

Curriculum Vitae

Todd A. LaMaskin

Department of Geological Sciences
1272 University of Oregon
Eugene, OR 97403-1272

EDUCATION

Current: Ph.D. Candidate at University of Oregon, Eugene, Oregon.

Master of Science Degree in Earth and Planetary Sciences 1995

University of New Mexico, Albuquerque, New Mexico

Thesis: Cyclostratigraphy and Sequence Stratigraphy of the Middle-Upper Devonian Guilmette Formation, Southern Egan and Schell Creek Ranges, Nevada.

Bachelor of Science Degree in Geology 1992, cum laude

Radford University, Radford, Virginia

Thesis: Depositional Environments and Ichnofacies of the Silurian Rose Hill Formation, Western Virginia.

HONORS & SCHOLARSHIPS

2008: Clarence & Lucille Dunbar Scholarship, University of Oregon, College of Arts and Sciences

2008: University of Oregon Doctoral Fellowship, Geological Science Departmental Nominee

2007: Good Citizen Award, University of Oregon, Dept. Geological Sciences

2006: Good Citizen Award, University of Oregon, Dept. Geological Sciences

2005: Baldwin Fellowship, University of Oregon, Dept. Geological Sciences

2004: Baldwin Fellowship, University of Oregon, Dept. Geological Sciences

1994: Jean-Luc Miossec Memorial Scholarship, University of New Mexico

1993: Geology Field Alumni Scholarship, University of New Mexico

1993: Fall Field Conference Scholarship, Los Alamos Geological Society

1992: Tarr Award from Sigma Gamma Epsilon for Outstanding Performance in Earth Sciences, Radford University

1992: Who's Who in American Colleges and Universities, Radford University

1992: General Academic Scholarship, Radford University

FUNDED GRANTS

2005: AAPG, Grant-in-Aid of Research, Robert K. Goldhammer Memorial Grant

2005: Geological Society of America, Graduate Student Research Grant

2005: Sigma Xi, Grant-in-Aid of Research

2004: University of Oregon Graduate School, Research Award

2004: Geological Society of America, Graduate Student Research Grant

2004: SEPM Foundation, Inc., Graduate Student Grant from the Weimer Fund

1993: Student Resources Allocations Committee, University of New Mexico

ACTIVITIES AND SERVICE

2008: Geology Walking-Tour Leader: Mt. Pisgah Arboretum Guided Walks, Spring '08, Eugene, OR.

2007: Session Co-Convener, Geological Society of America Annual Meeting, Denver, CO.

2006: GSA Distinguished Mentor, Roy J. Shlemon Mentor Program in Applied Geoscience Cordilleran Section Meeting

2004: GSA Distinguished Mentor, Roy J. Shlemon Mentor Program in Applied Geoscience Cordilleran/Rocky Mountain Section Meeting

2003: Participant, GSA Position Statement on the Value of Geologic Mapping

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2003: GSA Distinguished Mentor, Roy J. Shlemon Mentor Program in Applied Geoscience South-Central and Southeastern Section Meeting
1993-1994: Co-President, Association of Geology Graduate Students; University of New Mexico
1994: Grant Proposal Reviewer, University of New Mexico Student Resources Allocations Committee
1990-1991: President, Radford University Geological Society
1990-1991: Vice-President, Sigma Gamma Epsilon, National Honor Society for Earth Sciences, Epsilon Eta Chapter at Radford University

PROFESSIONAL MEMBERSHIPS

Geological Society of America: 1993-present
International Association of Sedimentologists: 1992-1995; 2004-present
National Groundwater Association: 1998-present
Air and Waste Management Association: 1997-present

COURSES TAUGHT

Earth's Dynamic Interior (GEO 101) – Lecture and Lab
Physical Geology Laboratory
Historical Geology Laboratory
Field Geology of New Mexico
Sedimentology and Stratigraphy Laboratory
Data Analysis in the Geosciences Laboratory
Sedimentary Petrography Laboratory
Sedimentary Basin Analysis Laboratory
Seminar on the Geology of the Blue Mountains
Selected Lectures in Sedimentology and Stratigraphy (300-level)
Selected Lectures in Physical Geology (200-level)
Selected Lectures in Data Analysis in the Geosciences (500-level)

EXPERIENCE

Instructor, Current
Lane Community College, Cottage Grove, Oregon

Graduate Teaching Fellow, Current
University of Oregon, Eugene, Oregon

Principal Geologist, October 2000 to Current
URS Corporation, Richmond, Virginia
Managed operations of Geoenvironmental Group. Oversight of technical and managerial aspects of environmental/engineering consulting projects.

Project Manager/Director of Geoenvironmental Services, January 1999 to October 2000
Hatcher-Sayre, Inc., Richmond, Virginia
Managed operations of Geoenvironmental Division. Oversaw technical and managerial aspects of environmental/engineering consulting projects.

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Staff Geologist/Project Geologist, May 1996 to January 1999

Dames and Moore, Inc., Richmond, Virginia

Managed and assisted in a wide variety of environmental/engineering consulting projects throughout the U.S.

Exhibit Interpreter, September 1995 to May 1996

Science Museum of Virginia, Richmond, Virginia

Led group tours of museum, prepared display materials, and conducted demonstrations. Worked primarily with children grades K through 12.

Research Assistant

University of New Mexico, Summer 1993

M.S. Degree research program; fieldwork in central Nevada, laboratory conodont sample preparation.

Teaching Assistant, September 1992 to May 1994

University of New Mexico, Albuquerque, New Mexico

Organized and taught 100- through 300-level earth science laboratory courses and delivered 300-level earth science lectures.

CONFERENCE PRESENTATIONS

2008: Goldschmidt Conference, Vancouver, British Columbia (Oral)

2008: Oregon Academy of Science Annual Meeting (Oral)

2007: Geological Society of America Annual Meeting (Oral)

2007: Geological Society of America Cordilleran Section Meeting (Oral)

2006: Geological Society of America Cordilleran Section Meeting (Oral)

2005: Geological Society of America Annual Meeting (Oral)

2004: Geological Society of America, Cordilleran-Rocky Mountain Section Meeting (Poster)

2003: Geological Society of America Annual Meeting (Poster)

2003: Geological Society of America, South-Central and Southeastern Section Meeting (Poster)

1995: Society for Sedimentary Geology (SEPM), Conference on Linked Earth Systems (Oral)

1994: Geological Society of America, Cordilleran Section (Poster)

1992: Virginia Academy of Sciences, Annual Meeting (Oral)

PROFESSIONAL PUBLICATIONS

LaMaskin, T.A., 2008, Late Triassic (Carnian-Norian) Mixed Volcaniclastic-Carbonate Facies of the Olds Ferry Terrane, Eastern Oregon and Western Idaho: *in*, Blodgett, R., and Stanley, G., *eds.*, The Terrane Puzzle: New Perspectives on Paleontology and Stratigraphy from the North American Cordillera: Geological Society of America Special Paper 442, p. 251-267.

Dorsey, R.J., and **LaMaskin, T.A.**, 2008, Mesozoic collision and accretion of oceanic terranes in the Blue Mountains Province of northeastern Oregon: New Insights from the stratigraphic record, *in* Spencer, J.,E. and Titley, S.R., *eds.*, Circum-Pacific Tectonics, Geologic Evolution, and Ore Deposits: Tucson, Arizona, Arizona Geological Society, Digest 22.

Dorsey, R.J., and **LaMaskin, T.A.**, 2007, Stratigraphic Record of Triassic-Jurassic Collisional Tectonics in the Blue Mountains Province, Northeastern Oregon: *American Journal of Science*, v. 307, p. 1167-1193.

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- LaMaskin, T.A.**, and Elrick, M., 1997, Sequence Stratigraphy of the Middle to Upper Devonian Guilmette Formation, Southern Egan and Schell Creek Ranges, Nevada: *in*, Klapper, G., Murphy, M.A., and Talent, J.A., *eds.*, Paleozoic Sequence Stratigraphy, Biostratigraphy, and Biogeography: Studies in Honor of J. Granville (Jess) Johnson: Geological Society of America Special Paper 321, p. 89-112.
- LaMaskin, T.A.**, Dorsey, R.J., and Vervoort, J. V., *In Press*, Geochemical provenance of Mesozoic mudrocks, eastern Oregon and western Idaho: Implications for Cordilleran tectonics: Submitted to Journal of Sedimentary Research.
- LaMaskin, T.A.**, Dorsey, R.J., and Vervoort, J.D., *In Prep.*, Modification of Forearc Basin Architecture During Nascent Arc-Arc Collision: Late Triassic Orogeny in Oregon Revealed from Regional-Scale Basin Development: For submission to Basin Research.
- LaMaskin, T.A.**, and Stanley, G, Jr., *In Prep.*, Detrital Record of Reefal Facies in the Blue Mountains Accretionary Province, Eastern Oregon: For submission to Journal of Paleontology.

PUBLISHED ABSTRACTS

- LaMaskin, T.A.**, Vervoort, J. and Dorsey, R.J., 2008, **Invited:** Geochemical, Isotopic and Detrital-Zircon Provenance of Mesozoic Rocks, Oregon and Idaho, U.S.A. (abstr.): Goldschmidt 2008, Vancouver, B.C., *Geochimica et Cosmochimica, forthcoming.*
- Dorsey, R.J., **LaMaskin, T.A.**, and Vervoort, J.D., 2008, Sedimentary record of Triassic-Jurassic terrane collision and accretion in the Blue Mountains Province, eastern Oregon (abstr.): Geological Society of America Abstracts with Programs, Vol. 40, No. 1, p. 47.
- LaMaskin, T.A.**, Dorsey, R.J., and Vervoort, J.D., 2008, Provenance of Mesozoic rocks in eastern Oregon and western Idaho (abstr.): Oregon Academy of Sciences, Portland, Oregon.
- LaMaskin, T.A.**, Dorsey, R.J., and Vervoort, J.D., 2007, Insights into the Mesozoic Tectonic History of the Blue Mountains Province, Eastern Oregon, from Initial Results of Detrital Zircon Dating (abstr.): Geological Society of America Abstracts with Programs, Vol. 39, No. 6, p. 208.
- Dorsey, R.J., and **LaMaskin, T.A.**, 2007, Collisional-Basin Origin for Jurassic Marine Deposits in The Blue Mountains Province, Northeastern Oregon (abstr.): Geological Society of America Abstracts with Programs, Vol. 39, No. 6, p. 208.
- LaMaskin, T.A.**, Vervoort, J. and Dorsey, R.J., 2007, Geochemistry of Triassic and Jurassic mudrocks in the Blue Mountains, eastern Oregon: new insights into sedimentary provenance and basin evolution (abstr.): Geological Society of America Abstracts with Programs, Vol. 39, No. 4.
- LaMaskin, T.A.**, and Dorsey, R.J., 2006, Basinal response to nascent arc-arc collision: Late Triassic-Early Jurassic of the Blue Mountains Province, northeastern Oregon (abstr.): Geological Society of America Abstracts with Programs, Vol. 38, No. 5, p. 36
- Dorsey, R.J., and **LaMaskin, T.A.**, 2006, Mesozoic arc-arc and arc-continent collision in the Blue Mountains Province, northeastern Oregon: A new hypothesis to be tested (abstr.): Geological Society of America Abstracts with Programs, Vol. 38, No. 5, p. 36.
- LaMaskin, T.A.**, 2005, Mixed carbonate-volcaniclastic facies of the Olds Ferry terrane, eastern Oregon and western Idaho (abstr.): Geological Society of America Abstracts with Programs, Vol. 37, No.7, p. 16.

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LaMaskin, T.A., Dorsey, R.J., and Northrup, C.J., 2004, Tectono-Stratigraphic Architecture of Upper Triassic Through Middle Jurassic Strata in Eastern Oregon: Implications for Tectonic Evolution of The Blue Mountains: (abstr.): Geological Society of America Abstracts with Programs, Vol. 36, No. 4, p. 36.

LaMaskin, T.A., Woodworth, A.D., Spangler, J.H., Welch, M.S., Sergi, S. and Banks, T.L., 2003, Conceptual Site Model Development for an Unlined Solid Waste Landfill in the Virginia Coastal Plain: Evidence for Natural Attenuation of Chlorinated Solvents (abstr.): Geological Society of America Program with Abstracts, Vol. 35, No. 1, p. 3.

LaMaskin, T.A., and Spencer, J.O., 2003, Subsurface Site Characterization Using the Integration of Multiple Data Platforms: The Whole is Greater Than the Sum of the Parts (abstr.): Geological Society of America Abstracts with Programs, Vol. 35, No. 6, p. 406.

LaMaskin, T.A., and Elrick, M., 1995, Sequence Stratigraphy of the Middle to Upper Devonian Guilmette Formation, Eastern Nevada: Linked Earth Systems (abstr.): 1995 Society of Economic Paleontologists and Mineralogists Meeting, St. Petersburg, Florida, Vol. 1.

LaMaskin, T.A., and Elrick, M., 1994, Facies Relationships and Characterization of Meter-scale, Upward-shallowing Cycles in the Upper Devonian Guilmette Formation, Eastern Great Basin (abstr.): Geological Society of America Program with Abstracts, Vol. 26, No. 2, p. 65.

LaMaskin, T.A., Witteman, T.A., and Watts, C.F., 1992, An Introduction to the Rockfall Hazard Rating System (abstr.): Virginia Journal of Science, Vol. 43, p. 264.

Witteman, T.A., **LaMaskin, T.A.**, and Watts, C.F., 1992, Examples of Applications of the Rockfall Hazard Rating System to Virginia Highways (abstr.): Virginia Journal of Science, Vol. 43, p. 266.

SELECTED PROFESSIONAL REPORTS

URS Corporation, 2003, Chesapeake Energy Center Industrial Landfill - Nature and Extent Study/Assessment of Corrective Measures: Primary Authors: LaMaskin and M.S. Welch.

URS Corporation, 2002, RCRA Facility Investigation Workplan, SWMU 54: Radford Army Ammunition Plant, Radford, Virginia: USEPA Region III Approved Document, Primary Authors: LaMaskin & J.O. Spencer.

URS Corporation, 2002, RCRA Facility Investigation Workplan, SWMU 40/71: Radford Army Ammunition Plant, Radford, Virginia: USEPA Region III Approved Document, Primary Author: LaMaskin.

URS Corporation, 2002, SWMU 6 Decision Document: Radford Army Ammunition Plant, Radford, Virginia: USEPA Region III Approved Document, Primary Author: LaMaskin.

URS Corporation, 2002, Wilcox Closed Sanitary Landfill, Nature and Extent Study/Assessment of Corrective Measures: Virginia Department of Environmental Quality Approved Document. Primary Author: LaMaskin.

Hatcher-Sayre, 2000, HH Burn Pit Superfund Site: Remedial System Startup Report: USEPA Region III Approved Document, Primary Author: LaMaskin.

Dames and Moore, 1998, RCRA Closure Report: Former Pesticide Shop, Fort A.P. Hill, Virginia: Virginia Department of Environmental Quality Approved Document, Clean Closure Granted, Primary Author: LaMaskin.

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INVITED PRESENTATIONS

- 2008: Geological Society of the Oregon Country: Geologic Evolution of the Blue Mountains Province, eastern Oregon and western Idaho
- 2008: University of Oregon, School of Law: Geologic Perspectives on Global Climate Change
- 2007: Lane Community College, Eugene, Oregon: Terranes of the Blue Mountains. Laboratory Exercise
- 2006: Lane Community College, Eugene, Oregon: Deciphering the Paleozoic & Mesozoic History of the Blue Mountains Region, Oregon and Idaho
- 2006: Geological Society of America Field Forum: Regional Sedimentary Basin Analysis of the Blue Mountains Accreted Terranes
- 2006: University of Oregon: Tips for Technical Writing as a Consulting Geologist.
- 2005: University of Oregon, School of Law: Assessing Baseline Risk and Remediation Goals at Superfund Sites
- 2003: Goochland County Planning Commission, Goochland, Virginia: Incorporating Groundwater Planning into the County Master Planning Process
- 2002: Goochland County Board of Supervisors, Goochland, Virginia: Groundwater Sources in Goochland County: The Planning Process

FIELD CONFERENCES/CONTINUING EDUCATION/SEMINARS ATTENDED

- 2006: Tectonic Significance of Vertical Boundaries in the Cordillera: Geological Society of America: Lead by Scott Giorgis, Basil Tikoff and Bill McLelland
- 2004: Upper Paleozoic Continental Margin Tectonics of the Western U.S.: Tectonostratigraphic Framework of Nevada: Elko Area: Geological Society of America, Combined Cordilleran-Rocky Mountain Section Meeting: Lead by Jim Trexler, Pat Cashman and Walter Snyder
- 2003: Tobacco Root Geological Society: Belt Symposium IV: Salmon, ID
- 2002: High-Strain Zones in the Virginia Piedmont: Virginia Geologic Field Conference: Lead by Dr. Christopher Bailey, College of William and Mary and David Spears, Virginia Division of Mines, Minerals and Energy
- 2001: Post-Impact Deformation Associated with the Chesapeake Bay Impact Structure: Virginia Geologic Field Conference: Lead by Dr. Gerald Johnson, College of William & Mary
- 2001: Groundwater & Surface Water Monitoring Seminar, SWANA, Augusta, Virginia
- 1999: Virginia Brownfields Conference, Virginia DEQ, Richmond, Virginia
- 1999: Enhanced Natural Attenuation Seminar, Regenesys, Inc., Norfolk, Virginia
- 1999: Due Dilligence at Dawn Seminar, EDR, Inc., Crystal City, Virginia
- 1999: Risk Management for Project Managers: ASFE, Arlington, Virginia
- 1995: New Mexico Geological Society Annual Field Conference: Guadalupe Mtns. and Carlsbad Area.
- 1994: Devonian Alamo Breccia, Nevada: American Association of Petroleum Geologists Field Trip: Lead by Dr. John Warne