

## REBECCA GOLDMAN MARTONE

STANFORD UNIVERSITY ▪ HOPKINS MARINE STATION ▪ OCEANVIEW BLVD ▪ PACIFIC GROVE, CA 93950 USA  
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### EDUCATION

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#### **Stanford University**, Stanford, CA. 2003-PRESENT

Ph.D. Student in Biological Sciences – Ecology & Evolutionary Biology track

Research interests: marine community ecology/marine conservation biology

Dissertation research: Spatial dynamics of consumer-resource interactions: environmental modulation of fisheries production in Baja California, Mexico

#### **Duke University**, Durham, NC. 2000

Masters of Environmental Management, Nicholas School of the Environment

Thesis: The effects of alterations in coastal ecosystems on incidence of disease in Atlantic menhaden (*Brevoortia tyrannus* L.).

#### **Northwestern University**, Evanston, IL. 1997

Bachelor of Arts with Departmental Honors, Environmental Sciences

Honors Thesis: Oil or Soil? A review of how oil and gas exploration and development contribute to salt marsh subsidence along the coast of Louisiana.

### RESEARCH INTERESTS

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Marine community ecology and marine conservation biology with specific interests in species interactions, trophic dynamics, the role of habitat in fisheries productivity and resilience, synergistic effects of human activities on marine communities, and incorporating spatial and temporal dynamics of marine communities into ecosystem-based management.

### PUBLICATIONS & MANUSCRIPTS IN REVIEW OR PREPARATION

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**Goldman, R.** 2001. Solving Problems of Oil Pollution in a Salt Marsh. *North Carolina Estuarine Research Reserve Technical Paper Series*, #3 <http://www.ncnerr.org/ccs/publications/index.html>

**Martone, R.G.**, and K. Wasson. Multiple human disturbances facilitate invasion of non-native upland plants into a salt marsh. *In prep* Oecologia.

Micheli, F., A.O. Shelton, S.M. Bushinksy, A.L. Chiu, A.J. Haupt, K.W. Heiman, C.V. Kappel, M.C. Lynch, **R.G. Martone**, J. Watanabe. Persistence and recovery of depleted marine invertebrates in marine reserves of central California. *Submitted* Ecological Applications.

Kappel, Carrie and **Rebecca G Martone**. 2006. "Ecosystem-based management." Encyclopedia of Earth. Eds. J Emmett Duffy. (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Published October 04, 2006; Retrieved November 02, 2006]. <[http://www.eoearth.org/article/Ecosystem-based\\_management](http://www.eoearth.org/article/Ecosystem-based_management)>

### PRESENTATIONS

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**Martone, R.G.** 2005. Spatial and temporal variation of consumer-resource interactions. *Student Collaborations in Ocean Science and Education (SCORE) Symposium*, November 2005, Monterey, CA.

- Martone, R.G.**, and K. Wasson. 2004. Trampling and hydrological manipulations facilitate invasion of upland weeds into a California salt marsh. *Western Society of Naturalists Annual Meeting*, Santa Rosa, CA
- Wasson, K., S. Fork, and **R.Goldman**. 2002. ESNERR Invertebrate Monitoring Program, *Monterey Bay National Marine Sanctuary Currents Symposium*, Marina, CA

#### GRANTS, FELLOWSHIPS, AND HONORS

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- Grover Hermann Fellowship in Marine Studies, Hopkins Marine Station. 2006.
- Miller Scholar, Stanford University. 2005-2006.
- Woods Institute for the Environment, Stanford University. 2005. Grant for Interdisciplinary Colloquium for the Oceans.
- Doris Duke Conservation Fellow, Duke University. 1998-2002.

#### PROFESSIONAL EXPERIENCE

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- Ecological Monitoring Coordinator**. ELKHORN SLOUGH NATIONAL ESTUARINE RESEARCH RESERVE, Watsonville, CA. 2002-2003.
- Coordinated, designed and implemented long-term biological and physical monitoring programs. Trained and supervised volunteers and student interns; mentored students on biological research. Conducted independent research on impacts of multiple human disturbances on invasions of non-native upland grasses into salt marsh habitats

#### TEACHING EXPERIENCE

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- Hopkins Marine Station of Stanford University**, Pacific Grove, CA. Winter 2005-2006  
Teaching Assistant: *Marine Ecology*. Co-developed & co-taught a course in marine ecology
- Stanford University**, Stanford, CA. Spring-Fall 2005  
Co-Instructor: *California Coastal Law, Science, and Policy*. Co-developed & taught a 9-week interdisciplinary course focused on marine science, law, and policy of the California coast for advanced undergraduate, graduate, and law students.
- Hopkins Marine Station of Stanford University**, Pacific Grove, CA. Winter 2004-2005  
Teaching Assistant: *Invertebrate Zoology*. Assisted in labs and lectures and led an independent study session with undergraduate students
- Hopkins Marine Station of Stanford University**, Pacific Grove, CA. Winter 2004-2005  
Guest Lab Instructor: *Marine Ecology*.
- Stanford University**, Stanford, CA. Spring 2005  
Teaching Assistant: *Ecology, Evolution, and Plant Biology*. Led independent teaching sections, and developed course materials and exams
- Elkhorn Slough National Estuarine Research Reserve**, Watsonville, CA. 2002-2003  
Mentored and evaluated interns in independent research projects.

**Aullwood Audubon Center, National Audubon Society**, Dayton, Ohio. Spring 1998  
Environmental Educator, Field Instructor: Instructed students ages K-6 in biology and natural history.  
Designed and implemented curriculum for field and classroom.

#### SYNERGISTIC ACTIVITIES & COMMUNITY SERVICE

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2006 Student representative, Woods Institute for the Environment, Education and Pedagogy Committee  
2006 Associate member, Sigma Xi  
2005-present Participant, *Scientific Foundations for Ecosystem-Based Management*, NCEAS working group  
2004-present Student Committee, Western Society of Naturalists  
2004-present Collaborator, Baja Biocomplexity Project, interdisciplinary NSF Biocomplexity in the Environment initiative aimed at modeling the biophysical and socio-economic drivers of variability in cooperative fishing communities  
2005 Co-founder, Stanford's student group Students for Collaboration in Ocean Research and Education (SCORE)  
2005 Co-organizer, Ocean Colloquium for interdisciplinary research in ocean science & policy  
2005 Student representative, Stanford Institute for the Environment Marine Committee  
2004-2005 Treasurer, Hopkins Marine Station Graduate Research Organization  
2002-2003 Representative, Elkhorn Slough NERR, Research Activity Panel for the Monterey Bay National Marine Sanctuary

#### RELATED EXPERIENCE

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Spanish, proficiency in speaking, writing, and reading  
PADI SCUBA certified diver  
AAUS Scientific Research diver  
Univariate and multivariate statistical analysis