

## *Curriculum Vitae*

Bruce V. Millett , PhD

Department of Geography  
South Dakota State University  
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### EDUCATION

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South Dakota State University, Brookings, SD  
Ph.D. in Biological Sciences

#### *Biogeography*

South Dakota State University, Brookings, SD  
M.S. in Geography 1999  
Thesis: *Vertical Accuracy Assessment of Large Scale Digital  
Elevation Models*  
Area of Concentration: *Spatial Techniques and Physical Geography*

Plymouth State University, Plymouth, NH

GEOG337 Atmospheric Science	2006 ±2016
GEOG339 Geomorphology	2010 ±2015
GEOG483 Air Photo Interpretation	2005 ±2016
GEOG483L Air Photo Interpretation Lab	2006 ±2016
GEOG472 Introduction to GIS	2005 ±2016
GEOG473/573 GIS Data Creation/Integration	2006 ±2012
GEOG474/574 GIS: Vector & Raster Modeling	2016
GEOG492 Climate Change	2007 ±2008
GEOG492 Oceanography	2009
GEOG492 Military Geography	2006
Guest Lecturer LA-560L/560BIOL-560L	
Landscape Ecology Lab	2006 ±2012
Provided lecture materials for GSE-743	2010

State University  
September 1996 ± May 1998.

Nonacademic :

Digital Map Technician, Geographic Data Technology (GDT) Lebanon, NH.  
September 1994 ± August 1995

United States Navy (Primary Commands and Positions)

Carrier Augmentation Unit 0189, United States Naval Operational Support  
Center, Minneapolis, MN. Administrative Leading Chief Petty Officer,  
Safety Leading Chief Petty Officer  
October 2004 - December 2007.

Weather Forecaster, Satellite Interpreter/Briefer, and Oceanographic  
Interpreter/ Briefer.  
November 1997 - December 2007.

Naval Oceanography Command Facility, Mobile Environmental Team  
Leader, Naval Air Station North Island, San Diego, CA  
February 1988 - September 1990.

DHHS/Centers for Disease Control (CDC) through (FPT) SD Department of Health (DOH).

Past:

\$900, Supervisor, South Dakota View. Undergraduate / Graduate Mini-Grant Program. July 28, 2015 - December 31, 2015. Graduate student Byron Will-Noel.

\$856,574, EPA Grant Number: R833016

Title: Non-Linear Response of Prairie Pothole Landscapes to Climate Change and Land Management

Johnson, W. Carter, R. Adams, P. Fay, G. Guntenspergen, B. Millett, J. Olker, B. Rashford, M. Tulbure, R. Voldseth, Werner. 2012. Non-linear response of prairie pothole landscapes to climate change and land management. Final Report to the *Environmental Protection Agency STAR Grant Program*, Washington, DC. 7 pp.

Gritzner, J and B. V. Millett. Modeling Surface-flow in the Prairie Pothole Region of North America. *Geo-Carpatica* 2012

Johnson, W.C., B. Werner, G.R. Guntenspergen, R.A.Voldseth, B.V. Millett, D.E. Naugle, M. Tulbure, R.W.H. Carroll, J. Tracy, and C. Olawsky. 2010. Prairie Wetland Complexes as Landscape Functional Units in a Changing Climate. *BioScience* Volume 60 Issue 2. 128-140.

Millett, B. V., W.C. Johnson, R.A. Voldseth, and G.R.Guntenspergen. 2009. Climate trends of the North American prairie pothole region 1906-2000. *Climatic Change* 93:243-267.

Voldseth, R.A., W.C. Johnson, G.R. Guntenspergen, T. Gilmanov, and B.V. Millett. 2009. Adaptation of Farming Practices Could Buffer Effects of Climate Change on Northern Prairie Wetlands. *Wetlands*. 29(2):635-647.

Millett, Bruce V., - D Q H W \* U L W ] Q H U D ~~Modeling Surface Flow~~ *Characteristics in Glaciated Landscapes* In Proceedings of ESRI International User Conference, 2009.

Voldseth, Richard A., W. Carter Johnson, Tagir Gilmanov, Glenn R. Guntenspergen, and Bruce V. Millett. 2007. Model Estimation of Land-Use Effects on Water Levels of Northern Prairie Wetlands. *Ecological Applications* 17:527-540.

Millett, Bruce V., W. Carter Johnson, and Richard A. Voldseth. Northern Prairie Wetlands and Climate Change *In Proceedings of the 26<sup>th</sup> Annual ESRI International User Conference* August 5-8, 2006. San Diego, CA.

Johnson, W.C., B.V. Millett, T. Gilmanov, R.A. e W\* n BT /F1 12 Tf 1 0 0 1 355.39 215.54 Tm 0 g C

*Maritime World*. Chapter 2, The Dynamic Ocean. Millennium House:  
Elanora Heights, N.S.W.

American Museum of Natural History, Hall of Biodiversity. 2010. Video and  
Science Bulletins website: <http://www.amnh.org/sciencebulletins> Duck

*Model Simulations of Climate and Wetland Types.* Eastern South Dakota Water Conference, Brookings, SD. October 2011.

*Simulation Assessment of Climate and Prairie Wetland Complex* Annual meeting of the Rocky Mountain-Great Plains of the Association of American Geographers, Lawrence, KS. October 9, 2010.

*Changing Climate and Prairie Wetland Complexes* Annual meeting of the Association of American Geographers in Washington DC. April 16, 2010.

*Modeling Surface-Flow Characteristics in the Prairie Pothole Region* With Janet Gritzner. Annual meeting of the Association of American Geographers in Las Vegas. March 26, 2009.

*Modeling Depressional Wetlands with IFSAR DTMs and ORIs* With Janet Gritzner. Annual m



*Vulnerability of northern prairie wetlands to climate change*. With W. C. Johnson, R. Voldseth, G. Guntenspergen, and D. Naugle. South Dakota State University, Geography Department 39th Annual Geography Club Meeting. Brookings, SD. 2006.

*Stream Flow Classifications: Application, Regulation, and Litigation*. With Janet Gritzner. Annual meeting of the Association of American Geographers, Philadelphia, PA March 2004.

*Vulnerability of Prairie Pothole Landscapes to Climate Change* United States International Association of Landscape Ecology, Lincoln, NE April 2001

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## SERVICE

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Geography Club and 48<sup>th</sup> Annual Convention Faculty Advisor 2016 ±Pres.  
Geography Club and 47<sup>th</sup> Annual Convention Faculty Advisor 2015 ±2016.  
Geography Club and 46<sup>th</sup> Annual Convention Faculty Advisor 2014 ±2015.  
Geography Club and 45<sup>th</sup> Annual Convention Faculty Advisor 2013 ±2014.  
Geography Club and 44<sup>th</sup> Annual Convention Faculty Advisor 2012 ±2013.  
Geography Club and 43<sup>rd</sup> Annual Convention Faculty Advisor 2011 ±2012.  
Geography Club and 42<sup>nd</sup> Annual Convention Faculty Advisor 2010 ±2011.