



# Northeast Area Monitoring and Assessment Program (NEAMAP)



Nicole Lengyel Costa (RI DEM, Chair)  
ISFMP Policy Board  
October 25, 2018



# Outline



- Overview
  - What is NEAMAP?
  - Data Uses
  - Surveys
- Program Activities
- Program Structure
- Mission, Goals, and Objectives
- Funding
- Next steps



# What is NEAMAP?



NEAMAP is a cooperative state/federal program facilitating fishery-independent data collection, analysis & dissemination in the Northeast area (Maine – North Carolina).

## Current NEAMAP Surveys:

- Southern New England/Mid-Atlantic Nearshore Trawl Survey (VIMS)
- Maine-New Hampshire Inshore Trawl Survey
- Massachusetts Division of Marine Fisheries Bottom Trawl Survey



# What is NEAMAP?



## NEAMAP Partners

- State marine fishery agencies from ME to NC + DC
- ASMFC, PRFC, NEFSC, NEFMC, MAFMC, USFWS

## SEAMAP Collaboration

- Advice from a programmatic & process standpoint
- Collaborations on technical workshops



## Data incorporated into stock assessments for:

### ASMFC species

- American Lobster
- Atlantic Croaker
- Atlantic Menhaden
- Atlantic Sturgeon
- Black Sea Bass
- Bluefish
- River Herring
- Scup
- Spot
- Summer Flounder
- Weakfish
- Winter Flounder

### Other species

- Atlantic Cod
- Atlantic Mackerel
- Butterfish
- Haddock
- Longfin Squid
- Monkfish
- Pollock
- White Hake
- Windowpane Flounder





# NEAMAP Data Uses



- Data use in stock assessments:
  - Indices of abundance used in models
  - Fecundity
  - Length-weight relationships
  - Size or age composition outside the fishery
  - Stock structure in areas where the fishery doesn't operate
  - Shifts in distribution not apparent within the fishery



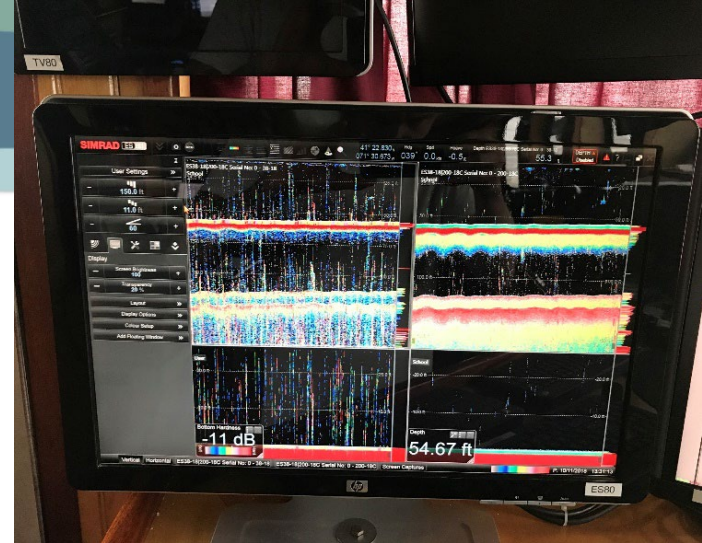
# SNE/MA Survey

Coastal trawl survey from Cape Hatteras, NC to Cape Cod, MA, began in 2006

142 Species encountered in 2017, with **spot**, **scup**, **weakfish**, **Atlantic croaker**, and **bluefish** in the top 20 species by count

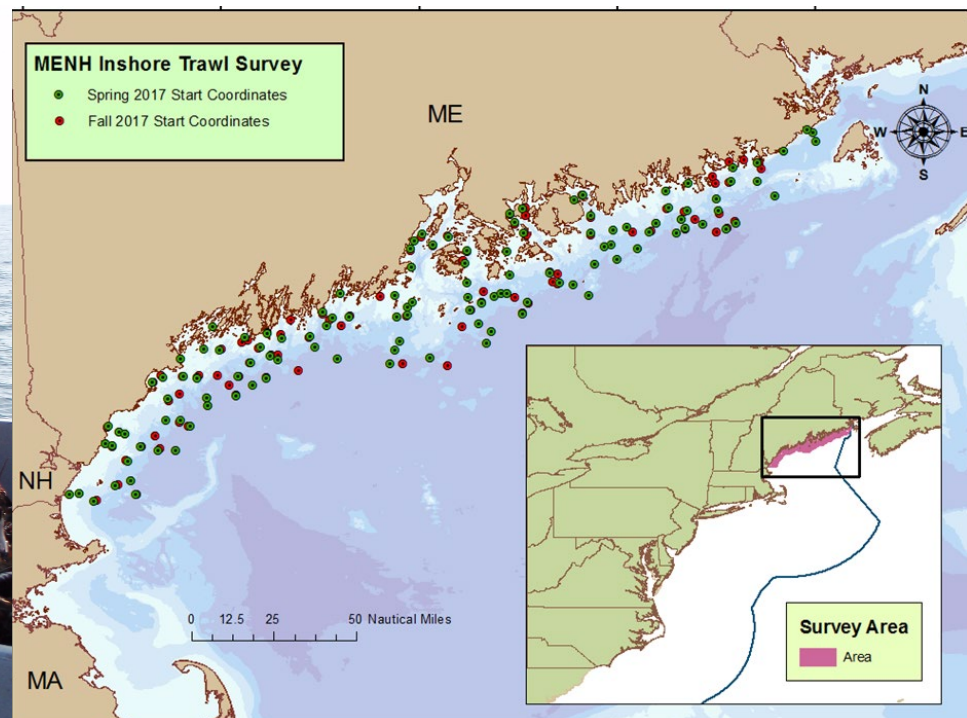
## 2018 New Technology:

- Simrad ES80 bioacoustic system added to the *F/V Darana R*
  - Collaborating with NEFSC to analyze data
  - End goal: use data to generate biomass estimates
- Seabird SBE 25-plus unit added to the survey
  - measures depth, water temperature, salinity, dissolved oxygen concentration, pH, photosynthetically active radiation, chlorophyll-a, and turbidity



## Inshore trawl survey of ME & NH coasts, since 2000

- seasonal time series of abundance for >25 species of fish & invertebrates
- 2017 season higher successful tow rate <- higher cooperation from fixed gear fishery
- 92 species encountered







# MADMF Survey

## Trawl survey of MA state waters since 1978

- 195 unique species
- **Scup, spiny dogfish, and winter flounder** in top 10 by count & weight
- Fall 2018 survey caught 1<sup>st</sup> harvest fish & stargazer in survey history
- Switching to Fisheries Scientific Computer System 2.0 (from FSCS 1.6) for the 2019 spring survey





# NY Survey

## New trawl survey in NY inshore waters, started in Fall 2017

- Scup, summer flounder, spiny dogfish, black sea bass, horseshoe crab & winter flounder in top 20 species by weight
- 85 species encountered



- Fixed gear interactions
- Offshore wind siting
- Long-term funding with increased operational cost





# Program Activities



- Survey Methods Workshops
  - 2013 Onboard Data Processing Workshop
    - Survey leads from across the NEAMAP region
  - 2015 Catch Processing Workshop
    - Hosted by SEAMAP-SA in Charleston, SC
    - Survey leads from NEAMAP & SEAMAP-SA regions
  - **2019 Maturity Staging Workshop**
    - Potential collaboration with SEAMAP





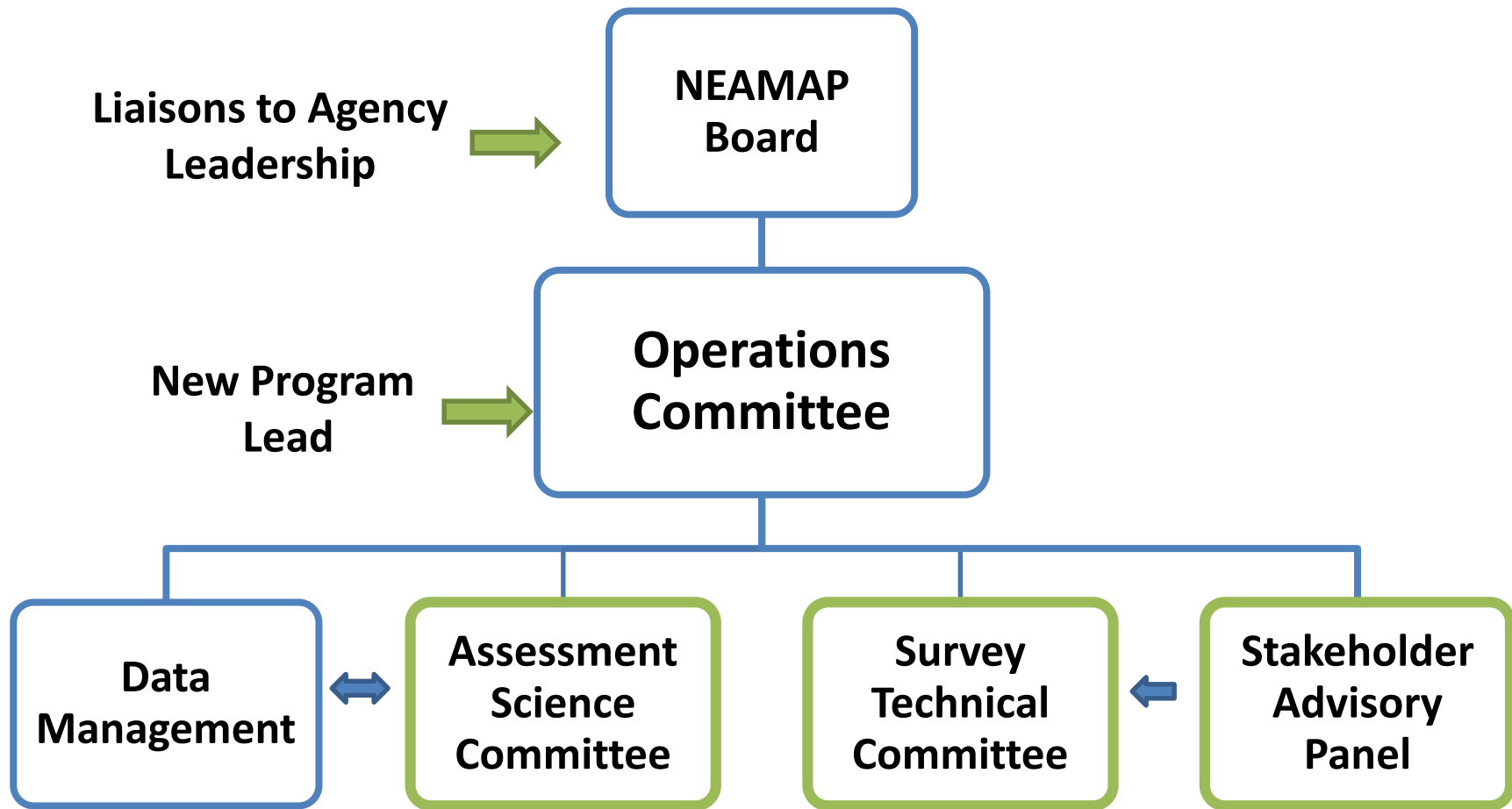
# Program Activities



- NEAMAP Summit held Jan 31- Feb 1, 2018
  - Revised Program Structure & Committee roles
  - Program visioning & development of Program tasks
  - Increased focus on improving NEAMAP data utility
  - Efforts to incorporate new & emerging technologies
- SEAMAP Joint Annual Meeting, July 24-26, 2018
  - Jim Gartland served as NEAMAP liaison
- Operations Committee call, Sep 20, 2018
  - Follow up from Summit & planning for 2019



# New NEAMAP Structure





# Revised Mission & Goals



NEAMAP's mission & goals were revised to reflect the **shift from design and implementation to enhanced coordination and methodology.**

- Revised goals & objectives address:
  - Collection and analysis of FI data to support assessments and management
  - Enhancing coordination among FI surveys
  - Promoting use and dissemination of FI data
  - Identifying and prioritizing short and long term needs
  - Securing funding to support NEAMAP activities



# Short- and Long-term Funding



## Maine-New Hampshire Inshore Trawl Survey

- 2016-present: Funded by NMFS via ASMFC to Maine DMR
- Full, level funding for 2018 and 2019
- Funding shortfalls possible for out years (-\$50K to \$150K)

## Massachusetts Bottom Trawl Survey

- Funded by Wallop-Breaux/Sportfish Restoration
- Fully funded for 2018 and beyond

## SNE/Mid-Atlantic Trawl Survey

- 2015-present: Funded by NEFSC via ASMFC to VIMS
- Full, level funding for 2018 and 2019
- Funding shortfalls possible for out years (-\$200K to -\$300K/yr)





# Next Steps



- Survey Technical Committee conference call Nov. 15
- Assessment Science Committee engagement on summit action items Fall/Winter 2018
- Operations Committee call in early 2019
- NEAMAP Annual Meeting in early 2019
- 2019 Maturity Staging Workshop
- NEAMAP Outreach, including waterfront festivals
- Continued re-population of committees & work on Committee action items



Photo credit: MADMF



Photo credit: MEDMR



Photo credit: MADMF



Photo credit: VIMS



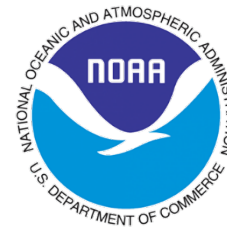
Photo credit: MADMF



**Questions???**



# NEAMAP Partners





# Habitat Committee Report

Presentation to ASMFC Policy Board

October 25<sup>th</sup>, 2018

# Fall In-Person Meeting



- Will be held Nov. 14<sup>th</sup> in Newburyport, MA
- *Will provide summary at Winter 2019 meeting*

# Living Shorelines Factsheet



- 2010: ASMFC published *Living Shorelines: Impacts of Erosion Control Strategies on Coastal Habitats*
- Since then, growing body of literature and lessons learned
- Habitat Committee wanted to produce a brief 2-page factsheet to supplement the 2010 document

# Living Shorelines Factsheet



- Factsheet not exhaustive
- Two-pager features background information, links to websites for more information, and lessons learned
- Also will contain link to more information housed on ASMFC website: case studies, further reading (reports and publications)
- Provided in supplemental materials for Board approval



# Questions?





# Report to the Atlantic States Marine Fisheries Commission

ISFMP Policy Board

October 25<sup>th</sup>, 2018



# FY2019 NFHP-USFWS Funding

- Received nine proposals
- Seven fish passage projects
- Two shellfish/SAV/tidal vegetation projects
- North Atlantic, Mid-Atlantic, South Atlantic
- More information on selection at Winter 2019 meeting





**ACFHP would like to  
thank ASMFC for your  
continued operational  
support**

**Questions?**

**Long-Term Benchmark Assessment and Peer Review Schedule (Revised September 2018)**

Species	2012	2013	2014	2015	2016	2017		2018	2019	2020	2021
American Eel	ASMFC					Update					
American Shad									ASMFC		
American Lobster				ASMFC						x	
Atlantic Croaker						ASMFC					
Atlantic Menhaden	Update		SEDAR			Update			SEDAR		
Atlantic Sea Herring	SARC 54			Update				SARC-Spring			
Atlantic Striped Bass		SARC 57		Update	Update			SARC-Fall			
Atlantic Sturgeon						ASMFC					
Black Drum			ASMFC						x		
Black Sea Bass	Update	Update	Update	Update	SARC- Fall	Update		Update	Operational*	Update	
Bluefish	Update	Update	Update	SARC-Spring	Update	Update		Update	Operational*	x	
Cobia									SEDAR		
Horseshoe Crab		Update							ASMFC		
Menhaden ERPs	Update		Update						SEDAR		
Northern Shrimp	Update	Update	SARC-Spring	Update	Update	Update		ASMFC	Update	Update	
Red Drum				SEDAR							x
River Herring	ASMFC					Update					
Scup	Update	Update	Update	SARC-Spring	Update	Update		Update	Operational*		
Spanish Mackerel	SEDAR 28									SEDAR	
Spiny Dogfish	Update	Update	Update	Update	Update	Update		Update	Update	Update	
Large Coastal Sharks					SEDAR	SEDAR					
Small Coastal Sharks		SEDAR									
Spot						ASMFC					
Spotted Seatrout				VA/NC	FL						
Summer Flounder	Update	SARC 57	Update	Update	Update	Update		SARC-Fall	Update	Update	
Tautog					ASMFC						x
Weakfish					ASMFC				Update		
Winter Flounder			Update	Update		Update					

Note all species scheduled for review must be prioritized by management boards and Policy Board.

**Additional Notes:**

- BSB, Bluefish, Scup      \*Spring 2019 operational assessments with new MRIP data (April 2019)
- Cobia                      Stock Structure review Summer 2018, then benchmark assessment in 2019
- Large Coastal Sharks    2017 SEDAR for sandbar shark
- Spotted Seatrout        States conduct individual assessments

- SEDAR Peer Review
- ASMFC Peer Review
- Fall SARC Review (November)
- Spring SARC Review (June)
- x = 5 year trigger date or potential review
- Completed

*Italics = under consideration, not officially scheduled*