



Save Our Indian River Lagoon Project Plan January 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Draft Save Our Indian River Lagoon Project Plan 2020 Update prepared
- Stormwater catchment basin loading model updated county-wide
- Sykes Creek Zones N Septic-to-Sewer – Right of Way permit received; being prepared for bidding
- Ten county stormwater basin treatment projects were bid and will be awarded to 2 contractors
- Cocoa Beach Muck Dredging - Phase III complete
- Sykes Creek Muck Dredging – Phase I bid advertised, pre-bid meeting held
- Titusville Railroad Bridge East and West –Bathymetric and muck survey data received
- NASA Causeway East–Bathymetric and muck survey data received
- Mathers Bridge Area Muck Removal – Additional survey data collected
- Derelict Vessels – 5 additional derelict vessels removed
- Video production bid was awarded to 142 Productions; kickoff meeting was held
- Contract executed for Melbourne Grant St. Water Reclamation Facility
- Contracts executed for Indian Harbour Beach Big Muddy, Muck Dredging and Interstitial Treatment
- Contracts executed with Brevard Zoo for Banana River Plants, North IRL Plants, and North IRL Oysters

WORK UNDERWAY THIS MONTH:

- Palm Bay North Region Water Reclamation Facility - design and permitting complete, bid is posted
- Beaches Leaking Sewer Laterals – 15 repairs complete; ordinance tabled that might mandate repairs
- Cone Road Septic-to-Sewer –3 properties connected
- South Central C Septic-to-Sewer – 90% design under review by Utility Services
- Sykes Creek Zone M and T- reviewing 30% design, discussing powerline & pole relocates with FPL
- Titusville Zones A-G Septic to Sewer - contract out to city for signatures
- West Melbourne Sylvan Estates Septic to Sewer - construction has started
- Micco Sewer Service Extension – responses to agency permit questions underway
- Johns Road and Flounder Creek - permitting underway; bid documents being prepared
- Basin 1409 and 1349 – permitting and easement acquisition underway
- Kingsmill-Aurora Phase II – design underway, additional survey being scheduled
- Year 3 Stormwater Basins - surveys are being scheduled to determine any land acquisition needs
- Grand Canal Muck Dredging –hauling dredged material during manatee closure, continuing to collect dredge waivers from homeowners, and seeking permission to add the Berkeley Canal to the permit
- Merritt Island Muck Dredging – All permits in place. Spoil site development underway.
- University of Central Florida researchers observed large recruitment and bridging at 1 site
- Palm Bay withdrew Turkey Creek Living Shoreline Oyster and Plants Project
- Story Map – working on a new layer to show reclaimed water areas and their nutrient content



PRESENTATIONS THIS MONTH:

January 15 – Oyster Restoration Presentation at the Archie Carr Working Group Meeting – Jenny
January 22 – Lagoon Straight Talk – Virginia & Brandon

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

1/22, Lagoon Straight Talk, Satellite Beach High <https://www.facebook.com/events/638042817007270/>
2/4, Marine Resources Council Brown Bag Lunch: Florida Wildlife Hospital Speaker
2/13-14, Indian River Lagoon Symposium <http://www.indianriverlagoon.org/symposium.html>

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo – Oyster Reef Monitoring, 1/25 - <https://restoreourshores.org/volunteer-we-need-you/>
Keep Brevard Beautiful – Pineda Causeway Cleanup 2/12 – <https://keepbrevardbeautiful.org/events>
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 – Lagoon Watch, Mangrove, or Lagoon Literacy - <https://savetheirl.org/volunteer/>
Lagoon Litter Patrol, Lagoon House, 1/11 9:30-11:00am
UF/IFAS Brevard County Extension – Horseshoe Crab Watch Volunteer Training, 1/14 -
<https://www.facebook.com/events/2426707010925980/>

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. 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 Ocean Inflow Research – Florida Tech Research Initiative
6. Wastewater Utility Asset Management Planning – Todd Swingle
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. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
15. Low Impact Development – Local examples
16. Project Monitoring Results
17. Package Plants