

Name: Catherine de Rivera
Title: Assistant Professor
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Education: Ph.D. Department of Biology, University of California San Diego, 1999
B.A. with honors, Biology, Earlham College, Richmond, Indiana, 1990

Major Fields:

Ecology and behavior of marine and estuarine invertebrates, especially: nonindigenous species; predator-prey interactions; modeling the potential spread of species; management of nonindigenous species; biogeography; habitat connectivity, especially by roads; sexual selection

Courses:

Coastal Marine Ecology, Ecology & Management of Biological Invasions, Environmental Sustainability (Sophomore Inquiry), Applied Environmental Studies: Preparation for Problem Solving.
Previously taught: Behavioral Ecology lab & lecture, Biodiversity, Organismal & Population Biology.

Recent Publications:

de Rivera CE, Ruiz GM, Hitchcock NG, Teck SA, Steves B, Hines AH. 2007. Larval development rate predicts range expansion of an introduced crab. Marine Biology 150:1275-1288.
de Rivera CE, Ruiz GM, Hines AH, Jivoff P. 2005. Biotic resistance to invasion: native predator limits abundance and distribution of an introduced crab. Ecology 86:3364-3376
de Rivera CE. 2005. Long searches for male-defended breeding burrows allow female fiddler crabs *Uca crenulata* to release larvae on time. Animal Behaviour 70: 289-297

Recent Research Grants:

2008-2009, "Green crab control methods, Phase 3: Expanding capacity to control European Green crab populations in the northeast Pacific." Pacific States Marine Fisheries Council: \$130,000; PIs: CE de Rivera, GM Ruiz, ED Grosholz, MD Sytsma.
2008-2009: "The Effectiveness of Vertebrate Passage and Prevention Structures: a Study of Boeckman Road in Wilsonville" Oregon Transportation, Research and Education Consortium: \$51,159; PI: CE de Rivera
2007-2010, "Dispersal, burrow creation, and competition in the invasive Australian burrowing isopod (*Sphaeroma quoianum*)." NOAA: \$20,000/yr to CE de Rivera, TM Davidson.
2007-2008, "Evaluating effectiveness of green crab control methods: Effects of *Carcinus maenas* removal in Bodega Harbor." Pacific States Marine Fisheries Council: \$88,496 to CE de Rivera, et al.
2007-2008, "Green crab control methods, Phase 2: Evaluating effectiveness and effects of *Carcinus maenas* removal in Bodega Harbor" Pacific States Marine Fisheries Council: \$63,000 to CE de Rivera et al.
2007-2008, "Regional surveys and outreach for the non-indigenous burrowing isopod, *Sphaeroma quoianum*." U.S. Fish and Wildlife Service: \$15,424 to CE de Rivera.
2006-2007, "Green crab control methods: Evaluating factors important for eradication of *Carcinus maenas*." NOAA Seagrant & Pacific States Marine Fisheries Council: \$225,000 to CE de Rivera, et al.