

MEYER P. BOHN

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RESEARCH: PEDOLOGY; DIGITAL SOIL MAPPING

Specializing in modern soil survey techniques that optimize: 1) sampling design, 2) geospatial analyses of remote-sensed environmental covariates relevant to soil formation and function, 3) geostatistical techniques for predictive digital soil mapping and disaggregation of soil map units.

EDUCATION

Ph.D. student, Soil science, current <i>Iowa State University, Ames, IA</i>	Expected graduation: Aug 2020
<ul style="list-style-type: none">Major Adviser: Dr. Bradley A. Miller, Assistant Professor of SoilsActing project title: "An alternative soil map of Iowa based on geomorphometrics and photogrammetry"	
M.S., Soil science <i>North Dakota State University, Fargo, ND</i>	11 May 2018 GPA: 4.0
<ul style="list-style-type: none">Major Adviser: Dr. David G. Hopkins, Associate Professor of SoilsProject: Project: Evaluating Soil Health using Remotely Sensed Evapotranspiration on the Benchmark Barnes Soil of North Dakota National Soil Survey Center Research Investment \$95,637	
B.S., Environmental science minors: chemistry; earth science <i>Dickinson State University, Dickinson, ND</i>	Dec 2015 GPA 3.88 Magna Cum Laude
<ul style="list-style-type: none">Major Adviser: Dr. Eric C. Brevik, Professor of Geology and Soils	

PUBLICATIONS

- Wu, W., W. A. Norvell, D. G. Hopkins, G. Christakos, M. P. Bohn, and J. Wu. 2018. Spatial Distribution of Cadmium and Zinc in Soils of Northern North Dakota. *Agron. J.* 110:1666-1680. doi:10.2134/agronj2017.08.0503
- Bohn, M., D. Hopkins, T. DeSutter, C. Gasch, & D. Steele. 2018. Predicting Soil Health and Function of the Barnes Catena Using Evapotranspiration, Vegetative, Geologic, and Terrain Attributes in the Eastern Glaciated Plains of North Dakota. ProQuest Dissertations Publishing. <http://search.proquest.com/docview/2050189617/>

CONFERENCES AND PRESENTATIONS

- Barnes Soil Change Study. North Dakota National Cooperative Soil Survey Technical Planning Workshop, 2018. *Mandan, ND.* 17 Apr 2018
- M.S. Defense: Soil Health Survey of the Barnes Catena on the North Dakota Drift Prairie: Predicting Properties with Remote-sensed CLORPT. *North Dakota State University, 2018. Fargo, ND* 11 Apr 2018
- Soil Health of the Barnes Soil Series in North Dakota: Survey Results. North Dakota State University Soil and Soil Water Training Presentations, 2018. *Fargo, ND.* https://www.ndsu.edu/soils/personnel/faculty/dr_david_franzen/soil_workshop_presentations_2017_copy_1/ 17 Jan 2018
- Bohn, M., D. Hopkins, C. Gasch, D. Steele, and S. Tuscherer. Predicting Soil Health and Function from Remote-Sensed Evapotranspiration and Terrain Attributes in the Glaciated 4 Dec 2017

Plains of Eastern North Dakota. NDSU School of Natural Resource Sciences Research Symposium, 2017. *North Dakota State University. Fargo, ND.*

- Bohn, M., D. Hopkins, C. Gasch, D. Steele, and S. Tuscherer. Predicting Soil Health and Function from Remote-Sensed Evapotranspiration and Terrain Attributes in the Glaciated Plains of Eastern North Dakota. ASA, CSSA, and SSSA International Annual meetings, 2017. *Tampa, FL.* <https://scisoc.confex.com/crops/2017am/webprogram/Paper108491.html> 22 to 25 Oct 2017
- National Cooperative Soil Survey National Conference, 2017. *Boise, ID* 25 to 29 Jun 2017
- Bohn, M., D. Hopkins, D. Steele, and S. Tuscherer. Evaluating Soil Health Using Remotely Sensed Evapotranspiration on the Benchmark Barnes Soils of North Dakota. EGU General Assembly. EGU, 2017. *Vienna, Austria.* <https://meetingorganizer.copernicus.org/EGU2017/EGU2017-464.pdf> 23 to 28 Apr 2017
- Bohn, M., D. Hopkins, D. Steele, and S. Tuscherer. Evaluating Soil Health using Remotely Sensed Evapotranspiration on the Benchmark Barnes Soils of North Dakota. North Dakota National Cooperative Soil Survey Technical Planning Workshop, 2017. *Fargo, ND.* 11 to 12 Apr 2017
- Bohn, M., D. Hopkins, D. Steele, and S. Tuscherer. Evaluating Soil Health Using Remotely Sensed Evapotranspiration on the Benchmark Barnes Soils of North Dakota. 60th Annual Manitoba Soil Science Society Conference. *Winnipeg, MB.* <https://www.mbsoils.ca/> 2 to 3 Feb 2017
- Bohn, M., D. Hopkins, D. Steele, and S. Tuscherer. Evaluating Soil Health Using Remotely Sensed Evapotranspiration on the Benchmark Barnes Soils of North Dakota. ASA, CSSA, and SSSA International Annual meetings, 2016. *Phoenix, AZ.* <https://scisoc.confex.com/scisoc/2016am/videogateway.cgi/id/26819?recordingid=26819> 6 to 9 Nov 2016
- SSSA, ASA, CSA Graduate Student Leadership Conference, 2016. *Phoenix, AZ.* <https://www.acsmeetings.org/graduates-leadership-conference> 5 to 6 Nov 2016
- International Union for Quaternary Research (INQUA) Loessfest. *Eau Claire, WI.* <http://www.loessfest2016.msu.edu/> 22 to 25 Sept 2016
- Bohn, M., D. Hopkins, D. Steele, and S. Tuscherer. Evaluating Soil Health Using Remotely Sensed Evapotranspiration on the Benchmark Barnes Soils of North Dakota. North Dakota National Cooperative Soil Survey Technical Planning Workshop, 2016. *Mandan, ND.* 5 Apr 2016

ORGANIZATIONS AND VOLUNTEERING

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- Soil Science Society of America 2016 to current
 - Membership growth and retention task force May 2017 to current
 - Congressional Visit Days; Political advocacy campaigning for federal funding of agricultural research programs like AFRI. Visited with congressional members and/or staffers. *Washington, DC.* 12 to 14 Mar 2017
 - Gamma Sigma Delta, *The Honor Society of Agriculture*; NDSU Chapter 16 Apr to present
 - Instructor; FM River Keepers, *The Lil' Fisherman's Derby and Clinic, Fargo, ND.* Jul 2017
 - Dickinson State University (DSU) Science Club 2013 to 2015
 - Secretary
 - Coordinated and engaged in volunteering and fundraising activities
 - DSU *Theodore Roosevelt Honors Leadership Program* 2012 to 2015
 - Honors/leadership courses
 - Coordinated and engaged in volunteering and fundraising activities

- DSU Fellowship of Christian Athletes (FCA) 2011 to 2015
 - Established campus organization
 - Coordinated meetings, events, and recruitment
- DSU Football *Rent-a-hawk* community clean-up volunteer 2014 to 2015
- DSU Science Olympiad event leader 2012 to 2013
- FCA Wrestling Summer Camp coach 2012 to 2015

EDUCATION AND OUTREACH

- Research Mentor; Iowa State University Honors Program, *First-Year Mentor Program* Fall 2018
- Teaching assistant; SOIL 695 Interpretations of field soils, *North Dakota State University* Summer 2018
- Soil texture demonstration for 1st grade classes; McKinley Elementary. *Fargo, ND.* 25 Apr 2018
- Conservation Tillage Conference. *Fargo, ND.* 14 Dec 2016
https://www.ndsu.edu/soilhealth/?page_id=2279
 Morphologic demonstration of Barnes soil series catenary relationships for local farmers.
- Soil properties demonstration for 6th grade classes; Northern Cass 97 School District. *Hunter, ND.* 28 Jan 2016

HONORS AND AWARDS

- Iowa State University Graduate Dean Scholarship 2018 to present
- SSSA, ASA, CSA Future Leaders in Science Award 14 Mar 2017
- SSSA, ASA, CSA Graduate Student Leadership Conference Award 6 Nov 2017
- Michael D. Sweeney Memorial Scholarship 2017
- NASA ND Space Grant Consortium Master's Fellowship 2016
- ND EPSCoR Graduate Research Fellowship 2016 to 2018
- NDSU Base Tuition Waiver and Stipend 2016 to 2018
- NDSU Clarence and Cora Engberg Scholarship 2016
- NDSU Mark Andrews Scholarship 2017
- DSU Homecoming King 2015
- DSU Foundation Dr. Al Watrel Scholarship 2013 to 2015
- DSU Foundation John Dinsdale Scholarship 2013 to 2015
- DSU Roughrider Award 2012 to 2015
- North Dakota Scholastic Scholarship 2011 to 2015
- DSU Bluehawk Booster Athletic Scholarship 2011 to 2015
- NASA ND Space Grant Consortium Undergraduate Scholarship 2015
- DSU Foundation Kenneth and Mary Mann Scholarship 2013 to 2014
- DSU Foundation Dr. Dale and Glenice Hansen Scholarship 2012
- DSU Theodore Roosevelt Honors Leadership Program Scholarship 2012 to 2015

- North Dakota Knights Templar Educational Foundation Scholarship 2014, 2016
- North Dakota Water Education Foundation Scholarship 2013
- DSU Bluehawk Talon Waiver 2011

ATHLETICS

- DSU Male Senior Athlete of the Year 2016
- DSU Football 2011-2015
 - AFCA NAIA 1st team All-American OL
 - All-State AFCA Good Works Team Nominee
 - NAIA Champion of Character Playoff Selection
 - NAIA Football Academic All-American (3x)
 - Travis Lunda Award
 - Most Valuable Interior Lineman
 - NSAA 1st team All-Conference OL
 - NSAA 2nd Team All-Conference OL
 - Team Captain (2x)
 - Player council (2x)
 - Starting OL (3x), MLB (1x)
- DSU Wrestling 2011 to 2015
 - NAIA Wrestling Academic All-American (3x)
 - HWT regional team selection (2x)

EMPLOYMENT HISTORY

- Fastenal Company | Part-time Sales Support | Bismarck and Dickinson stores May 2011- Sept 2015
 1405 Airport Road, Bismarck, ND 58504
 701-255-4408
 Manager: Jon Davis
 2349 3rd Ave. W, Dickinson, ND 58601
 701-483-2658
 Manager: Cory Berg
- Badlands Plumbing LLC | Master Plumber's Assistant Summer 2014 to 2015
 10662 35U St. SW, Dickinson, ND 58601
 701-590-9299
 Owner: Brad Peters
- DJ Coleman Inc. | Hired hand Summer 2011
 4202 201st Ave NE
 Baldwin, ND 58521
 701-391-6940
 Owner/Contact: Clark Coleman
- Meyer Cattle Company | Hired hand Summer 2007 to 2012

6144 90th St. SW, Morristown, SD 57645

701-522-3450

Owner: Mark Meyer

REFERENCES

- Eric C. Brevik, Ph.D.
Professor of Geology and Soils
Chair, Department of Natural Sciences
Dickinson State University
291 Campus Dr., Dickinson, ND 58601
Phone: 701-483-2104
Email: eric.brevik@dickinsonstate.edu
- D.C. Coston, Ph.D.
Former Dickinson State University President (2011-2015)
1176 Haven Rd., Birmingham, AL 35242
Email: coston1964@yahoo.com
Phone: 701-793-9532
- Pete Stanton
Head Football Coach
Instructor of Health and Physical Education
Department of Health and Physical Education
Dickinson State University
291 Campus Dr., Dickinson, ND 58601
Phone: 701-483-2037
Email: p.stanton@dickinsonstate.edu