A close-up photograph of an Atlantic Cod fish, showing its head, eye, and scales. The fish is positioned horizontally across the top half of the slide, with its head on the right side. The background is a dark blue, suggesting an underwater environment.

Atlantic Cod Stock Structure - Management Workshops

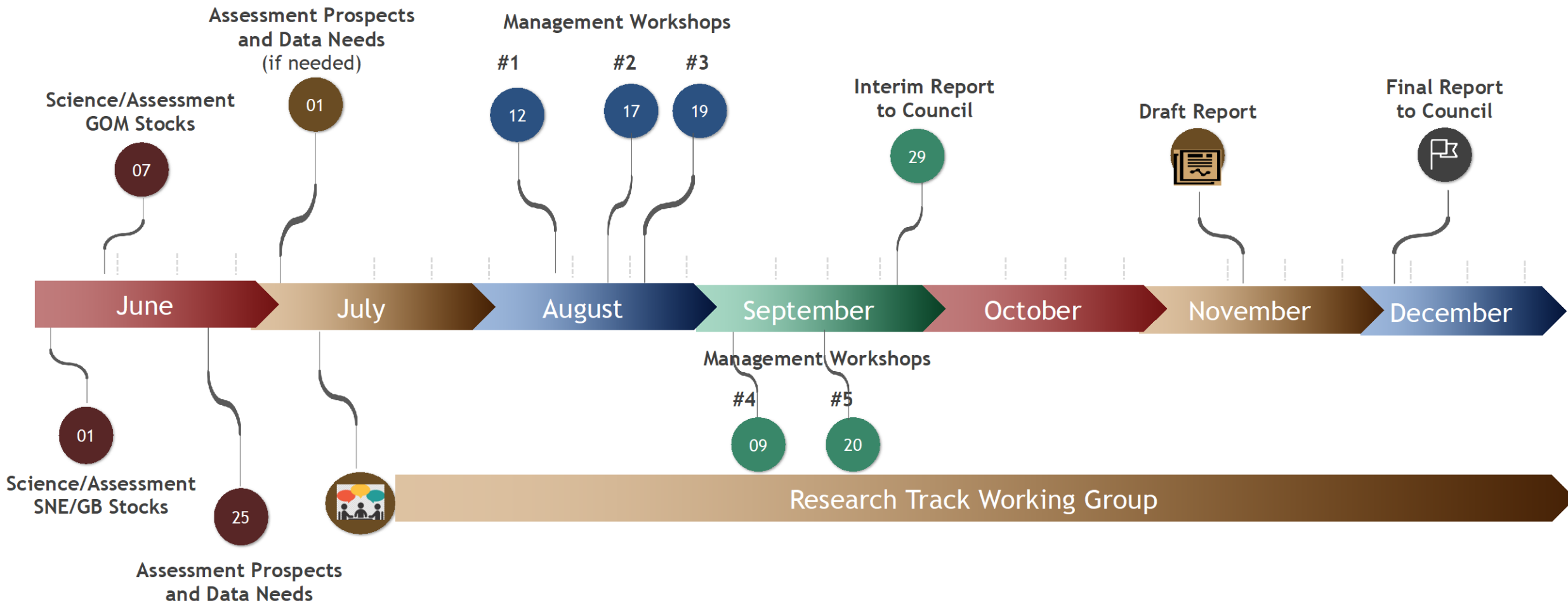
#2 - Gathering Regional Perspectives from Southern New England and Georges Bank East & West

August 17, 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

Today, August 17

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

Thursday, 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

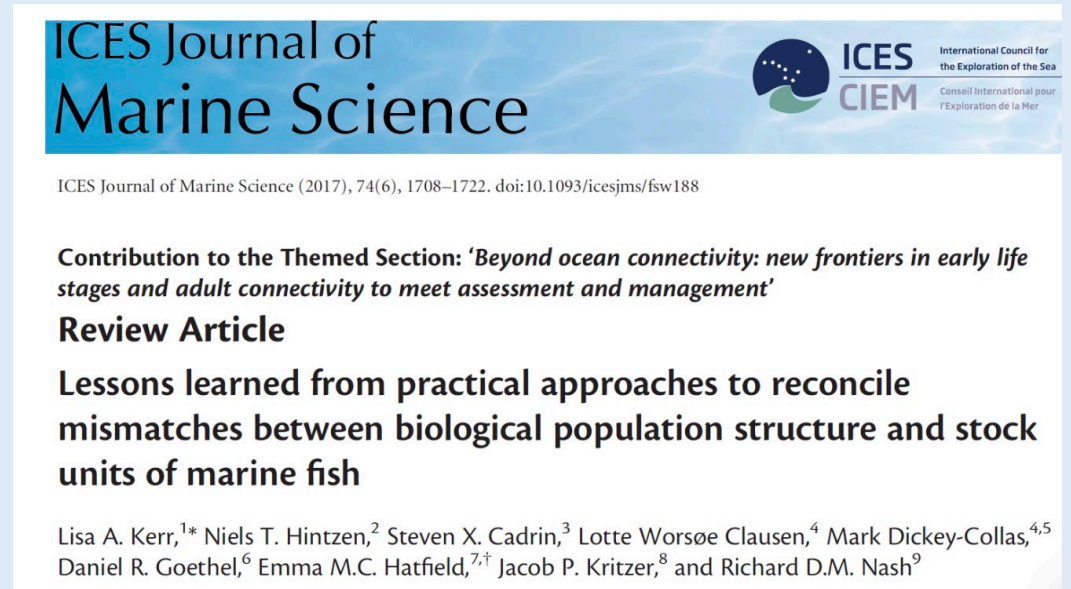
Setting the groundwork:

- 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 #1 Review

Some discussion questions:

- How would mixed composition analysis be implemented?
 - There are lots of practical considerations...can this be done in real-time, cost effectively?
 - How will the temporal (seasonal) aspect of cod spawning be taken into consideration in the assessment and management process? (Specifically winter vs. spring spawners)
- Is status quo really a viable or appropriate option?
- What is the role of re-allocation and how does this relate to the objective of improving stock status?
- How can climate change and other external factors (e.g. warming waters due to wind farms) be incorporated into management options?
- Are there examples where approaches in similar circumstances have been taken?

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.

Agenda

- 1:00 Welcome and Introductions
- 1:10 Goals and Objectives of Cod Stock Structure Workshops
- 1:20 Sharing Examples from Other Fisheries
- 1:40 Understanding Existing Atlantic Cod Management in SNE/GB
- 1:50 Recent Research on SNE Cod for Stock Assessment and Fishery Management
- 2:00 Considering Additional Fisheries Management Options & Tradeoffs
- 2:50 Wrap-up & Next Steps
- 3:00 Adjourn

Atlantic Cod Stock Structure Goals & Objectives

Jamie Cournane, NEFMC

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For More Information

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

Management Questions or Input

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