



## Save Our Indian River Lagoon Project Plan November 2018 Progress Report

### WORK COMPLETED THIS MONTH:

- Septic Ordinance Overlay map posted for municipal permit staff, contractor and public use
- Kingsmill-Aurora Stormwater – land purchase was approved by the County Commission
- Grand Canal Muck Dredging – task order executed for coordinating dredge setback waivers
- Eau Gallie Area Muck Removal – state permit issued; federal permit distributed for formal consultation
- Muck Dredging Master Permit - initial seagrass/bathymetric survey field work completed for Rockledge
- Indian Harbour Muck – preliminary plans, sediment analysis and environmental resource report complete
- Muck Finders – Milford Point field work completed
- Micco Sewer Line Ext – 1<sup>st</sup> quarterly groundwater monitoring report complete
- UCF Living Shoreline Monitoring – 1<sup>st</sup> Quarterly Report received for first 3 installed sites
- Fiscal Year 2018 Expenditures closed out; Fiscal Year 2019 Purchase Orders opened for all contracts

### WORK UNDERWAY THIS MONTH:

- 23 New Substitute Projects Received: 15 Stormwater, 1 Waste Water Treatment Plant Upgrade, 1 Smoke Testing/Sewer Lateral Rehabilitation, 1 Muck Removal, 5 Living Shoreline projects
- Titusville Osprey Plant Upgrade – contract awarded and Notice to Proceed issued
- Palm Bay - North Region Water Reclamation Facility – requesting setback variance
- Micco Sewer Ext. – Final design and state environmental and transportation permitting underway
- Sykes Creek Zones M & T – preliminary design underway
- Sykes N Septic-to-Sewer – survey and design underway for expanded project area
- South Central C Septic-to-Sewer – preliminary design complete
- Melbourne Pennwood Septic to Sewer – design complete, contractor approval going to council
- Melbourne – Hoag Septic to Sewer – permit delays, will be requesting an extension
- Beaches Leaking Sewer Laterals - reviewing phase 2 smoke testing report
- Developing monitoring plan for testing innovative septic technology for the Florida Department of Health
- Titusville South Street - bid awarded, construction to begin this quarter
- Melbourne Cliff Creek Baffle Box – in design, working on land acquisition, requesting 8 month extension
- Melbourne Thrush Drive Baffle Box – lack of storm events, requesting 1 year extension for monitoring
- Stormwater Basins 1349, 1409, and 989 – design scopes requested for denitrification projects
- Kingsmill-Aurora – selecting design consultant and beginning process for acquiring DOT pond
- Mims Muck Dredging and Outflow Treatment - dredging continues, approximately 70% complete
- Cocoa Beach - Muck Dredging contract is approximately 50% complete
- Grand Canal Muck Dredging – finalizing bid package for advertisement
- Sykes Creek Muck Dredging – “Phase 1” final design of spoil site approximately 40% complete
- Muck Dredging Permits – finalizing seagrass/bathymetric survey reports for Titusville and Rockledge
- Mathers Bridge Area Muck Removal – scoping expansion of project area
- Merritt Island Muck Dredging – bathymetric/muck survey complete, vibrocore locations selected
- PFAS samples of groundwater, muck, and lagoon surface waters collected and sent to lab
- Grass Clippings Outreach Study observational study complete, survey underway
- Filming videos - “My Lagoon Story,” Living Shoreline Demonstration Site, and Turkey Creek Watershed



### **PRESENTATIONS THIS MONTH:**

October 17 – Archie Carr National Wildlife Refuge Working Group: Virginia  
October 25 – Cocoa Beach Regional Chamber of Commerce - Convention and Visitors Bureau Power Lunch: Virginia  
October 30 – State Interagency Discussion of Oyster Success Criteria – Zoo staff, Jane, Virginia  
November 5 – North Merritt Island HOA: Walker (postponed until February)  
November 7 – Brevard County Internal Audit Committee – Crystal, Virginia  
November 9 – Lagoon SMART Meeting – Brandon & Anthony  
November 9 – How Bold and Gold is Made Facility Tour – Walker  
December 6 – Florida Stormwater Association Winter Conference: Anthony  
February 6 – NASA/FDEP Partnership Meeting –Anthony, Brandon, Courtney  
February 12 – East Merritt Island HOA: Brandon  
February 15 – Christian Women Business Association: Brandon

### **WEBSITE AND SOCIAL MEDIA LINKS:**

Website: <http://www.brevardfl.gov/SaveOurLagoon>  
Facebook: <https://www.facebook.com/BrevardCountySaveOurLagoon>;  
Instagram: <https://www.instagram.com/saveourlagoon/>  
YouTube: <https://goo.gl/GBh6xU>

### **UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:**

Sharing Our Research with Everyone (ShORE) Symposium, November 30, <http://www.daytonastate.edu/shore/>  
Indian River Lagoon Symposium, Harbor Branch, February 7-8, <http://www.indianriverlagoon.org/Symposium.html>  
Diamond Back Terrapin Working Group: Florida Regional Meeting, February 8, contact Joe Butler [jbutler@unf.edu](mailto:jbutler@unf.edu)

### **UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:**

Brevard Zoo Restore Our Shores – Oyster Shell Bagging, November 16, 2018, 8:00 am – 12:00 pm,  
<https://restoreourshores.org/volunteer-we-need-you/>  
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  
Muck Finders - contact Jared McNally, [jared@mrcirl.org](mailto:jared@mrcirl.org), at the Marine Resources Council  
Marine Resources Council Lagoon Watch, Mangrove, or Lagoon Literacy program, <https://savetheirl.org/volunteer/>

### **FUTURE TOPICS FOR SPECIAL PRESENTATIONS:**

1. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
2. Harvesting of Aquatic Weeds
3. Scientific Peer Review of the Save Our Indian River Lagoon Project Plan and Recommended Updates
4. Coordinating Dredging and Spoil Management with Florida Inland Navigation District
5. Mechanical Dewatering of Muck and Methods for Stripping Nutrients from Interstitial Water
6. Indian River Lagoon Research News: TechCon, ShORE, and Harbor Branch Symposium Highlights
7. Completed and Ongoing Muck Research – Florida Tech and Ocean Research Conservation Association
8. Lagoon Fish and Fisheries
9. A Day in the Life of the Indian River Lagoon Summary – Missy Weiss