

MARK C. MYERS, Ph.D.

Professor

Department of Biology, University of Northern Iowa
144 McCollum Science Hall, Cedar Falls, IA 50614-0421
mark.myers@uni.edu /319-273-2493

EDUCATION

Ph.D. in Conservation Biology	University of Minnesota, 2002-2005
M.S. in Conservation Biology	University of Minnesota, 1998-2002
A.B. in Biology, <i>summa cum laude</i> with Highest Honors	Kenyon College, 1992-1996
Study abroad in Costa Rica	Associated Colleges of the Midwest, 1995

PROFESSIONAL EXPERIENCE

Professor , Department of Biology, University of Northern Iowa	2022-present
Associate Professor , Department of Biology, University of Northern Iowa	2012-2022
Assistant Professor , Department of Biology, University of Northern Iowa	2006-2012
Instructor , Department of Fisheries, Wildlife, & Conservation Biology, University of Minnesota	2002-2006

AWARDS, FELLOWSHIPS, AND HONORS

2016— Faculty Summer Fellowship, Provost's Office, University of Northern Iowa
2014— U.S. Fulbright Scholar, Antioquia School of Engineering, Medellin, Colombia
2014 — Faculty Summer Fellowship, Provost's Office, University of Northern Iowa
2013— Professional Development Assignment, Provost's Office, University of Northern Iowa
2012 — Faculty Summer Fellowship, Provost's Office, University of Northern Iowa
2011 — Pre-Tenure Summer Fellowship, Provost's Office, University of Northern Iowa
2009 — Faculty Summer Fellowship, Provost's Office, University of Northern Iowa
1998-2005 — MacArthur Scholar, Interdisciplinary Center for the Study of Global Change,
University of Minnesota
2004-2005 — Doctoral Dissertation Fellow, University of Minnesota
2003-2004 — Outstanding Conservation Biology Graduate Student, University of Minnesota
1999-2003 — National Science Foundation Graduate Research Fellow
2001-2002 — University of Minnesota Graduate Fellow
1998-1999 — University of Minnesota Graduate Fellow
1995-1996 — Barry M. Goldwater Science Scholar
1995-1996 — National Council on Undergraduate Research SURE Fellowship
1992-1996 — Kenyon College Presidential Honors Scholar

TEACHING EXPERIENCE

Professor, Department of Biology, University of Northern Iowa, 2006-present
Instructor, Department of Fisheries, Wildlife, & Conservation Biology, University of Minnesota, 2002-2006
Teaching Assistant, Department of Biology, Kenyon College, 1994-1996

Courses taught:

Ecology, Evolution, & the Nature of Science *Conservation Biology* *Ecology*

RESEARCH EXPERIENCE

- 2017-present — *Conservation Reserve Program Pollinator Habitat (CP-42) Evaluation on Iowa Farms*
- 2008-2015 — *Assessing the wildlife habitat value of diverse biomass energy prairie plantings in an agricultural landscape*
- 1995-2006 — *Fish response to protected area designation in the Tropical Eastern Pacific*
- 2002-2005 — *Endangered Wildlife Conservation in the Neotropics: Lessons and Strategies from Costa Rica*
(Ph.D. dissertation research)
- 1998-2002 — *Baird's Tapir (Tapirus bairdii) Conservation in the Osa Peninsula, Costa Rica: Lessons from the Natural and Policymaking Environments* (Master's thesis research)
- 2001 & 2004 — Field Researcher, Isle Royale National Park. Collected vegetation data for a long-term ecological research effort assessing the effects of moose (*Alces alces*) browsing on forest succession
- 2001 — Field Researcher, McMurdo Station, Antarctica. Conducted population surveys as part of a long-term ecological research project monitoring Weddell seal (*Leptonychotes weddelli*) population dynamics
- 1996-1997 — Field Biologist, Corcovado National Park, Costa Rica. Captured, collared, and radio-tracked wild tapirs (*Tapirus bairdii*) with Baird's Tapir Research Project
- 1996-1997 — Field Biologist, Carara Biological Reserve, Costa Rica. Coordinated ecological research and community outreach programs aimed at conserving scarlet macaws (*Ara macao*) in central Pacific Costa Rica
- 1995-1996 — *Genetic responses of small stream fishes to landscape variation* (Undergraduate Honor's Thesis in Biology)

PUBLICATIONS

- Glidden A.J., Sherrard M.E., Meissen J.C., **Myers M.C.**, Elgersma K.J., Jackson L.L. 2022. Planting time, first-year mowing, and seed mix design influence ecological outcomes in agroecosystem revegetation projects. *Restoration Ecology* 31(4): e13818. DOI:10.1111/rec.13818
- Wen, A. K. J. Elgersma, M.E. Sherrard, L.J. Jackson, J.C. Meissen, and **M.C. Myers**. 2022. Wild bee pollinators and their association with sown and unsown floral resources in reconstructed pollinator habitats within an agriculture landscape. *Insect Conservation & Diversity* 15(1):102-113. DOI:10.1111/icad.12539
- Tamplin, J.W., K.J. Anderson, E.A. Turcotte, **M.C. Myers**. 2020. Effect of acclimation temperature and substrate type on selected temperature, movement and activity of juvenile spiny softshell turtles (*Apalone spinifer*) in an aquatic thermal gradient. *Journal of Thermal Biology* 93:102701. DOI: 10.1016/j.jtherbio.2020.102701.
- Boeck Crew, C.M, **M.C. Myers**, M.E. Sherrard, K. J. Elgersma, G.A. Houseal, and D.D. Smith. 2020. Stratification and perigynia removal improve total germination and germination speed in three upland prairie sedge species. *Native Plants Journal* 21(2):120-131. DOI: 10.3368/npj.21.2.120.
- Myers, M.C.**, J.T. Mason, B.J. Hokscho, C.A. Cambardella, J.D. Pfrimmer. 2015. Birds and butterflies respond to soil-induced habitat heterogeneity in experimental plantings of tallgrass prairie species managed as agroenergy crops in Iowa, USA. *Journal of Applied Ecology* 52(5):1176-1187. DOI: 10.1111/1365-2664.12503
- White, E.R., **M.C. Myers**, J.M. Flemming, J.K. Baum. 2015. Shifting elasmobranch community assemblage at Cocos Island—an isolated marine protected area. *Conservation Biology* 29(4):1186-1197. DOI: 10.1111/cobi.12478
- Myers, M.C.**, B.J. Hokscho*, and J.T. Mason**. 2012. Butterfly response to floral resources at a heterogeneous prairie biomass production site in Iowa, USA. *Journal of Insect Conservation* 16(3):457-472. DOI: 10.1007/s10841-011-9433-4

- Myers, M.C.**, J. Wagner, and C. Vaughan. 2011. Long-term comparison of the fish community in a Costa Rican rocky shore marine reserve. *Revista de Biología Tropical/International Journal of Tropical Biology and Conservation* 59(1):233-246
- Myers, M.C.** and C. Vaughan. 2004. Movement and behavior of scarlet macaws (*Ara macao*) during the post-fledging dependence period: implications for *in situ* versus *ex situ* management. *Biological Conservation* 118:411-420
- Myers, M.C.** 2001. Economic development policy and the protected areas system in Costa Rica. *Vida Silvestre Neotropical* 10(1-2):3-18
- Myers, M.C.**, E.R. Heithaus, and P.A. Heithaus. 1996. Genetic responses of fish in small streams to landscape variation. *Ohio Journal of Science* 96:19

* indicates undergraduate student co-author, ** indicates graduate student co-author

PRESENTATIONS

- Myers, M. C.**, G. Geick, M.C. Myers, and D. Pimentel Fernandes de Sousa. 2017. Common milkweed (*Asclepias syriaca*) invasion and performance in tallgrass prairie plots of varying diversity. Poster at 2017 Iowa Academy of Science Annual Meeting, Cedar Falls, Iowa, April 21-22, 2017.
- Judickas, S.*, B.J. Hoksch**, and **M.C. Myers**. 2016. Butterfly community dynamics at a heterogeneous tallgrass prairie bioenergy production site in Black Hawk County, Iowa. Poster at 2016 Iowa Academy of Science Annual Meeting, Des Moines, Iowa, April 22-23, 2016.
- Judickas, S.*, B.J. Hoksch**, and **M.C. Myers**. 2016. Butterfly community dynamics at a heterogeneous tallgrass prairie bioenergy production site in Black Hawk County, Iowa. Poster at 2016 National Conference on Undergraduate Research, Asheville, North Carolina, April 7-9, 2016.
- Myers, M.C.**, J.D. Pfrimmer*, B.J. Hoksch*, and J. T. Mason*. 2015. Bird and butterfly community dynamics at an experimental prairie agroenergy site in Black Hawk County, Iowa. 2015 Iowa Prairie Conference, Cedar Falls, Iowa, July 16-18, 2015.
- Ridgway, A.**, K.J. Elgersma, S. Hendrix, **M.C. Myers**, B. Hoksch, and A. Wen. 2015. Density and diversity of bees in the Midwestern agricultural landscape: comparing vegetable and biofuel production to native remnant prairies. Poster at Ecological Society of America Annual Meeting, Baltimore, Maryland, August 12, 2015.
- Osgood, G., **M.C. Myers**, and J.K. Baum. 2015. Trends in the abundance of megafauna in marine protected areas of the Tropical Eastern Pacific. American Fisheries Society 145th Annual Meeting, Portland, Oregon, August 17, 2015.
- Pfrimmer, J.D.**, **M.C. Myers**, and J.T. Mason**. 2014. Interannual shifts in avian community composition in heterogeneous native prairie biofuel feedstocks. 74th Midwest Fish & Wildlife Conference, Kansas City, Missouri, January 26-29, 2014.
- Hoksch, B.J.**, **M.C. Myers**, J.T. Mason**, J.D. Pfrimmer**, A.J. Ridgway*. 2013. Birds and butterflies respond to soil-induced habitat heterogeneity in experimental plantings of native tallgrass prairie species in Iowa, USA. Poster at Society for Ecological Restoration, Madison, Wisconsin, October 6-11, 2013.
- Myers, M.C.**, J. Mason**, B. Hoksch*, J. Pfrimmer**, and D. Miller*. 2012. Birds and butterflies respond to soil-induced habitat heterogeneity in experimental plantings of native tallgrass prairie species. Iowa Academy of Science, North Iowa Area Community College, Mason City, Iowa. April 20-21, 2012
- Pfrimmer, J.**, **Myers, M.C.**, J. Mason**, B. Hoksch*, and D. Miller*. 2012. Bird use of heterogeneous prairie biomass production plots. Iowa Academy of Science, North Iowa Area Community College, Mason City, Iowa. April 20-21, 2012
- Jackson, L.L., **M.C. Myers**. 2011. Educating new leaders in conservation: the Professional Science Masters in Ecosystem Management at UNI. Annual Meeting of NatureServe: Biodiversity without Boundaries. Nebraska City, Nebraska. May 8-13, 2011
- Myers, M.C.**, B. Hoksch*, and J. Mason**. 2011. Butterfly response to floral resources during early establishment at a heterogeneous prairie biomass production site. Iowa Academy of Science, Wartburg College, Waverly, Iowa. April 29-30, 2011

- Mason, J.** and **M.C. Myers**. 2011. Avian colonization during early establishment in a prairie biofuel project. Iowa Academy of Science, Wartburg College, Waverly, Iowa. April 29-30, 2011
- Jackson, L.L., **M.C. Myers**. 2011. Educating new leaders in conservation: the Professional Science Masters in Ecosystem Management at UNI. Iowa Academy of Science, Wartburg College, Waverly, Iowa. April 29-30, 2011
- Mason, J.** and **M.C. Myers**. 2010. Bird, butterfly, and small mammal colonization during early establishment in a prairie biofuel project. North American Prairie Conference, University of Northern Iowa, Cedar Falls, Iowa. August 1-5, 2010
- Jackson, L. and **M.C. Myers**. 2010. Educating new leaders in conservation: the Professional Science Masters in Ecosystem Management at UNI. North American Prairie Conference, University of Northern Iowa, Cedar Falls, Iowa. August 1-5, 2010
- Hokschi, B.* and **M.C. Myers**. 2010. Butterfly response to floral resources in a heterogeneous prairie biomass production site (Poster). North American Prairie Conference, University of Northern Iowa, Cedar Falls, Iowa. August 1-5, 2010
- Mason, J.** and **M.C. Myers**. 2010. Small mammal, bird, and butterfly colonization during early establishment in a prairie biofuel project. Iowa Academy of Science, Graceland College, Lamoni, Iowa. April 16-17, 2010
- Myers, M.C.** 2010. Monitoring a marine protected area: trends in shark and ray abundance in the Cocos Island Marine Conservation Area. Invited presentation at Natural Resource Ecology & Management Seminar Series. Iowa State University, Ames, Iowa. February 12, 2010
- Myers, M.C.** 2008. Trends in shark and ray abundance in the Cocos Island Marine Conservation Area, Eastern Tropical Pacific, Costa Rica. Invited presentation at Graduate Colloquium Seminar, UNI Biology Department, Cedar Falls, Iowa. September 22, 2008
- Jackson, L. and **M.C. Myers**. 2008. Project-based graduate education in conservation: first-year results. Iowa Academy of Science, Cedar Rapids, Iowa. April 11-12, 2008
- Bohnet, C.**, M. Furher**, J. Mason**, and **M.C. Myers**. 2008. Prairie Power Project. Iowa Pheasants Forever Meeting. University of Northern Iowa, Cedar Falls, Iowa. February 29, 2008
- Bohnet, C.**, M. Furher**, and **M.C. Myers**. 2008. Determining maximum sustainable production of biomass with a mixture of prairie species. Tallgrass Prairie Center, Natural Resource Research and Management Seminar Series, University of Northern Iowa, Cedar Falls, Iowa. February 13, 2008
- Jackson, L. and **M.C. Myers**. 2007. A professional master's degree program in ecosystem management. Iowa Conservation Biology Symposium, University of Iowa State, Ames, Iowa. February 10, 2007
- Jackson, L. and **M.C. Myers**. 2007. A professional master's degree program in ecosystem management. Minnesota Chapter of the Society for Conservation Biology, Audubon Center of the North Woods, Sandstone, Minnesota. February 23-24, 2007
- Myers, M.C.**, C. Vaughan, O. Bin, S. Polasky, and A. Klampfer. 2005. Trends in shark and ray abundance in the Cocos Island Marine Conservation Area, Costa Rica. International Conference for the Conservation and Management of Wildlife, Universidad Nacional, Heredia, Costa Rica. February 21-25, 2005
- Myers, M. C.** 2003. Movement and behavior of scarlet macaws (*Ara macao*) during the post-fledging dependence period: implications for in situ versus ex situ management. Society for Conservation Biology Annual Meeting, Duluth, Minnesota. June 28-July 3, 2003
- Myers, M.C.**, C.R. Foerster, and Villalobos, J. 2002. Home range characteristics and habitat use of Baird's tapir (*Tapirus bairdii*) in Costa Rica. Society for Conservation Biology Annual Meeting, Canterbury, UK. July 14-19, 2002
- Villalobos, J, **M.C. Myers**, and C. R. Foerster. 2001. Home range characteristics and habitat use of Baird's tapir (*Tapirus bairdii*) in Corcovado National Park, Costa Rica. First International Tapir Symposium, San José, Costa Rica. November 3-8, 2001
- C.R. Foerster, **M.C. Myers**, and J. Villalobos. 2001. Results of a five-year telemetry study of Baird's tapir in Costa Rica. First International Tapir Symposium, San José, Costa Rica. November 3-8, 2001
- Myers, M.C.**, Heithaus, E. R., and Heithaus, P.A. 1996. Genetic responses of fish in small streams to landscape variation. Ohio Academy of Sciences, Kent State University, Ohio. May 3, 1996
- Myers, M.C.**, Heithaus, E. R., and Heithaus, P. A. 1996. Genetic responses of fish in small streams to landscape variation. National Conference on Undergraduate Research, University of North Carolina-Asheville, North Carolina. April 18-20, 1996

* indicates undergraduate student co-author, ** indicates graduate student co-author

GRANTS FUNDED

Evaluation of the Conservation Reserve Program Pollinator Habitat conservation practice (CP-42) on central Iowa farms. Iowa Science Foundation, 2019-2021, (\$5000)

Seed Mix Experiments and Analysis of Native Seed Supply of the Pollinator Habitat Initiative, with PI Laura Jackson, Tallgrass Prairie Center). USDA Farm Service Agency, 2017-2020, (\$241,900)

Pollinator Habitat Evaluation Services, with PI Dr. Laura Jackson, Tallgrass Prairie Center). UNI Conservation Corps, 2017-2018, (\$70,200)

Engaging students in opportunities to promote biodiversity conservation and wildlife habitats on the UNI campus. UNI Conservation Corps, 2016-2017 (\$9600)

Assessing the Wildlife Habitat Value of Diverse Prairie Plantings Managed as Agroenergy Crops in an Agricultural Landscape, UNI OSP, Student-Faculty Collaboration Grant, 2014, (\$3,500)

Prairie Power Project: determining maximum sustainable production of biomass with a mixture of prairie species (with Dr. Daryl Smith, Tallgrass Prairie Center). Iowa Power Fund, 2008-2011(Phase I) & 2012-2015 (Phase II), (\$1,049,000)

Butterfly response to floral resources at a heterogeneous prairie biomass production site. Iowa Science Foundation, 2011-2012, (\$4690)

Dayton and Wilkie Funds for Natural History Research Award. University of Minnesota, 1999-2003, (Five grants totaling \$4500)

MacArthur Pre-Dissertation Travel Award. University of Minnesota, 2000, (\$2,000)

International Travel Grant. National Science Foundation, 2000, (\$2,000)

STUDENT MENTORING

Undergraduate student research advisor

Alison Peck, Zane Poss, & Marlow Wilson, Undergraduate Research in Biology, University of Northern Iowa (2023) Project title: *Assessing the effectiveness of radio telemetry in tracking Bombus auricomus in a central Iowa restored prairie*

Bella Araiza, Summer Undergraduate Research Program, University of Northern Iowa (2020)
Project title: *Assessing the effectiveness of radio telemetry in tracking Bombus auricomus in a central Iowa restored prairie*

Emma Simpson, Summer Undergraduate Research Program, University of Northern Iowa (2019)
Project title: *Local and landscape effects on butterfly abundance in CP-42 plantings*

Ethan Marburger. Summer Undergraduate Research Program, University of Northern Iowa (2018)
Project title: *Floral resource availability and butterfly community characteristics in CP-42 Pollinator Habitat plantings*

Chandler Dolan. Summer Undergraduate Research Program, University of Northern Iowa (2017)
Project title: *Bee and butterfly response to floral resources in central Iowa prairie restorations.*

Kate Madsen. Summer Undergraduate Research Program, University of Northern Iowa (2017)
Project title: *Bee and butterfly response to floral resources in central Iowa prairie restorations.*

Corinne Myers. Summer Undergraduate Research Program, University of Northern Iowa (2016)
Project title: *Common milkweed (Asclepias syriaca) plant characteristics in in perennial prairie plots of varying diversity.*

Griffin Geick. Summer Undergraduate Research Program, University of Northern Iowa (2016)
Project title: *Common milkweed (Asclepias syriaca) density in perennial prairie plots of varying diversity.*

Daniel Pimentel Fernandez de Sousa. Summer Undergraduate Research Program, University of Northern Iowa (2016) Project title: *Bird microhabitat selection in an experimental, heterogeneous (soil, diversity) prairie restoration.*

Libby Torresani. Summer Undergraduate Research Program, University of Northern Iowa (2014) Project title: *Grassland bird nest survival in perennial agroenergy crops.*

Stephanie Paape. Summer Undergraduate Research Program, University of Northern Iowa (2014) Project title: *Ground arthropod abundance in switchgrass and diverse prairie agroenergy crops.*

Andrew Ridgway. Summer Undergraduate Research Program, University of Northern Iowa (2013-2014) Project title: *Effects of flooding on the flora and fauna of a reconstructed tallgrass prairie.*

Nick Tebockhorst. Summer Undergraduate Research Program, University of Northern Iowa (2012) Project title: *Butterfly response to floral resources in a heterogeneous prairie biomass production site.*

Drew Miller. Summer Undergraduate Research Program, University of Northern Iowa (2011) Project title: *Butterfly and plant community characteristics following fire management at a prairie biofuel production site.*

Ben Hokschi. Summer Undergraduate Research Program, University of Northern Iowa (2010-2011) Project title: *Butterfly response to floral resources in a heterogeneous prairie biomass production site.*

Sarah Faust. Work study student and research volunteer, University of Northern Iowa (2008-2009) Project title: *Fish response to protected area designation in the Tropical Eastern Pacific*

Mandy Larson, University Honor's Thesis, University of Northern Iowa (2007-2009) Project title: *Assessing the potential habitat value of biomass production fields for grassland birds*

Graduate student advisor / thesis committee chair

Zach Hall, M.S. in Biology, University of Northern Iowa (co-advised with Dr. Jeff Tamplin (2017-present) Thesis title: *Wood turtle (*Glyptemys insculpta*) habitat selection in Central Iowa.*

Corinne Myers. M.S. in Biology, University of Northern Iowa (2018-present) Thesis title: *Evaluation of the Conservation Reserve Program Pollinator Habitat conservation practice (CP-42) on central Iowa farms*

Alec Glidden. M.S. in Biology, University of Northern Iowa (2019-2021) Thesis title: *Seed mix design, planting time, and first-year mowing management to improve multifunctionality and cost-effectiveness of tallgrass prairie constructions.*

Christina Boeck-Crew. M.S. in Biology, University of Northern Iowa (2018-2019) Thesis title: *The effect of cold stratification and perigynia removal on the germination of three prairie Carex species.*

Chris Barber. M.S. in Biology, University of Northern Iowa (2009-2018) Thesis title: *The effects of mycorrhizal inoculant and micronutrients on early plant establishment during a tallgrass prairie reconstruction.*

Ben Hokschi. M.S. in Biology, University of Northern Iowa (2013-2015) Thesis title: *Butterfly and floral community dynamics at a native prairie agrofuel research site.*

Jarrett Pfrimmer. M.S. in Biology, University of Northern Iowa (2011-2013) Thesis title: *Bird use of heterogeneous native prairie biofuel production plots.*

James Mason, M.S. in Biology, University of Northern Iowa (2008-2012)
Thesis title: *Early avian colonization in a prairie biofuel project.*

Graduate student committee member

Lucas Kaufmann, Geography M.S. student advised by Dr. Lisa Tabor (2022-2024)
Thesis title: *The spatial and temporal impacts of land use and climate on the abundance of grassland bird species in Iowa from 2001 to 2019*

Josh Mixdorf, M.S. student advised by Dr. Kenneth Elgersma (2016-2023)
Thesis title: *Enhancing soil carbon sequestration through grassland restoration of former row crop fields at Irvine Prairie*

Tristan Murphy, M.S. student advised by Dr. Laura Jackson (2021-2023)
Thesis title: *Assessment of Conservation Reserve Program enhancements at contract renewal: impact on monarch butterfly habitat*

Morganne Borsh, M.S. student advised by Dr. Peter Berendzen (2021-2023)
Thesis title: *Characterizing genetic diversity and testing for fisheries induced evolution in southeastern Kansas populations of bluegill (*Lepomis macrochirus*)*

Anna Shapiro, M.S. student advised by Dr. Kenneth Elgersma (2020-2022)
Thesis title: *Understanding morphological responses of *Typha* (cattail) species to nutrient pollution.*

Zach Hall, M.S. student advised by Dr. Jeff Tamplin (2017-present)
Thesis title: *Range and microhabitat selection preferences in the wood turtle (*Glyptemys insculpta*)*

Jon Luiken, M.S. student advised by Dr. Peter Berendzen (2018-2021)
Thesis title: *Influence of landscape on the population genetics of the rainbow darter (*Etheostoma caeruleum*) in glaciated and unglaciated environments.*

Destiny Magee, M.S. student advised by Dr. Kenneth Elgersma (2017-2020)
Thesis title: *Carbon sequestration and weedy invasion in CRP fields.*

Josh Otten, M.S. student advised by Dr. Jeff Tamplin (2015-2018)
Thesis title: *Factors influencing wood turtle (*Glyptemys insculpta*) home range size in Iowa: a comparison between suburban and rural populations.*

Andrew Ridgway, M.S. student advised by Dr. Kenneth Elgersma (2014-2016)
Thesis title: *Density and diversity of bees in the Midwestern agricultural landscape: influence of surrounding agricultural land use and biofuel candidate crops*

Emily Francis, Geography M.S. student advised by Dr. Andrey Petrov (2013-2016)
Thesis title: *Analyzing winter activities of wild Taimyr reindeer using Argos satellite collars*

Jordan Young, M.S. student advised by Dr. Kenneth Elgersma (2013-2015)
Thesis title: *Effects of soil type and plant diversity on soil respiration and litter decomposition in a tallgrass prairie biofuel production system*

Ryan Neuhaus, M.S. student advised by Dr. Daryl Smith (2009-2015)
Thesis title: *A comparison of the effects of burning, haying, and mowing as management techniques on plant and animal species in a prairie reconstruction*

Ryan Kurtz. M.S. student advised by Dr. Peter Berendzen (2011-2015)
Thesis title: *Establishing demographic parameters and conservation units of the black redhorse, Moxostoma duquesni, in northeast Iowa*

Brigid Wiemann. M.S. student advised by Dr. Peter Berendzen (2011-2015)
Thesis title: *Establishing demographic parameters and conservation units of the longnose dace, Rhinichthys cataractae, in northeast Iowa*

Carmen Pellish, M.S. student advised by Dr. Laura Jackson (2012-2014)
Thesis title: Tracking above- and below-ground seed persistence and mortality in a native prairie restoration.

Jessica Williams. M.S. student advised by Dr. Jeff Tamplin (2011-2013)
Thesis title: *Wood turtle, Glyptemys insculpta, microhabitat use, movement, and thermal behavior in Beaver Creek Falls Access Area, Black Hawk County, Iowa*

Kaitlyn Anderson M.S. student advised by Dr. Jeff Tamplin (2012-2013)
Thesis title: *Effect of acclimation temperature and substrate type on the selected temperature of juvenile Apalone spinifera, the spiny softshell turtle*

Molly Schlumbohm. M.S. student advised by Dr. Daryl Smith (2010-2011)
Thesis title: *The effect of tallgrass prairie species composition on above ground biomass production*

Anna Abney. M.S. student advised by Dr. Daryl Smith (2010-2011)
Thesis title: *Effect of burn timing on select insect groups in early stage of a reconstructed tallgrass prairie*

Professional Science Masters—Ecosystem Management students advised (students, project, client, year)

Amy Buckendahl, Michelle Sabatini. *University of Northern Iowa Campus Stormwater Management*, UNI Facilities and Management, 2011-2012

Patrick McManus-Reilly, Jessica Erickson. *Native Plants Education for Iowa Cities*, Living Roadway Trust Fund, 2011-2012

Ben Bonar, Paul Davis. *Conservation Management Planning for County Natural Areas: Hickory Hills Park Management Plan*, Black Hawk County Conservation Board, 2011-2012

Pieter Ver Steeg, Adam Rodenberg. *Conservation Management Planning for County Natural Areas: Cedar Valley Nature Trail Management Plan*. Black Hawk County Conservation Board, 2010-2011

Michelle Mahoney, Brady Reinert. *University of Northern Iowa Campus Stormwater Management*, UNI Facilities Management, 2010-2011

Jane Dell, Adam Shirley. *Native Plants Education for Iowa Cities*. Dr. Laura Jackson & the Living Roadway Trust Fund, 2010-2011

Mary Cox, Matt Frana, Jameson Grier. *Natural Resource Management Planning for Black Hawk County, Iowa*. Black Hawk County Conservation, 2009-2010

Justin Boersma, Ashley Kittle. *Urban Stormwater Management on the University of Northern Iowa Campus*. UNI Facilities Management, 2009-2010

Bree Castle, Julie Wynia. *Getting Back to our Roots: The Underground Life of the Prairie*, Dr. Laura Jackson & the Living Roadway Trust Fund, 2009-2010

Katie Decker. *Natural Resource Inventory and Management Plan for Twin Springs Natural Area, Black Hawk County, Iowa*. Black Hawk County Conservation Board, 2008-2009

John Holding. *Determining an Efficient Means of Sustainable Utilization of Prairie Vegetation in Biomass Production*. Tallgrass Prairie Center, 2008-2009

Kellie Evers. *Campus-wide Stormwater Management Project*. UNI Facilities Management, 2008-2009

Becky Groshens, Kim Kreiling, Isaiah Messerly. *Natural Resource Inventory and Management Plan for Cedar Island Wildlife Area, Black Hawk County, Iowa*. Black Hawk County Conservation Board, 2007-2008

Cassy Bohnet, Michelle Fuhrer. *Determining an Efficient Means of Sustainable Utilization of Prairie Vegetation in Biomass Production*. Tallgrass Prairie Center, 2007-2008

Erin Harpenau, Megan Reehl. *Hartman Bluff Stormwater Management Project*. Hartman Reserve/Dry Run Creek Watershed Project, 2007-2008

SERVICE

UNI Biology Department, Graduate Program Coordinator (2019-present)

UNI Biology Department, Student Outcomes Assessment Committee (2019-present)

Faculty Advisor, UNI Fishing Club (2017-present)

UNI Sustainability Faculty Advisory Board (2017-2024)

UNI Sustainability Certificate Curriculum Committee (2017-2024)

UNI Meskwaki Summer Institute, Project Leader (2022)

UNI Graduate College Mission & Vision Statement Committee (2021-2022)

UNI Graduate College Graduate Assistantship Allocation Committee (2019-2020)

UNI Graduate College Graduate Faculty Judge, 12th Annual Graduate Student Symposium (2019)

UNI Biology Department, Biological Preserves Committee, 2006-2008, 2010-2018, 2019-present

UNI Biology Department, Summer Undergraduate Research Program coordinator (2016-2020)

UNI Biology Department, Student Outcomes Assessment Committee (2019-present)

UNI College of Humanities, Arts, & Sciences, Faculty Research and Creative Activity Grant Review Committee (2016-2018)

Faculty Advisor, Student Nature Society (2016-2019)

UNI Biology Department, Professional Assessment Committee (PAC) Subcommittee, 2014-2016

UNI Biology Department, Professional Science Masters Ecosystem Management Committee, 2006-2014

UNI Biology Department, Natural History Interpretation Program Coordinator, 2009-2013

UNI Biology Department, Ecosystem Ecologist Search Committee, Fall 2013

UNI Biology Department, Ecologist/Plant Physiologist Search Committee, Fall 2010

UNI Biology Department, Animal Care Committee, 2007-2008

UNI Biology Department, Safety Committee, 2007-2008

UNI Biology Department, Ecology and Systematics B.A. Curriculum Review Committee, 2006-2007

PROFESSIONAL REVIEWS

Manuscripts: *Biomass & Bioenergy, Biotropica, Emu, Journal of Field Ornithology, Journal of Applied Ecology, Ornitología Neotropical, Vida Silvestre Neotropical*

Grants: Iowa Academy of Science, National Oceanic & Atmospheric Administration, National Science Foundation

PROFESSIONAL AFFLIATIONS

Society for Conservation Biology, The Wildlife Society, Iowa Academy of Science, Phi Beta Kappa Society