

**Travis J. Woolley**  
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## **Professional Preparation:**

**B.S. in Natural Resources**, Oregon State University Corvallis, OR, 2001

Specialty Option: *Forest Ecosystems*  
Advisors: Dr. Rebecca Johnson and Dr. Barbara Schrader

**M.S. in Forest Science**, Oregon State University Corvallis, OR, 2006

Thesis: *Inter-annual Variability of Stand Productivity in the Central Cascades of Oregon: Methods of Estimation and Examination of Spatial Coherence*  
Advisors: Dr. Mark E. Harmon and Dr. Kari B. O'Connell

## **Appointments:**

|                     |  |
|---------------------|--|
| <b>2007-present</b> | Faculty Research Assistant, Forest Science Department, Oregon State University         |
| <b>2006-2007</b>    | Biological Science Technician, Forest Science Department, Oregon State University      |
| <b>2002-2005</b>    | Graduate Research Assistant, Forest Science Department, Oregon State University        |
| <b>2000-2002</b>    | Forest Ecology Field/Lab Assistant, Forest Science Department, Oregon State University |
| <b>1998-1999</b>    | Timber Inventory Crew/Crew Leader, OSU Research Forests Oregon State University        |

## **Professional Qualifications:**

### **Data Collection and Sample Processing**

- Training and supervision of forest ecology and inventory and field crews.
- Set up and re-measurement of long-term understory and overstory vegetation plots and assessment of tree mortality causes.
- Measurement of coarse and fine woody debris.
- Collection of soil, litter, and vegetation samples, and soil moisture data.

## **Data Collection and Sample Processing cont.**

- Preparation of soil, coarse and fine woody debris, and litter samples in a laboratory setting for chemical analyses.
- Rare plant population surveying and plant association verification.
- Set up and maintenance of a greenhouse experiment on understory plants.

## **Analytical Skills**

- Database development and management.
- Univariate and Multivariate (community) statistical analyses
- Software Packages
  - SAS Statistical Software
  - S-Plus Statistical Software
  - PC-ORD Community Analysis Software
  - SigmaPlot
  - Microsoft Word, Excel, PowerPoint, Access
  - FoxPro
  - ArcView 3.2, ArcMap 9.2, ARCINFO

## **Contracting Services**

- The Nature Conservancy – Vegetation Ecology (Ellsworth Creek Preserve)
- Willamette National Forest – Database and monitoring protocol review

## **Honors and Awards**

Jack Morgan Graduate Fellowship 2002-2003  
Xi Sigma Pi Forestry Honors Society

## **Academic Service:**

Department of Forest Science Graduate Student Representative 2004 – 2005

- Organized and participated in graduate student orientation.
- Assisted in the organization of departmental spring seminar series.
  - Contacting and arrangement of travel for a visiting speaker
- Graduate Education Review Committee.
  - Researched and reported on graduate student teaching opportunities within the Department of Forest Science.
- Co-led Long term Ecological Research International Graduate Student Symposium

Xi Sigma Pi Forestry Honors Society

- Officer 2004-2005

## **Peer Reviewed Publications:**

**Woolley, T.J.,** Harmon, M.E., and O'Connell, K.E. (2007) *Estimating Annual Bole Biomass Production Using Uncertainty Analysis*. *Forest Ecology and Management* 253, 202-210.

**Woolley, T.J.,** Harmon, M.E., and O'Connell, K.E. *Inter-annual variability and spatial coherence of Net Primary Productivity across a Western Oregon Cascades landscape*. *Global Change Biology*. *In review*.

**Woolley, T.J.,** Shaw, D.S., Ganio, L.M., Fitzgerald, S. *Post-fire Tree Mortality of Western North American Conifers: A Review of Predictive Models*. *International Journal of Wildland Fire*. *In review*

## **Non-Peer Reviewed Publications:**

**Woolley, T.J.,** Shaw, D., and Hagar, J. (2007). *Created Wildlife Tree Monitoring Report: Trends and Future Recommendations*. Internal report to the McKenzie River Ranger District, Willamette National Forest.

**Woolley, T.J.,** Shaw, D.S., Ganio, L.M., Fitzgerald, S. (2008). *Post-fire Tree Mortality of Western North American Conifers: A Review of Predictive Models*. Internal report to the Western Wildland Environmental Threat Assessment Center.

## **Abstracts, Posters, and Presentations:**

**Woolley, T.J.,** Harmon, M.E., and O'Connell, K.E. *Inter-annual variability and spatial coherence of stand productivity in the central Oregon Cascades*. Presentation at the 90<sup>th</sup> Annual Meeting of the Ecological Society of America, Montreal, Quebec, 2005

**Woolley, T.J.,** Harmon, M.E., and O'Connell, K.E. *Inter-annual variability and spatial coherence of stand productivity in a small second-growth watershed in the central Oregon Cascades*. Presentation at the Long-Term Ecological Research Network Student Symposium, Blue River, OR, 2005

**Woolley, T.J.,** Harmon, M.E., and O'Connell, K.E. *Inter-annual variability and spatial coherence of stand productivity in a small second-growth watershed in the central Oregon Cascades*. Presentation at the Annual Northwest Science Meeting, Corvallis, OR, 2005

**Woolley, T.J.,** Harmon, M.E., and O'Connell, K.E. *Estimating annual stand productivity using uncertainty analysis*. Presentation at the 89th Annual Meeting of the Ecological Society of America, Portland, OR, 2004

**Woolley, T.J.**, Harmon, M.E., and O'Connell, K.E. *Estimating annual stand productivity: Determining sampling methodology using uncertainty analysis.* Poster at the H.J. Andrews 6<sup>th</sup> and 7<sup>th</sup> Annual Symposium, Corvallis, OR, 2004, 2005

**Professional Affiliations:**

Ecological Society of America  
Long-Term Ecological Research Program