

## Education

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### Academic

Water Resources Management- Oregon State University, Corvallis, OR	2011-2012
B.S. Fish & Wildlife Management- Michigan State Univ, East Lansing, MI	2006

### Other

Portland Code School-	
• Web Development: Ruby, JavaScript, HTML, CSS, Rails	in-progress
Fisheries and Wildlife Service, National Conservation Training Center	2010
• Data Analysis I & II: Statistical Concepts and Data Modeling Using R.	
U.S.Geological Survey, Webinar training seminars	2009
• GIS and Statistical Concepts	

## Professional Experience

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### Biological Technician: Data Analyst

U.S. Geological Survey, Western Fisheries Research Center, Newport, OR	2009 – 2013
Michigan State Univ, Dept. of Fish and Wildlife Mgmt, E Lansing, MI	2006 – 2008
Michigan State Univ, Dept. of Geography, Aerial Archive, E Lansing, MI	2005 - 2006
• <i>Experience:</i> Data collection, synthesis, and visualization for modeling and communicating scientific information to a variety of audiences; Database design and development, and testing and debugging modeling software; Report writing and publishing to US Geological Survey website; Presenting information in the form of talks and posters	

### Biological Technician: Field Biology

US Geological Survey, Western Fisheries Research Center, Klamath Falls, OR	2009
University of Washington, US Forest Service, Aiken, SC	2009
Michigan State Univ, Michigan Natural Features Inventory, East Lansing, MI	2007
Michigan Department of Natural Resources, Wildlife Division, Holly, MI	2004
• <i>Experience:</i> Lead field crews and record biotic and abiotic variables for research projects related to endangered fish populations, experimental plant biology & distributions in corridor environments, avian ecology in natural and diked wetlands, & management of upland ecosystems for wildlife resources.	

## Outreach Experience

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### Program Coordinator

President/Co-founder Central Oregon Coast Roller Derby League, Newport, OR	2011
Program Coordinator, Sankofa Youth Development, South Carolina.	2008
• <i>Experience:</i> Develop community partnerships for support of recreational and educational programs, Market information to public and local businesses or government agencies, Coordinate fundraising events, Research and implement physical training programs.	

### Environmental Educator

Volunteer Science Fair Mentor, Newport public schools, Newport, OR.	2010, 2011
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Field Instructor, Clemson University, Youth Learning Institute, Aiken, SC.	2008
Camp Guide, Mountain Adventure Guides, USA Raft, Erwin, TN	2008
Field Instructor, The Greening of Detroit, Detroit, MI	2005
Volunteer Environmental Educator, AutumnFest., Michigan State Univ, East Lansing, MI	2005 – 2006
<ul style="list-style-type: none"><li>• <i>Experience:</i> Provide guidance in learning and applying scientific inquiry concepts, Develop and teach topics pertaining to the natural world, Coordinate and implement youth oriented activities pertaining to environmental restoration and neighborhood revitalization, Develop 3d models conveying environmental issues, Present concepts of ecological services to a wide variety of audiences, Mitigate conflict, Provide disciplinary structure for management of groups/individuals.</li></ul>	

## Reports

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### Technical Research Report

- Campa, H., S.R. Winterstein, L.A. Ayres, M.M. Prehoda, R. A. Loiselle. 2008. "Dynamics of Moose Herbivory on the Selawik National Wildlife Refuge, Alaska." Technical Report for U.S. Fish and Wildlife Service Selawik National Wildlife Refuge. Kotzebue, Alaska.
- Loiselle, R. A. and K. Schrems, and H. Campa. 2006. "Habitat suitability assessment for the Veery, *Catharus fuscescens*, and Eastern Meadowlark, *Sturnella magna*". Technical Report for Rose Lake State Wildlife Research Area, Bath, MI. Upland Ecosystem Management Course. Spring 2006. Department of Fisheries and Wildlife Management, Michigan State University.
- Loiselle, R. A. and D. Doberneck. 2006. "Tochar Valley Way: An Ecological Perspective." Technical Report for Tochar Valley Rural Community Network County Maigho, Ireland. Community Engagement Course. Summer 2006. Department of Community, Agriculture and Recreation and Resource Studies, Michigan State University.

### White Paper:

- Loiselle, R. A. and R. W. Hill. 2006. "Sound Reception and Production in Odontocetes" Research Report for Environmental Physiology Course. Spring 2006. Department of Zoology, Michigan State University.

## Conferences & Presentations

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- Loiselle, R.A., D.A. Reusser, H. Lee, M. Frazier. 2010. Shifting Trends of Temperature and Biodiversity in the Eastern Bering Sea. Poster presentation at U.S. Geological Survey Climate Science Conference. March 2010. Denver, CO.
- R. A. Loiselle, D.A. Reusser, H. Lee, C. Brown, P. Clinton, C. Janousek. 2010. SLAMM Modeling of the Yaquina Estuary, Central Oregon Coast. Presented at Oregon Climate Change Research Institute, Climate Science Conference. June 2010. Portland, OR.
- R.A. Loiselle and members of Fisheries and Wildlife Club, Department of Fisheries and Wildlife Management, Michigan State University. 2006. Model of wetland soil function. Presented at AutumnFest, Fall 2006.
- R.A. Loiselle and members of Fisheries and Wildlife Club, Department of Fisheries and Wildlife Management, Michigan State University. 2005. Model of surface water pollution. Presented at AutumnFest, Fall 2005.

## Technical Proficiency

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Rails, Ruby, JavaScript, HTML, CSS, ArcGIS, R- The Statistical Program; Microsoft Access, Excel, PowerPoint, Word; environmental modeling software- Sea Level Affecting Marshes Model.