



Save Our Indian River Lagoon Project Plan February 2021 Progress Report

WORK COMPLETED THIS MONTH:

- Save Our Indian River Lagoon Project Plan 2021 Update – Approved by the County Commission
- October and November revenues are consistent with forecasts used for the 2021 Plan Update
- Plumbers - Pre-qualification RFQ – 1 additional contractor submitted to be qualified
- Septic Load Estimation for all parcels county-wide complete to support pro-rated grant options
- Indian River Basin 5 Dry Retention Stormwater – construction is complete
- Titusville Osprey Pond Managed Aquatic Plant System – installation is complete
- Cocoa Floating Wetlands to Stormwater Pond – installation is complete
- Brevard County Stormwater Basins 22, 51, 193, 141 and 1304 - construction complete
- Cocoa Beach Golf Muck Project – Preliminary field data collection complete
- University of Central Florida found 38% and 98% increases in live oysters at the Ahmed-Niland and MacNiell-Pitner oyster bars, with an average of 29 oyster per shell bag ranging in size from 7 to 72 mm at the unseeded oyster bar after 6 months. Monitoring of three vegetated living shorelines revealed poor survival likely due to shoreline erosion.
- First month post-deployment monitoring of the alternative oyster materials test suggested similar fouling across material types, with a prevalence of algal and detrital cover and initial recruitment by tube-worms, encrusting bryozoans, various crab species, and zooplankton.
- Derelict Vessels – 1 additional derelict vessel was removed

WORK UNDERWAY THIS MONTH:

- Polishing an online grant application portal for septic upgrades, sewer connections and repairs
- Contracting for 6 new grants from the state and Water Management District
- Beaches Leaking Sewer Laterals – 28 repairs complete; 10 reimbursements processed to date
- Cone Road Septic-to-Sewer Phase 2 – 51 properties connected; enforcement letters going to 8 left
- Sykes Creek N Septic-to-Sewer – Project design plus demolition for new lift station are underway
- Sykes Creek M & T Septic-to-Sewer – Acquiring property for lift station lots
- South Central C Septic-to-Sewer – Acquiring easement from St. Johns River Water Management District
- South Beaches O & P Septic-to-Sewer – Starting survey and preliminary design
- Septic Upgrades – 160 applications approved; 60 in progress; 12 reimbursements completed
- Sherwood Park Stormwater Quality Project approximately 75% complete
- Stormwater Basins 958, 998 and 1066 - Task orders are being negotiated for project designs
- Flounder Creek – Public Works is providing cost estimate to construct in-house
- Cocoa Beach Phase IIb Muck Dredging – Dredging is approximately 75% complete
- Grand Canal Muck Dredging – Manatee closure until March
- Sykes Creek Phase I Muck Dredging – reviewing contractor response to additional information request
- Eau Gallie Northeast Muck Project –Draft permit modification request for dredging pipeline to cross the Intracoastal Waterway under review by County
- Video Production – Septic upgrade video in production. Vegetative harvesting and managed aquatic plant system videos scheduled
- Collecting responses to Tourism grant-funded Communication Transparency Surveys



PRESENTATIONS THIS MONTH:

February 18 - Brevard County Budget Workshop, 10-Year Save Our Lagoon Project Plan – Virginia
February 18 – Indian River Lagoon Symposium, Testing Alternative Oyster Restoration Materials - Jenny

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

Ongoing - [Marine Resources Council 3rd-6th grade Virtual Learning](#)
February 18 – [Virtual Fieldtrip Among the Mangroves](#) – Marine Resources Council
February 18 & 19 – [Indian River Lagoon Symposium - Call for Presenters Underway](#)
February 23, March 9 & 23 – Virtual Water Ambassador Program – [email Lisa Krinsky for details](#)
March 2 – Marine Resources Council Lunch and Learn Webinar: Native Plant Landscaping
March 6 – [Botanical Fest Rain Barrel Workshop](#) – Marine Resources Council

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo – [Oyster Supply Prep](#) – February 20 & 26
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 Nicole Broquet for opportunities](#)
Merritt Island National Wildlife Refuge Trash Cleanups Tuesday & Saturdays – [Email Micah Thomas](#)

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. Low Impact Development – Local examples, efforts and potential opportunities
2. Wastewater Utility Asset Management Planning – Todd Swingle
3. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
4. Surface Water Remediation – Phosphorus Free, S.W.I.G., D.T.G., Chemical Tech, HABITATS
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. Project Monitoring Results