

Nathan A. Briggs
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(Until 15 December 2010)

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(After 15 December 2010)

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| Education and Training |
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- 2010 - **Master of Science**, Forest Ecology and Management, University of Freiburg, Germany
Master's Thesis: Root system recovery on naturally regenerated Douglas-fir trees from suppression after canopy removal through natural (blow-down) or human (harvest) disturbance.
- 2008 - **Master of Science**, Forest Resources, University of Maine, Orono, ME
Master's Thesis: Forest cover change and assessment of drivers of forest conversion in Midcoast Maine between 2000 and 2006.
- 2005 - **Bachelor of Arts**, Environmental Studies, Allegheny College, Meadville, PA
Bachelor Thesis: Timber investment management organizations: a study of sustainable forestry in Pennsylvania.

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| Employment and Internship Experience |
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- March 2009 - Present - **Graduate Research Assistant**,
Institute of Silviculture, University of Freiburg, Freiburg im Breisgau, Germany.
Silvicultural research for PhD candidates and professors across a variety of study areas.
- 2009 - **Graduate Teaching Assistant**,
Teaching assistant for Silviculture and Intro to GIS courses.
- August 2009 - October 2009 - **Forester Intern**,
Freiburg Forestry Office, Freiburg im Breisgau, Germany
Assisted in harvest marking, road layout, stand/harvest inventory, and felling/harvest operations.
- February 2007 - June 2008 - **Graduate Research Assistant**,
Maine Image Analysis Lab (MIAL), University of Maine, Orono, ME
Research with remotely sensed image (Landsat TM/ETM+ and aerial photography) processing, analysis, and GIS integration for various natural resource managers in the Northeast.
- April 2004 - June 2004 - **Forestry Intern**,
Asbury Woods Nature Center, Erie, PA
Review and implementation of management plan and research regarding invasive forest vegetation.
- Summer/Winter 2002-2004 and June-December 2005 - **Assistant site manager**,
A. R. Building Company, Pittsburgh, PA
Maintained work-site and provided input to management regarding environmental decisions such as appropriate erosion control and landscape management during and after construction.

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| Collaborative Efforts and Community Involvement |
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- Environmental Solutions Initiative**, Fall, 2007 - Participation in a project working with local Maine towns and stakeholders regarding shoreline management issues in the Penobscot River watershed.
- What a Waste Module/Action Plan, Earth Force Pennsylvania**, Junior Seminar Project (2004):

Developed a web page providing information on solid waste management and reduction for local citizens and educational curriculum.

Professional Societies and Associations

- Society of American Foresters - since 2006
- Forest Guild - since 2008
- Pennsylvania Forestry Association - since 2009

Skills and Other Interests

Computer Proficiency:

- Microsoft Office (Word, Excel, PowerPoint),
- ERDAS Imagine 9.0 software, ArcGIS software,
- SAS Statistical software, SPSS software,
- USFS Forest Vegetation Simulator (FVS), TSAPWin (Time Series Analysis Program for Windows)

Field Proficiency: Haglof Vertex, Laser Technology True Pulse, Criterion RD 1000 (laser diameter)

Additional languages: German (beginner/intermediate)

Other interests:

- Competitive Timbersports
- Outdoor activities and work
- Domestic and International travel and cultural interaction

Publications

Briggs, Nathan A. and Steven A. Sader. 2009. Tracking Forest Change and Development Using Low-Cost Remote Sensing Imagery and GIS Integration. *Northern Journal of Applied Forestry*. 26(4):148-155.

Briggs, Nathan A., Robert Freeman, Holly Theriault, Sarah LaRochelle, Robert J. Lilieholm, and Christopher Cronan. 2008. Modeling Riverbank Stability and Potential Risk to Development in the Penobscot River Estuary of Maine, USA. *Environmental Problems in Coastal Regions VII*. Ed. C.A. Brebbia. WIT Press: Southampton. pp. 111-118.

Lilieholm, R.J., D. Hart, K.P. Bell, S. Sader, G. Zydlewski, C. Cronan, and **N. Briggs***. 2007. Alternative Futures for the Penobscot River Watershed: A Collaborative Approach to Sustainable Resource Use. USDA Forest Service GTR. *student co-author