

**Oyster Integrated Mapping and Monitoring Program
Workshop Agenda**

**Guana Tolomato Matanzas National Estuarine Research Reserve
505 Guana River Rd, Ponte Vedra Beach, FL 32082
22-23 May 2018**

Goals:

The goals of this workshop include the following:

- Exchange of information regarding oyster mapping and monitoring programs within Florida, including comparison of methodologies and protocols
- Identify duplicate efforts, data gaps, and needs for future oyster mapping, monitoring, and management

Tuesday, May 22nd

Outside food and bagged lunches are welcome, no food is provided.

12:30-1:20 pm Introduction to OIMMP, report updates, and summary of oyster mapping and monitoring data – Ryan Moyer, Kara Radabaugh, and Steve Geiger, FWC
Welcome to GTMNERR – Nikki Dix
FWC oyster mapping compilation – Christi Santi

Attendee Presentations

<u>Time</u>	<u>Presenter</u>	<u>Affiliation</u>	<u>Title</u>
1:20	Melanie Parker	FWC, St. Petersburg	An overview of the FWRI oyster monitoring program
1:45	Eric Milbrandt , Mark Thompson, AJ Martignette	Marine Laboratory Sanibel-Captiva Conservation Foundation	Oyster reef mapping and monitoring to support SW Florida restoration goals

2:00-2:15 pm Break

Attendee Presentations (12 min talk, followed by 2-3 min Q&A)

<u>Time</u>	<u>Presenter</u>	<u>Affiliation</u>	<u>Title</u>
2:15	Katie Davis , Nikkie Cox, Megan Christopher, Jonathan Brucker	FDEP Central Panhandle Aquatic Preserves	NRDA Oyster Cultch Placement Project: Subtidal Oyster Reef Monitoring in Three Panhandle Bays
2:30	Jacob J Berninger , Katie M Konchar, Cameron Bodine	FWC, Panama City	Using Side Scan Sonar to Estimate the Height of Subtidal Oyster Reefs; Does it Work?

2:45	Peter Frederick, Bill Pine, Leslie Sturmer, Steve Beck	University of Florida	Update on the Lone Cabbage Reef Restoration Project in Suwannee Sound
3:00	Natasha Mendez-Ferrer , Chris J Anastasiou	Southwest Florida Water Management District	Oyster reef monitoring and potential enhancement activities on the Florida Springs Coast
3:15	Greg Herbert , Stephen Hesterberg, Thomas Pluckhahn	University of South Florida	Status of Big Bend oyster populations: The view from deep history

3:30-3:45 pm *Break*

Attendee Presentations (12 min talk, followed by 2-3 min Q&A)

<u>Time</u>	<u>Presenter</u>	<u>Affiliation</u>	<u>Title</u>
3:45	Emily Dark , Matthew Anderson	FDEP Indian River Lagoon Aquatic Preserves	Natural oyster reef monitoring in central Indian River Lagoon
4:00	Michael Dickson , Scott Eastman	Northeast Aquatic Preserves/GTMNERR	Applications of unmanned aerial systems for oyster reef mapping in the GTM NERR
4:15	Bryan Locher , Nia R Hurst, Lisa G Chambers	University of Central Florida	How quickly can restored oyster reefs recover biogeochemical properties?
4:30	Iris Fang , Linda Walters, Kelly Kibler	University of Central Florida	A boring future: Impacts of boring sponge on oyster reef restoration

4:45-5:15 pm Conclusions from Day 1

6:30-8:00 pm *Social at Mill Top Tavern* (2nd floor of 19 St. George Street, St Augustine, FL 32084)

Wednesday, May 23rd

Complete travel paperwork for attendees needing reimbursement during break (bring hotel receipts)

8:30-8:45 am Day 2 Introduction

Attendee Presentations (12 min talk, followed by 2-3 min Q&A)

<u>Time</u>	<u>Authors (presenter)</u>	<u>Affiliation</u>	<u>Title</u>
8:45	Gary Raulerson , Serra Herndon, Andy Lykens, Ryan Moyer, Eric Plage, Kara Radabaugh	Tampa Bay Estuary Program	Tampa Bay: Planning for large-scale oyster monitoring
9:00	Damon Moore	Manatee County	A proposed path forward for potential large scale oyster habitat restoration in the Manatee River

9:15	Dan O'Malley	FWC, West Palm Beach	Florida's State Wildlife Grants Program: Oyster Restoration Funding Opportunities
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9:30-10:15 am Breakout groups

10:15-10:30 am Reconvene. Breakout groups report.

10:30-10:45 am *Break*

10:45-11:30 am Breakout groups

11:45-12:00 pm Reconvene. Breakout groups report.

12:00-12:15 pm Workshop Summary – **Steve Geiger**

12:15-12:30 pm Conclusion and future directions

Resources:

Oyster Integrated Mapping and Monitoring Program

<http://ocean.floridamarine.org/OIMMP/>

Coastal Habitats Integrated Mapping and Monitoring Program

Report: <http://myfwc.com/research/habitat/coastal-wetlands/projects/chimmp/>

Workshop presentations and resources: <http://ocean.floridamarine.org/CHIMMP/>

Seagrass Independent Mapping and Monitoring Program

<http://myfwc.com/research/habitat/seagrasses/projects/active/simm/>

FWC GIS data downloads

General: <http://geodata.myfwc.com/>

Oyster layer: <http://geodata.myfwc.com/datasets/oyster-beds-in-florida>

Map view: <http://ocean.floridamarine.org/mrgis>

FDACS Shellfish Harvesting Areas

Winter SHA shapefile download:

<https://www.arcgis.com/home/item.html?id=ac228ede47b04ac0ad69abdc06e3a1f#overview>

Non-Winter SHA shapefile download:

<https://www.arcgis.com/home/item.html?id=6cf9f4ec8edb4dd8949cb23bb591745a#overview>

FDACS site:

<https://www.freshfromflorida.com/Business-Services/Aquaculture/Shellfish-Harvesting-Area-Classification/Shellfish-Harvesting-Area-Maps>

Statewide harvest data

<https://public.myfwc.com/FWRI/PFDM/ReportCreator.aspx>

Oyster Restoration Workgroup

<http://www.oyster-restoration.org/>

<http://www.oyster-restoration.org/participants/participant-signup-page/>

FDEP SEACAR

<https://floridadep.gov/fco/fcmp/content/seacar-goals>

University of Florida aerial photography collection

<http://ufdc.ufl.edu/aerials>

NOAA historical topographic surveys (T-sheets)

<https://shoreline.noaa.gov/data/datasheets/t-sheets.html>

NOAA Gulf of Mexico salinity models

<https://www.ncddc.noaa.gov/website/DataAtlas/atlas.htm?plate=Salinity%20-%20Zones>

Bese-elements: potato starch alternative to plastics for artificial reef construction

<https://www.bese-elements.com/>

Gulf of Mexico Research Initiative: Research database for oil spill research, including oyster impacts

<https://data.gulfresearchinitiative.org/>

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