

# CHIMMP

## Coastal Habitat Integrated Mapping and Monitoring Program

### 2020 CHIMMP Workshop Agenda

12-13 May 2020

#### Goals:

The goals of this workshop include the following:

- Provide mapping, monitoring, and research information regarding salt marshes and mangroves in Florida
- Facilitate communication among coastal wetland researchers and land managers in Florida
- Discuss and collect feedback on gaps and needs for coastal wetland mapping and monitoring

#### Tuesday, May 12<sup>th</sup>

**12:30 pm** Introduction, Adobe Connect orientation, and CHIMMP updates

Ryan Moyer (CHIMMP Principal Investigator), FWC/FWRI

Kara Radabaugh (CHIMMP Coordinator, co-PI), FWC/FWRI

**1:00-1:40 pm** Statewide program presentations:

<u>Time</u>	<u>Authors (presenter)</u>	<u>Presenter affiliation</u>	<u>Title</u>
<b>1:00</b>	<b>Cheryl Hapke</b> , Xan Fredericks, Rene Baumstark, Ryan Druyor, Kim Jackson	University of South Florida College of Marine Science	Florida Coastal Mapping Program (FCMaP): coordinating high resolution mapping of the state's coastal waters
<b>1:20</b>	<b>Anthony Gillis</b>	FWC/FWRI	Florida Landscape Conservation Project - saltwater marsh and mangrove indicator assessment

**1:40-2:00 pm** Group discussion and attendee feedback via <https://www.menti.com/>

**2:00-2:15 pm** 15-minute break

**2:15-3:15 pm** Monitoring presentations:

<u>Time</u>	<u>Authors (presenter)</u>	<u>Presenter affiliation</u>	<u>Title</u>
<b>2:15</b>	<b>Nikki Dix</b> , Pam Marcum, Shannon Dunnigan, Silas Tanner	GTMNERR	Long-term monitoring of coastal wetlands in the Guana Tolomato Matanzas National Estuarine Research Reserve
<b>2:35</b>	<b>Pamela Marcum</b>	GTMNERR	Mangrove distributions along a shore-to-upland gradient in a salt marsh-mangrove ecotone
<b>2:55</b>	<b>Michael Espriella</b> , Vincent Lecours, Peter Frederick, Edward Camp, Benjamin Wilkinson	University of Florida	Using drones to monitor coastal habitats in the Big Bend

**3:15-3:35 pm** Group discussion and attendee feedback via <https://www.menti.com/>

**3:35-3:50 pm** 15-minute break

**3:50-4:50 pm** Restoration presentations:

<u>Time</u>	<u>Authors (presenter)</u>	<u>Presenter affiliation</u>	<u>Title</u>
<b>3:50</b>	<b>Nicole Iadevaia</b> , Jennifer Hecker, Doug Robison, Brett Solomon, Chris Warn, John Kiefer	Coastal & Heartland National Estuary Partnership	Uniting partners and resources to protect central & southwest Florida's water, wildlife, and habitat: Habitat restoration needs plan for the CHNEP area
<b>4:10</b>	<b>Gary Raulerson</b> , Ed Sherwood, Maya Burke, Marcus Beck, Doug Robison, Thomas Ries, Justin Saarinen	Tampa Bay Estuary Program	Tampa Bay Habitat Master Plan: Planning for the next decade of restoration
<b>4:30</b>	<b>Hyun Jung Cho</b>	Bethune-Cookman University	Lessons learned from employing living shorelines at private waterfront properties

**4:50-5:00 pm** Conclusions from Day 1, overview of agenda for Day 2.

### Wednesday, May 13<sup>th</sup>

**9:00-9:10 am** Day 2 welcome

**9:10-10:30 am** Hurricane impact presentations:

<u>Time</u>	<u>Authors (presenter)</u>	<u>Presenter affiliation</u>	<u>Title</u>
<b>9:10</b>	<b>Matthew McCarthy</b> , Frank Muller-Karger, Brita Jessen, Tylar Murray, Jill Schmid, Jessica McIntosh, Marissa Figueroa, Mike Barry	University of South Florida College of Marine Science	Gulf-wide high-resolution automated wetland mapping and hurricane damage assessment
<b>9:30</b>	<b>Danielle Ogurcak</b> , Michael Ross	Florida International University	Effects of rising seas and recent hurricanes on coastal wetlands in the lower Florida Keys
<b>9:50</b>	Kara Radabaugh, <b>Ryan Moyer</b> , Kristen Joyse, Amanda Chappel, Emma Dontis, Christine Russo, Audrey Goeckner, Scott Adams, Melissa Bownik, Megan Osgood, Nicole Khan	FWC/FWRI	Mangrove damage, delayed mortality, and early recovery following Hurricane Irma at two landfall sites in Southwest Florida
<b>10:10</b>	<b>Andrew From</b> , Ken Krauss, Caroline Rogers	USGS	Hurricanes and mangroves: Structural impacts of Hurricanes Irma and Maria on the unique mangrove resources of St. John, U.S.V.I.

**10:30-10:50 am** Group discussion and attendee feedback via <https://www.menti.com/>

**10:50-11:05 am** 15-minute break

**11:05-11:45 am** Blue carbon and peat presentations

<u>Time</u>	<u>Authors (presenter)</u>	<u>Presenter affiliation</u>	<u>Title</u>
<b>11:05</b>	<b>Emma Dontis</b> , Kara Radabaugh, Amanda Chappel, Christine Russo, Ryan Moyer	Pinellas County (research completed at FWC/FWRI)	Carbon storage increases with site age as created salt marshes transition to mangrove forests in Tampa Bay, Florida
<b>11:25</b>	<b>Kara Radabaugh</b> , Emma Dontis, Amanda Chappel, Christine Russo, Ryan Moyer	FWC/FWRI	Vegetative stress and early indicators of peat collapse in mangrove forests with altered hydrology in Tampa Bay, Florida

**11:45 am-12:00 pm** Wrap-up and workshop conclusion

**Resources:**

**Coastal Habitat Integrated Mapping and Monitoring Program:**

CHIMMP report: <https://myfwc.com/research/habitat/coastal-wetlands/projects/chimmp/>

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

**Oyster Integrated Mapping and Monitoring Program:**

OIMMP report: <https://myfwc.com/research/habitat/coastal-wetlands/projects/oimmp/>

OIMMP workshop presentations and resources: <http://ocean.floridamarine.org/OIMMP/>

**Statewide maps**

Mangrove habitat in Florida <http://geodata.myfwc.com/datasets/mangrove-habitat-in-florida>

Salt marshes in Florida <http://geodata.myfwc.com/datasets/salt-marshes-in-florida>

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

Cooperative Land Cover Map <https://myfwc.com/research/gis/applications/articles/cooperative-land-cover/>

**Seagrass Integrated Mapping and Monitoring Program:**

SIMM Report: <https://myfwc.com/research/habitat/seagrasses/projects/active/simm/simm-reports/>