



Save Our Indian River Lagoon Project Plan September 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Grant applications submitted for South Central C Septic to Sewer, Connection of Oak Point Package Plant to Central Sewer, Upgrade of 20 homes on Grant Farm Island to Distributed Sewer, Leaky Lateral Repairs, Vegetative Harvesting, Grand Canal Muck Dredging, a Floating Solar BioHaven in the Long Point Sewage Lagoon, Remote Sensing and Analysis for Sykes Creek and Grand Canal, an Innovative Toilet, and Outreach funding to address Excess Irrigation and Stormwater Pond Maintenance
- Fertilizer sign compliance letters were sent to 6 stores.
- Basin 51 stormwater treatment project broke ground September 9th
- Rockledge A– Field data collection complete. Awaiting deliverables.
- Cocoa Beach Golf Muck Project – Interviews with consultant applicants conducted on September 9th
- Rockledge A– Field data collection complete, analysis underway
- Brevard Zoo distributed oyster spat to gardeners from a successful spawn by Harbor Branch
- University of Central Florida conducted oyster bar monitoring at Riverside Drive, which had 90.6% survival at 1 month, and Coconut Point which had more than doubled the live count – at a mean of 51.6 oysters per monitored bag at 3 months. Two vegetated living shorelines were also monitored with an average of 52 and 63% survival for grasses and 68 and 97% survival of mangroves.
- Project videos were completed for the Living Shoreline Demo Site & Oyster Monitoring
- Derelict Vessels – 2 additional derelict vessels removed

WORK UNDERWAY THIS MONTH:

- Sykes Creek N Septic-to-Sewer – land acquired for vacuum sewer station and lift station
- Beaches Leaking Sewer Laterals – 28 repairs complete; 9 reimbursements processed to date
- Two plumbers submitted qualifications to repair leaky laterals and connect septic to sewer
- Cone Road Septic-to-Sewer Phase 2 – 39 properties connected
- Micco Sewer Service Extension – Additional design work under way
- South Central C Septic-to-Sewer – submitted state permit application
- Innovative Septic Drainfields - Permit applications submitted to the state for the next 3 sites
- Septic Upgrades – 2nd grant notices sent; 145 applications and 3 reimbursements processed
- Basin 1304 stormwater treatment – construction crew were temporarily pulled off this job
- Johns Road and Flounder Creek –federal permits approved, pursuing in-house County construction
- Huntington Pond – considering different design options
- Grand Canal Muck Dredging –Dredging is active; permit agencies may shorten manatee closure window
- Sykes Creek Phase I Muck Dredging – 2nd request for additional information due from contractor 9/30
- NASA Causeway East & Titusville Railroad Bridge West – Analysis of field data is underway
- Eau Gallie Northeast Muck Project – Task order to revise pipeline corridor is in process
- Brevard Zoo has begun material preparation of new gabion material for oyster bars at Dragon Point.
- Brevard Zoo will be hosting a virtual oyster gardening workshop
- New clam program ideas – collaborative discussions are ongoing with community partners
- Video Production – filming for My Lagoon Story: Kimberly Newton



PRESENTATIONS THIS MONTH:

September 17—Satellite Beach 55+ Fishing Club Meeting – Matt
September 19 – Catch a Memory Fishing Radio Show – Virginia
September 29 – Cocoa Rotary Meeting – Virginia
October 7 – Propeller Club - Virginia

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

October 6 - [Marine Resources Council Lunch and Learn Webinar: Horseshoe Crab Watch](#)
September 12 – [Marine Resources Council and Rockledge Gardens Mighty Mangroves Webinar](#)
September 26 – [Marine Resources Council National Estuaries Day Celebration](#)
Ongoing - [Marine Resources Council 3rd-6th grade Virtual Learning](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo – [Email for upcoming Reef Build and Shoreline Planting events](#)
Keep Brevard Beautiful - [International Virtual Coastal Cleanup \(September\) – Report in KBB app](#)
Marine Resources Council – [International Coastal Cleanup, September 19](#)

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. 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 – Phosphorus Free, S.W.I.G., D.T.G., Chemical Tech
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