



Steven Cadrin

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Research Interests

- General fisheries science that is relevant to resource management
- Population modeling of fishery resources
- Spatial population structure and movement
- Collaborative research with fishermen

Current Research

- "Scallop bycatch avoidance," Scallop RSA, \$152,765, PI
- "Tagging and age validation of monkfish," Monkfish RSA, \$151,200, PI
- "Cod spawning dynamics," NOAA, \$89,639, Co-PI
- "Bluefin tuna research program," NOAA, \$64,608, Co-PI
- "Industry-based survey of black sea bass," Mid-Atlantic RSA, \$25,000, Co-PI
- "Cod stock structure," NOAA, \$16,953, Co-PI

Selected Recent Publications

- Cadrin, S.X.**, 2014. Don't Believe Your Model Results. In *Future of Fisheries: Perspectives for the Next Generation of Professionals*, A Lynch, N Leonard & W Taylor, eds. American Fisheries Society Press.
- Cadrin, S.X.**, 2014. Fisheries Conservation and Management. In *Encyclopedia of Natural Resources*, Y Wang Ed. Taylor and Francis.
- Cadrin, S.X.**, W. Clark, and D. Ricard, 2014. Population dynamics and management of flatfish. in R Gibson, ed. *Flatfishes: Biology and Exploitation 2nd edition* Blackwell Science.
- Cadrin, S.X.**, L.A. Kerr, and S. Mariani, 2014. *Stock Identification Methods: Applications in fisheries science*, 2nd Ed. Elsevier Academic Press. 566p.
- Curtis, T.H., S.I. Zeeman, E.L. Summers, **S.X. Cadrin**, and G.B. Skomal, 2014. Eyes in the sky: Linking satellite oceanography and biotelemetry to explore habitat selection by basking sharks. *Animal Biotelemetry* (in press).
- Goethel D., L.A. Kerr, and **S.X. Cadrin**, in press. Incorporating environment and spatial structure in stock assessment of yellowtail flounder and its management implications. In *Management Science in Fisheries: a Practical Introduction to Simulation-Based Methods*. Taylor & Francis.
- Goethel, D., C.M. Legault, and **S.X. Cadrin**, 2014. Demonstration of a spatially-explicit, tag-integrated stock assessment model with application to three interconnected stocks of yellowtail flounder off of New England. *ICES JMS* (in press).
- Hyun, S.-Y., **S.X. Cadrin**, and S. Roman, 2014. Fixed and mixed effect models for fishery data on depth distribution of Georges Bank yellowtail flounder. *Fisheries Research* (in press).
- Kerr, L.A., **S.X. Cadrin**, and A.I. Kovach, 2014. Consequences of a mismatch between biological and management units on our perception of Atlantic cod off New England. *ICES JMS* (in press).
- Nichols, O.C., E. Eldredge, and **S.X. Cadrin**, 2014. Gray seal depredation at commercial fish weirs observed using Dual-frequency Identification Sonar (DIDSON). *Marine Technology Society Journal* (in press).
- Smith, L.A., J.S. Link, **S.X. Cadrin**, and D.L. Palka, 2014. Consumption by Marine Mammals on the Northeast US Continental Shelf. *Ecological Applications* (in press).
- Zemeckis, D.R., M.J. Dean, and **S.X. Cadrin**, 2014. Spawning dynamics and associated management implications for Atlantic cod (*Gadus morhua*). *N Am J Fishery Management* (in press).
- Zemeckis, D.R., W.S. Hoffman, M. Dean, M.P. Armstrong, and **S.X. Cadrin**, 2014. Spawning site fidelity by Atlantic cod (*Gadus morhua*) in the Gulf of Maine: implications for population structure and rebuilding. *ICES J. Mar Sci* (in press).
- Zemeckis, D.R., D. Martins, L.A. Kerr, and **S.X. Cadrin**, 2014. Stock identification of Atlantic cod (*Gadus morhua*) in US waters: an interdisciplinary approach. *ICES J. Mar. Sci.* (in press).