

Dr. Amanda M Little

Associate Professor, University of Wisconsin- Stout
Biology Department
College of Science, Technology, Engineering, Mathematics and
Management

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Teaching Interests: Ecology, plant taxonomy, wetland ecology, restoration ecology, non-majors biology

Research Interests: My research program currently focuses on the metacommunity dynamics of ephemeral ponds. Historically, my research agenda has been very broad and interdisciplinary, including research on invasive plant species, prairie restoration, geographic information systems (GIS) applications to natural resource problems, wetland vegetation dynamics, and the scholarship of teaching and learning.

Education

- **Ph D Botany**
University of Wisconsin- Madison
Madison, WI, 2005
- **MS Botany and Landscape Architecture**
University of Wisconsin- Madison
Madison, WI, 2002
- **BS Natural Resource Mangement and Biology**
University of Wisconsin - Stevens Point
Stevens Point, WI, 1999
- **MLA Candidate Landscape Architecture**
University of Michigan
Ann Arbor, MI, 1999

Work Experience

Academic - Post-Secondary

- **University of Wisconsin- Stout**
Associate Professor
June 2008 -
- **University of Wisconsin-Stout, Honors College**
Assistant Director
May 2012 - May 2013
- **University of Minnesota- Duluth**
Consultant for the Natural Resources Research Institute
August 2005 - May 2008
- **University of Minnesota- Duluth**
Teaching Assistant Professor (non-tenure-track)
August 2005 - May 2008
- **Edgewood College**
Full-time Adjunct Teachng Faculty
August 2004 - May 2005
- **UW-Madison, Department of Biology**
Graduate Teaching Assistant
August 2001 - May 2004

Government

- **US Geological Survey Patuxent Wildlife Research Center**
Student Biological Technician
June 2000 - July 2005

Intellectual Contributions

Journal Article

- Smith, C., DeKeyser, E. S., Dixon, C., Kobiela, B., & Little, A. M. Effects of sediment removal on prairie pothole wetland plant communities in North Dakota. *Natural Areas Journal*, 36, 48-58.
- Olson, C., Ritchie, J., Little, A. M., & Church, J. Plant species richness determinants in ephemeral ponds and permanent wetlands. *UW-Stout Journal of Student Research*, 14, 150-163.
- Little, A. M., Smith, A., Kilibarda, S., & Church, J. Environmental Factors Influencing Wood Frog (*Lythobates sylvaticus*) Tadpole Size. *UW-Stout Journal of Student Research*, 14, 120-127.
- Gehant, P., Little, A. M., & Church, J. Seasonal trends in permanent and ephemeral wetland water chemistry. *UW-Stout Journal of Student Research*, 14, 215-223.
- Lynum, C., Amundson, R., Kuchta, M., Little, A. M., Hyde, T., & Perez, K. E. *Hendersonia occulta* (Say 1831), the Cherrystone drop snail (Gastropoda, Helicinidae), extended geographic distribution. *Checklist*, 9(2), 472-474.
- Hoopes, M. F., Marsh, D. M., Beard, K. H., Goldberg, N., Aparicio, A., Arbutnot, A., Hixon, B., Laflower, D., Lee, L., Little, A. M., Mooney, E., Pallette, A., Ravenscraft, Scheele, S., Stowe, K., Sykes, C., Watson, R., & Yang, B. Invasive Plants in U.S. National Wildlife Refuges: A Coordinated Research Project with Undergraduate Ecology Students. *BioScience*, 63(8), 644-656.
- Bernier, C., & Little, A. M. Wet prairie restoration methods affect species richness and transplant survival. *UW-Stout Journal of Student Research*, 12, 281-288.
- Schoolmaster, D. R., Grace, J. B., Schweiger, E. W., Guntenspergen, G. R., Mitchell, B. R., Miller, K. M., & Little, A. M. An algorithmic and information-theoretic approach to multimetric index construction. *Ecological Indicators*, 26, 14-23.
- Grace, J. B., Schoolmaster, D. R., Pearl, J., Guntenspergen, G. R., Little, A. M., Mitchell, B. R., Milel, K. M., & Schweiger, E. W. Guidelines for graph-theoretic implementation of structural equation modeling. *Ecosphere*, 3, 1-44.
- Little, A. M., Guntenspergen, G. R., & Allen, T. F. Wetland vegetation dynamics in response to beaver (*Castor canadensis*) activity at multiple scales on Mount Desert Island, Maine, USA. *EcoScience*, 3, 246-257.
- Lee, L., Yang, B., & Little, A. M. Rye cover crops limit *Alliaria petiolata* growth and promote prairie restoration. *UW-Stout Journal of Student Research*(11), 16-23.
- Little, A. M., & Hoel, A. Interdisciplinary team teaching: An effective method to transform student attitudes. *Journal of Effective Teaching*, 11(1), 36-44.
- Little, A. M., Guntenspergen, G. R., & Allen, T. F. Conceptual hierarchical modeling to describe wetland plant community organization. *Wetlands*, 30, 55-65.
- Little, A. M., Allen, T. F., & Giampietro, M. Distinguishing ecological engineering from environmental engineering. *Ecological Engineering*, 20, 389-407.
- Tainter, J. A., Allen, T. F., Little, A. M., & Hoekstra, T. W. Resource transitions and energy gain: contexts of organization. *Conservation Ecology*, 7(7).

Abstract

- Little, A. M., Kuchta, M. A., Church, J., Hines, M., & Osborne, E. Geomorphology and watershed soil texture influences peat development, water chemistry, and hydroperiod in wetlands of western Wisconsin's Chippewa Moraine. *Geological Society of America Abstracts with Programs*, 46(6), 151.

Book, Chapter

- Little, A. M. Sampling and Analyzing Wetland Vegetation. IN Anderson, J. T., & Davis, C. A. (Eds.), *Wetland Techniques: Volume 1: Foundations*, Chapter 5, Dordrecht: Springer.

Proceedings of the ASQ STEM Agenda Conference

- Hashmi, M. P., Little, A. M., & Grant, J. E. Interdisciplinary lesson study: Using case studies to build graph interpretation and web evaluation skills, and student enthusiasm (Proceedings of the ASQ STEM Agenda Conference).

PhD Thesis

- Little, A. M. The effects of beaver inhabitation and anthropogenic activity on freshwater wetland plant community dynamics on Mount Desert Island, Maine, USA (PhD Thesis). , Madison, WI.

MS Thesis

- Little, A. M. Resource quality and beaver spatiotemporal dynamics (MS Thesis). , Madison, WI.

Presentations

Regional

- Little, A. M., & Church, J. (2015). A Tale of Two Summers: Ephemeral Pond Plant Communities Respond to Interannual Climate Variability. Wisconsin Wetlands Association, Madison, WI.
- Church, J., & Little, A. M. (2015). Ecological constraints on faunal communities in forested wetlands in west-central Wisconsin. Wisconsin Wetlands Association, Madison, WI.
- Church, J., & Little, A. M. (2014). The Chippewa Moraine Ephemeral Ponds Project. Wisconsin Wetlands Association, La Crosse, WI.
- Little, A. M., & Church, J. (2014). Vegetation of Western Wisconsin ephemeral ponds. Wisconsin Wetlands Association, La Crosse, WI.
- Little, A. M., Guntenspergen, G. R., & Neckles, H. (2013). Sphagnum community dynamics in response to beaver and human activity in isolated coastal peatlands of Mount Desert Island, Maine, U.S.A.. Society of Wetland Scientists, Duluth, MN.
- Little, A. M., Guntenspergen, G. R., & Neckles, H. (2013). Sphagnum community dynamics in response to beaver and human activity in isolated coastal peatlands of Mount Desert Island, Maine, U.S.A.. Wisconsin Wetlands Association, Sheboygan, WI.
- Little, A. M. (2012). Service learning in non-majors biology: Learning outcomes and lessons from the field. ASQ STEM Agenda Conference, Menomonie, WI.
- Little, A. M. (2012). Riparian soil, reed canarygrass (*Phalaris arundinacea*) and plant species richness in trout stream restorations. Wisconsin Wetlands Association, Lake Geneva, WI.
- Little, A. M. (2012). Planning successful service learning projects. Wisconsin Women and Science Spring Conference, Wisconsin Dells, WI.
- Carlson, K. M., Hashmi, M. P., Vande Linde, A. M., Little, A. M., & Kirk, J. S. (2012). Strategically aligning student-learning outcomes with community needs to develop a more sustainable, intentional, and cohesive curriculum. Workshop for ASQ STEM Agenda Conference, Menomonie, WI.
- Hashmi, M. P., Little, A. M., & Grant, J. E. (2011). Interdisciplinary lesson study: Using case studies to build graph interpretation and web evaluation skills, and student enthusiasm. ASQ STEM Agenda Conference, Menomonie, WI.
- Little, A. M. (2011). Student academic development and gains in a loosely-structured service-learning project: A tale of two sections. UW-System President's Summit, Madison, WI.
- Hashmi, M. P., Grant, J. E., & Little, A. M. (April, 2011). Interdisciplinary lesson study: plants, drugs, and depression. UW-System President's Summit, Madison, WI.
- Little, A. M., Carstens, J., & Kuchta, M. (2010). Muddy Creek State Wildlife Area. Field trip for Wisconsin Wetlands Association Annual Conference, Eau Claire, WI.

- Little, A. M., Laresen, H., Thorson, C., Handley, J., & Bomar, C. (2010). Invasive reed canarygrass (*Phalaris arundinacea*) in WI trout stream restorations. Minnesota-Wisconsin Invasive Species Conference, St. Paul, MN.
- Little, A. M. (2010). Isolated beaver- and human-affected wetlands as habitat for *Sphagnum* moss. Wisconsin Wetlands Association Annual Conference, Eau Claire, WI.
- Little, A. M. (2009). Beaver and reed canarygrass: agents of wetland change?. UW-Eau Claire invited seminar, Eau Claire, WI.
- Little, A. M. (2007). Team-based learning using clickers in a non-majors biology course. Bush Grant Teaching and Learning Poster Exhibition, Minneapolis, MN.
- Little, A. M. (2004). Beaver 101. Mosquito Hill Nature Center Enrichment Session, London, WI.
- Little, A. M. (2004). The influence of beaver activity on wooded wetland dynamics. Wisconsin Wetlands Association Annual Conference, Wausau, WI.

Regional - Student

- Little, A. M., Winfield, A., Olson, C., Schulte, C., Moen, S., Wiley, C., & Church, J. (2015). Chippewa Moraine Ephemeral Ponds Project: Prospects and undergraduate research projects. Wisconsin Wetlands Association, Madison, WI.
- Smith, A., Church, J., & Little, A. M. (2014). Environmental factors influencing wood frog (*Lithobates sylvaticus*) tadpole size in a glaciated Wisconsin landscape. Wisconsin Wetlands Association, La Crosse, WI.
- Little, A. M., Gehant, P., & Church, J. (2014). Seasonal trends in permanent and ephemeral wetland water chemistry. Wisconsin Wetlands Association, La Crosse, WI.
- Kilibarda, S., Church, J., & Little, A. M. (2014). Tadpole size in permanent and ephemeral wetlands. Wisconsin Wetlands Association, La Crosse, WI.
- Bernier, C., & Little, A. M. (2013). Effects of glyphosate and sod removal on plant species richness and native transplant survival in wet prairie restorations. Wisconsin Wetlands Association, Sheboygan, WI.
- Lee, L., Yang, B., & Little, A. M. (2012). Success of two rye cover crops in suppressing garlic mustard (*Alliaria petiolata*) during a prairie restoration. Posters in the Rotunda, Madison, WI.
- Jones, T., & Little, A. M. (2012). Plant community response to lack of fire in an isolated Western Wisconsin preserve. The Prairie Enthusiasts Conference, Menomonie, WI.
- Lee, L., Yang, B., & Little, A. M. (2012). Success of two rye cover crops in suppressing garlic mustard (*Alliaria petiolata*) during a prairie restoration. The Prairie Enthusiasts Conference, Menomonie, WI.
- Lynum, C., Amundson, R., Perez, K., Borchowiec, N., Kuchta, M., Little, A. M., Hyde, T., & Theler, J. (2010). Land snail community diversity in the driftless region of WI. UW-La Crosse Summer Undergraduate Research Symposium, La Crosse, WI.
- Laresen, H., & Little, A. M. (2010). The effects of two trout stream restoration techniques on *Phalaris arundinacea* riparian spatial distribution. Wisconsin Wetlands Association Annual Conference, Eau Claire, WI.

National

- Hines, M., Little, A. M., & Church, J. (2014). Spatial gradients in wetland water chemistry attributes across a landscape gradient of permanent and ephemeral wetlands. Ecological Society of America, Sacramento, CA.
- Church, J. O., & Little, A. M. (2014). Local and regional constraints on faunal communities in ephemeral wetlands in Wisconsin. Joint Aquatic Sciences Meeting, Portland, OR.
- Little, A. M., & Church, J. O. (2014). Metacommunity structure of isolated wetland plant communities. Joint Aquatic Sciences Meeting, Portland, OR.
- Little, A. M., Guntenspergen, G. R., & Neckles, H. (2013). Beaver and human activity affect *Sphagnum* communities in isolated wetlands in coastal Maine, USA. Ecological Society of America, Minneapolis, MN.

- Little, A. M. (2013). Service-learning in plant ecology using vegetation management plans. Ecological Society of America, Minneapolis, MN.
- Little, A. M., & O, J. (2013). An Ephemeral Ponds Unit for Teaching Undergraduate Ecology Laboratory. Society of Wetland Scientists, Duluth, MN.
- Little, A. M., & Hashmi, M. P. (2012). Infusing diversity in the sciences: Two case studies.. International Society for the Scholarship of Teaching and Learning, Hamilton, Canada.
- Little, A. M. (2012). Service Learning in General Education Courses: Lessons from the Field and Implications for Honors Courses. National Collegiate Honors Conference,
- Little, A. M. (2012). Honors Pedagogy, Developing in Honors Panel. National Collegiate Honors Conference., Boston, MA.
- Grace, J. B., Schoolmaster, D. R., Guntenspergen,, G. R., Schweiger, E. W., Mitchell, B. R., Little, A. M., Mileir, K., & Copper, D. J. (2011). Causal networks as interpretive structures for multi-metric indices of ecological integrity. Ecological Society of America, Austin , TX.
- Little, A. M., Hashmi, M. P., & Grant, J. E. (2011). Interdisciplinary lesson study: Using case studies to build graph interpretation and web evaluation skills, and student enthusiasm. International Society for the Scholarship of Teaching and Learning, Milwaukee, WI.
- Little, A. M. (2011). Student academic development and gains in a loosely-structured service-learning project: A tale of two sections. International Society for the Scholarship of Teaching and Learning, Milwaukee, WI.
- Little, A. M. (2010). Engaging students in natural areas management through service learning. Natural Areas Conference, Osage Beach, MO.
- Little, A. M., & Hoel, A. (2010). Team teaching business management and environmental studies. University of Wisconsin System 2010 President's Summit on Excellence in Teaching and Learning, Madison, WI.
- Rothaupt,, J., Hoel, H., & Little, A. M. (2009). Beyond the project: integrating undergraduate student research with civic engagement. American Association of Colleges and Universities, Minneapolis, MN.
- Little, A. M. (2005). Is wetland vegetation predictable based upon beaver activity?. Ecological Society of America Annual Meeting, Montreal, Canada.
- Little, A. M., & Guntenspergen, G. R. (2003). The influence of beaver and anthropogenic activity on the composition of poor fen plant communities on Mount Desert Island, Maine, USA. Society of Wetland Scientists Annual Meeting, New Orleans, LA.
- Little, A. M., & Allen, T. F. (2001). Thermodynamics and resource quality in beaver spatiotemporal dynamics. Ecological Society of America Annual Meeting, Madison, WI.

National - Student

- Olson, C., Little, A. M., & Church, J. (2014). The effects of microtopography on ephemeral pond and permanent wetland plant species richness at multiple scales. Ecological Society of America, Sacramento, CA.
- Smith, A., Kilibarda, K., Little, A. M., & Church, J. (2014). Environmental factors influencing wood frog (*L. sylvaticus*) tadpole size in a glaciated Wisconsin landscape. Joint Aquatic Sciences Meeting, Portland, OR.
- Bernier,, C., & Little, A. M. (2013). Wet prairie restoration methods affect native species richness and transplant survival, mediated by Canada thistle (*Cirsium arvense*) abundance. National Conference on Undergraduate Research, LaCrosse, WI.
- Lusk, J., Jackson, J., & Little, A. M. (2013). Conserving and improving the habitats of a Western Wisconsin natural area. Natural Areas Conference, Chicago, IL.
- Little, A. M., & Vue, S. (2013). Using GIS to map potential vernal wetlands in the Chippewa County Forest and Chippewa Moraine State Recreation Area of Wisconsin. Natural Areas Conference, Chicago, IL.
- Bernier, C., & Little, A. M. (2012). Effects of wet prairie restoration methods on native plant species and transplant survival. Natural Areas Conference, Norfolk, VA.
- Pulfer, J., Jones, T., & Little, A. M. (2011). A first student pilot chapter of the NAA at UW-Stout. Natural Areas Conference, Tallahassee, FL.

- Lee, L., Yang, B., & Little, A. M. (2011). Can rye cover crops limit *Alliaria petiolata* invasion and promote prairie restoration in Western Wisconsin?. Natural Areas Conference, Tallahassee, FL.
- Jones, T., & Little, A. M. (2011). Tree community succession in an isolated Western Wisconsin Preserve. Natural Areas Conference, Tallahassee, FL.
- Thorson, C., Little, A. M., & Bomar, C. (2010). Effects of *P. arundinacea* on stream macroinvertebrates depend upon stream restoration age. Natural Areas Conference, Osage Beach, MO.
- Borchowiec, N., & Little, A. M. (2009). Wetland *Phalaris arundinacea* abundance as a function of watershed soil and land cover attributes. Natural Areas Conference, Vancouver, WA.
- Baumgartner, M., Borchowiec, N., Handley, J., & Little, A. M. (2009). Effects of watershed land cover and soil type on *Phalaris arundinacea* abundance in the Lower Chippewa River Region, WI. Society of Wetland Scientists, Madison, WI.
- Leibl, K., & Little, A. M. (2009). The effects of beaver (*Castor canadensis*) activity on *Phalaris arundinacea* in Minnesota. Society of Wetland Scientists, Madison, WI.

Special Session

- Little, A. M., & Church, J. (2014). Metapopulation and metacommunity approaches to research and management of fragmented aquatic systems. Joint Meeting of the Society of Wetland Scientists, Society for Freshwater Science, American Society of Limnologists and Oceanographers, and the Phycologist's Society, Portland, OR.

Local

- Little, A. M., & Ogden, M. (2014). Panel Discussion on Student Engagement and Feedback. UW-Stout First-Year Faculty Seminar, Menomonie, WI.
- Little, A. M., Achter, J., & Teuber, H. (2014). Panel on Service at UW-Stout. UW-Stout New Instructor Workshop,
- Howarton, R., Lea, V., Teuber, H., Weiss, T., Ding, D., Little, A. M., Rombo, D., & Othman, L. (2013). Infusing diversity across the curriculum panel. UW-Stout January Professional Development, Menomonie, WI.
- Little, A. M., Schlosser, P. A., & Hoel, A. (2013). Mentoring undergraduate research, scholarship, and creative activity in honors contracts and other outlets. UW-Stout January Professional Development, Menomonie, WI.
- Lea, V., Little, A. M., Weiss, T., & Hashmi, M. P. (2012). Infusing diversity across the curriculum panel. NTLC May Day, Menomonie, WI.
- Little, A. M., Burritt, J. B., & James, K. (2012). Research at UW-Stout. UW-Stout New Instructor Workshop, Menomonie, WI.
- Little, A. M. (2012). Student academic development and gains in loosely structured service-learning projects: A tale of two sections. UW-Stout Research Day, Menomonie, WI.
- Little, A. M. (2011). Using USA jobs to get federal employment. UW-Stout Natural Areas Club, Menomonie, WI.
- Little, A. M. (2011). Winter Tree Identification Workshop. UW-Stout Natural Areas Club, Menomonie, WI.
- Little, A. M. (2011). Service learning strategies that work. UW-Stout Professional Development Week, Menomonie, WI.
- Little, A. M., Rothaupt, J., & Wolfram, S. (2010). Beyond the project: Integrating undergraduate research with civic engagement. , Menomonie, WI.
- Little, A. M. (2010). Tour de Natural Menomonie. UW-Stout Natural Areas Club, Menomonie, WI.
- Little, A. M. (2010). Team learning quizzes in non-majors introductory biology: Getting first exposure out of the classroom. UW-Stout Professional Development Week, Menomonie, WI.
- Little, A. M. (2008). GIS, GPS and remote sensing, oh my! Ecological applications of spatial technologies. Applied Science Speaker Series, Menomonie, WI.

- Little, A. M. (2006). How beaver and humans affect freshwater wetland plant community dynamics on Mount Desert Island, Maine?. UMD Biology Department Seminar,
- Little, A. M. (2002). How eager does a beaver have to be? Understanding complex systems using resource transitions. Madison Ecology Group Graduate Student Ecology Symposium, Madison, WI.

Local - Student

- Veith, R., Yang, B., Little, A. M., Bessert, M. L., & Demezas, D. (2012). Allelopathic effects of garlic mustard (*Alliaria petiolata*) on soil bacteria. UW-Stout Research Day, Menomonie, WI.
- Little, A. M., & Baranczyk, C. (2012). Effects of elevation on distribution of *Miscanthus sacchariflorus*. UW-Stout Research Day, Menomonie, WI.
- Wahl, S., Sombrio, A., Little, A. M., & Kuchta, M. A. (2012). Moisture and Terrestrial Gastropod Diversity in Dunn County. UW-Stout Research Day, Menomonie, WI.
- Wetherbee, M., Wilke, G., Demezas, D., & Little, A. M. (2012). Niche study of winter birds at feeders in Menomonie. UW-Stout Research Day, Menomonie, WI.
- Thorson, C., & Little, A. M. (2012). Revitalizing campus natural area for training future natural areas professionals. UW-Stout Research Day, Menomonie, WI.
- Little, A. M., Krueger, A., & Gams, A. (2012). Seasonal transitions in overwintering bird feeder use in Menomonie, Wisconsin. UW-Stout Research Day, Menomonie, WI.
- Jackson, J., Duch, A., & Little, A. M. (2012). Human and deer trail effects on the spread of garlic mustard (*Alliaria petiolata*) in an isolated Western Wisconsin State Natural Area. UW-Stout STEM Student Projects Expo, Menomonie, WI.
- Kimberly, T., Johnson, A., Hestekin, J., & Little, A. M. (2012). Increasing abundance of *Phalaris arundinacea* inhibits native species of Muddy Creek Sedge Meadow State Natural Area. UW-Stout STEM Student Projects Expo, Menomonie, WI.
- Bernier, C., Wahl, S., & Little, A. M. (2012). Soil properties affect plant species richness, transplant survival, and *Cirsium arvense* abundance in a wet prairie restoration in Western Wisconsin. UW-Stout STEM Student Projects Expo,
- Little, A. M., Baranczyk, C., & Sandin, C. (2012). The invasive alliance between exotic earthworms and *Rhamnus cathartica* or *Lonicera tatarica* in forested areas of Western Wisconsin. UW-Stout STEM Student Projects Expo,
- Fehlandt, Lusk, & Little, A. M. (2012). Development of an invasive plant species survey protocol for roadways in Dunn County, WI. UW-Stout STEM Student Projects Expo., Menomonie, WI.
- Adank, A., Ogren, M., Johnson, A., & Little, A. M. (2011). Bird species niche and habitat survey at private feeders in Menomonie, WI. UW-Stout Research Day, Menomonie, WI.
- Yang, B., & Little, A. M. (2011). Compiling a national database to determine factors that control invasive plant species richness in National Wildlife Refuges. UW-Stout Research Day, Menomonie, WI.
- Lee, L., & Little, A. M. (2011). Cover crop effectiveness at limiting garlic mustard growth and promoting prairie restoration in Menomonie, WI.. UW-Stout Research Day, Menomonie, WI.
- Ogren, M., Erickson, C., Troxler, A., Larsen, H., & Little, A. M. (2011). Effects of overseeding and herbicide treatments on reed canarygrass (*Phalaris arundinacea*) populations. UW-Stout Research Day, Menomonie, WI.
- Thorson, C., Dresler, C., & Little, A. M. (2011). The effects of soil type on *Zizania aquatica* survival and growth. UW-Stout Research Day, Menomonie, WI.
- Jones, T., & Little, A. M. (2011). The tree community of Birch Creek Preserve, Menomonie, WI. UW-Stout Research Day, Menomonie, WI.
- Borchowiec, N., & Little, A. M. (2010). Wetland *Phalaris arundinacea* abundance as a function of watershed soil and land cover attributes. UW-Stout Research Day, Menomonie, WI.
- Thorson, C., Bomar, C., & Little, A. M. (April, 2010). Effects of reed canary-grass (*P. arundinacea*) on stream macroinvertebrates depend upon stream restoration age. UW-Stout Research Day, Menomonie, WI.
- Larsen, H., & Little, A. M. (February, 2010). The effects of two trout stream restoration techniques on *Phalaris arundinacea* riparian spatial distribution. UW-Stout Research Day, Menomonie, WI.

Uncategorized

- Becker, J., Deacon, A., Anheier, P., Navarre, J., Grant, J. E., Hashmi, M. P., & Little, A. M. (2011). Improving Instruction and Student Learning Through Lesson Study: A Tale of Two Disciplines. Mayday presentation, Menomonie, WI.

Poster

- Hill, R. C., Little, A. M., Carlson, K. M., & Grant, J. E. (2010). News from the Proteomic Front Line in the Fight Against an Invasive Strain of *Alliaria petiolata*. National Conference on Undergraduate Research, Ithaca, NY.

Grants, Contracts, and Sponsored Research

Grant

- Little, A. M. Presentation at Society of Wetland Scientists National Meeting. Sponsored by UW-Stout Just-in-Time Professional Development Grant, \$1000.
- Little, A. M., & Church, J. Freshman Work Experience in CMEPP Laboratory. Sponsored by UW-Stout Freshman Work Experience Grant, \$2000.
- Little, A. M. Joint Presentation with Student at Wisconsin Wetlands Association Conference. Sponsored by UW-Stout Just-in-Time Professional Development Grant, \$651.
- Little, A. M., Church, J., Bomar, C., & Kuchta, M. A. NSF-DEB Wetland Research Grant (Senior Personnel). Sponsored by NSF, \$550000 (Funded).
- Little, A. M. Presentation at Natural Areas Conference in Chicago, IL. Sponsored by UW-Stout Professional Development Grant, \$1641.
- Little, A. M., & Paulson, N. UW-Stout Outstanding Emerging REU Site: RUI: Creating interdisciplinary research opportunities in phosphorus sustainability (CROPS) Researcher Award. Sponsored by NSF-REU, \$293000 (Not Funded).
- Carlson, K. M., Vande Linde, A. Q., Little, A. M., Hashmi, M. P., & Kirk, J. S. Learning on a mission: Investigating the educational impact of aligning Polytechnic STEM learning outcomes to the needs of community food security stakeholders. Sponsored by NSF-TUES II Program, \$590000 (Not Funded).
- Nold, S. C., Paulson, N., Ferguson, C., & Little, A. M. Phosphorous in the Red Cedar Basin: Establishing an interdisciplinary community of undergraduate scholars. Sponsored by UW-Stout Research Incubator Grant Proposal, \$10000.
- Little, A. M., Church, J., & Kuchta, M. A. RUI: Testing metacommunity models in forested vernal wetlands using a multi-taxa, multi-year approach. Sponsored by NSF-DEB, \$550000.
- Klefstad, J., Broeren, C., Bendel, C., Ghenciu, P. I., Little, A. M., & Zimmerman, T. A. Implementation, evaluation, and assessment of the Common Core Standards utilizing a professional learning community (PLC) framework in small, rural school districts. Sponsored by Wisconsin ESEA Improving Teacher Quality Program, \$374521 (Not Funded).
- Hogseth, B., Little, A. M., & Kneeland, A. J. Lower Chippewa Savanna Turkey Habitat Restoration and Maintenance. \$9500 (Not Funded).
- Little, A. M. Participant in UW-Stout Infusing Diversity into the Curriculum Program. Sponsored by NTLC, \$1800.
- Little, A. M., & Demezas, D. Portals of Discovery Collaboration Grant. Sponsored by UW-Fond du Lac. National Science Foundation, \$7300.
- Little, A. M., & Thorson, C. The Literal Knowledge Spiral Transformation of the Campus Outdoor Classroom: Stories, Relationships, Goals, and Outcomes,. Sponsored by Midwest Regional Collaborative for Sustainability Education, \$2000.
- Paulson, N., Nold, S. C., & Little, A. M. Phosphorus in the Red Cedar Basin: An interdisciplinary approach to a more sustainable community. Sponsored by UW-Stout Research Incubator Grant Proposal, \$10000.
- Little, A. M., Hashmi, M. P., & Grant, J. E. Plants, Drugs, and Depression. Sponsored by NTLC Lesson Study Community of Practice, \$2000.

- Little, A. M. Presentation at Natural Areas Conference. Sponsored by UW-Stout Professional Development Grant, \$1662.
- Perez, K. E., Theler, J., Nekola, J., Hyde, T., Kuchta, M. A., & Little, A. M. Wisconsin land snail database and surveys in the Driftless area. Sponsored by Wisconsin Department of Natural Resources State Wildlife Grant, \$49971.
- Little, A. M., & Carlson, K. M. Creation, implementation and marketing of a plant science minor at UW-Stout. Sponsored by UW-Stout Curriculum Incubation Center Grant, \$6000.
- Little, A. M., & Hoel, A. Team-teaching in a biology and business senior capstone course. Sponsored by Nakatani Teaching and Learning Center Grant, \$500.
- Little, A. M., & Etterson, J. E. Improvements to plant diversity slide collection. Sponsored by UMD Chancellor's Small Grant, \$720.
- Little, A. M. Team-based learning in a non-majors biology course. Sponsored by Bush Foundation Faculty Grant for UMD campus.
- Little, A. M. Understanding the Dynamics of Wetland Vegetation Change in Beaver Meadows and Peatlands. Sponsored by Davis Research Grant, UW-Madison Botany Department, \$500.

Sponsored Research

- Little, A. M., & Hoel, A. A Critical First Step in a Community-Driven Model for Developing Regional Food Waste Recycling Networks. Sponsored by UW-System Solid Waste Research Program, \$29867 (Not Funded).
- Little, A. M. Sphagnum in Acadia National Park. Sponsored by L.L. Bean Acadia, \$5000.

Reviewer / Editor

Editor, Associate Editor

- **Natural Areas Journal** (2010 - Present)

Awards, Fellowships, Honors, and Scholarships

Award

- UW-Stout Outstanding Emerging Researcher Award, University of Wisconsin-Stout (2013)
- UW-Stout College of Science, Technology, Engineering and Mathematics Outstanding Teaching Award, (2011)
- US Geological Society STAR Award, (2000)

Fellowship

- UW-Stout Library Research Fellow, (2012)
- UW-Stout Library Research Fellow, (2011)
- University of Wisconsin Teaching Fellow, (2010)
- Davis Summer Fellowship, UW-Madison Botany Department (2004)
- Phi Kappa Phi Graduate Fellowship, UW-Stevens Point Chapter (1999)

Honor

- UWSP Honors Internship, (1999)
- UWSP Honors Internship, (1998)
- UWSP Honors Internship, (1997)
- UWSP Honors Internship, (1996)
- UWSP Honors Internship, (1995)

Scholarship

- Brian Eagen Botany Scholarship, UW-Stevens Point Biology (1998)
- VanHorn Natural Resources Scholarship, UW-Stevens Point (1997)
- Dan Trainer Dean Emeritus Natural Resources Scholarship, UW-Stevens Point (1996)

Professional Memberships

- Ecological Society of America
- Society of Wetland Scientists
- Chippewa Savannas Chapter of The Prairie Enthusiasts (TPE)

Service

Department / School

- **Recruiter**, Applied Science Program (2008 - Present)
- **Committee Member**, Ad-hoc committee to revise Biology Department By-Laws (2014 - 2015)
- **Committee Member**, Biology Department Search Committee for Vertebrate Ecologist (2014 - 2015)
- **Biology Department representative**, UW-Stout Faculty Senate (2011 - 2014)
- **Committee Chair**, UW-Stout Environmental Science Concentration Committee (2009 - 2012)
- **Recruiter**, Environmental Science Concentration (2010)
- **Committee Member**, UW-Stout Environmental Sustainability Steering Committee (2008 - 2009)

College

- **Committee Member**, Sciences Merger Modeling Committee (2015)
- **Committee Member**, Writing in Environmental Science Committee (2015)
- **College of STEM Rep.**, Faculty Senate Executive Committee (2013 - 2014)

University

UW Stout

- **Committee Member**, Faculty Senate Personnel Policies Committee (2013 - Present)
- **Committee Chair**, UW-Stout Outdoor Classroom Committee (2011 - Present)
- **Advisory Board Member**, UW-Stout University Honors Program (2011 - Present)
- **Faculty Advisor**, UW-Stout Natural Areas Club (2010 - Present)
- **Dissertation Committee Member**, UW-Stout Creative Original Research Experiences Committee (2009 - Present)
- **Co-Chair**, All-University Associate Professor Promotion Committee (2014 - 2015)
- **Committee Member**, Chancellor Search Committee (2014)
- **Committee Member**, UW-Stout PPC subcommittee to revise promotion process (2013 - 2014)
- **Undergraduate Student Research Advisor**, Distribution and characteristics of forested vernal wetlands in the Chippewa Moraine region of Wisconsin (2013)
- **Vice Chair**, All-University Associate Professor Promotion Committee (2012)
- **Undergraduate Student Research Advisor**, GIS/GPS map of Bjornson Education-Recreation Center (2012)
- **Co-Advisor**, Allelopathic effects of garlic mustard (*Alliaria petiolata*) on soil microbial communities (2011 - 2012)
- **Committee Member**, Campus Gateways Committee (2011)
- **Undergraduate Student Research Advisor**, GIS habitat modeling for rare terrestrial snails in the WI Driftless Area (2011)
- **Committee Member**, UW-Stout Campus Exteriors Development Committee (2009 - 2011)

- **Undergraduate Student Research Advisor**, Analysis of terrestrial gastropod ecological data for a GIS-based habitat conservation model (2010)
- **Undergraduate Student Research Advisor**, Effects of different cover crops on prairie seeding success and garlic mustard abundance (2010)
- **Undergraduate Student Research Advisor**, Growth of wild rice in differing substrates and water types (2010)
- **Undergraduate Student Research Advisor**, competition between reed canarygrass and big bluestem in a greenhouse environment (2010)
- **Undergraduate Student Research Advisor**, Soil type differences in stream restoration settings affect reed canarygrass abundance (2010)
- **Undergraduate Student Research Advisor**, The effects of garlic mustard exudates on rhizobia and growth in a red clover (2010)
- **Committee Member**, UW-Stout Physical Plant Committee (2009 - 2010)
- **Committee Member**, UW-Stout Tech Park Committee (2008 - 2009)
- **Teacher**, UW-Stout Upward Bound program (2008)

University of Minnesota- Duluth

- **Undergraduate Student Research Advisor**, Impacts of beaver and human activity on the abundance of *Phalaris arundinacea*, an invasive graminoid (2007)
- **Undergraduate Student Research Advisor**, Invasive plant species in active vs. abandoned beaver wetlands (2007)
- **Advisor**, A comparison of Anuran communities in beaver ponds and roadside wetlands (2006)

University of Wisconsin-Madison

- **Undergraduate Student Research Advisor**, Beaver forage in Acadia National Park, Maine (2004)

Professional

- **Education Committee Member**, Natural Areas Association (2012 - Present)
- **Colloquium Leader**, City as Text and Honors (2010 - Present)
- **Committee Chair**, Ad-hoc committee to develop Reassigned Time Program (2013 - 2014)
- **national Board Member**, Natural Areas Association (2013 - 2014)
- **Advisory Board Member**, Nakatani Teaching and Learning Center (2012 - 2014)
- **Poster Session Organizer**, The Prairie Enthusiasts Annual Conference (2012)
- **State Event Supervisor**, Wisconsin Science Olympiad (2011 - 2012)
- **Committee Member**, Faculty Senate Elections Committee (2011)
- **Advisory Board Member**, Friends of Keil's Birch Creek Preserve (2009 - 2011)
- **Facilitator**, "Getting Started with Undergraduate Research" Nakatani Teaching and Learning Center Sharing Community (2010)
- **Committee Member**, NSF-funded Institutionalizing Undergraduate Research Leadership Team (2008 - 2010)

Community

- **Organizer**, Adventures for Women in Science Day for 60 Hudson Middle School students (2010)
- **Community Partner**, Art of Life Living Learning (2010)