and funded by other agencies, entities or grant programs
13. Climate change impacts to the Lagoon – Randy Parkinson
14. Low Impact Development – Local examples
15. Project Monitoring Results
16. Package Plants