

Ian A. Johnson

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Education

University of Alaska Fairbanks
Wildlife Biology and Conservation
Thesis: Evaluation of a Unique Social Ecological System with Implications for Subsistence Users and Managers
M.S. Expected Graduation December 2015

Northland College, Ashland, WI
B.S. Biology; Minor: Geographic Information Systems
Graduated with Honors, Sept 2006-May 2010

Professional Goals and Research Interests

After obtaining my Masters in Wildlife, I will seek employment with a non-government organization. Primarily I seek a position with research that is linked to wildlife policy, and has a strong component of communication of science to the public. My research interests are not species specific, they include human dimensions of wildlife, spatial modeling of wildlife, and conservation linked research

Experience

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|--|--|---|---------------|
| August 2013 - Present | University of Alaska Fairbanks | <i>M.S. Biology and Wildlife</i> | Alaska |
| <ul style="list-style-type: none">• Advised by Dr. Todd Brinkman, Dr. Kris Hundertmark• Thesis collaborating with the U.S. Fish and Wildlife and Council of Athabascan Governments to examine subsistence landscape use and wolf landscape use when pursuing moose• Interdisciplinary research and training through Resilience and Adaptation Program | | | |
| October 2010 – July 2013 | Biodiversity Research Institute | <i>GIS Specialist</i> | Maine |
| <ul style="list-style-type: none">• Grant and field lead on fisheries research in Lake Champlain evaluating Hg and PCBs in fish tissue. The fieldwork included large-scale coordination and supervision of eight crews and over eighty anglers• ArcGIS data analysis related to the DeepHorizon oil spill, BRI publications, and field reports• Data interpretation and management for GPS satellite tagged birds (loons, eagles, peregrines, egrets, pelicans, black vulture, black skimmers) | | | |
| August 2013 – May 2015 | University of Alaska Fairbanks | <i>Residential Assistant</i> | Alaska |
| <ul style="list-style-type: none">• Residential assistant at the Sustainable Village promoting strong community and a sustainable mission• Managed maintenance, programming, and student conflicts | | | |

September 2007 – May 2010 **Northland College Residence Life** **Residential Hall** **Wisconsin**
Director

- Trained, advised, and held weekly meetings with four staff members under my supervision
- Dealt with real-world dormitory situations like alcohol poisoning, roommate feuds and drinking within the dormitory
- Promoted community development through staff and resident relationships (eighty residents), and monthly programming

September 2007 – May 2009 **Northland College Residence Life** **Resident Assistant** **Wisconsin**

- Designed and carried out monthly programming to help build community within the building
- Operated during scheduled duty nights several nights per week. Duty nights included doing rounds throughout the building to monitor students

May 2010 – October 2013 **Bad River Watershed Association** **Biological Technician** **Wisconsin**

- Led backpack electro fishing crews to continue work from the previous summer on new restoration sites

June 2009 – May 2010 **US Fish and Wildlife Service** **Biological Technician** **Wisconsin**

- Assisted in the development and implementation of a fisheries monitoring program to assess fishery and habitat response to culvert remediation, by led electro-shocking teams and mobile mapping
- Created and updated the relational Microsoft Access database to store and query all field data from treatment, reference and control sites pre and post project monitoring
- Reviewed project data and made recommendations for sampling protocols for the next year

June 2009 – August 2008 **Northland College Biology** **Lab and Field Technician** **Wisconsin**
Department

- Research on the genetic diversity of wild rice populations, supervised by Professor Anthony Kern
- Lab work included DNA extractions from wild rice specimens (> 120 lab hours)
- Field work included sampling of wild populations; sampling involved kayaking up to 17 miles to obtain specimens.

June 2007 – August 2007 **U.S. Forest Service, Superior** **Volunteer Wilderness** **Minnesota**
National Forest **Ranger**

- Worked for the summer in the Boundary Waters Canoe Area with a ranger.
- Spent ~40 days in the wilderness performing trail maintenance, latrine digging, campsite maintenance, and public contact in the wilderness.

Experience, Skills, Awards

- Fellowship through Resilience and Adaptation Program, University of Alaska, Fairbanks
- Dean Wilson, Alaska Trapper's Association Scholarship, Fall 2014
- RAP EPSCoR Grant, Summer 2014
- Thesis Completion Fellowship, University of Alaska Fairbanks Graduate School, 2015
- Teach Assistantship, Spring 2015

- Proficient mist netting including experience with songbirds, petrels, scoters and bats
- Computer: R statistical software, ArcGIS, website management (ROXEN, Wordpress), Python
- Chair of Review of Infrastructure, Sustainability, and Energy board at UAF overseeing \$500,000 dollars annually
- Eagle Scout

Publications

- Johnson, I., T. Brinkman, J. Kelly, K. Britton, B. Lake, D. Verbyla, and K. Hundertmark. Accepted. Quantifying Rural Hunter Access in Alaska. *Human Dimensions of Wildlife*.
- Johnson, I., B. Lake, T. Brinkman, K. Hundertmark, and D. Verbyla. In Press. Movement Characteristics of Wolves (*Canis lupis*) in a Very Low Prey Density System.
- Meatley, D. E., L. Savoy, J. Beuth, N. Pau, K. O'Brien, J. Osenkowski, K. Regan, B. Lasorsa, and I. Johnson. 2014. Elevated mercury levels in a wintering population of common eiders (*Somateria mollissima*) in the northeastern United States. *Marine pollution bulletin* 86:229-237.

Reports:

- Johnson, I. 2012. A synoptic assessment of mercury and re-evaluation of PCBs in Lake Champlain fishes. Biodiversity Research Institute, Gorham, Maine.

Noted Contributor:

- Schmeltz, D., D. C. Evers, C. T. Driscoll, R. Artz, M. Cohen, D. Gay, R. Haeuber, D. P. Krabbenhoft, R. Mason, and K. Morris. 2011. MercNet: a national monitoring network to assess responses to changing mercury emissions in the United States. *Ecotoxicology* 20:1713-1725.

Presentations:

- Johnson, I. 2015. Quantifying Rural Hunter Access in Alaska. Alaska Chapter of the Wildlife Society, Juneau, Alaska

Posters

- Johnson, I. 2014. Evaluating Competition Between Humans and Wolves in the Yukon Flats, AK by Examining Landscape Use. Alaska Chapter of The Wildlife Society, Anchorage, Alaska
- Adams E., Johnson I., Jackson A., Eagles-smith C., Spencer S., Berkeley J., Evers D. 2012. Estimating risk of mercury exposure to migratory bird in the pacific flyway.
- Goyette J., Eggert L., Evers D. 2012. Investigating over-winter distribution of Black Skimmers from the southeastern United States using telemetry and band recovery data.
- Stenhouse I., Montevicchi W., Burke C., Regular P., Evers D., Johnson I. 2011. Wintering Distributions of Vulnerable Marine Bird Species in the Gulf of Mexico, 2011.
- Savoy L., Goodale W., Allen B., Heard D., Meatley D., Douglas D., Johnson I. 2010. Common Eider Seasonal Movements in Offshore Wind Power Test Sites.

Teaching Experience

- Teaching assistant for Biology 116, a second semester introduction to biology course
 - Led multiple labs per week of up to 15 people, and was responsible for grading lab content
 - Developed and led a student scientific paper writing workshop
- Guest lecturer for Science Technology Engineering and Mathematics (STEM) program bringing the sciences to K – 12 classrooms

Professional Affiliations

ALCES , Alaska Chapter of the Wildlife Society, Adjunct GIS Specialist, Biodiversity Research Institute