

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 12th

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>
1:00	Cheryl Hapke , 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
1:20	Anthony Gillis	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>
2:15	Nikki Dix , Pam Marcum, Shannon Dunnigan, Silas Tanner	GTMNERR	Long-term monitoring of coastal wetlands in the Guana Tolomato Matanzas National Estuarine Research Reserve
2:35	Pamela Marcum	GTMNERR	Mangrove distributions along a shore-to-upland gradient in a salt marsh-mangrove ecotone
2:55	Michael Espriella , 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>
3:50	Nicole Iadevaia , 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
4:10	Gary Raulerson , 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
4:30	Hyun Jung Cho	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 13th

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>
9:10	Matthew McCarthy , 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
9:30	Danielle Ogurcak , Michael Ross	Florida International University	Effects of rising seas and recent hurricanes on coastal wetlands in the lower Florida Keys
9:50	Kara Radabaugh, Ryan Moyer , 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
10:10	Andrew From , 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

Time	Authors (presenter)	Presenter affiliation	Title
11:05	Emma Dontis, 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
11:25	Kara Radabaugh, 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/>