

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

Gulf of Maine Research Institute

Science. Education. Community.

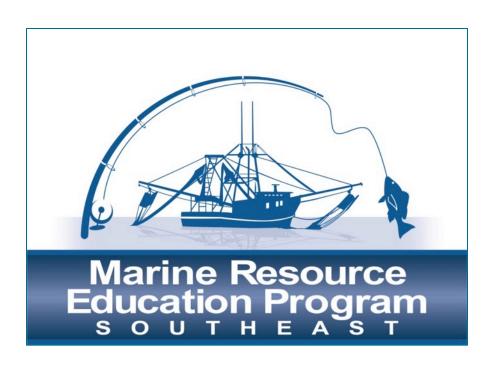
"A program developed by fishermen for fishermen"

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.

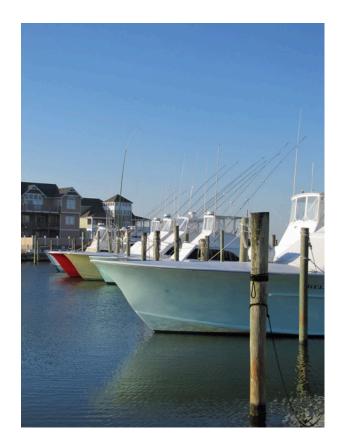
MREP Southeast

- 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 19-121, 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 St. Peters April 2	Educatio sburg, Florida 2 - 4, 2013		ro	grar	n	1		2	N.
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Gulf of Maine	Questionnal	re			. 1	Marin	e Re	SOUT	ce
Research Institute					1	Educat	ion P	rogi	am
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ease take a few moments to provide feedback o e greatly appreciated and will help to ensure that	at we can con	ntinu	e to	impr	ove an	d evolve	the pr	ogra	m.
Please rate how valuable the following portion derstanding and knowledge of fisheries science	ons of the pr	ograt	nw	ere ir	cnhan = 1	cing you	r over	rall	-
derstanding and knowledge of fisheries science luable). Circle your answer for both the content	t, based on a	scal	er's	abili	ty to cc	mmunic	ate th	e cor	ntent.
name). On the your answer too boar the contain	Part 1: Content Rating Part 2: Presenter Rating								
	Part	1: C	ont	ent F	lating	Part 2:	Pres	enter	Rating
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Sampling and Survey Overview (Luiz Barbieri)	1	2	3	٢	5	. 1	2	3	43
Fishery Dependent Data Collection (Gordon Colvin)	1	2	3	1	5	1	2	3	4 5
Population Biology Introduction (John Carmichael)	1	2	3	1	5	1	2	3	4 5
FWRI Labs/Stations 1. Reproductive Biology Lab	1	2	3	4	0	1	2	3	4 3
FWRI Labs/Stations 2. Age & Growth Lab	1	2	3	4	5	1	2	3	4 3
FWRI Labs/Stations 3. Sampling gear	1	2	3	4	6	1	2	3	4 3
FWRI Labs/Stations 4. Research vessel Tour	1	2	3	4	O	1	2	3	46
DAY2 - Wednesday	0.0000000	1	175	10052	CHARTE	1234.24	12.2		Is a fair 1
Stock Assessment Overview - SEDAR (John Carmichael)	1	2	3	A	>5	1	2	3	4 3
Stock Assessment Modeling (Clay Porch)	1	2	3	4	6	1	2	3	4 0
Bycatch Reduction Technology (John Mitchell)	1	2	3	4	5	1	2	3	4 3
Conservation Engineering & Gear (Steve Theberge)	1	2	3	A) 5	1	2	3	4 3
Cooperative Research (Frank Helies)	1	2	3	4) 5		2	3	€ 5
DAY 3 - Thursday	Station of	738	1.5	12.8	10733	9.4.20	102	E.S.	12.4.5
Oceanography Overview (Mandy Karnauskas)	1	2	3	4	0		1 2	3	4 3
Ecosystem Based Management	1	2	3	4	(5)		1 2	3	4 5

2016 MREP Evaluations

- *"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

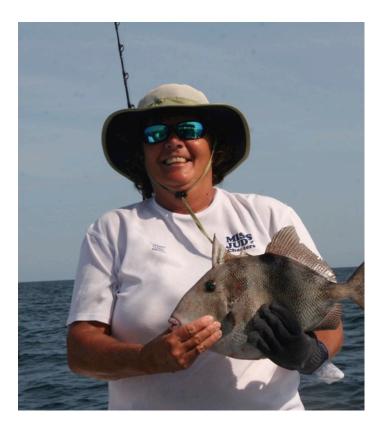
- "12 years since I left my career behind to focus on fisheries management advocacy. This is the best thing I have yet to do. If this had run me a couple hundred dollars for 'tuition', I would have felt I got my money's worth."
- *"This is such a valuable program. Fisheries management is better understood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

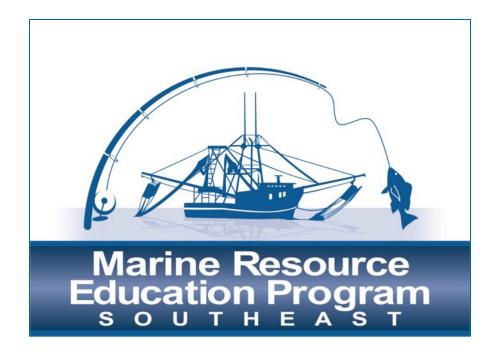


What's Next

• 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