



Save Our Indian River Lagoon Project Plan October 2020 Progress Report

WORK COMPLETED THIS MONTH:

- Follow up inspections were done on Fertilizer Store Signage, 2 remain out of compliance
- Palm Bay Water Reclamation Facility Upgrade - Project broke ground on construction
- Innovative Septic Drainfields – 3 more sites installed; all 6 sites will be monitored quarterly
- Micco Sewer Service Extension – Additional survey data collected; additional design work under way
- Cocoa Beach Golf Muck Project – City Commission approved negotiating a consultant agreement
- Eau Gallie Northeast Muck Project – Survey collected for pipeline to cross the Intercoastal Waterway
- Septic Upgrades – 6 completed (4 in North IRL, 2 in Central IRL), first reimbursements in process
- Stormwater Baffle Box Grant (319 NF025) – Final monitoring report submitted
- Brevard Zoo built 2,760 square feet of oyster bar along Riverside Drive, Melbourne Beach
- University of Central Florida monitored 2 oyster bars. The 2-year old Bomalaski site had 66.2 ± 26.2 live oysters per shell bag. Recent and ongoing recruitment should maintain higher density than deployed
- Project video was completed for an Offline Stormwater Project
- Derelict Vessels – 1 additional derelict vessel removed

WORK UNDERWAY THIS MONTH:

- New project funding applications – 24 received: 5 septic removal/sewer extensions, 7 stormwater including a project amendment, 3 vegetation harvesting, 5 oyster bars and 4 planted shorelines
- Plumbers - Selection Committee meets Oct 14th to pre-qualify contractors for direct pay from County
- Developing an online grant application portal for septic upgrades, sewer connections and repairs
- Beaches Leaking Sewer Laterals – 28 repairs complete; 9 reimbursements processed to date
- Cone Road Septic-to-Sewer Phase 2 – 45 properties connected
- Sykes Creek N Septic-to-Sewer – Task Order prepared to design vacuum sewer
- South Central C Septic-to-Sewer – Utilities is addressing state and right-of-way permit questions
- Septic Upgrades – 154 applications and 6 reimbursements processed to date
- Septic Load Estimation for all parcels county-wide is underway to support pro-rated grant options
- Stormwater Basins 22, 51, 1298 and 1304 – Are under construction
- Big Muddy Baffle Box - Time extension amendment out for signatures
- Thrush Drive and Sylvan Estates - Time extension amendments executed
- Cocoa Beach Phase IIb Muck Dredging – Dredging is approximately 60% complete
- Grand Canal Muck Dredging – Dredging is active; Army Corps may shorten manatee closure period
- Sykes Creek Phase I Muck Dredging – Reviewing response to 2nd request for additional information
- NASA Causeway East & Titusville Railroad Bridge West – Analysis of field data is underway
- Rockledge A Muck Dredging – Awaiting deliverables from consultant for sediment analysis
- Brevard Zoo has begun building 1,920 square feet of oyster bar at Dragon Point.
- Video Production – filming for My Lagoon Story: Kimberly Newton and Stephany Eley
- FY 20/21 Fertilizer and Septic Outreach - Task order with MTN is out for signature
- FY 20/21 Grass Clippings Outreach - Task order with MRC is out for signature
- Contract templates approved by Commission to allow for two six month, no-cost time extensions
- Closing out fiscal year 19-20; Opening Purchase Orders for fiscal year 20-21



PRESENTATIONS THIS MONTH:

September 18 – Florida Stormwater Association: Impacts of Sediment on Water Quality – Walker Dawson
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:

November 10 – [Marine Resources Council Lunch and Learn Webinar: Ropeless Fishing Gear](#)
November 7 – [Lagoon Loyal Event at Boater's Exchange 9:00 am – 4:00 pm](#)
November 14 – Indian River Lagoon Day at Front Street Park 10:00 am – 2:00 pm
Ongoing - [Marine Resources Council 3rd-6th grade Virtual Learning](#)
October 17 & 24, November 7 & 21 – Merritt Island National Wildlife Refuge Hikes – [Email Micah Thomas](#)

UPCOMING VOLUNTEER PARTICIPATION OPPORTUNITIES:

Brevard Zoo – [Oyster Gardener Training Workshops](#) – October 14 & 17
Rotary Park rain garden maintenance – [Email Carlos Cuevas for opportunities](#)
Storm drain marking in Cocoa – [Email Carlos Cuevas 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
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