JILL A. SHERWOOD

I have a vast amount of experiences through which I developed an excellent knowledge and skill base in GIS, ecological research, grant writing, and project management that would benefit any organization.

During my over 10 year career in GIS, I have been a part of projects ranging from the analysis of basin morphometry of Iowa wetlands to the design and creation of a City's GIS.

EDUCATION

2013 | 2009

M.S., Ecology, Evolution, and Organismal Biology
Iowa State University — Ames, IA

- Thesis: "Effects of experimentally reduced snowpack and passive warming on montane meadow plant phenology and floral warming on montane meadow plant phenology and floral resources resources"

2001 | 2000

M.S., Genetics
Iowa State University — Ames, IA

- Thesis: "An Examination of Reproductive Phenology with Implications for Understanding Climate Change Effects"

1995 | 1991

B.S. with Honors, Exercise Science
Ball State University — Muncie, IN

PROFESSIONAL EXPERIENCE

Present | 2018

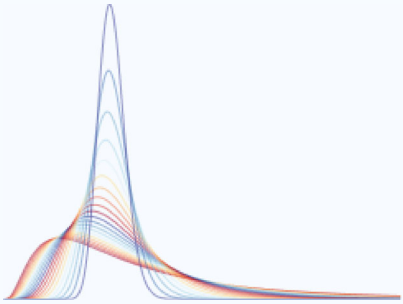
Geospatial Data Analyst
Arizona State University — Tempe, AZ

- Responsible for the collection, processing, documentation (metadata), analysis, and curation of the thousands of geospatial datasets and other digital assets made available through the Map and Geospatial Hub.
- Technical lead on geospatial projects
- Created an online platform in ArcGIS Hub to make geospatial more easily accessible to a wider audience.

2018 | 2017

HDMS Data Specialist
Arizona Game and Fish Department — Phoenix, AZ

- Maintained species occurrence data for Arizona's threatened and endangered species in a web-enabled platform for tabular and spatial data management.
- Managed invasive species geospatial and tabular data for the State of Arizona.



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CONTACT

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LANGUAGE SKILLS

- ArcGIS Desktop
- ArcGIS Pro
- QGIS
- ArcGIS Enterprise
- Python
- SQL
- R

*Made with the R package **pagedown**. The source code is available at github.com/nstrayer/cv.*

Last updated on 2020-10-07.

2015

GIS Coordinator

City of Eloy, AZ — Eloy, AZ

- Implemented GIS in the city of Eloy. Conducted interviews for GIS needs assessment, and identified spatial data needs within the city. Designed geodatabase feature classes and data dictionaries.
- Created, converted, and refined City's utility system using information from paper plans, digital files, and field collected GPS locations.
- Maintained information in an Enterprise geodatabase versioned environment to update features, as needed.

2007 | 2006

Environmental Scientist

RMT, Inc. (formally MHA Environmental Consulting, Inc.) — San Mateo, CA

- Edited and wrote environmental documents to comply with the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA).
- Assisted with GIS analysis and map production for environmental documents.

2006 | 2002

Research Associate II

University of California San Francisco — San Francisco, CA

- Analyzed tissue samples in genetic and cellular experiments to understand and identify genetic pathways of tumor angiogenesis.

RESEARCH EXPERIENCE

2013 | 2009

Graduate Research Assistant

GIS Support and Research Facility — Iowa State University

- Provided university and community-wide GIS research assistance and collaborated on a variety of GIS projects.

2013 | 2009

Graduate Research Assistant

Debinski Laboratory — Iowa State University

- Designed and implemented a study to assess the effects of nighttime warming and snowpack on a butterfly population and associated host and nectar plants in Grand Teton National Park in Wyoming.

SELECTED PUBLICATIONS, POSTERS, AND TALKS

2019

Experimentally Simulating Warming and Snow Loss in a Mountain Meadow Ecosystem

International Association for Landscape Ecology World Congress - Milan, Italy

- Presentation. Authored with Diane Debinski, Petruta Caragea and Matthew Germino

2017

Experimentally simulating climate change in a montane meadow system via reduced snowpack and passive warming: soil and plant responses.

Ecosphere

- Authored with Diane Debinski, Petruta Fahrenholtz and Matthew Germino

2012 **Summary of an Ongoing Population Study of Parnassius ClodiusButterflies**

Yellowstone Ecosystem Report

• Authored with Diane Debinski

2011 **Experimentally Simulating Climate Change Effects on Trophic Interactions in Montane Meadow Systems.**

Midwest Fish and Wildlife Conference - Des Moines, IA

• Authored with Diane Debinski and Matthew Germino

2011 **An Examination of Interannual Population Variation in Parnassius Clodius Butterflies**

University of Wyoming National Park Service Research Center Annual Report

• Authored with Diane Debinski

2010 **Testing the Effects of Simulated Climate Change Effects Using Open Sided Warming Chambers**

University of Wyoming National Park Service Research Center Annual Report

• Authored with Diane Debinski and Matthew Germino

2009 **An Examination of Reproductive Phenology with Implications for Understanding Climate Change Effects**

Grand Teton National Park Report

• Authored with Diane Debinski

SELECTED GRANTS

2017 **Graduate Student Travel Assistance Grant For Field Research**

Science

2016 **Graduate Student Travel Assistance Grant For Field Research**

The Center for Global and Regional Environmental Research, University of Iowa

2012 **Ecology and Evolutionary Biology Departmental Grant**

The Center for Global and Regional Environmental Research, University of Iowa

2012 **Seed Grant**

The Center for Global and Regional Environmental Research, University of Iowa

2010 **Grant A. Harris Research Instrumentation Fellowship**

Decagon Devices, Inc.

2010 **Joan Mosenthal DeWind Award**

Xerces Society

2010 **Ecology and Evolutionary Biology Departmental Grant**

Iowa State University