

PROFILE

As a Restoration Ecologist, I developed and implemented science-based ecological restoration and forestry with private landowners, municipalities, non-profits, state agencies in southwest Wisconsin. I am fascinated by the intersection of human land use and the environment. I am interested in melding my knowledge as a land manager with my technical skills in GIS analysis and visualization to advance conservation projects and ultimately inform conservation policy.

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 storymaps, and ESRI dashboards.
- 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 lands
Client 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 revenue
Site assessments (20%)
 - Conduct ecological assessment of prairies, savannas, woodlands and wetlands
 - Monitor and interpret outcomes of restoration activities
 - Perform and record botanical surveys
Implementation of restoration activities (20%)
 - Plan and implement prescribed fire (200+ burns)
 - Assist with restoration activities: seeding, forestry and weed management
Scheduling (15%)
Other (10%)
 - HR; intern mentorship; volunteer interpretation; billing and invoicing
- 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

EDUCATION

MS CARTOGRAPHY AND GIS ACCELERATED, University of Wisconsin - Madison, *expected summer 2021*

MS AGROECOLOG, University of Wisconsin - Madison, 2015

BA BIOLOGY, Colgate University, 2011

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

COMMUNITY ENGAGEMENT

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

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

Board Member, Membership Chair, and Head Coach, Madison Nordic Ski Club (2019-2021)

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

Conservation [Data Lab](#), member

Volunteer with The Nature Conservancy. Performing an update to the 2014 (Wisconsin) Fire Needs Assessment, in process.

SKILLS and CERTIFICATIONS

See my portfolio of maps and storymaps at <https://staceymarion.github.io/maps.html>

QGIS, ArcGIS Desktop, ArcGIS Pro
HTML/CSS/Javascript (basic)
SQL/Python (basic)
R | General statistical theory and analysis

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

Project Management Certificate, 2019 (UW-Madison)

Cartography/digital map making
Adobe Illustrator, InDesign
Drawing and illustration

Fire Fighter Type II
NWCG S-219
WI NRCS pre-approved burn plan writer
Women's TREX Yosemite, CA, 2018 (participant)
East River USFWS TREX Huron, SD, 2017 (participant)

INTERESTS

Ultra trail running

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

Organic farming (2007-2012)

Continuing Education coursework:

The Land Ethic Reclaimed: Perceptive Hunting, Aldo Leopold, and Conservation

Forests and Humans: From the Midwest to Madagascar

Climate Change Policy and Public Health