

Timothy Gordon Whitby

Research Intern, Ecosystem & Landscape Ecology Lab
Department of Zoology, University of Wisconsin-Madison 430 Birge Hall Madison, WI 53706
E-mail: whitby@wisc.edu

Education

- 2009-2011** **M.S. Biology**, Appalachian State University, Cratis D. Williams Graduate School
Advisor: Michael D. Madritch
Graduate Certificate in Geographic Information Science
- 2004-2008** **B.S. Biology**, University of Virginia, College of Arts and Sciences.

Publications

Whitby, T.G., Madritch, M. D. 2013. Native temperature regime influences soil response to simulated warming. *Soil Biology and Biochemistry*. (In Press).

Whitby, T.G. 2011. Increased rates of soil respiration and microbial activity under two complimentary experimental warming methods: implications for carbon-climate feedbacks. Master's Thesis. Dept. of Biology, Appalachian State University. Boone, North Carolina.

Conference Presentation

Whitby, T.G., Madritch, M.D. 2010. Carbon loss from soils from multiple elevation gradients under simulated climate change. *Annual meeting of the Association of Southeastern Biologists*. Huntsville, Alabama.

Professional Experience

- 2012-Present** *Research Associate*. University of Wisconsin-Madison, laboratory of Monica G. Turner. Lead and conduct field and subsequent laboratory analyses of long-term plots in lodgepole pine stands following 1988 Yellowstone wildfires to understand long-term effects on landscape patterns and processes.
- 2011-2012** *Laboratory Technician/manager*. Appalachian State University, laboratory of Michael D. Madritch. Conducted forest soil ecology research, laboratory maintenance, and supervised two or more undergraduate student workers.
- 2011-2012** *Adjunct instructor*. Appalachian State University. Labs taught: BIO 1801 Biological Concepts I, BIO 1802 Biological Concepts II.

Summer 2011 *Field Technician*. Appalachian State University, laboratory of Gary Walker, Ph. D. Conducted vascular plant, bryophyte, and lichen biodiversity surveys rappelling from cliff faces for the National Parks Service in Cumberland Gap National Park, and the University of Tennessee at Chattanooga in the Ocoee River gorge.

2009-2011 *Graduate Teaching Assistant*. Appalachian State University. Labs taught: BIO 1101 Biology in Society I, BIO 1801 Fundamentals of Biology I.

Summer 2010 *Field Technician* Appalachian State University, laboratory of Michael D. Madritch. Led field crew to collect soil and aspen canopy samples for ground truthing of NASA-supported remote sensing of ecosystem structure and function project in Colorado and Utah.

2004- 2009 *Apprentice/Laborer*. L. G. Whitby Enterprises Ltd. Residential construction and remodeling.

2006- 2008 *Student Bus Driver*. University of Virginia, University Transit Service. Earned three "Safety Bars" for 500 hours of accident-free driving each

Summer 2005 *VISTA Outdoor Orientation Program Trip Leader*. University of Virginia, Dept. of Intramural-Recreational Sports. Led up to twelve incoming freshmen at UVA on 5-day, 4-nights excursions including: hiking, canoeing, and rock climbing.

Academic Awards

2009-2011 Out-of-state tuition remission - \$ 21,505

2009 Alumni Fellowship Award - \$3,000