



Save Our Indian River Lagoon Project Plan October 2019 Progress Report

WORK COMPLETED THIS MONTH:

- Project Application form for the 2020 Plan Update is live on the website
- “Tell Us What You Think” survey on public interest in reporting progress is at <http://bit.ly/soirl2019>
- Micco Sewer Service Extension – state permit issued
- Sykes Creek Zones N Septic-to-Sewer – state permit approved; received Right of Way permit questions
- Grand Canal Muck Dredging – Pre-construction survey of select canals complete; additional sediment sampling complete; dewatering area approximately 70% complete, awaiting state permit response to Request for Additional Information on material handling area modifications, continuing to collect dredge waivers from homeowners, seeking a permission to add the Berkeley Canal to the permit
- Titusville Railroad Bridge East and West –Bathymetric and muck surveys field work complete
- NASA Causeway East–Bathymetric and muck surveys field work complete
- Merritt Island Muck Dredging – state permit issued, federal is expected this month
- Kilroys –4th monitoring station installed (at southern entrance to Grand Canal system)
- University of Central Florida researchers conducted monitoring at 3 oyster sites and checked for hurricane damage at all oyster and planted sites; coordinating Bomalaski repairs with Zoo staff.
- Derelict Vessels – 4 additional derelict vessels removed

WORK UNDERWAY THIS MONTH:

- Two candidates have been recommended to Human Resources for filling the vacant staff positions
- Applications to fill the soon to be vacant Oversight Committee Real Estate seat are due October 11
- Revisiting fertilizer retail facilities to check compliance with signage ordinance
- Palm Bay North Area Water Reclamation Facility Upgrade Amendment at City for signatures
- Melbourne - Grant Street Water Reclamation Facility – contract circulating for signatures
- Beaches Leaking Sewer Laterals – grant reimbursement letter offers mailed to 180 property owners
- Briarwood Mobile Home Park – Board approval of grant to convert 19 septic to sewer service
- Cone Road Septic-to-Sewer – Merritt Island Redevelopment Agency Open House October 30
- South Central C Septic-to-Sewer – awaiting 90% design
- Sykes Creek Zone M and T- reviewing 30% design
- Titusville Septic to Sewer - contract in review by County Attorney
- Melbourne – Pennwood Drive Septic to Sewer contract extension at City for signature
- Johns Road and Flounder Creek - permitting underway; bid documents being prepared
- Basin 1409 and 1349 – permitting and easement acquisition underway
- Titusville - South Street Baffle Boxes, La Paloma, and St Teresa contract extension at City for signatures
- Indian Harbour Beach Big Muddy Baffle Box - contract circulating for signatures
- Cocoa Beach Muck Dredging - Phase III is ~94% complete, Phase IIb DMMA ~60% complete
- Sykes Creek Muck Dredging – Phase I bid being finalized by Purchasing
- Mathers Bridge Area Muck Removal – Survey data currently being evaluated
- Indian Harbour Beach Canal Dredging - contract circulating for signatures
- Permission received to advertise for bids to produce project videos for 3 years with 2 optional renewals
- Story Map – working on a new layer to show reclaimed water areas and their nutrient content



PRESENTATIONS THIS MONTH:

September 23 – Brevard Indian River Lagoon Coalition Straight Talk Cocoa Beach – Virginia and Brandon
September 27 - Florida Institute of Technology, TechCon2019 – Virginia, Matt Badolato, Jennifer Thompson
October 10 – A Day in the Life of the Indian River Lagoon – Brandon
October 8 – Florida Department of Environmental Protection Workshop on Septic to Sewer Funding – Anthony, Matt and Eddy Fontanin

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

11/9, 10am-2pm, Indian River Lagoon Day, Front Street Park, Melbourne
11/15, ShORE Symposium <https://www.daytonastate.edu/shore/>
12/6, 4th Annual BMW Margaritas for Mangroves Holiday Benefit for the Lagoon
<https://www.facebook.com/events/2190738814303246/>

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Keep Brevard Beautiful- 1,000 Mini Tree Giveaway, 10/26
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, 11/3
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. Leaking lateral results
2. A Day in the Life of the Indian River Lagoon – Missy Weiss
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 Lagoon Circulation 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. Oyster histories in Brevard County - University of Central Florida
15. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
16. Low Impact Development – Local examples
17. Project Monitoring Results
18. Package Plants