



Save Our Indian River Lagoon Project Plan November 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Cocoa Beach Water Reclamation Facility Upgrade complete
- Osprey Wastewater Treatment Facility Upgrades bid advertised
- Plumbers - Selection Committee pre-qualified 2 contractors for direct pay from the County
- South Central F sewer force main installed with one homeowner connection application pending
- Indialantic Basin 5 Dry Retention project complete
- Stormwater Basins 1304 and 51 are finished with construction; 51 is still awaiting final walk through
- Draa Field Vegetation Harvesting project bid advertised
- Draa Field Pond Managed Aquatic Plant Systems contracted
- Osprey Pond Managed Aquatic Plant Systems contracted
- Grand Canal Muck Dredging –Dredging is active; Army Corps shortened manatee closure period
- Cocoa Beach Golf Muck Project – City contracted design consultant and is holding a kick-off meeting
- Eau Gallie Northeast Muck Project –Survey to cross Intercoastal Waterway completed for Army Corps
- Brevard Zoo built 3,120 square feet of oyster bar along in the North IRL
- University of Central Florida monitoring - live oyster densities increased 2.3 to 9.1 times at the 3 sites monitored. At 3 planted shorelines, survival of red mangroves was 58%, 86% and 92%. Survival of *S. bakeri* at 3 sites was 39%, 41% and 57%. At the more protected site, new cordgrass shoots were noted.
- Grass Clippings Outreach contract was executed for fiscal year 20/21
- Video Production – Kimberly Newton’s My Lagoon Story completed
- Derelict Vessels – 2 additional derelict vessels were removed

WORK UNDERWAY THIS MONTH:

- Revenue forecasts were revised twice following arrival of July and August collections
- 24 new project funding applications were reviewed for consistency with program parameters
- Beaches Leaking Sewer Laterals – 28 repairs complete; 9 reimbursements processed to date
- Developing an online grant application portal for septic upgrades, sewer connections and repairs
- Cone Road Septic-to-Sewer Phase 2 – 46 properties connected
- Sykes Creek N Septic-to-Sewer – Task Order executed to design vacuum sewer
- Sykes Creek M & T Septic-to-Sewer – Starting property appraisals for lift station lots
- South Central C Septic-to-Sewer – Public Work reviewing revised plans for right-of-way permits
- Grant Farm Island Distributed Wastewater Treatment Project – Outreach to property owners
- Septic Upgrades – 160 applications approved; 54 in progress; 7 reimbursements completed
- Septic Load Estimation for all parcels county-wide is underway to support pro-rated grant options
- Stormwater Basins 22, 100, and 1298 – Are under construction
- More detailed survey for Kingsmill-Aurora Phase II has begun
- Huntington Pond design changes are underway
- Johns Rd & Flounder Creek engineering cost estimates have been sent to PW for review
- Thrush Drive - Baffle Box permits received
- Sherwood Park Stormwater Project - construction underway
- Cocoa Beach Phase IIb Muck Dredging – Dredging is approximately 65% complete
- Sykes Creek Phase I Muck Dredging – met with contractor about 3rd request for additional information



PRESENTATIONS THIS MONTH:

November 7 – [Lagoon Loyal Event at Boater's Exchange](#) – Brandon and Matt

November 14 – Indian River Lagoon Day at Front Street Park – Brandon

UPCOMING LAGOON SCIENCE FORUMS AND PUBLIC EVENTS:

November 14 – Indian River Lagoon Day at Front Street Park 10:00 am – 2:00 pm

December 10 – [Marine Resources Council Lunch and Learn Webinar: North Atlantic Whale Update](#)

Ongoing - [Marine Resources Council 3rd-6th grade Virtual Learning](#)

November 21 – Merritt Island National Wildlife Refuge Hikes – [Email Micah Thomas](#)

February 18 & 19 – [Indian River Lagoon Symposium Call for Presenters](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo – [Teacher Drive Thru Adopt-A-Mangrove](#) – November 16

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. Wastewater Utility Asset Management Planning – Todd Swingle
2. Re-use/Reclaimed Water – Nutrient Loading Impacts and Opportunities
3. Surface Water Remediation – Phosphorus Free, S.W.I.G., D.T.G., Chemical Tech, HABITATS
4. New Enhanced Ocean Inflow Research – Florida Tech Research Initiative
5. Completed and Ongoing Muck Research – Florida Tech Research Initiative
6. Indian River Lagoon Research News: TechCon, Shore, and Harbor Branch Symposium Highlights
7. Water Technology Conference/Industry Day – Economic Development and National Estuary Program
8. Coordinating Spoil Management with Florida Inland Navigation District
9. Pollution and Algal Bloom Mapping via Satellite Imagery Interpretation - Gybe
10. Lagoon Fish and Fisheries Research – Dr. Grant Gilmore
11. Lagoon projects managed and funded by other agencies, entities or grant programs
12. Climate change impacts to the Lagoon – Randy Parkinson
13. Low Impact Development – Local examples
14. Project Monitoring Results
15. Package Plants