

ANDREW W. WEILAND

12822 Peach Ridge Rd.
Athens, Ohio 45701
740-591-7517

SKILLS

Strong oral and written communication skills

- Teaching, presentations, publications, National Park Service public interpretation, and outreach

Cultural resource management compliance

- Familiarity with Section 106, ARPA permitting, NAGPRA compliance, SHPO Archaeology Guidelines, National Park Service archaeological methodology, survey, excavation, and research design

Collaborative teamwork

- Research design innovation and execution, outreach efforts, hiring decisions, mentoring, training, and interdisciplinary research

Organizational skills

- Database management, proficiency in Microsoft Office Suite (Excel, Word, PowerPoint, Access), statistical programs (R, SAS, SPSS), ArcGIS

EDUCATION

The Ohio State University, Department of Anthropology

PhD. Candidate (March 2014-present)

Dissertation (in progress): "Transitions in Landscape and Cuisine: Paleoethnobotanical Evidence of the Maize Transition from the Late Woodland to Early Fort Ancient cultures"

The Ohio State University, Department of Anthropology

Master of Arts (May 2013)

Thesis: "Marshelder (*Iva annua* L.) Seed Morphology and Patterns of Domestication in Eastern North America"

Ohio University, Department of Sociology and Anthropology

Bachelor of Arts (cum laud) December 2004)

Minor: Spanish/Ohio University International Exchange Program in Ecuador

EMPLOYMENT

Independent Consultant

Archaeobotanical Analyst (June 2013-present) 20 hrs/wk

- Processed, sorted, and analyzed archaeological sediments for National Park Service and private cultural resource management firms
- Wrote archaeobotanical chapters in technical reports

Ohio State University, Department of Anthropology

Instructor of Record, Graduate Teaching Associate (January 2012-August 2017) 20 hrs/wk

- Developed curriculum, lectures, activities, labs, online content, lesson plans, and syllabi
- Taught introductory classes with up to 70 students and smaller advanced seminar classes with ~ 30 students in lecture, discussion, laboratory, and online settings
- Wrote, delivered and graded original exams, discussion topics, quizzes, and other assessments

Ancient Socio-Ecological Systems in Oman (ASOM) Project, Ohio State University Department of Anthropology

Graduate Research Assistant to Dr. Joy McCorrison (August-December 2016) 15 hrs/wk

- Prepared an international team of researchers for fieldwork in Oman
- Organized travel arrangements for 12 project team members
- Purchased equipment (\$2000)
- Set up project website
- Prepared geospatial equipment and software

Ohio State University Department of Anthropology

Hiring Committee Member Graduate Student Representative (January 2015-May 2015) 15 hrs/wk

- Sorted and prioritized over 40 applications
- Escorted three potential faculty for visits and job talks
- Implemented survey, and organized graduate student feedback
- Engaged with faculty in hiring process

Hopewell Culture National Historic Park

Archaeological Technician Pathways Internship (June 2014-August 2016) 40 hrs/wk

- Trained three Archaeological Aides
- Designed research methods with team members
- Implemented research methods and excavation in team setting
- Interpreted park resources to the public
- Designed archaeobotanical sampling and processing protocol and analyzed samples
- Wrote archaeobotanical reports for National Park Service

Hocking College Archaeological Laboratory

Field Supervisor (June-August 2013) 40 hrs/wk

- Supervised small team during Phase I cultural resource management survey using shovel tests, visual survey, GPS and photographic documentation of historical sites

Journal of Ethnobiology

Editorial Assistant (July 2013-December 2013) 20 hrs/wk

- Organized and responded to incoming emails to the journal
- Sought peer-reviewers

Gray and Pape, LLC.

Archaeological Technician (March 2009-March 2011) 40+ hrs/wk

- Conducted Phase I, II, and III archaeological survey and excavation according to Ohio Archaeology Guidelines

PUBLICATIONS AND PRESENTATIONS

- 2018 **Weiland, Andrew**, Lucretia Kelly, Kirby Trovillo, and Kristie Martin
What They Ate: Macrobotanical and Faunal Remains at the Guard Site (Podium Presentation)
Midwestern Archaeological Conference, South Bend, Indiana.
- 2018 Cross, Benjamin and **Andrew Weiland**
The Guard Setting at the Mouth of the Great Miami River: A Common Mississippian Niche
(Podium Presentation) *Midwestern Archaeological Conference*, South Bend, Indiana.
- 2017 **Weiland, Andrew** and Kristen J. Gremillion
Patterns of Domestication: Seed Morphology of *Iva annua*. *Ethnobiology Letters*.
- 2017 Buffington, Abigail, **Andrew Weiland**, Drew Arbogast, and Julia Arnold
What is Your "Phytolith Load"? An Examination of the Potential for Cross-Contamination
during Phytolith Extraction. *Ethnobiology Letters*.
- 2017 Arbogast, Drew, Julia Arnold, Abigail Buffington, and **Andrew Weiland**
How Stable Are Phytoliths? An Examination of Cross-Contamination during Phytolith
Extraction (Poster) *Ethnobiology Conference*, Montreal, Canada.
- 2017 **Weiland, Andrew**, Laura Crawford, and Bret Ruby
Fires at axis mundi: macro- and microbotanical investigations of a Hopewell woodhenge
(Podium Presentation) *Society for American Archaeology Conference*, Vancouver, Canada.
- 2017 **Weiland, Andrew**
Ancient Oils: The Role of Marshelder as a Scarce Source of Vegetal Oil in North American
Prehistory. *Food for Thought Symposium*, Ohio University, Athens.
- 2016 **Weiland, Andrew W.**, Aaron Comstock, M. Chase Gordon, and Robert Cook Examining
Late Woodland and Early Fort Ancient plant use: preliminary archaeobotanical analysis of
the Turpin site (33Ha19) (Poster) *Southeastern Archaeology Conference* Athens, GA.

2016 **Weiland, Andrew**

Synthesizing human behavioral ecology and niche construction theory into research design: an Ohio Hopewell case study in patch residence time and the expansion of the riverine niche (Podium Presentation) *Ethnobiology Conference* Tucson, AZ.

2015 **Weiland, Andrew**

Practical and Social Storage among the Ohio Hopewell: Archaeobotanical and Ethnohistorical Evidence for Delayed Return of Pre-Maize Crops (Podium Paper) *Society for American Archaeology Conference*, San Francisco, CA.

2014 **Weiland, Andrew**

Paleoecology of Vacant Centers: Preliminary Paleoethnobotany at the Great Circle of Hopewell Mound Group (Poster) *Midwestern Archaeological Conference*, Champaign, IL.

2013 **Weiland, Andrew**

Marshelder (*Iva annua* L.) Seed Morphology and Patterns of Domestication in Eastern North America (Poster) *Midwestern Archaeological Conference*, Columbus, Ohio.

TECHNICAL REPORTS

2018 **Weiland, Andrew**

2017 Season Archaeobotanical Report for Phase III Investigations of Site 33BR154 in Pleasant Township, Brown County, Ohio. ASC LLC. Principal Investigator, Kevin Schwarz.

2018 **Weiland, Andrew**

Archaeobotanical Report. Chapter in Investigations of the M 20 Bridge Replacement Project, ASC LLC. Principal Investigator, Kevin Schwarz.

2018 **Weiland, Andrew**

Pickawillany Archaeobotany. Section in Pickawillany Project, ASC LLC. Principal Investigator, Dawn Walter Gagliano.

2017 **Weiland, Andrew**

Archaeobotanical Report Appendix in: Parsell, Veronica, James Greene, Kaye Grob, and Kathleen Settle Phase III Archaeological Data Recovery at 12-La-0091, Singleton Stone Quarry Site, in Eagle Creek Township, Lake County, Indiana. Prepared by Cardno, Inc. Submitted to Rieth-Riley, Contract No. 1402117A1. Copies available from Cardno, Inc., Indianapolis.

2016 **Weiland, Andrew**

Archaeobotanical Report: Jacob Ripley Site 46DO95.

2015 **Weiland, Andrew** and Laura J. Crawford

Archaeobotanical Report Appendix in: Hopewell Culture National Historic Park Hidden Hopewell Landscapes Project.

2014 **Weiland, Andrew**

Archaeobotanical Report Appendix in:
Hopewell Culture National Historic Park Great Circle Project.

FIELDWORK

46 Months Fieldwork/Preparation/Report Writing/ Analysis

May-June 2017 *Graduate Volunteer* Ohio State University Department of Anthropology Field School. Fort Ancient Village Origins Project, The Guard Site.

August-December 2016 *Graduate Research Assistant* preparing to send crew into the field in Oman under Dr. Joy McCorrison Ancient Socio-Ecological Systems in Oman (ASOM) Project, Ohio State University Department of Anthropology

August-October 2016 *Archaeobotanical Analysis* of Great Circle Project

May-July 2016 *Student Trainee* Hidden Hopewell Landscapes Project at Hopewell Culture National Historic Park, Principal Investigator, Dr. Bret Ruby

August-October 2015 *Archaeobotanical Analysis* of Great Circle Project

May-July 2015 *Student Trainee* Hidden Hopewell Landscapes Project at Hopewell Culture National Historic Park, Principal Investigator, Dr. Bret Ruby

August-October 2014 *Archaeobotanical Analysis* of Great Circle Project

June-August 2014 *Student Trainee* Great Circle Project at Hopewell Culture National Historic Park, Principal Investigator, Dr. Bret Ruby

March 2014 (ongoing) *Archaeobotanical analysis* of Overly Site from Ross County Ohio, Principal Investigator, Prof. William Dancey, Columbus, Ohio

June-December 2013 Independent Contractor, *botanical flotation* for Hopewell Culture National Historic Park, Chillicothe, Ohio

July-August 2013 *Field supervisor* (crew chief) for Hocking College Archaeological Laboratory, in Strouds Run State Park, Athens County, Ohio

September 2011-December 2012 *Archaeobotanical analysis* of Courthouse Rock, Kentucky, independent study with Prof. Kristen J. Gremillion

February-April 2011 *Phase III* excavation for Principle Investigator, Mathew Purtill, in Willow Island, West Virginia

November 2010 *Phase I survey* for Principle Investigator, Chris Baltz, in Bloomington, Indiana

October 2010 *Phase I survey* for Principle Investigator, John Picklesimer, in Huntingburg, Indiana

June 2010 *Phase I survey* for Principle Investigator, Christina Kelly, in Willow Island, West Virginia

April 2010 *Archaeological Internship* Siddi, Sardinia with Emily Holt, PhD. Michigan University.

December 2009 *Phase I survey* with Principle Investigator, John Picklesimer, in Southern Illinois

October-November 2009 *Phase III excavation* with Principle Investigator, Christina Kelly, in
Middletown, Ohio

May 2009 *Phase II excavation* with Principle Investigator, Christina Kelly, in Willow Island, West
Virginia

March 2009 *Phase I survey* with Principle Investigator, John Picklesimer, in Southern Illinois

SERVICE

Ohio State University Department of Anthropology Field School, The Guard Site

Graduate Volunteer (May-June 2017) 40 hrs/wk

- Trained undergraduates in archaeological field methods
- Designed and implemented archaeobotanical sampling

Graduate Students of Anthropology Association, Ohio State University

Graduate Representative to the Graduate Studies Committee (elected position June 2015-May 2017) 10 hrs/wk

- Facilitated discussion as liaison between faculty and graduate students to streamline graduate curriculum and requirements
- Engaged with faculty committee members to ensure fair selection of funding criteria for graduate students

“A Story of Us” Podcast Series Ohio State University Department of Anthropology

Curriculum Team Member (September 2015-December 2015) 5 hrs/wk

- Collaborated with a team of other graduate students to outline content and write scripts for original podcast

Ohio State University Department of Anthropology

Mentor for undergraduate volunteers in phytolith laboratory (August 2016-May 2017) 21 hrs/wk

- Trained students in how to extract phytoliths from sediments, design a contamination study, and produce a poster at an international conference

Ohio State University Department of Anthropology

Mentor for Undergraduates of Anthropology Mentorship Program (August 2012-present)

- Mentored undergraduates on selecting classes, field schools, and graduate schools

Graduate Students of Anthropology Association, Ohio State University

Vice President for (elected position June 2014- May 2015) 10 hrs/wk

- Planned events for student organization
- Organized GSAA Fall Speaker Series with Carolyn Ehardt (University of Texas at San Antonio)

Graduate Students of Anthropology Association, Ohio State University

Treasurer (June 2012- May 2014) 10 hrs/wk

- Oversaw operating and programming costs for student organization
- Organized GSAA Spring Speaker Series with Sharron DeWitte (University of South

Carolina)

Holder-Wright Archaeological Field School, Ohio State University Department of Anthropology

Graduate Volunteer (May 2014) 40 hrs/wk

- Demonstrated archaeological excavation and archaeobotanical techniques

Columbus College of Art and Design

Guest Lecturer (April 2014)

- Art students learned about the study of the origins of agriculture

St. Charles High School Activity Week

Guest Lecturer (April 2013)

- Collaborated with other graduate students to plan and implement lesson plans for a sophomore high school classroom on the subject of forensics

TECHNICAL SKILLS

SPSS, SAS, and R univariate and multivariate statistical analysis

ArcGIS maps and queries

Nikon NIS Elements microscope photography software

Leica Geosystems instruments

Word mail merge, custom tables and charts

Excel pivot tables, custom formulas and charts

Powerpoint and Prezi custom slides, animation, audio

Phytolith extraction and analysis

Macrobotanical analysis and wood identification

PROFESSIONAL ORGANIZATIONS

Society of American Archaeology
Midwestern Archaeological Conference
Society of Ethnobiology
Southeastern Archaeological Conference

GRANTS AND AWARDS

- 2016 Larsen Award (\$2000) co-awarded with Abbigail Buffington to support research project: "Laboratory Extraction of Soil Phytoliths: Setup, Education, and Multiregional Analyses"
- 2016 Daniel Hughes Memorial Fund (\$500) to support travel to 2016 Ethnobiology Annual Conference: (Podium Paper) "Synthesizing human behavioral ecology and niche construction theory into research design: an Ohio Hopewell case study in patch residence time and the expansion of the riverine niche", Tuscon, AZ
- 2015 The Elizabeth A. Salt Anthropology Travel Award (\$500) to support research project entitled: "Land Management among the Ohio Hopewell: Training and Pilot Study in Methods of Phytolith Extraction and Analysis from Sediment Cores near Hopeton Earthwork, Chillicothe, Ohio, USA"

REFERENCES

Kristen J. Gremillion
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