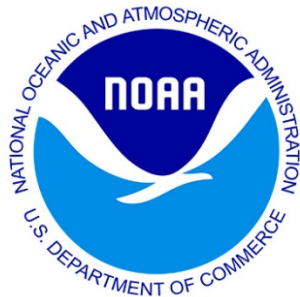


Atlantic Cod Management Workshops



New England
Fishery Management
Council

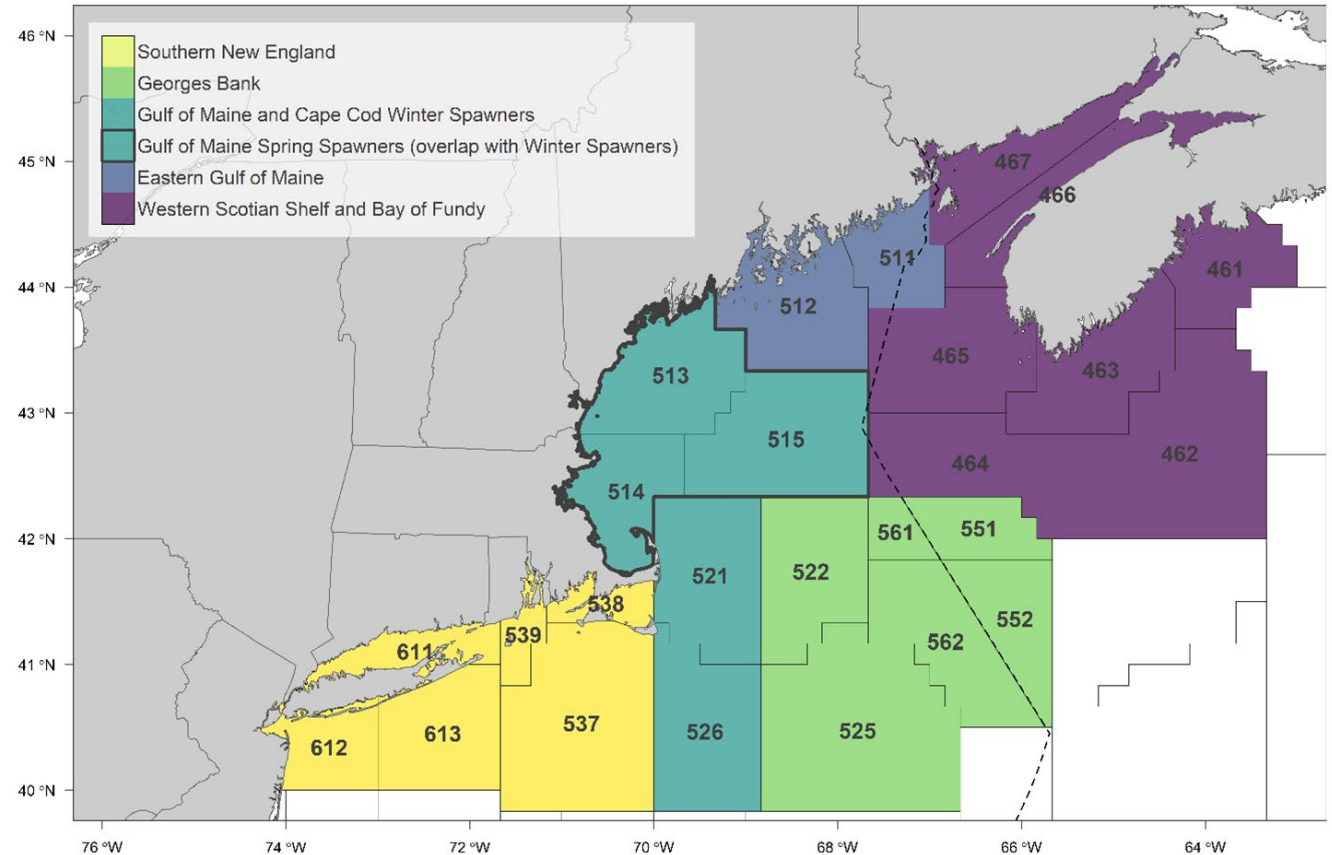


**New England Fishery Management Council
Northeast Fisheries Science Center
University of New Hampshire/NH Sea Grant**

Atlantic Cod Management

Considering Additional Options

- Revising management boundaries
- Sampling and monitoring
- Mixed stock area-based catch limits
- Re-allocation
- Additional spawning closures

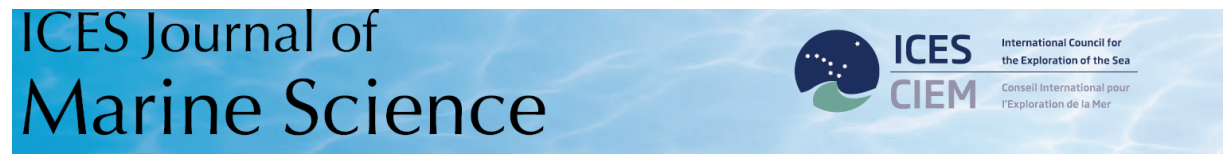


Kerr et. Al. 2017

- Uses North Atlantic case studies
- Describes approaches currently applied to improve the assessment and management process where complex spatial structure has led to an observed mismatch between the scale of biological populations and spatially-defined stock units

The approaches include:

- status quo management,
- “weakest link” management,
- spatial and temporal closures,
- stock composition analysis, and
- alteration of stock boundaries



ICES Journal of Marine Science (2017), 74(6), 1708–1722. doi:10.1093/icesjms/fsw188

Contribution to the Themed Section: ‘Beyond ocean connectivity: new frontiers in early life stages and adult connectivity to meet assessment and management’

Review Article

Lessons learned from practical approaches to reconcile mismatches between biological population structure and stock units of marine fish

Lisa A. Kerr,^{1*} Niels T. Hintzen,² Steven X. Cadrin,³ Lotte Worsøe Clausen,⁴ Mark Dickey-Collas,^{4,5} Daniel R. Goethel,⁶ Emma M.C. Hatfield,^{7,†} Jacob P. Kritzer,⁸ and Richard D.M. Nash⁹