

Adam M. Burke

adamburke@tamu.edu

Education

- 2015- Present: **PhD (ABD)**, Texas A&M University, Department of Anthropology,
PhD Program in Anthropology
Dissertation Title: *Lithic Raw-Material Availability and Use in Late Pleistocene/Early Holocene Florida: A Geochemical and Behavioral Analysis of Chert Procurement Patterns in a Lithic Landscape*
Graduation: August 2025
- 2014: **MA**, Indiana University of Pennsylvania, Department of Anthropology,
MA Program in Applied Archaeology
Master's Thesis: *The Wayne's Sink Site (8JE1508/8TA280): A PXRf Analysis of Lithic Materials from a Submerged Quarry in the Aucilla River, Florida*
- 2010: **BA**, Wilkes University, History Department

Publications

- Burke, Adam M.** and Morgan F. Smith
2023 Targeting Coastal Plains Chert in the Wacissa Quarry Cluster, Northwest Florida, USA: A LIDAR-Based Geomorphic Model for Locating Terrestrial Chert Quarries. In *Sourcing Archaeological Lithic Assemblages: New Perspectives and Integrated Approaches*, edited by Charles A. Speer, Ryan M. Parish, and Gustavo Barrientos, pp. 37-51. Springer, New York.
- Halligan, Jessi J., David K. Thulman, **Adam Burke**, and Morgan Smith
2023 The Early Holocene archaeology of Florida: geospatial approaches to understanding Bolen mobility. *Southeastern Archaeology* 42(1)31-45.
- Parish, Ryan M., and **Adam M. Burke**
2022 Paleoindian Lithic Resources and Mobility: A Model for the Southeast. In *The American Southeast at the End of the Last Ice Age*, edited by D. Shane Miller, Jesse Tune, and Ashley Smallwood, pp. 195-213. University of Alabama Press, Tuscaloosa.
- Smith, Morgan, Shawn Joy, Jessi Halligan, Michael Faught, Ryan Duggins, and **Adam M. Burke**
2022 "Liquid Landscapes" - A New Wave of Submerged Prehistoric Archaeology and its Contributions to the Southeastern Paleoindian and Early Archaic Record. *The American Southeast at the End of the Last Ice Age*, edited by D. Shane Miller, Jesse Tune, and Ashley Smallwood, pp. 213-229. University of Alabama Press, Tuscaloosa.
- Lydick, Christopher M., and **Adam Burke**
2020 *Suwannee and Withlacoochee River Lithic Raw Material Sampling Survey: Columbia, Hamilton, Madison, and Suwannee County FL*. Report of Investigations and Collections, Osceola National Forest Accessioned Report #OSCF00382.

Austin, Robert J., Sam B. Upchurch, James S. Dunbar, Richard W. Estabrook, Jon C. Endonino, and **Adam M. Burke**

2018 The Quarry Cluster Approach to Chert Provenance: A Review of the Method with Examples from Early Florida Sites. In *Early Human Life on the Southeastern Coastal Plain*, edited by Christopher Moore and Albert C. Goodyear, pp. 108-123. University of Florida Press, Gainesville.

Teaching Experience: Texas A&M University

Instructor of Record: ANTH 205-505 *Peoples and Cultures of the World*: 59 Students; Spring 2022

Instructor of Record: ANTH 401-900 *Ice Age Humans in North America*; 15 Students; Fall 2021

Instructor of Record: ANTH 489-500 *Economic Archaeology*: 16 Students; Spring 2020

Instructor of Record: ANTH 205-513 *Peoples and Cultures of the World*: 67 Students; Fall 2019

Instructor of Record: ANTH 201-500 *Introduction to Anthropology*: 97 Students; Spring 2019

Instructor of Record: ANTH 415-900 *Anthropological Writing*: 19 students; Fall 2018

Instructor of Record: ANTH 205-508 *Peoples and Cultures of the World*: 30 Students; Spring 2018

Teaching Assistant: ANTH 401-900 *Ice Age Humans in North America*: 16 Students; Fall 2017

(Instructor of Record Dr. Michael R. Waters)

Instructor of Record: ANTH 205-506 *Peoples and Cultures of the World*: 26 Students; Spring 2017

Instructor of Record: ANTH 205-512 *Peoples and Cultures of the World*: 34 Students; Fall 2016

Teaching Assistant: ANTH 201-501 and ANTH 201-502 *Introduction to Anthropology*; Spring 2016

(Instructor of Record Dr. Michael S. Alvard)

Teaching Assistant: ANTH 205-501 *Peoples and Cultures of the World*; Fall 2015

(Instructor of Record Dr. Alston V. Thoms)

External Grants and All Fellowships

Total Awards: \$31,500

Lewis and Clark Field Scholar, \$5,000, 2020-2021: Lewis and Clark Fund for Exploration and Field Research, American Philosophical Society

Awarded in support of *Paddling for Provenance: A Diachronic Geochemical and Behavioral Analysis of Toolstone Procurement and Use in Florida's Riverine Lithic Landscapes*

Cushman Foundation for Foraminiferal Research, Inc., \$1,000, 2020-2021: William V. Sliter Research Award

Awarded in support of *Micropaleontology and Geochemistry of Oligocene-Aged Suwannee Chert from Florida, USA: Using Miliolida Foraminifera and ICP-MS to Establish Discrete Provenance*

Fellow, \$1500, 2020-2021: Don Lavoie Fellowship Applied Sequence, Mercatus Center at George Mason University

Fellow, \$8,000, 2021-2022; 2020-2021: Humane Studies Fellowship, Institute for Humane Studies at George Mason University: Awarded in support of development of theory in economic archaeology

Graduate Teaching Fellow, \$1000 (Bursary), 2019-2020: Department of Anthropology Graduate Student Teaching Fellowship

Awarded for development of "ANTH 489-500 Economic Archaeology" (Taught Spring 2020)

Fellow, \$15,000, 2021-2022; 2019-2020; 2018-2019: Adam Smith Fellowship, Mercatus Center at George Mason University

Internal Grants from Texas A&M (2015-2025)

Total Awards: \$35,529

Roy J. Shlemon Student Field Geoarchaeology Fund: \$11,100

Dissertation Pilot and Enhancement Grants: \$8,420

Professional Development Grants: \$6,099

Conference Travel Grants: \$6,910

North Star Archaeological Fund Research Support: \$3,000

Research Interests

Economic approaches to anthropology and archaeology

Hunter-gatherer lithic technological organization in the eastern North America

The Pleistocene peopling of the Americas

Applied microscopy and micropaleontology in geoarchaeology

Using INAA, ICP-MS, and petrography to analyze and identify the provenance of Florida cherts, to interpret stone tool taphonomy, and study the chemical weathering of cherts

Professional Presentations

Session Co-Chair

Burke, Adam M. and Nathaniel R. Kitchell

2021 *Case Studies in Toolstone Provenance: Reliable Ascription from the Ground Up*. Session hosted at 86th annual meeting of the Society for American Archaeology (Online).

Invited Presentations

Burke, Adam M.

2021 *Refining Florida's Chert Quarry Clusters through Renewed Survey and Geochemical Approaches*. Invited guest lecture presented at "AAGS Presents: Anthropology After Dark" (College Station, TX).

Burke, Adam M.

2021 *"The Best of What's Around": Modeling Early Holocene Chert Exploitation in Florida at Local and Regional Scales*. Invited paper presented at the 77th annual Southeastern Archaeological Conference (Durham, NC).

Burke, Adam M.

2021 *The More the Merrier: Using a Suite of Analytical Techniques to Arrive at Reliable Chert Ascription*. Invited paper presented at the 86th annual meeting of the Society for American Archaeology (Online).

Burke, Adam M.

2019 *Refining Florida's Chert Quarry Clusters: New Methods, New Research, and New Results through Geochemical Approaches to Chert Provenance*. Invited paper presented at the First Floridians Conference Series: Old Stories and New Discoveries (Monticello, FL).

Burke, Adam M.

2018 *Reevaluating Florida's Chert Quarry Clusters: An Update on Sampling Strategies, Methodological Approaches, and New Results from Northwest Florida*. Invited paper presented at the 83rd annual meeting of the Society for American Archaeology (Washington, DC).

Burke, Adam M.

2017 *From Provenance to Provenience: Geochemical Sourcing of Coastal Plains Cherts in the Southeastern United States*. Invited paper presented at the International Symposium on Knappable Materials (Buenos Aires, Argentina).

Burke, Adam M.

2016 *Moving Towards Discrete Provenience: Preliminary Results of Neutron Activation Analysis (NAA) on Coastal Plains Cherts from Florida*. Invited paper presented at the 73rd annual meeting of the Southeastern Archaeological Conference (Athens, GA).

Burke, Adam M.

2015 *Submerged Prehistoric Archaeology in Northwest Florida*. Guest lecture presented at Grave Creek Mound Archaeological Complex, March 26, 2015 (Moundsville, WV).

Burke, Adam M.

2014 *Mega fauna and Material Culture: Submerged Prehistoric Archaeology in the Aucilla River, Northwest Florida*. Invited guest lecture presented at the Anthracite Heritage Museum, March 23, 2014 (Scranton, PA).

Presentations and Discussions

Burke, Adam M.

2022 *You Don't Need a Weatherman to Know Which Way the Wind Blows": A Framework for Understanding the Evolution of Cooperation Among Hunter-Gatherers in the Remote Past*. Paper presented at the 12th Vaughn M. Bryant Memorial Anthropology Conference (College Station, TX).

Burke, Adam M.

2021 *Hunter-Gatherer Archaeology Through the Lens of Market Processes*. Paper presented at the 11th Vaughn M. Bryant Memorial Anthropology Conference (Online).

Burke, Adam M.

2019 *Targeting Coastal Plains Chert in the Wacissa Quarry Cluster, Northwest Florida, USA: A LIDAR-Based Geomorphic Model for Locating Terrestrial Chert Quarries*. Paper presented at the 84th annual meeting of the Society for American Archaeology (Albuquerque, NM).

Burke, Adam M.

2019 *Wacissa Chert Quarry Cluster, Northwest Florida: Evaluating a Quarried Landscape*. Discussion presented in the Prehistoric Quarries and Early Mines Interest Group Lightning Round Forum: "Managing Quarried Landscapes- Developing Preservation Priorities and Best Practices."

Burke, Adam M.

2014 *Dark Waters and Darker Artifacts: Using PXRF to Analyze Chert Provenience and Patina Formation in the Aucilla River, Northwest Florida*. Paper presented at the 79th Annual meeting of the Society for American Archaeology (Austin, TX).

Poster Presentations

Burke, Adam M., and Teagan McIntosh

2024 *Assessing Suwannee Mobility in Florida through Chert Provenience Ascriptions*. Poster presented at the 13th Vaughn M. Bryant Memorial Anthropology Conference (College Station, TX).

Teagan McIntosh* and **Adam Burke**

2023 *An Anarchist Approach to Archaeology*. Poster presented at the 12th Vaughn M. Bryant Memorial Anthropology Conference (College Station, TX).

Maria A. Venegas* and **Adam M. Burke**

2017 *Neutron Activation Analysis on Cherts from Florida*. Poster presented at the Eighth Annual Anthropology Department Conference at Texas A&M University (College Station, TX).

Burke, Adam M.

2013 *Cultural Modification on Bone from the Johnston Site*. Poster Presented at the Middle Atlantic Archaeological Conference (Virginia Beach, VA).

*denotes undergraduate student author

Departmental Service

Social Coordinator (Officer in Association of Anthropology Graduate Students (AAGS)), Fall 2019-Spring 2021: Department of Anthropology at Texas A&M University

Elected position within AAGS, tasked with planning social and anthropology-related events

Lead Coordinator, Fall 2019-Spring 2020; **Co-coordinator**, Fall 2017-Spring 2019:

Graduate/Undergraduate Mentorship Program (GUMP), Department of Anthropology at Texas A&M University

Elected position within AAGS

Paired graduate and undergraduate students from diverse backgrounds into mentoring partnerships

Hosted information sessions and orientations while acting as GUMP liaison between interested students, Department of Anthropology officials, and other AAGS officers

Select Archaeological Field Experience

2024

Center for Field Sciences' 2024 Lake Erie Underwater Cultural Resource Management Field School (Lake Erie; Pennsylvania and New York)

Employed as **graduate assistant and archaeological diver** responsible for assisting with remote-sensing data collection, processing, and interpretation, providing student instruction and dive training, and teaching archaeological and CRM theory and field methods in both terrestrial and underwater contexts

2022

Texas A&M University Geoarchaeological Survey of the Aucilla River (Aucilla River, Northwest Florida)

Employed as **exploratory and archaeological diver**

2021

Eastern Great Basin Raw-Material Survey (Eastern Nevada and Western Utah)

Employed as **field assistant**

Alapaha River, Santa Fe River, Suwannee River, and Withlacoochee River Raw-Material Surveys (Southern Georgia and Northern Florida)

Principal Investigator for dissertation fieldwork

2019

Brooksville Quarry Cluster Raw-Material Survey (Citrus Wildlife Management Area, South Florida)
Principal Investigator for dissertation fieldwork

Clint's Scallop Hole Underwater Archaeological Investigation (Gulf of Mexico, Northwest Florida)
Employed as **exploratory and archaeological diver**

Silver River Underwater Archaeological Investigation (Marion County, Central Florida)
Employed as **exploratory and archaeological diver**

White Springs and Upper Suwannee Quarry Clusters Raw-Material Survey (Suwannee and Withlacoochee Rivers, North Florida)
Principal Investigator for dissertation fieldwork

Lewis McQuinn Underwater Archaeological Investigation (Dixie County, Central Florida)
Employed as **exploratory and archaeological diver**

Wacissa Quarry Cluster Raw-Material Survey (Jefferson and Taylor Counties, Northwest Florida)
Principal Investigator for dissertation fieldwork

2018

Hall's Cave Archaeological Site (Kerrville, Texas)
Employed as **archaeologist**

Page-Ladson Underwater Archaeological Investigation (Aucilla River, Northwest Florida)
Employed as **dive safety officer and exploratory and archaeological diver**

Aucilla Volcano Raw-Material Survey (Jefferson County, Northwest Florida)
Principal Investigator for dissertation fieldwork

2017

Hall's Cave Archaeological Site (Kerrville, Texas)
Employed as **archaeologist**

Guest Mammoth Underwater Archaeological Investigation (Silver River, Central Florida)
Employed as **exploratory and archaeological diver**

Ryan-Harley Geomorphological Investigation (Wacissa River, Northwest Florida)
Volunteered with geoarchaeological fieldwork

2016

Interior Alaska Lithic Raw-Material Survey (Denali National Park, Alaska)
Employed as **field assistant**

McDonald Creek Archaeological Site (Tanana Valley, Alaska)
Employed as **archaeologist**

Deborah L. Friedkin Archaeological Site (Bell County, Texas)
Employed as **archaeologist**

2015

Page-Ladson and Sloth Hole Underwater Archaeological Investigations (Aucilla River, Northwest Florida)
Employed as **exploratory and archaeological diver**

Ryan-Harley Underwater Archaeological Investigation (Wacissa River, Northwest Florida)
Employed as **exploratory and archaeological diver**

Extensive **Cultural Resource Management** experience throughout the Eastern United States (2013-2015)

2014

Western Great Basin Perennial Lake Survey (Malheur National Wildlife Refuge, Oregon; Eagle Lake, California; Walker Lake, Nevada)
Employed as **consultant and field/underwater archaeologist**

2013

Idaho National Laboratory Geoarchaeological Testing Project (Eastern Snake River Plain, Idaho)
Volunteered during block excavation at the Pioneer Site

Page-Ladson Underwater Archaeological Investigation (Aucilla River, Northwest Florida)
Employed as **exploratory and archaeological diver**

Page-Ladson Terrestrial Testing (Aucilla River, Northwest Florida)
Volunteered with geoarchaeological fieldwork

Research Assistant, Indiana University of Pennsylvania
Employed as **laboratory manager** responsible for processing of flotations samples (2012-2013)

2012

Page-Ladson Underwater Archaeological Investigation (Aucilla River, Northwest Florida)
Employed as **exploratory and archaeological diver**

Indiana University of Pennsylvania's Graduate Level Archaeological Field School (Johnston Site (36IN2), Indiana County, Pennsylvania)

Extracurricular Activities

Member of Paleoindian Research and Interest Group (PRIG), an interuniversity peer-discussion group focused on modern literature pertaining to the peopling of the Americas (2018-present)

Officer in Texas A&M University Department of Anthropology Association of Anthropology Graduate Students (AAGS)

Member of Indiana University of Pennsylvania's Ethics Bowl team (2012-2013)

Participated in Society for American Archaeology's Ethics Bowl, 2012

Honors

Recipient of TAMU Department of Anthropology's Graduate Student Teaching Fellowship (2019)

Recipient of IUP's Graduate Student Outstanding Research Award (2015)

Member of Phi Alpha Theta History Honor Society (2010)

Head Delegate of Wilkes University's delegation to the National Model United Nations (2010)

Membership in Professional Societies

Society for American Archaeology (SAA)

Maritime Archaeological Survey Team (MAST)

Specialized Training

Familiar with Trimble handheld GPS operation

CPR/First Aid certified

American Academy of Underwater Sciences (AAUS) Certified Scientific Diver

ArcGIS/ArcGIS Pro Intermediate End User

Portable X-Ray Florescence Spectrometry (PXRF) training and experience

Instrumental Neutron Activation Analysis (INAA) training and experience

Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS) and solution ICP-MS training and experience

Flotation training and experience

Rescue Diver certified

DAN Insured

Experience with blackwater diving

Proficient with Microsoft Word, Access, and Excel

Proficient with GAUSS MURRAP software

Selected References

Dr. Michael R. Waters

University Distinguished Professor of Anthropology and Regents Professor; Director, Center for the Study of the First Americans at Texas A&M University

Relationship: Graduate Advisor

Email: mwaters@tamu.edu

Dr. Bryan Tomlin

Laboratory Manager, Elemental Analysis Laboratory, Center for Chemical Characterization and Analysis at Texas A&M University

Relationship: Graduate Committee Member

Email: bryan.tomlin@chem.tamu.edu

Dr. Jessi J. Halligan

Associate Professor of Anthropology; Assistant Director, Center for the Study of the First Americans at Texas A&M University

Relationship: Graduate Committee Member

Email: jessihalligan@tamu.edu

Dr. Morgan F. Smith
Associate Professor, University of Tennessee, Chattanooga
Relationship: Colleague and Coauthor
Email: Morgan-F-Smith@utc.edu