



Marine Resources Education Program - Southeast *Update*

SAFMC June Meeting

June 17, 2016

Partners:

Gulf of Maine Research Institute

NOAA Fisheries

South Atlantic Fishery Management Council

Gulf of Mexico Fishery Management Council

Caribbean Fishery Management Council

Marine Resources Education Program (MREP)

- Gulf of Maine Research Institute
 - Administrative partner and facilitator



- Workshop-based Program
 - Fisheries Science
 - Fisheries Management

“A program developed by fishermen for fishermen”



MREP Goals

- *Bring fishermen, scientists and managers together in a neutral setting outside the regulatory process.*
- *Increase the number of people at work in the region's fisheries who are comfortable working with the fishery data and management systems.*
- *Help policy makers and scientists become more familiar with the inner working of the fishing community.*
- *Increase the number of fishermen involved in collaborative research and pursuit of best available science.*
- *Develop leadership and promote trust.*



MREP Southeast

- **Funding Began in 2012**
 - Start up funding secured by GMRI through NMFS, NFWF
- **Workshops 2013 – 2016**
- **Steering Committee**
 - Provides ongoing program direction and evaluation



2016 MREP Southeast Workshops

- **Science Workshop**

- St. Petersburg, FL – FWC FWRI
- April 19-21, 2016

- **Management Workshop**

- Tampa, FL
- October 4-6, 2016



MREP Southeast 2016:

Participants

- Publicized in early 2016 by GMRI via:
 - Steering Committee
 - Post card mailings to permit holders
 - Councils
 - Website announcement
 - Post card distribution
 - MREP SE Website



Intro to Fishery Science Workshop

- **Held April 19-21, 2016**
- **FWC – Fish and Wildlife Resources Institute**
- **30 Participants from Gulf and South Atlantic:**
 - Recreational fishermen
 - Charter/for-hire
 - Commercial fishermen
 - Industry representatives



MREP Southeast Science Workshop Participants 2016



Science Workshop Curriculum

- **Sampling and Survey Methods**
 - Fishery Dependent and Fishery Independent Data
- **Stock Assessments**
 - Data Collection and analysis



Science Workshop Curriculum

- **Population Biology**

Rotate Stations at FWRI

- **Wet Lab**
- **Age and Growth**
- **Sampling Gear**



Wet Lab – Aging and Otoliths



Otolith and Gonad Collection, Sampling Gear and Techniques



2016 MREP Southeast Fisheries Management Workshop October 4-6, 2016



MREP Steering Committee

- Meeting in San Juan PR - September 2015
- Program Review
- Curriculum Review
- Recommendations



Evaluations

- Evaluations are distributed at the end of each workshop
- Evaluations continue to be positive
 - Instructors ranked highly
 - 2016 Science Workshop highest ranking to date!

Marine Resource Education Program
St. Petersburg, Florida
April 2 – 4, 2013

Evaluation Questionnaire

Please take a few moments to provide feedback on the Science Workshop. Your comments and suggestions are greatly appreciated and will help to ensure that we can continue to improve and evolve the program.

1. Please rate how valuable the following portions of the program were in enhancing your overall understanding and knowledge of fisheries science, based on a scale of 1 to 5 (1 = not valuable, 5 = very valuable). Circle your answer for both the content, and the presenter's ability to communicate the content.

	Part 1: Content Rating	Part 2: Presenter Rating
DAY 1 - Tuesday		
Sampling and Survey Overview (Lutz Barbieri)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
Fishery Dependent Data Collection (Gordon Colvin)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
Population Biology Introduction (John Carmichael)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
FWRI Labs/Stations 1. Reproductive Biology Lab	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
FWRI Labs/Stations 2. Age & Growth Lab	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
FWRI Labs/Stations 3. Sampling gear	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
FWRI Labs/Stations 4. Research vessel Tour	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
DAY 2 - Wednesday		
Stock Assessment Overview - SEDAR (John Carmichael)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
Stock Assessment Modeling (Clay Porch)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
Bycatch Reduction Technology (John Mitchell)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
Conservation Engineering & Gear (Steve Theberge)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
Cooperative Research (Frank Helles)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
DAY 3 - Thursday		
Oceanography Overview (Mandy Karnauskas)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
Ecosystem Based Management (Steve Murawski)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>



2016 MREP Evaluations

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- *“I like how fishermen were moderating the session rather than scientists, managers, etc.”*
- *“I realize now the value of reporting accurate information to the government is vital to the process of stock assessments”*
- *“I met and interacted with many participants from every sector. We educated and informed each other and hope for better interaction.”*



2016 MREP Evaluations

- *“12 years since I left my career behind to focus on fisheries management advocacy. This is the best thing I have yet to do. If this had run me a couple hundred dollars for ‘tuition’, I would have felt I got my money’s worth.”*
- *“This is such a valuable program. Fisheries management is better understood through this lens.”*



What's Next

- **Steering Committee**
 - Continue review of program objectives and priorities
 - Evaluation
 - Follow up
- **Program Expansion**
 - West Coast
 - Council Vision Project Support





Questions?

Additional Program Information

www.gmri.org



South Atlantic Fishery Management Council