

Aspen Manning

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1951 Hunter Rd. #10205, San Marcos, TX 78666

Education

Ph.D. Candidate (ABD), Geography and Environmental Studies expected graduation May 2022
Texas State University

Dissertation: *Riparian vegetation and connectivity of headwaters streams in the Southwest*

2018—M.S., Geography

Texas State University

Thesis: *Riparian forest recovery following a catastrophic flood on the Blanco River, Texas*

2015—B.A., Geography, summa cum laude

University of Texas at San Antonio

Peer- Reviewed Publications

- Manning, A., J. P. Julian, and M. W. Doyle. 2020. Riparian vegetation as an indicator of stream channel presence and connectivity in arid environments. *Journal of Arid Environments* 178:104167
- Manning, A. and K. Meitzen. 2019. Blanco River riparian forest regeneration following a record flood in Central Texas. *The Southwestern Naturalist* 64: 195-202.
- Williams, C. and A. Manning. 2020. Comparison between two surveys of *Physostegia correllii* (Lamiaceae) in Travis County, Texas. *Phytoneuron* 2020-5: 1-7.
- Manning, A., and J. Julian. 2018. Ecosystem services and damage costs to federal lands: Case study of Gila National Forest, USA. *Southwestern Geographer* 21: 1-15.
- Meitzen, K., J. Phillips, T. Perkins, A. Manning, and J. Julian. 2018. Catastrophic flood disturbance and a community's response to plant resilience in the heart of the Texas Hill Country. *Geomorphology* 305: 20-32.

Publications in Prep

- Manning, A. and K. Meitzen. *In prep.* Environmental controls on post-flood riparian forest regeneration. To be submitted to *Physical Geography*.
- Manning, A. and K. Meitzen. *In prep.* The geomorphology of plant invasions. To be submitted to *Anthropocene*.
- Manning, A. J. P. Julian, R. Weaver, S. Maleki, and A. Garcia. *In prep.* Influences on visitation to an urban wilderness, San Marcos, Texas, USA.

Teaching Experience

Instructor of Record

Department of Geography, Texas State University

- Fall 2020: Meteorology GEO1305.002 – 123 students
- Spring 2021: Meteorology GEO1305.253 – 122 students
- Fall 2021: Meteorology GEO1305.001 – 121 students

Lab Instructor

Department of Geography, Texas State University

- Fall 2018: Physical Geography Lab GEO2410/2110 – 20 students
- Spring 2019: Physical Geography Lab GEO2410/2110 – 20 students

Teaching Assistant

- Fall 2019-Spring 2020: Meteorology, two sections

Research Experience

2017-2020 – Research Assistant

Department of Geography, Texas State University

- Conducted a comprehensive literature review on riparian vegetation of ephemeral dryland streams
- Performed analysis on city park visitation

2019 – Field Assistance

- Assisted with fieldwork for a study on connectivity on the headwaters of the Guadalupe River, TX

2018 – Field Assistance

- Assisted with a vegetation survey mapping populations of *Physostegia correllii*

Relevant Work Experience

Summer 2021, GIS Specialist

Texas Natural Diversity Database, Texas Parks and Wildlife Department

- Entered tabular and spatial data on rare plant communities into a GIS database

Honors and Awards

2021 – Detlefsen Doctoral Excellence Scholarship, Texas State University Department of Geography (\$500)

2021 – Mao-Geng Zhan Scholarship for Academic Excellence, Texas State University Department of Geography (\$900)

2020 – Ray and Marion Butler Environmental Geography Scholarship, Texas State University Department of Geography (\$300)

2019 – Detlefsen Doctoral Excellence Scholarship, Texas State University Department of Geography (\$2000)

2019 – Bobcat Stream Team Award for Excellence in Water Quality Citizen Science, Texas State University

2019 – US-International Association of Landscape Ecologists Annual Meeting – Student Travel Award (\$700)

2018 – Jefferies Family Scholarship, Texas State University Department of Geography (\$825)

2015 – Calder Scholarship, University of Texas at San Antonio Department of Political Science and Geography (\$300)

Committees

2018-2020 – Texas Graduate Student Research Symposium Planning Committee, Texas State University

Selected Presentations

2019 – US-International Association of Landscape Ecologists Annual Meeting

- Paper presentation – *What is a river? Riparian vegetation as an indicator of stream channel presence and connectivity in arid environments*

2018 – San Marcos Public Library

- Invited presentation – *Riparian forest recovery following the 2015 floods on the Blanco River*

2018 – Southwest Division of the American Association of Geographers Annual Meeting

- Paper presentation – *What is a river? Riparian vegetation as an indicator of stream channel presence and connectivity in arid environments*

2018 – US-International Association of Landscape Ecologists Annual Meeting

- Paper presentation – *Natural succession and riparian forest recovery following a major flood on the Blanco River, Texas*

2018 – Texas Geography Student Research Symposium

- Paper presentation – *Natural succession and riparian forest recovery following a major flood on the Blanco River, Texas*

2017 – Binghamton Geomorphology Symposium

- Poster presentation – *Ecosystem services and damage costs of federal lands: Case study of Gila National Forest, USA*

2017 – Southwest Division of the American Association of Geographers Annual Meeting

- Paper presentation – *Natural succession and riparian forest recovery following a major flood on the Blanco River, Texas*

Professional Memberships

American Association of Geographers (AAG)

International Association for Landscape Ecology

International Biogeography Society (IBS)

(IALE)

Southwestern Association of Naturalists (SWAN)

Service to the Discipline

Peer reviewer – *People and Nature*

Community Service

October 2019 – Texas Hydro-Geo Workshop, co-presenter

- Co-presented two riparian management sessions

2016 -present – Texas Parks and Wildlife Department, volunteer

- Digitize botanical references
- Created a reference for the current and historic range of SGCN plant species in Texas

2016-2020 – San Marcos River Rangers, volunteer

- Certified water quality monitor

2016-2017 – TreeFolks, volunteer

- Collected data for survival study on riparian restoration
- Planted trees for riparian restoration

2016 – San Marcos River Foundation, volunteer

- Counted recreational river users for study on river recreation