

## Keith M. Jackson

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### EDUCATION

- 2003-2007** **Portland State University** Portland, Oregon  
*Degree:* M.S. Geography, specializing in glacial studies  
GPA: 3.74  
*Thesis:* *Spatial and morphological change of Eliot Glacier, Mount Hood, Oregon*
- 1998-2003** **Ohio University** Athens, Ohio  
*Degree:* B.S. Environmental Geography  
Overall GPA: 3.4      Major GPA: 3.85

### WORK EXPERIENCE

- June 2004-  
Sep. 2006,  
Mar. 2007-  
Present** **Graduate Research Assistant, Portland State University**  
Research assistant of Dr. Andrew Fountain studying glacier extents of the continental United States. Assisted with the creation of a database of glacier extents at the 1:100k and 1:24k scales. Currently utilizing ArcGIS 9.x to create a historic database of photographs, maps, and digital files of Oregon and Washington's glaciers. Additionally, designed a website examining the glaciers of Oregon (<http://glaciers.research.pdx.edu/oregon.php>).
- Jan. 2006-  
Mar. 2007** **Research Assistant, United States Geological Survey**  
Research assistant of Jim O'Connor, examining stream morphology change on the Sprague River of southern Oregon through the use of ArcGIS 9.x and Microsoft Access.
- 2003-2004** **Graduate Research Assistant, Portland State University**  
Research assistant in the Geography Department, working for the Oregon Geographic Alliance. Assisted in the operation of the Alliance, which seeks to further geographic education in grades K-12.
- 2001-2003** **Research Assistant, Ohio University**  
Research assistant on LTER Project (Long Term Ecosystem Research) studying historical infant mortality rates in Baltimore, Maryland. Utilized ArcView 3.2, Microsoft Excel and Access, and other programs to examine a variety of spatial patterns in historical Baltimore.

**Summer, 2002**     **Survey Assistant, City of Bowling Green, Ohio**  
Worked with the surveyor of Bowling Green on a variety of tasks including surveying land for future wind towers as well as topographic surveys of urban and rural environments.

## **PUBLICATIONS**

Jackson, K.M. and Fountain, A.G. 2006. Spatial and morphological change on Eliot Glacier, Mount Hood, Oregon, USA. *Annals of Glaciology*, vol. 46, accepted.

Jackson, K.M. and Fountain, A.G. 2005. The flow and mass wastage of Eliot Glacier, Mt. Hood, Oregon: Examining glacier change. *Geological Society of America Abstracts with Programs*, 37(7):423.

## **PRESENTATIONS**

**03.03.2006** Jackson, K.M., Schlichting, R.B., and Fountain, A.G. "Eliot Glacier: 104 years of change" Hood River Community Education Program, Hood River, Oregon

**10.21.2005** Jackson, K.M. "Spatial and morphological change on Eliot Glacier Hood, Oregon" Northwest Glaciology Annual Meeting, Vancouver, British Columbia

**10.18.2005** Fountain, A.G., Basagic, H.J., Hoffman, M.J., Jackson, K.M., and Percy, D. "Historic glacier changes in the American West," Geological Society of America Annual Meeting, Salt Lake City, Utah

**02.26.2005** Jackson, K.M. "The flow and mass wastage of Eliot Glacier, Mount Hood, Oregon: Examining Glacier Change" Oregon Academy of Sciences Annual Meeting, Corvallis, Oregon

**10.15.2004** Jackson, K.M. "Eliot Glacier, Mount Hood, Oregon" Northwest Glaciology Annual Meeting, Seattle, Washington

## **POSTER PRESENTATIONS**

**09.20.2006** Jackson, K.M. and Fountain, A.G. "The effect of debris on glacier response to climate, Eliot Glacier, Mount Hood, Oregon," MTNCLM Annual Meeting, Timberline, Oregon

**08.24.2006** Jackson, K.M. and Fountain, A.G. "Spatial and morphological change on Eliot Glacier, Mount Hood, Oregon, USA," International Glaciological Society, International Symposium on Cryospheric Indicators of Global Climate Change, Cambridge, UK

- 10.18.2005** Jackson, K.M. and Fountain, A.G. "The flow and mass wastage of Eliot Glacier, Mt. Hood, Oregon: Examining Glacier Change," Geological Society of America Annual Meeting, Salt Lake City, Utah
- 04.21.2005** Jackson, K.M. and Fountain, A.G. "The flow and mass wastage of Eliot Glacier, Mt. Hood, Oregon: Examining Glacier Change" Sigma Xi Student Research Symposium, Portland, Oregon
- 04.19.2005** Jackson, K.M. and Fountain, A.G. "The flow and mass wastage of Eliot Glacier, Mt. Hood, Oregon: Examining Glacier Change" Association of Engineering Geologists Student Poster Night, Portland, Oregon
- 05.24.2002** "Infant Mortality Patterns and Land Use in Baltimore, Maryland, 1880," Voinovich Undergraduate Scholars Presentations, Athens, Ohio

#### **TECHNICAL PROFICIENCIES**

- ArcGIS 8.x and 9.x
- Trimble GeoXT GPS units as well as Pathfinder Office
- Microsoft Word, Excel, Access, and Powerpoint
- Photogrammetry and remote sensing

#### **GRANTS RECEIVED**

- Geological Society of America Graduate Student Research Grant, \$1,100 (2005)
- Mazamas Graduate Student Research Grant, \$1,280 (2005)
- Geological Society of America Graduate Student Research Grant, \$1,900 (2004)
- Sigma Xi Grants-in-Aid of Research, \$200 (2004)

#### **AWARDS**

- Third place, Association of Environmental and Engineering Geologists Student Poster Session, Portland State University, annual membership
- Voinovich Center Undergraduate Research Scholar, Baltimore Ecosystem Study LTER Program

## REFERENCES

- Andrew G. Fountain  
Dept. of Geology  
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Portland, OR 97207-0751  
503.725.3386  
andrew@pdx.edu
- Jim E. O'Connor  
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- Keith S. Hadley  
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