



# Dawn Gardner

senior vegetation ecologist  
senior wetland specialist

Dawn has over 9 years of experience in all aspects of project management, historical literature review, data gathering, map review, field surveys, results analysis, data presentation, and report compilation for **BKS ENVIRONMENTAL ASSOCIATES, INC.** She specializes in baseline assessments, reclamation monitoring, wetland delineations, threatened and endangered (T&E) species and habitat surveys, stream inventories, environmental compliance, and wildlife habitat surveys.

## COMPANY

Since incorporation in Wyoming in 1981, **BKS ENVIRONMENTAL ASSOCIATES, INC.** (BKS) has earned a trusted and respected reputation as one of the leading companies offering environmental services for the extraction industries including coal, oil & gas, uranium, and other mining industries. BKS specializes in Soils, Vegetation, Wetland & Wildlife Surveys, as well as Reclamation Design and Monitoring. We provide environmental services, not only in Wyoming, but throughout the Western United States.

## EXPERIENCE

2008- Present

**SENIOR VEGETATION ECOLOGIST AND WETLAND SPECIALIST**– BKS Environmental Associates, Inc., Gillette, WY

- + Project management including client communications, budget tracking, and scheduling
- + Conduct fieldwork including baseline vegetation and wetland assessments, threatened and endangered plant species and habitat surveys, reclamation monitoring, wildlife habitat assessments, small mine permitting, and reclamation planning

2007

**HYDROLOGIC TECHNICIAN**– US Forest Service, Bear Lodge Ranger District, Sundance, WY

- + Conducted road stream crossing assessments, pre-harvest assessments to determine overall site conditions, and BMP monitoring assessments on post-harvest sale units.
- + Compiled reports and maps to document assessment results



2004-2007

**GRADUATE RESEARCH ASSISTANT**– South Dakota State University, Wildlife and Fisheries Department, Brookings, SD

- + Reviewed and synthesized available literature, developed spatial and temporal distribution maps, determined voids in biological knowledge base, and outlined future research focus areas for three upland nesting shorebirds in SD
- + Assisted with Greater Sage Grouse project: tracked and located nests of radio marked grouse, collected vegetation data, and captured chicks for radio marking

**EDUCATION**

2007

**MASTER OF SCIENCE** – South Dakota State University, Brookings, SD

- + Wildlife and Fisheries Sciences/Wildlife Emphasis

2003

**BACHELOR OF SCIENCE** – South Dakota State University, Brookings, SD

- + Biology/Botany Emphasis and Environmental Management

**CERTIFICATES**

2017

**MSHA** Experienced Miner 8hr Annual Refresher

2017

**FIRST AID AND CPR** National Safety Council

2014

**OSHA** General Industry 10hr Course

2012

**CONTRACTOR CERTIFIED PERSON** Wyoming State Mine Inspector

2012 - 2015

**THREATENED & ENDANGERED PLANT TRAININGS** Uinta Basin Rare and Listed Plant Training and Webinars and *Penstemon haydenii* habitat identification training

2010

**SAFELAND USA**

2010

**WETLAND DELINEATION** Emphasis in Soils and Hydrology, Wetland Training Institute

2008

**MSHA** New Miner Training

**PUBLICATIONS**

2011

**DETERMINING RECLAMATION POTENTIAL FOR STEEP OIL AND GAS SITES IN THE POWDER RIVER BASIN, WYOMING.** Schladweiler, B.K. and D.M. Gardner. 2011. Presented at the 2011 National Meeting of the American Society of Mining and Reclamation, Bismarck, ND. Reclamation: Science Leading to Success. June 11-16, 2011.

2008

**STATUS OF MARBLED GODWITS IN SOUTH DAKOTA: BASED ON A 2007 LITERATURE SYNTHESIS.** Gardner, D.M., K.F. Higgins, and K.C. Jensen. 2008. SD Academy of Science Vol. 85: 85-110.

2008

**STATUS OF UPLAND SANDPIPERS IN SOUTH DAKOTA: BASED ON A 2007 LITERATURE SYNTHESIS.** Gardner, D.M., K.F. Higgins, and K.C. Jensen. 2008. SD Academy of Science Vol. 85: 111-140.



## PUBLICATIONS

- 2008 **STATUS OF WESTERN WILLETS IN SOUTH DAKOTA: BASED ON A 2007 LITERATURE SYNTHESIS.** Gardner, D.M., K.F. Higgins, and K.C. Jensen. 2008. SD Academy of Science Vol. 85: 141-166.
- 2007 **STATUS OF UPLAND SANDPIPERS, MARBLED GODWITS, AND WESTERN WILLETS IN SOUTH DAKOTA.** Gardner, D.M. 2007. M.S. Thesis, SDSU, Brookings, SD.
- 2006 **AN ANNOTATED BIBLIOGRAPHY ABOUT THE FISH RESOURCES OF SOUTH DAKOTA.** Bouchard, M.A., K.F. Higgins, D.M. Gardner, C.R. Berry, and S.R. Chipps. 2006. SD State University Bulletin 751. SDSU, Brookings, SD.
- 2005 **ABUNDANCE AND DIVERSITY OF SMALL MAMMALS IN EXOTIC AND RESEEDED NATIVE GRASSLANDS AT OAKWOOD LAKES STATE PARK.** Gardner, D.M., K.C. Jensen, K.F. Higgins, N.K. Hansen, and A.A Huehl. 2005. SD Academy of Science Vol. 84: 109-117.
- 2005 **INFLUENCE OF BIOCONTROL INSECTS ON CANADA THISTLE: SEED PRODUCTION, GERMINABILITY AND VIABILITY.** Larson, G.E., G.A. Wittig, K.F. Higgins, B. Turnipseed, and D.M. Gardner. 2005. Prairie Naturalist Vol. 37: 85-100.

## PRESENTATIONS

- 2016 **INVESTIGATION INTO ESD DATA AS POTENTIAL VEGETATION REFERENCE AREAS IN OIL AND GAS DEVELOPMENT.** B.K. Schladweiler, A.D. Sisel, and D.M. Gardner. 2016. 2016 Rawlins Industry Meeting, Rawlins, WY. October 12, 2016.
- 2013 **COMPARISON OF VEGETATION COVER VS PRECIPITATION ON A RECLAIMED COAL MINE IN NORTHEASTERN WYOMING.** Gardner, D.M., M.J. Kasten, and B.K. Schladweiler. 2013. 2013 Joint Conference 2<sup>nd</sup> Wyoming Reclamation Symposium and 30<sup>th</sup> Annual Meeting of the American Society of Mining and Reclamation, Laramie, WY. June 6, 2013.
- 2007 **STATUS OF UPLAND SANDPIPERS, MARBLED GODWITS, AND WESTERN WILLETS IN SOUTH DAKOTA.** Gardner, D.M., K.F. Higgins, and K.C. Jensen. 2007. SD Academy of Science, Chamberlain, SD. April 4-5, 2007.
- 2006 **STATUS OF UPLAND SANDPIPERS, MARBLED GODWITS, AND WESTERN WILLETS IN SOUTH DAKOTA.** Gardner, D.M., K.F. Higgins, and K.C. Jensen. 2006. 67<sup>th</sup> Midwest Fish and Wildlife Conference, Omaha, NE. December 3-6, 2006.
- 2006 **STATUS OF UPLAND SANDPIPERS, MARBLED GODWITS, AND WESTERN WILLETS IN SOUTH DAKOTA.** Gardner, D.M., K.F. Higgins, and K.C. Jensen. 2006. 1<sup>st</sup> Western Hemisphere Shorebird Science Meeting, Boulder, CO. February 27-March 2, 2006.

2005



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**ABUNDANCE AND DIVERSITY OF SMALL MAMMALS IN NATIVE AND EXOTIC GRASSLAND HABITATS AT OAKWOOD LAKES STATE PARK.**

Gardner, D.M., N.K. Hansen, A.A. Huehl, and K.C. Jensen. 2005. SD Academy of Science, Sioux Falls, SD. April 9-10, 2005.