



# **Marine Resource Education Program - Southeast *Update***

**Information and Education Advisory Panel Meeting**  
November 2-3, 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 Resource Education Program (MREP)

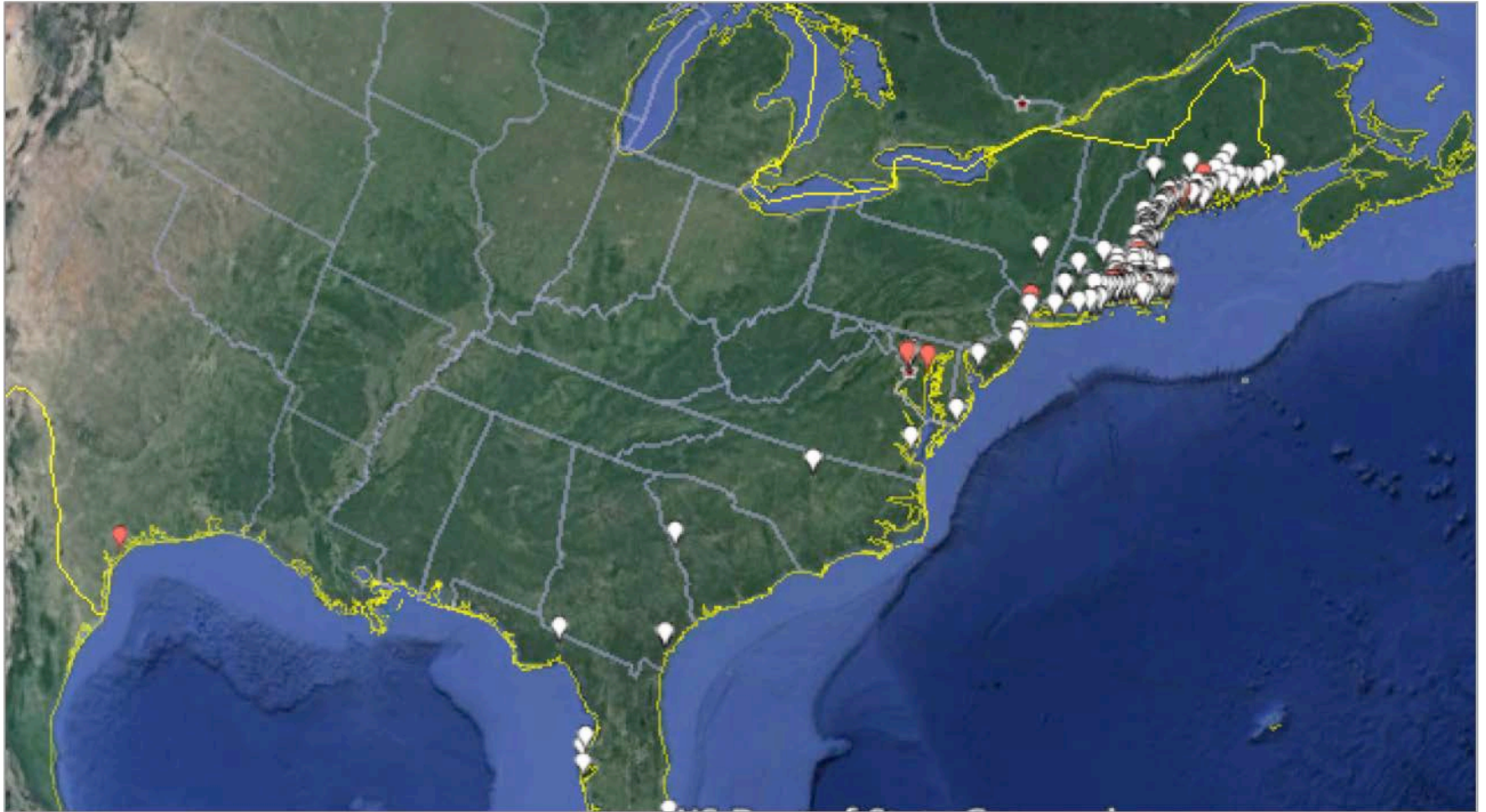
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- Gulf of Maine Research Institute
  - Administrative partner and facilitator
- Workshop-based Program
  - Fisheries Science
  - Fisheries Management

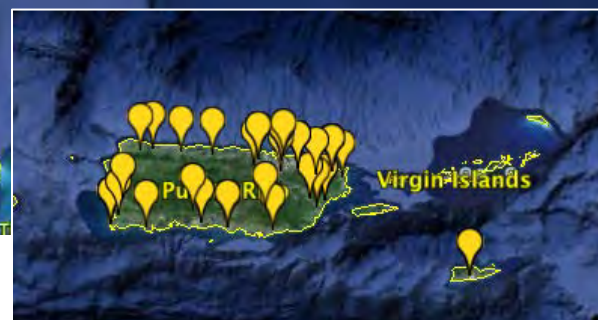
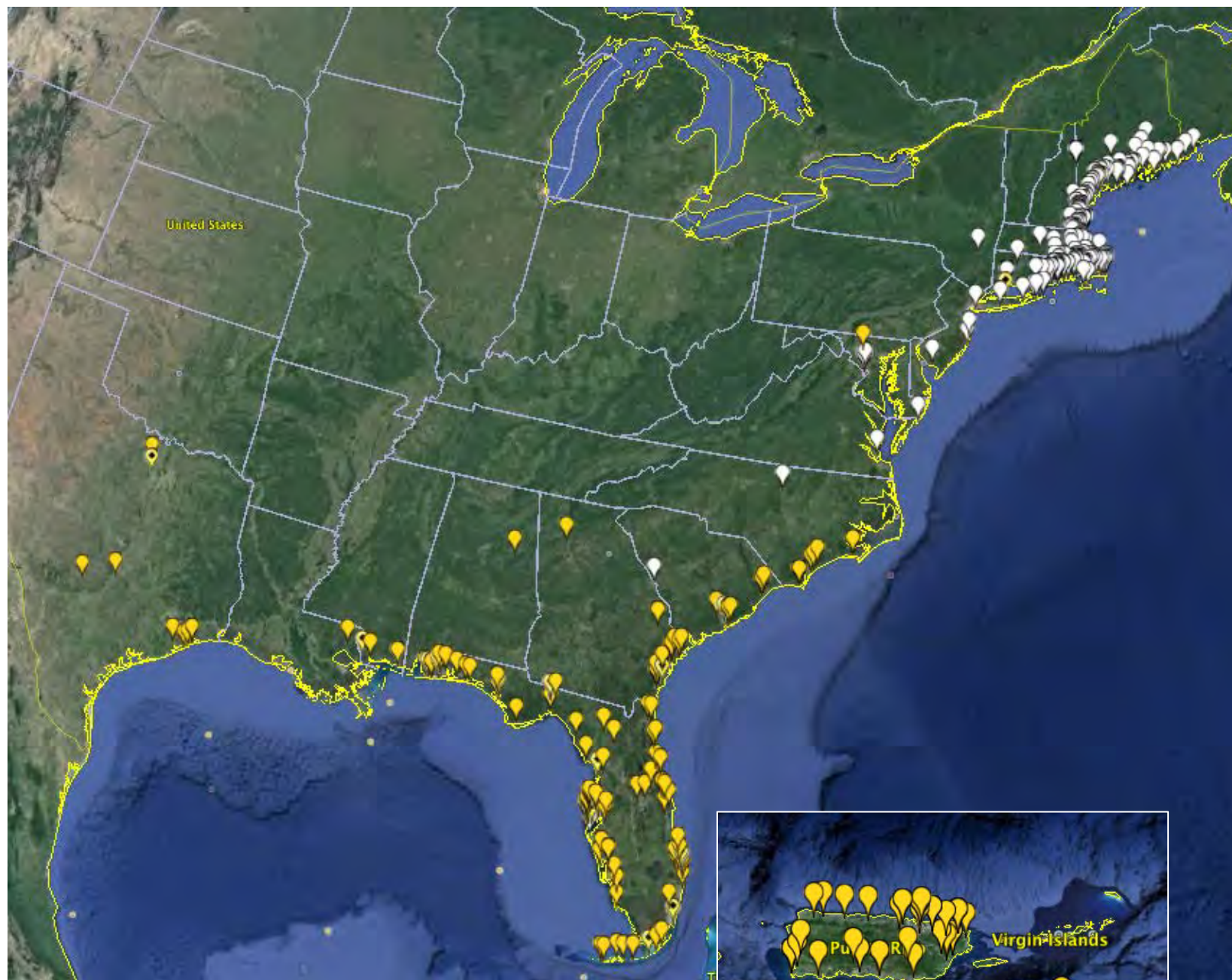


*“A program developed by fishermen for fishermen”*









# MREP Steering Committee

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



# 2016 MREP Southeast Workshops

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- **Science Workshop**

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

- **Management Workshop**

- Tampa, FL
- October 4-6, 2016





# MREP Southeast 2016:

## *Participants*

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- 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

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- **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

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- **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





# Management Topics

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- Science Overview
- Magnuson-Stevens Act
- Council Process
- Overview of Federal Management
- The Role of the NMFS Southeast Regional Office
- **Case Study/Role Playing**
- Law Enforcement
- How to Get Involved
- Panel Discussion
  - NOAA Fisheries Regional Administrator
  - Council Executive Directors




# 2016 Management Workshop




# Evaluations

- Distributed at the end of each workshop
- Continue to be positive
  - Instructors ranked highly
  - 2016 Science Workshop highest ranking to date!
- Reviewed by Steering Committee
  - Used for program modifications

**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
<b>DAY 1 - Tuesday</b>		
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>
<b>DAY 2 - Wednesday</b>		
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 Helies)	1 2 3 4 <u>5</u>	1 2 3 4 <u>5</u>
<b>DAY 3 - Thursday</b>		
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 Meeting Nov. 9-10, 2016**
  - Continue review of program objectives and priorities
  - Evaluation
  - Follow up
- **Continued Funding and Council Support**

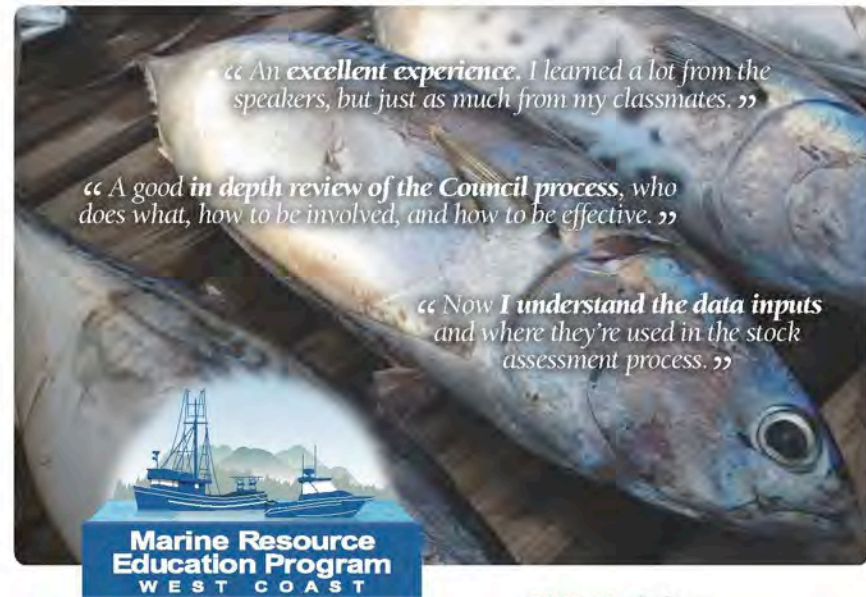




# *New for 2016!*

## MREP West Coast

- Workshops  
Scheduled for 2016
- Santa Cruz, CA and  
Portland, OR
- West Coast Reps  
Attended MREP  
Southeast  
Workshops



The Marine Resource Education Program (MREP) provides fishermen, and others with an interest in productive fisheries, an opportunity to learn how the federal fishery science and management processes are applied in the Pacific region. The MREP West Coast workshops are tailored specifically to the region and bring together commercial, charter, and recreational fishermen with scientists, managers, and other marine resource professionals to learn the processes, share their insights, and network in a neutral and professional setting. Participants leave the program empowered and better prepared to be a voice in federal fisheries management. The 2016 workshop dates and locations are on the right.

Applications will be reviewed in July 2016. Selected participants will be notified by phone and email. Meals and accommodations are provided during the workshops, and travel support is available for most applicants.

For questions about the program please call **Alexa Dayton** at (207) 228-1645, or workshop moderators: **Bob Dooley**, Commercial Fisherman at (650) 619-4713 or **Dan Wolford**, Recreational Fisherman at (408) 656-1524.

### 2016 Workshops

**Fisheries Science Workshop**  
August 30 – September 1, 2016  
Hotel Paradox  
611 Ocean Street, Santa Cruz, CA

**Fisheries Management Workshop**  
October 18 – 20, 2016  
Marriott Waterside  
1401 SW Naito Parkway, Portland, OR

Applications can be completed at [www.gmri.org/mrepwest](http://www.gmri.org/mrepwest) or you can call **Chris McHan** at (207) 228-1684 to submit your application over the phone.

Seating is limited, apply today!



# *How do I get involved??*









## *Questions?*

Applications for 2017 available from the MREP Southeast website:

**[www.gmri.org](http://www.gmri.org)**

