

TIMOTHY MATHIAS DAVIDSON

Aquatic Bioinvasions Research & Policy Institute
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EDUCATION

Ph.D. 2011 (anticipated) Environmental Science & Management, Portland State University
M.S. 2006 Biology. University of Oregon, Eugene
B.S. 2002 Environmental Science, *Magna cum laude*. Oregon State University, Corvallis

PUBLICATIONS

Davidson TM, Rumrill SS, Shanks AL (*in review*) The composition and density of fauna utilizing burrow microhabitats created by a non-native burrowing crustacean (*Sphaeroma quoianum*) Biol Invasions

Davidson TM, VEF Brenneis, CE de Rivera, R Draheim, GE Gillespie (2008) Northern range expansion and coastal occurrences of the New Zealand mud snail (*Potamopyrgus antipodarum* Gray, 1843) in the northeast Pacific. Aquatic Invasions 3: 349-353

Davidson TM, Shanks AL, Rumrill SS (2008) Colonization and substratum preference of an introduced burrowing crustacean in a temperate estuary. J Exp Mar Biol Ecol 345: 144-149

Davidson TM, Hewitt CL, Campbell M (2008) Distribution, density, and habitat use among native and introduced populations of the Australasian burrowing isopod *Sphaeroma quoianum*. Biol Invasions 10: 399-410

Davidson TM (2008) Prevalence and distribution of the introduced burrowing isopod, *Sphaeroma quoianum* in the intertidal zone of a temperate northeast Pacific estuary (Isopoda, Flabellifera). Crustaceana 81: 155-167

Davidson TM (2006) The invasion of the Australasian burrowing isopod (*Sphaeroma quoianum*) in Coos Bay, Oregon. MS Thesis, University of Oregon. 158p.

Davidson TM, Stefans R, Rumrill SS (2006) Protecting Oregon's estuaries from invading species, a field guide to identifying and controlling invading species. Published by the Friends of the South Slough

RELEVANT EMPLOYMENT

National Estuarine Research Reserve Graduate Research Fellow. Portland State University, Aquatic Bioinvasions Research and Policy Institute. 2007- current. Impacts of *S. quoianum*

Graduate Teaching Fellow. Portland State University, *Environmental Sustainability*, 2007-2008. Presented lectures, designed & conducted mentored inquiry lessons, class logistics, grading

NSF EAPSI Fellow. National Centre for Marine and Coastal Conservation. Australian Maritime College. Summer 2006. Comparative ecology of native & non-native populations of *S. quoianum*

NSF GK-12 Graduate Fellow. University of Oregon, Oregon Institute of Marine Biology. August 2004-2006. Presented & designed marine science curricula for Coos Bay elementary schools

Research Technician. University of Notre Dame, David Lodge Laboratory. 2003-2004. Biological invasions of the Midwest lake systems

Research Assistant. Oregon State University, Sylvia Behrens Yamada. 2000-2004 (Intermittently). Distribution, life history, & negative effects of the invasive green crab

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RELEVANT EMPLOYMENT *(continued)*

Research Assistant. Oregon State University, Center for Water & Environmental Sustainability through EPA. 2001-2002 (Intermittently). Ecology of native & non-native estuarine invertebrates

NSF REU Fellow. Florida Institute of Technology, Division of Marine and Environmental Systems. Summer 2000. Biological fouling research

GRANTS AND FELLOWSHIPS

- National Estuarine Research Reserve Fellowship, 2007-2010
- National Science Foundation East Asia and Pacific Summer Institutes program, 2006
- NSF GK-12 Fellowship, 2004-2006
- Sigma Xi: The Scientific Research Society Grant-in-aid of Research, 2006
- American Museum of Natural History Learner-Gray Research Grant, 2005
- PADI Project Aware Research Grant, 2005
- NSF REU Fellowship, 2000

HONORS

- Marine Technology Society Graduate Scholarship, 2008
- USA Funds Scholarship, 2007, 2008
- *Honorable mention* for best student presentation, PERS meeting, Feb 2008
- Awarded 1st degree Blackbelt in Judo, 2007
- University of Oregon General Scholarship, 2006
- Neil Richmond Memorial Scholarship, 2006
- Oregon Space Grant Scholarship, 2002
- 1st in State in Judo, State Games of Oregon, 2002
- Portland Community College Union of Classified Employees Scholarship, 2001
- Oregon State University College of Science Scholarship, 2000, 2001

TEACHING EXPERIENCE

- Assistant Instructor, *Beginning, Intermediate, & Advanced Judo*, numerous Judo classes in Oregon, 2001-present
- Teaching assistant (unofficial), *Restoration of Marine Habitats*, UO, Summer 2008
- Graduate Teaching assistant, *Environmental Sustainability*, PSU, 2007-2008
- Instructor, *Marine Biology* (NSF GK-12 Fellowship), Coos Bay School District, 2004-2006. Teach and develop marine science curricula for elementary students

TECHNICAL SKILLS

GIS & GPS, SCUBA, website development, saltwater Aquarium maintenance & setup, Oregon Boater's license, extensive experience in Computer repair & troubleshooting, Photoshop, Statistics software: R, SAS, Systat, Statistica, Forklift & heavy machinery operation