

Brian J. Rothschild

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Research Interests
Population dynamics, biological oceanography, fisheries management, and natural resources policy. Dr. Rothschild has served on many national and international committees, and has held faculty or other associations with such institutions as Harvard University, Scripps Institution of Oceanography, and the Woods Hole Oceanographic Institution. His research and service have been widely recognized, in 2004 by the Outstanding Achievement Award from the American Institute of Fishery Research Biologists, and most recently with NOAA's 2007 Sustainability Fisheries Leadership Award.

Current Funding
- NOAA, New England Multispecies Survey
- NOAA, Scallop Fishery Assessment
- Comm. of MA/MOBD, Massachusetts Fisheries Recovery Commission
- NOAA, A Northeastern Regional Association of Coastal Ocean Observing Systems (NERACOOS)

Selected Recent Publications
Rothschild, B.J., Y. Jiao and S. Hyun, 2012. Simulation study of biological reference points for the summer flounder. *Trans. Am. Fish. Soc. 141*:426-436.

Rothschild, B.J. and Y. Jiao, 2012**.** Characterizing variation in Northwest Atlantic fish-stock abundance. *ICES J. Mar. Sci. 69*(5): 913-922, doi:10.1093/icesjms/fsr196.

Keiley, Emily, and **Brian Rothschild**, 2011. The disconnect between science and management in New England. ICES CM 2011 / P: 08. (MS).

Rothschild, B.J. and Y. Jiao, 2010. Characterizing uncertainty in fish stock assessments: the case of the Southern New England—Mid-Atlantic winter flounder. *Trans. Am. Fish. Soc. 140*(3):557-569.

Rothschild, B.J. and Y. Jiao, 2009. The structure of complex biological reference points and the theory of replacement. *Trans. Am. Fish. Soc. 138*, 949-965. doi: 10.1577/T08-191.1.

Rothschild, B.J., C.F. Adams, C.L. Sarro, K.D.E. Stokesbury, 2009. Variability in the relationship between sea scallop shell height and meat weight. *ICES J. Mar. Sci. 66*, 1972-1977. doi:10.1093/icesjms/fsp177.

Tian, R.C., C.S. Chen, K.D.E. Stokesbury, **B. Rothschild**, G. Cowles, Q.C. Xu, B.P. Harris and M.C. Marino II, 2009. Dispersal and settlement of sea scallop larvae spawned in the fishery closed areas on Georges Bank. *ICES J. Mar. Sci. 66*, 2155-2164.

Tian, R., C. Chen**,** K. D. E. Stokesbury, **B. J. Rothschild**, Q.Xu, S. Hu, G. Cowles, B. P. Harris and M. C. Marino II, 2009. Sensitivity analysis of sea scallop larvae trajectories to hydrodynamic model configuration on Georges Bank and adjacent coastal regions, *Fish. Oceanogr. 18*(3), 173-184.

Tian, R., C. Chen**,** K. D. E. Stokesbury, **B. J. Rothschild**, Q.Xu, S. Hu, G. Cowles, B. P. Harris and M. C. Marino II, 2009. Modeling the connectivity between sea scallop populations in the Middle Atlantic Bight and over Georges Bank. *Mar. Ecol. Prog. Ser., 380*, 147-160. doi: 10.3354/meps07916.

Beamish, Richard J., and **Brian J. Rothschild** (Eds.), 2009. *The Future of Fisheries Science in North America*, "Fish and Fisheries" Series, Vol. 31, Springer, NY, 736 p.

Chen, C**.**, L. Zhao, G. Cowles and **B. Rothschild**, 2008. Critical issues for modeling studies of Narragansett Bay and Mount Hope Bay. Book chapter in *Science for Ecosystem-based Management, Narragansett Bay in the 21st Century*, edited by A. Desbonnet and B.A. Costa-Pierce, Springer-Verlag, NY. 10.1007/978-0-387-35299-2, 281-300.

Lilly, G. R., K. Wieland, **B. J. Rothschild**, S. Sundby, K. F. Drinkwater, K. Brander, G. Ottersen, J. E. Carscadden, G. B. Stenson, G. A. Chouinard, D. P. Swain, and N. Daan, 2008. Decline and recovery of Atlantic cod (*Gadus morhua*) stocks throughout the North Atlantic. In *Resiliency of Gadid Stocks to Fishing and Climate Change*, edited by Gordon H. Kruse, Kenneth Drinkwater, J. N. Ianelli, J. S. Link, D. L. Stram, V. Wespestad, and D. Woodby. Alaska Sea Grant College Program, AK-SG-08-01, Fairbanks, Alaska. pp. 39-66.