

Curriculum Vitae: Rolf O. Peterson

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a. Professional Preparation

University of Minnesota-Duluth, Zoology, B.S., 1970.
Purdue University, Wildlife Ecology, Ph.D., 1974.

b. Appointments

2006-present: Research Professor and Professor Emeritus, School of Forest Resources & Environmental Science, Michigan Technological Univ.

1986-2005: Professor, School of Forest Resources & Environmental Science, Michigan Technological Univ.

1984-1986: Associate Professor, Biological Sciences, Michigan Technological Univ.

1975-1983: Assistant Professor, Biological Sciences, Michigan Technological Univ.

c. Publications - Five publications most closely related to proposal project

1. Peterson, R. O., Vucetich, J. A., Bump, J. M., & Smith, D. W. 2014. Trophic cascades in a multicausal world: Isle Royale and Yellowstone. *Annual Review of Ecology, Evolution, and Systematics*, 45, 325-345.
2. McLaren, B. E. and R. O. Peterson. 1994. Wolves, moose, and tree rings on Isle Royale. *Science* 266:1555-1558.
3. Peterson R.O. 1977. Wolf ecology and prey relationships on Isle Royale. *U.S. National Park Service Science Monograph Series*, 11, 1-210.
4. Brandner, T. A., Peterson, R. O., & Risenhoover, K. L. 1990. Balsam fir on Isle Royale: effects of moose herbivory and population density. *Ecology*, 71(1), 155-164.
5. Frelich, L. E., Peterson, R. O., Dovčiak, M., Reich, P. B., Vucetich, J. A., & Eisenhauer, N. 2012. Trophic cascades, invasive species and body-size hierarchies interactively modulate climate change responses of ecotonal temperate-boreal forest. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 367(1605), 2955-2961.

d. Research focus

For the past 50 years, I have been a principal investigator of wolf-moose relationships in Isle Royale National Park, while also conducting studies of trophic interactions in Alaska, Minnesota, Michigan, and Yellowstone National Park (i.e., Peterson, R.O., T.N. Bailey, and J.D. Woolington. 1984. Wolves of the Kenai Peninsula, Alaska. *Wildlife Monograph* 88:1-52.

e. Synergistic Activities

- 1) Curate the project's summer field station which as serves as a field museum featuring the world's largest collection of antlered skulls of bull moose, other displays, and informal presentations. During 2015-2018, this field site was visited by >6,000 visitors.

2) Lead “Moosewatch” which is a citizen science program that involves week-long research expeditions for members of the general public. In a typical year, >50 people participant including about 6 teachers.

3) Secretary of the Board, International Wolf Center, Ely, MN, 1994-2014.