
Heather A. Fischer

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Research Interests

Geographic Information Science (GIS), Conservation Biology, Citizen Science, National Park Management, Biodiversity Decision Making, Interdisciplinary uses of Geospatial Technology and Geographic Information Systems, Archaeological Information Systems, and Archaeological Field Methods, Spatial Decision Support Systems

Education

In Progress *Arizona State University, Tempe, AZ*

Ph.D in Geography

Advisor: Elizabeth Wentz

Committee: Leah Gerber

Dissertation Topic: Tourism in Citizen Science.

2013 *Texas Tech University, Lubbock, TX*

M.A. in Anthropology, Minor in GIS

Advisor: Tamra Walter

Committee: Michael Jordan

Masters Thesis: *A lost home in the birthplace of Texas: Unraveling the history of the McAdoo Plantation Home through archaeological, geographical, and historical investigations*

2008 *University of Utah, Salt Lake City, UT*

B.A. in History, Minor in Anthropology

Advisor: Rebecca Horn

Senior Thesis: *Aztec Marriage Customs on the Eve of the Spanish Conquest.*

Awards

2015 *Arizona State University, School of Geographical Sciences and Urban Planning*
M. G. Marcus Memorial Fellowship \$1500

2014 *Arizona State University, School of Geographical Sciences and Urban Planning*
Lounsbury Travel Award. \$350

2013 *Arizona State University, School of Geographical Sciences and Urban Planning*
University Graduate Fellowship. \$1,000

2013 *Texas Tech University, Graduate College*
Texas Tech University Graduate Student Poster Competition.
2nd place in Social Science Category.

2013 *Texas Academy of Science Conference, Kerrville, TX.*
Special Recognition in Archaeology Poster Category.

2007-2008 *University of Utah*
Dean's List.

Professional Experience

- 2015-2016 *Arizona State University*
Research Assistant
RA for Dean Wentz, developing a Spatial Decision Support System for the NOAA funded project "Evaluation of Drought Risks and its Impact on Agricultural Land and Water Use to Support Adaptive Decision-making." Other duties include organizing a workshop to support the NASA funded project Synthesis of LCLUC studies on Urbanization: State of the Art, Gaps in Knowledge, and New Directions for Remote Sensing Science.
- 2014-2015 *Denali Backcountry Lodge, Denali National Park, Kantishna, AK*
Naturalist and Hiking Guide
Provide interpretive hikes and presentation to park visitors.
- 2013 *Presidio San Saba Research Project, Menard, TX*
GIS Specialist
Collect, process, and analyze spatial data for the site.
- 2012-2013 *Texas Tech University Archaeology Lab, Lubbock, TX*
Laboratory Supervisor
Supervise graduate and undergraduate students in the archaeology lab.
- 2012-2013 *Camp Howze Survey Project, Gainsville, TX*
Assistant Field Director and GIS Specialist
Collect, process, and analyze spatial data for the site. Supervise under graduate students.
- 2012-2013 *Well Excavation Project, Munster, TX*
Field Crew
Assist with site excavation.
- 2012-2013 *McAdoo Plantation Excavations, Washington, TX*
Assistant Field and Lab Director, and GIS Specialist
Collect, process, and analyze spatial data for the site. Supervise graduate and undergraduate students
- 2012 *Peaceable Kingdom Survey Project, Washington, TX*
Field Crew
Assist with site survey.
- 2011 *Camp Wood Survey Project, Camp Wood, TX*
Field Crew
Assist with site survey.

- 2011-2012 *Presidio San Saba Reconstruction Project, Menard, TX*
Field and Laboratory Crew
 Assist with site excavation.
- 2010 *La Macora Excavations, Manabi, Ecuador*
Assistant Laboratory Director and Field Crew
 Assist with site excavation. Supervise students in the laboratory.
- 2009-2010 *Utah Natural History Museum, Salt Lake City, UT*
Laboratory Assistant
 Assist with projects in the archaeology lab.

Teaching Experience

- 2013-2015 *Arizona State University, Tempe, AZ*
Teaching Associate
 Lab instructor for the course;
 GPH111: Introduction to Physical Geography.
- 2012-2013 *Texas Tech University, Lubbock, TX*
Teaching Assistant
 Assistant to instructor Lap Siu, assisted in the instruction of the courses;
 ANTH 2302: Introduction to Cultural Anthropology
 ANTH 2306: Anthropology at the Movies
 ANTH 2325: Introduction to Language and Linguistics.
- 2011-2012 *Texas Tech University, Lubbock, TX*
Teaching Assistant
 Assistant to Professor Dr. Brett Houk, assisted in the instruction of the course;
 ANTH 2306: Anthropology at the Movies.
- 2011 *Texas Tech University, Lubbock, TX*
Teaching Assistant
 Assistant to Lauren Whitman, assisted in the instruction (instructed all sections during lead instructor's maternity leave) of the course:
 ANTH 1301: Understanding Multi-Cultural America.

Presentations

- 2015 Conrow, Lindsey, **Fischer, Heather A.**, and Murray, Alan T.
 Siting Bike Service Stations in Phoenix, AZ. Association of American Geographers Annual Conference, Chicago, IL. Poster Presentation.
- 2015 **Fischer, Heather A.** Managing the Future: Developing Spatial Decision Support Systems to Assist National Parks Manage Climate Change. George Wright Society Conference, Oakland, CA. Poster Presentation.
- 2014 **Fischer, Heather A.** The Future of Denali; Climate Change in the Park. Denali Backcountry Lodge, Denali National Park, Kantishna, AK

- 2014 **Fischer, Heather A.** How to Find Yourself; Maps and Orienteering. Denali Backcountry Lodge, Denali National Park, Kantishna, AK
- 2014 **Fischer, Heather A.** The Advantages and Disadvantages of Using 3-D Modeling to Show Artifact Distribution at 41WT69; The McAdoo Plantation Home. Association of American Geographers Annual Conference, Tampa, FL
Poster Presentation.
- 2013 **Fischer, Heather A.** If a Picture is Worth a 1,000 words, How Much are GIS Coordinates Worth? The Use of Visual History, Oral History, and GIS Data to Define the McAdoo Plantation Home. Lambda Alpha Symposium, Texas Tech University, Lubbock, TX
- 2013 **Fischer, Heather A.;** Kelly, Krystle; Hacker David; and Elizabeth Martinez. The McAdoo Plantation Excavations; A Lost Home in the Birthplace of Texas. Texas Academy of Science Conference, Kerrville, TX
Poster Presentation
- 2013 **Fischer, Heather A.;** Kelly, Krystle; Hacker David; and Elizabeth Martinez. The McAdoo Plantation Excavations; A Lost Home in the Birthplace of Texas. Poster Presentation. *Texas Tech University Graduate Student Poster Competition, Lubbock, TX*
- 2013 **Fischer, Heather A.** If a Picture is Worth a 1,000 words, How Much are GIS Coordinates Worth? The Use of Visual History, Oral History, and GIS Data to Define the McAdoo Plantation Home. Society of Historical Archaeology Annual Conference, Leicester, United Kingdom
- 2012 **Fischer, Heather A.** The McAdoo Plantation Excavations; A Lost Home in the Birthplace of Texas. Lambda Alpha Symposium, Texas Tech University, Lubbock, TX

Publications

- In Review **Fischer, Heather A.** and Walter, Tamra
If A Picture is worth a Thousand Words, How much is Spatial Data Worth; The use of GIS, historical data, and Archaeological Data at site 41WT69. Society for Historical Archaeology. Technical Briefs

Service

- 2015-2016 *Arizona State University School of Geographical Science and Urban Planning.*
Social Chair
- 2014-2015 *Arizona State University GPSA*
Grant Reviewer
- 2011-2013 *Texas Tech University Anthropology Society*
President

2012-2013 *Texas Tech University Graduate Student Advisory Council*
Parliamentarian

Professional Development

2014 Preparing Future Faculty, Arizona State University

Professional Memberships

George Wright Society (since 2014)
Association of American Geographers (since 2013)
Society of Historical Archaeology (since 2010)
Society of American Archaeology (since 2009)
American Institute of Archaeology (since 2011)
Texas Academy of Science (since 2012)
Texas Archaeology Society (since 2011)
Lambda Alpha, Delta Chapter of Texas (since 2012).