A close-up photograph of an Atlantic Cod fish, showing its head, eye, and scales. The fish is light-colored with a yellowish tint and a prominent white stripe along its side. The background is a dark, textured surface, possibly a rock or the seabed.

# Atlantic Cod Stock Structure - Management Workshops

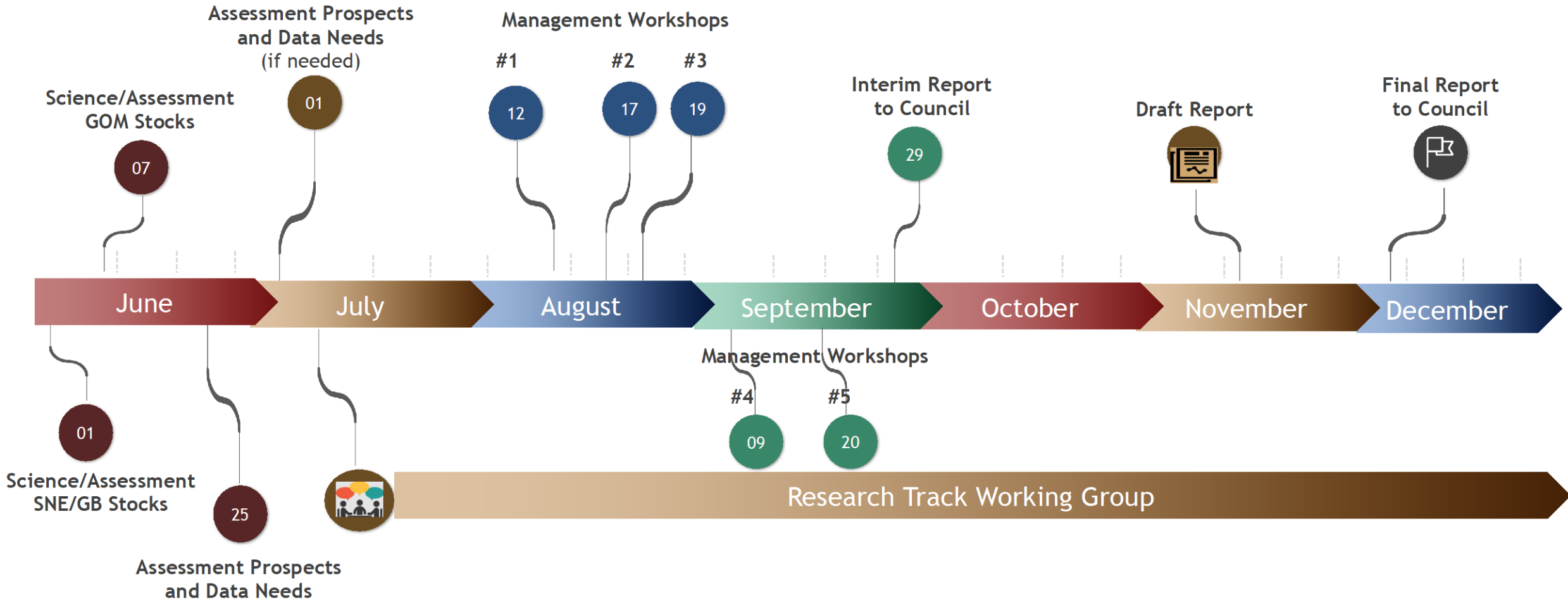
## *#3 - Gathering Regional Perspectives from Gulf of Maine East & West*

**August 19, 2021**

**1:00 PM – 3:00 PM**

*Photo credit: NOAA Fisheries*

# 2021 Atlantic Cod Stock Structure Workshop Timeline



# Management Workshop Series

## Last Thursday, August 12

- **Setting the Groundwork:** 1pm-3pm

## Tuesday, August 17

- **Gathering Regional Perspectives from Southern New England and Georges Bank East & West**

## Today, August 19

- **Gathering Regional Perspectives from Gulf of Maine East & West:** 1pm-3pm

## Thursday, September 9

- **Focusing on Recreational Fishing Perspectives:** 2pm-4pm (later start time)

## Monday, September 20

- **Evaluating Tradeoffs to Adjusting Management Measures:** Monday, September 20, 1pm-3pm (may extend)

# Management Workshop #1 Review

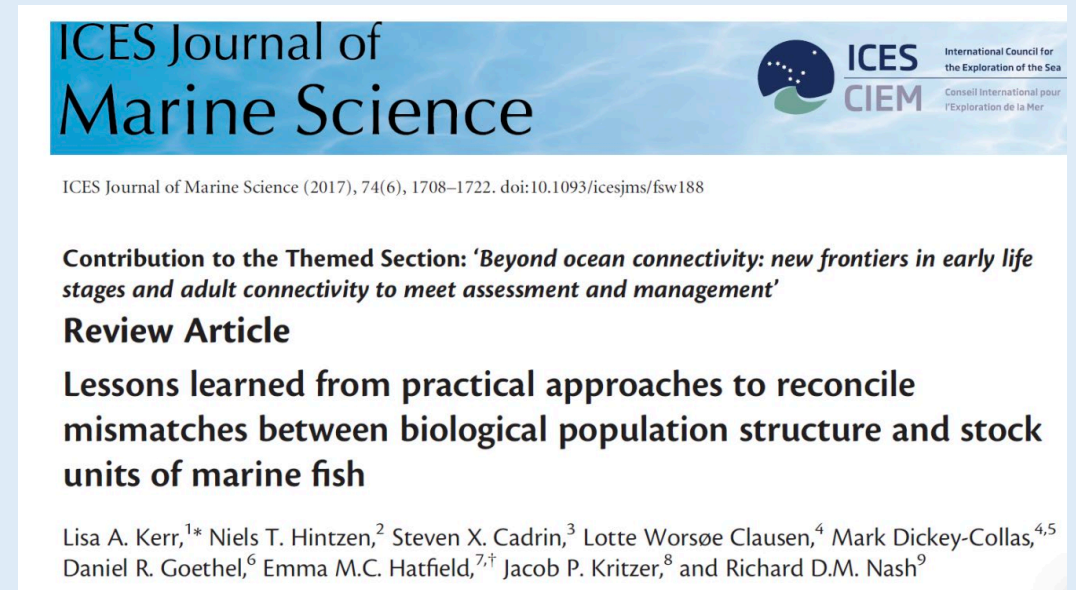
## Setting the groundwork:

- Brief Overview of Science/Assessment Workshops
- Understanding Existing Atlantic Cod Management
- Considering *Example* Management Approaches
  - Revising management boundaries
  - Adaptive sampling and monitoring
  - Mixed stock area-based catch limits
  - Re-allocation
  - Additional spawning closures

# Management Workshop #1 Review

## Setting the groundwork:

- Kerr et al. 2007, N. Atlantic examples/approaches
  - status quo management
  - “weakest link” management
  - spatial and temporal closures
  - stock composition analysis
  - alteration of stock boundaries



# Management Workshop #1 Review

## Some discussion themes:

- Different management tools may be appropriate for different areas based on data available.
- Altering management boundaries does not necessarily mean changing from 2 stocks to 5 stocks:
  - Potential option for an “in between” scenario that is a better fit for the biological structure than the current management, even if it does not fully align with the 5 biological populations.

# Management Workshop #2 Review

## Southern New England and Georges Bank East and West

### Some discussion themes:

#### 1. *Additional spawning closures for fisheries*

- Must be focused and targeted
- Must monitor effectiveness (research)
- Question: Have existing spawning closures been successful?
- May have differential impact in the fishery

#### 2. *Gear options to avoid or catch cod*

- Conceptually very attractive, research time con
- Switching can be expensive for fishermen
- Several gear options already developed (Ruhl, ULOT, haddock separator, etc.)

#### 3. *Additional trip reporting requirements for fisheries*

- Need better spatial resolution in recreational catch reporting

# Navigational Aids

- All options on the table – no decisions being made.
- Encourage broad participation – especially from folks who often have limited time to share ideas.
- We are all here to learn – both questions and ideas welcome.
- Share the floor.
- Be respectful.
- Focus on task at hand.



# Today's Agenda

- 1:00 Welcome and Introductions
- 1:10 Review of Goals and Objectives of Cod Stock Structure Workshop Series & Brief Outline of Existing Atlantic Cod Management in the Gulf of Maine
- 1:30 How to Consider Winter & Spring Spawning in the Gulf of Maine
- 1:45 Considering Additional Fisheries Management Options & Tradeoffs
- 2:50 Wrap-up & Next Steps
- 3:00 Adjourn

# Atlantic Cod Stock Structure Goals & Objectives

Jamie Cournane, NEFMC

# Management Workshop Series

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# For More Information

<https://seagrant.unh.edu/2021-atlantic-cod-stock-workshops>

## Management Questions or Input

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