

CHRISTINE SANTORA

Pew Institute for Ocean Science
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EDUCATION

M.A., Marine Affairs; University of Rhode Island, Kingston, RI, August 2002.

B.A., Environmental Studies; Providence College, Providence, RI, May 1998.
Magna cum laude

Master's Thesis

“Endangered Species Interactions with an Inshore Gillnet Fishery: Perspectives on Bycatch Management”

- Studied the biological, legal, and management parameters of sea turtle bycatch in Pamlico Sound, North Carolina gillnet fisheries. Created and tested original hypotheses to determine effectiveness of existing management regime.

Additional Research

“Managing offshore wind developments in the United States: Legal, environmental and social considerations using a case study in Nantucket Sound, Massachusetts”

- Examined governance of a new type of ocean use in federal waters. Evaluated the applicability of existing federal and state laws, permits, regulations, and agency jurisdictions. Identified gaps in management, and developed recommendations for comprehensive governance of offshore wind farms.

PROFESSIONAL EXPERIENCE

Pew Institute for Ocean Science, 126 East 56th Street, New York, NY 10022

Senior Research Associate

January 2004-present

- Provide research, writing, and analysis for Pew Institute projects on:
 - Ecosystem-Based Fishery Management
 - Understudied Species
 - Impacts of Bottom Trawling
 - New York State Fisheries
 - Forage Fish
- Provide Institute and Executive Director with research support on emerging marine science issues, policy developments, and preparation for media and editorial pieces.
- Track and manage budgets and reporting from Pew Institute external grantees.

Wildlife Conservation Society, Ocean Strategy Program, 2300 Southern Blvd., Bronx, NY
Associate Conservation Scientist
February 2003-December 2003

- Prepared a comprehensive report on ecosystem-based fishery management as a basis for a meeting among leading scientists to develop consensus on the approach. Assessed potential objectives, metrics, models, and management tools; discussed data needs; and outlined the transition from single-species management systems.

University of Rhode Island, Department of Marine Affairs, Kingston, RI
Researcher, post-graduate
June-December 2002

- Produced a peer-reviewed manuscript addressing dredging issues in the Port of New York/New Jersey including case history, changes in the scientific testing regime, impact of litigation, disposal options, decision-making processes, and stakeholder involvement.

University of Rhode Island, Department of Marine Affairs, Kingston, RI
Graduate Assistant
September 2000-May 2002

- Examined the policy framework of dredging and dredged material management in Providence and New York Harbors. Assessed policies and programs of the Army Corps of Engineers, Environmental Protection Agency, and Harbor Estuary Program. Focused on disposal, sediment testing and criteria, and decision-making processes.

Cape Hatteras National Seashore, Buxton, North Carolina
Resource Management Staff
1999-2001, Seasonal

- Implemented sea turtle nesting management plan through daily monitoring and site-specific decision-making.
- Conducted shorebird surveys, inventory of tern and piping plover nests, and participated in bird banding activities.
- Educated park visitors on sea turtle and shorebird nesting and the importance of habitat conservation in areas of high human use.

Save the Sound, Inc. Stamford, Connecticut
Naturalist/Environmental Educator
1998-1999

- Coordinated and taught classroom programs to elementary school children about Long Island Sound ecology, habitats and organisms through slides, lectures and live organisms.

PUBLICATIONS

Peer Reviewed:

Santora C (2006) Sustainable energy in the oceans: offshore wind in the U.S. *in* Sustainable Energy and the States: Essays on Politics, Markets and Leadership (edited by Diane Rahm). McFarland & Co., Inc. Jefferson, North Carolina and London, 2006. pp.179-201.

Babcock E.A., E.K. Pikitch, M.K. McAllister, P. Apostolaki, **C. Santora**. 2005. Indicators for ecosystem-based fishery management through spatial zoning. Submitted to ICES Journal of Marine

Science for the proceedings of the meeting “Quantitative Ecosystem Indicators for Fisheries Management.”

Pikitch E.K., **C. Santora**, E.A. Babcock. 2005. New frameworks for reconciling conservation with fisheries: incorporating uncertainty and ecosystem processes into fisheries management. Submitted for the Proceedings of the World Fisheries Congress, Vancouver, May 2004. In Press.

Pikitch E.K., **C. Santora**. 2005. Summary for Session Q4-4: Decision Frameworks and Reconciling Fisheries with Conservation. Submitted for the Proceedings of the World Fisheries Congress, Vancouver, May 2004. In Press.

Pikitch, E.K., **C. Santora**, E. A. Babcock, A. Bakun, R. Bonfil, D. O. Conover, P. Dayton, P. Doukakis, D. Fluharty, B. Heneman, E. D. Houde, J. Link, P. A. Livingston, M. Mangel, M. K. McAllister, J. Pope, and K. J. Sainsbury. 2004. Ecosystem-Based Fishery Management. *Science* 305: 346-347.

Pikitch E K, Santora C, Babcock E A, Bakun A, Bonfil R, Conover DO, Dayton P, Doukakis P, Fluharty D, Heneman B, Houde E D, Livingston P A, Mangel M, McAllister M K, Pope J, Sainsbury K J (2004) Letter to the editor: Response to fishery management and culling. *Science* 396: 1892.

Santora, C., N. Hade, J. Odell. 2004. Managing offshore wind developments in the United States: Legal, environmental and social considerations using a case study in Nantucket Sound, Massachusetts. *Ocean and Coastal Management* 47: 141-164.

Burroughs, R., **C. Santora**. 2004. Disposal of Contaminated Sediment from the Port of New York. Report prepared for the University of Rhode Island Transportation Center, URITC Project No. 536184.

Santora, C. 2003. Management of Turtle Bycatch: Can Endangered Species be Protected While Minimizing Socioeconomic Impacts? *Coastal Management* 31: 423-434.

Other:

Pikitch E K, Doukakis P, Santora C (2004) Caspian sturgeons and captive caviar production: understanding conservation benefits. *Fish Farmer* 27(3): 31-33.

Santora C (2004) Scientists outline a model for Ecosystem-based Fishery Management. *Waves (Marine & Coastal Community Network Newsletter)* 10(3): 13.

Pikitch E K, Santora C (2004) Letter to U.S. Fish and Wildlife Service. August 11, 2004 (re: US support of CITES Appendix II listing of great white sharks (*Carcharodon carcharias*)).

Santora C, Doukakis P (2004). Comments to the U.S. Commission on Ocean Policy on the Preliminary Report, submitted June 4, 2004.