

STACEY M. MARION

staceymarion.com

12220 412 Ave SE ▪ North Bend, WA 98045

stacmarion@gmail.com ▪ (860) 748-6095

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PROFILE

As an Ecologist, I developed and implemented science-based ecological restoration in southwest Wisconsin, and through the process developed an intimate relationship with the land. In advancing my GIS and Cartography technical knowledge through my Master's in GIS and Cartography at UW-Madison, I now explore our interactions with the land from a bird's eye view. I am an excellent conceptual and analytical thinker who has a broad base of design and technical skills. I am interested in melding my knowledge as a land manager with my technical skills in GIS analysis and visualization to advance land use projects.

SKILLS and CERTIFICATIONS

See my portfolio of maps, web maps, and storymaps at staceymarion.com/maps.html

ArcGIS Desktop, ArcGIS Pro, ArcGIS Online
QGIS
HTML/CSS/Javascript
SQL
Python (basic)
R | RStudio | General statistical theory and analysis
Java (basic)
PostgreSQL/PostGIS with pgAdmin

Content and design of interpretive media
Public meeting and volunteer facilitation
Knowledge of natural history

Project Management Certificate, 2019 (UW-Madison)

Storymaps, ESRI platform
Digital scrollytelling
Cartography/digital map making
Adobe Illustrator, InDesign
Drawing and illustration

Technologies
Bootstrap
Leaflet
D3
Mapbox
jQuery (basic)
GitHub

EDUCATION

MS CARTOGRAPHY & GIS - ACCELERATED, University of Wisconsin - Madison, 2021

The Program covers core competencies in the principles of cartographic design, gis software, spatial analysis, and programming. Relevant coursework: Graphic Design in Cartography, Interactive Cartography & Geovisualization, Spatial Databases, Spatial Web & Mobile Programming.

MS AGROECOLOGY, University of Wisconsin - Madison, 2015

The Agroecology Program was an interdisciplinary degree program emphasizing critical thinking and research related to agriculture and agricultural issues in a socio-economic and environmental context. The program focuses on issues of land use in Wisconsin and across the globe. Culminated in a Master Thesis and journal publication.

BA BIOLOGY, Colgate University, 2011

Off-campus Study in Biology, University of Montana, Summer 2009

RELEVANT PROFESSIONAL EXPERIENCE

- Jan 2021-Aug 2021 **GISPP FELLOW** UW-Madison Cartography Lab, WI (*part-time*)
Implement collaborative cartographic and design productions, including map products, ArcGIS storymap, and dashboard.
- Aug 2016-Jan 2021 **RESTORATION ECOLOGIST** [Adaptive Restoration LLC](#), WI
Restoration project management and documentation (25%)
 - Develop management plans guiding land stewardship; develop and maintain budgets and financial records; monitor and document restoration outcomes
 - Create and maintain project maps; write burn plans and design burn maps
 - Wrote 5-year master plan for City of Middleton's conservancy landsClient consulting (25%)
 - Develop relationships with private landowners; independently and collaboratively facilitate >15 projects, >100K revenue
 - Consult with two municipalities totaling >800 ac of conservancy, 100k revenueSite assessments (20%)
 - Conduct ecological assessment of prairies, savannas, woodlands and wetlands
 - Monitor and interpret outcomes of restoration activities
 - Perform and record botanical surveysImplementation of restoration activities (20%)
 - Assist with restoration activities: prescribed burning (200+ burns), seeding, forestry and weed managementOther (10%)
- Mar-Aug 2016 **RESTORATION AND FORESTRY INTERN** Adaptive Restoration LLC, WI
- Apr 2015-Mar 2016 **ASSOCIATE RESEARCH SPECIALIST** Dept of Agronomy, UW-Madison
- 2016 (limited hours) **RESEARCHER** Tallgrass Prairie and Oak Savanna Fire Science Consortium
- Sep 2012-Apr 2015 **GRADUATE RESEARCH ASSISTANT** Dept of Agronomy, UW-Madison

COMMUNITY ENGAGEMENT

Vice Chair and Government Relations lead, Wisconsin Prescribed Fire Council (2018-current)

Support advancement of Council initiatives through liaising with the Wisconsin DNR and stakeholders.

Monthly engagement 10-20 hrs

Board Member and Junior Team Coach, Madison Nordic Ski Club (2019-2021)

US Ski & Snowboard L-100 Coaching Certification, in process

Conservation Data [Lab](#), member (2021-current)

Volunteering with The Nature Conservancy to perform a Prescribed Fire Needs Assessment, Wisconsin.

INTERESTS

Ultra trail running

Appear in REI Co-op short film REI Presents: [Women in Fire](#)

Organic farming (2007-2012)