# 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**

- "Fishery-Dependent Observation Program" $405,693 from Massachusetts Marine Fisheries Institute NOAA BAA, September 2007-August 2008.
- "Mark-Recapture Analysis of American Lobster in Rhode Island Sound" $48,224 from NOAA NMFS Habitat Restoration Program, September 2007-August 2008.
- "Southern New England Trawl Study-Fleet" $48,224 NOAA CMER Program, September 2007-August 2008.
- "Tilefish Study-Fleet" $36,224 from NOAA NMFS Cooperative Research Program, September 2007-August 2008.
- "Acoustic Telemetry of Winter Flounder in Plymouth Bay: $25,805 from Massachusetts Fishery Recovery Commission, June 2007-May 2008.
- "Stock Composition of River Herring in Offshore Waters" $7,000 from Massachusetts Division of Marine Fisheries, May 2007-April 2008.

**Selected Recent Publications**

Cadrin, S.X., K.D. Friedland and J. Waldman, editors. 2005. Stock Identification Methods: applications in fishery science. Elsevier Academic Press, Amsterdam.

Cadrin, S.X. and V.M. Silva. 2005. Morphometric variation of yellowtail flounder. ICES J. Mar. Sci. 62: 683-694.

Rice, J., S.X. Cadrin, and W. Clark. 2005. Population dynamics and management of flatfish. pp. 319-346 in Flatfishes, R. Gibson, editor. Blackwell Science.

Cadrin, S.X., J.A. Boutillier, and J.S. Idoine. 2004. A hierarchical approach to determining reference points for Pandalid shrimp. Canadian Journal of Fisheries and Aquatic Sciences 61: 1373-1391.

Hart, D. and S.X. Cadrin. 2004. Yellowtail flounder (*Limanda ferruginea*) off the northeastern United States, implications of movement among stocks. pp 230-244 in Species Conservation and Management: Case Studies. H.R. Akçakaya et al., eds. Oxford University Press.

Hatfield, E.M.C. and S.X. Cadrin. 2002. Geographic and temporal patterns in *Loligo pealei* size and maturity off the Northeastern United States. Fishery Bulletin 100: 200-213.

Jacobson, L.D. and S.X. Cadrin. 2002. Rebuilding isopleths and constant F rebuilding plans for overfished stocks. Fishery Bulletin 100: 519-546.

Jacobson, L.D., S.X. Cadrin, and J.R. Weinberg. 2002. Tools for estimating surplus production and $F_{MSY}$ in any stock assessment model. North American Journal of Fisheries Management 22: 326-338.

Cadrin, S.X. 2000. Advances in morphometric analysis of fish stock structure. Reviews in Fish Biology and Fisheries. 10: 91-112.

Cadrin, S.X. 2000. Evaluating two assessment methods for Gulf of Maine northern shrimp based on simulations. Journal of Northwest Atlantic Fisheries Science 27: 119-132.