



Research Department Update November 14, 2018

Timeline of Recent Research and Restoration Events

October 25 – New intern began for the Fall Semester.

October 26 – Glenn Coldren, Kathryn Tiling, and Pam Hopkins attended the quarterly East Central Estuarine Restoration Team (ECERT).

October 29 – Initiated permitting for a living shoreline on property that would serve both as an experimental site and an exhibit.

October 30 – Received final payment for IRL NEP Grant (IRL 2017-20).

November 1 – Installed a partner exhibit at the Manatee Observation and Education Center in Fort Pierce on FOSTER which will be in place for the next four months. Initiated a partnership with FWC to setup an oyster settling experiment in Lake Worth Lagoon.

November 2 – Deployed reefs at Sewel's Point shoreline (project #5).

November 5 – Accepted intern to work on SET project (project #7a,b).

November 6 – Partnered with FWC on pilot project to develop volunteer friendly oyster restoration methods in Lake Worth Lagoon

November 7 – Attended and promoted seagrass collections with Sailfish Point Beach cleanup group. Met with Senior Scientist from Loxahatchee River District to discuss potential collaborations for oysters and seagrasses.

November 13 – Eagle Scout project to rebuilt deteriorating oyster shell table began construction.

Research Interns:

▪ Current Interns:

- Chelsea Hayes, IRSC: water quality program intern working on secchi disk v. tube study
- Arielle Velazquez, IRSC: living shoreline projects and oyster spat recruitment project
- Sydney Martinez, High School Clark Intern: living shoreline projects and oyster spat recruitment project

Research and Conservation Department Fiscal Year 2019 – Funded Projects

Proj. #	Project Title	Staff	External Funds?	Funding Type	Source	Funding Amount to FOS	Fiscal Year	Income	Expense	Status
4	Seagrass nursery expansion	KT, GC, PH	Yes	Donations	Oceans Alive Cash Call	\$72,000	2018 - 2019	4835	6335	In progress
Notes	Work extending into 2019; FY18 was 4680 Income and 5690 Expense; Changed in FY19									
Progress	Design finished and approved; Shoreline frames built; Fence built; Land cleared; Prototype table built. Table building underway.									
5	Sewall's Point Living Shoreline	GC	Yes	Donation	Private	\$5,600	2019	4680	5700	In progress
Notes	Moved into FY19 due to discharges; Funds personnel time for surveys, permitting and reef construction									
Progress	4.5 of 5 reefs built. Mangrove planters still to be added. Possible expansion of near shore reef, pending home owner decision.									
6	Mapping of oyster reefs in St. Lucie River	GC	Yes	Govt. contract	SFWMD to Johnson Engineering (contractor)	\$6,214	2019	4680	5700	Start delayed
Notes	Partnership: Subcontract through Johnson Engineering; Funds personnel (Research Associate)									
Progress	Start delayed due to water quality as a result of discharges. Expected start is winter 2018.									
7a	Assessing the effects of restored oyster reefs and seagrasses on shoreline stabilization.	GC, KT	Yes	Competitive Grant	IRL NEP	\$4,812	2019	4680	5690	Awarded, awaiting final agreement
Notes	Minigrant; Funds supplies									
Progress	SET design with local machine shop but work is on hold pending final agreement from NEP; delayed by their legal team; agreement expected week of Nov. 19									
7b	New planting methods to enhance the resiliency of Living Shorelines	GC	Yes	Competitive Grant	IRL License Plate Grant; SFWMD	\$16,273	2019	4680	5700	In progress
Notes	Funds personnel (Research Associate)									
Progress	Funding a portion of shell collection time and shell bagging time. Reef building will begin contingent with grant 7a start. Will be billed quarterly.									
8	Immersing CORE (Community Oyster Restoration Enhancement) Modules Into Restoration and Education	VE	Yes	Competitive Grant	IRL NEP	\$2,440	2019	4680	5690	In progress
Notes	Partnership: Florida Sea Grant; Minigrant; Funds supplies									
Progress	Work will be performed with summer camps (Summer 2019)									
9	Microplastics in the IRL	VE, PH	Yes	Competitive Grant	IRL NEP; UCF project lead	\$14,998	2019	4680	5640	Awarded; start delayed
Notes	Partnership: University of Central Florida; Funds part-time Research Assistant and supplies									
Progress	Start delayed pending contract approval by UCF legal.									

Color Code: In progress (Green); Funded but delayed (Yellow); In Review (Red)

Research and Conservation Department Fiscal Year 2019

Proj. #	Project Title	Staff	External Funds?	Funding Type	Source	Funding Amount to FOS	Fiscal Year	Income	Expense	Status
11a	Jensen Beach Impoundment Mangrove Restoration Project	GC	Yes	Competitive Grant	State Wildlife Grant; subcontract from MC	\$4,800	2019	4680	5700	Proposal in review; Notification expected by Feb. 2019
Notes	Partnership: Martin County; JB Impoundment restoration; funds personnel (Research Associate)									
Progress	Awaiting decision from grant committee.									
11b	Jensen Beach Impoundment Restoration IRMA funding	GC	Yes	Competitive FWC IRMA funds	FWC Funds for IRMA recovery; subcontract from MC	\$5,000	2019	4680	5700	Proposal to be submitted Nov. 30; Notification by Jan. 2019
Notes	Partnership: Martin County; JB Impoundment restoration; funds personnel (Research Associate)									
Progress	Anticipated submission is Nov 30.									
12	Multiple Stressors and Mutualism Breakdown- When and where do we find positive effects of the seagrass bivalve interactions?	KT, GC	Yes	Competitive Grant	NSF Biological Oceanography; subcontract from UF	\$25,000	2019-2021	TBD	TBD	Proposal in review; Notification expected by Jan. 2019
Notes	Partnership: University of Florida; Staff time & supplies FOS commitment to restoration in Year 3 (2021)									
Progress	Awaiting decision from grant committee.									

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