



Kevin Stokesbury

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Research Interests

Spatial distributions of marine fishes and invertebrates, how they vary temporally, on different scales (km, m and cm), and in different environmental conditions, and how these variations affect community structure, population dynamics, and fisheries. My research focuses on migrations, community structure, predator-prey interactions, population dynamics and fisheries.

Current Research

- Stokesbury, K.D.E., Examination of Benthic Substrates and Macroinvertebrate Distributions on the Northern Edge of Georges Bank. U.S. Department of Commerce, NOAA, NMFS, NOAA/NA06NMF4540257: \$219,236; 8/1/2006-7/31/2007, extension date 7/31/2008.
- Stokesbury, K.D.E., High-Resolution Video Survey of the Habitat and Sea Scallop Resource in the Elephant Trunk Closed Area. U.S. Department of Commerce, NOAA, NMFS, NOAA/NA06NMF4540261: \$188,004; 8/1/2006-7/31/2007, extension date 7/31/2008.
- Stokesbury, K.D.E., High-Resolution Video Survey of the Habitat and Sea Scallop Resource in the Elephant Trunk and Nantucket Lightship Closed Areas. U.S. Department of Commerce, NOAA, NMFS, NOAA/NA07NMF4540031: \$298,829; 5/1/2007-4/30/2008.
- Stokesbury, K.D.E., Mark-Recapture Analysis of American Lobster in Rhode Island. NOAA, NMFS, NOAA/NA07NMF4550321: \$33,223.50; 9/1/2007-8/31/2008.
- Stokesbury, K.D.E., Tilefish Study-Fleet. NOAA, NMFS, NOAA/NA07NMF4550323: \$36,223.50; 9/1/2007-8/31/2008.
- Stokesbury, K.D.E., Southern New England Study-Fleet. NOAA, NMFS, NOAA/NA07NMF4550325: \$48,224.30; 9/1/2007-8/31/2008.

Prof. Stokesbury is also a co-principal investigator on an additional eight million dollars in scallop and multispecies research from 9/1/05-8/31/08 through the School for Marine Science and Technology and the Massachusetts Marine Fisheries Institute.

Recent Publications

- Adams, C.F., B.P. Harris, and K.D.E. Stokesbury, 2008. Geostatistical comparison of two independent video surveys of sea scallop abundance in the Elephant Trunk Closed Area, USA. ICES J. Mar. Sci., in press.
- Miksis-Olds, J.L., and K.D.E. Stokesbury, 2007. Measuring fish abundance in a weir trap using an acoustical-optical platform. J. Acoust. Soc. Am. 122: 2431-2438.
- Stokesbury, K.D.E., B.P. Harris, M.C. Marino II, and J.I. Nogueira, 2007. Sea scallop mass mortality in a marine protected area. Mar. Ecol. Prog. Ser. 349:151-158.
- Marino II, M.C., F. Juanes, and K.D.E. Stokesbury, 2007. Effect of closed areas on populations of sea star, *Asterias* spp., on Georges Bank. Mar. Ecol. Prog. Ser. 347:39-49.
- Truong, T., F. Azadivar, and K. Stokesbury, 2007. An application of simulation modeling and optimization in fisheries. Ann. Oper. Res., in press.
- Harris, B.P., and K.D.E. Stokesbury, 2006. Shell growth of sea scallops (*Placopecten magellanicus* Gmelin, 1791) in the southern and northern Great South Channel, USA. ICES 63:811-821.
- Stokesbury, K.D.E., and B.P. Harris, 2006. Impact of a limited fishery for sea scallop, *Placopecten magellanicus*, on the epibenthic community of Georges Bank closed areas. Mar. Ecol. Prog. Ser. 307:85-100.
- Stokesbury, K.D.E., B.P. Harris, M.C. Marino II and J.I. Nogueira, 2004. Estimation of sea scallop abundance using a video survey in off-shore USA waters. J. Shellfish. Res. 23:33-44.
- Stokesbury, K.D.E., 2002. Estimation of sea scallop, *Placopecten magellanicus*, abundance in closed areas of Georges Bank. Trans. Am. Fish. Soc. 131:1081-1092.