

Morgan F. Smith

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Research Interests

- Pre-Clovis and Paleoindian Archaeology
- Organic Tool Technology
- Peopling of the Americas migration theory
- Remote Sensing
- Florida Archaeology, particularly lithic typologies and settlement patterning during the Paleoindian period
- Submerged Landscapes
- Underwater Archaeological Methods
- Public Archaeology
- Cave Archaeology
- Experimental Archaeology
- Geoarchaeology

Education

2013-Present- Texas A&M University College Station, TX
Ph.D. in progress
Emphasis- Geoarchaeology

2010-2013- University of West Florida Pensacola, FL
B.A. in Anthropology: Received – May, 2013
Emphasis- Archaeology
Minor- Maritime Studies
Overall GPA- 3.89 (Graduated Magna Cum Laude)

Relevant Coursework:

Principles of Archaeology	Laboratory Methods in Archaeology
People and Cultures of the World	History of Anthropology
Shipwreck Archaeology	Method and Theory in Archaeology
North American Archaeology	Biological Anthropology
Prehistory of the Southeast U.S.	Geoarchaeology
Archaeological Data Analysis	Preservation in Historical Archaeology
Human Osteology	Research Design (Statistical Computing)
Physical Geology	Lithic Analysis
Coastal Morphology and Processes	Pleistocene Peopling of NW Asia/Alaska
Conservation of Archaeological Material	Geomorphology

Research

Ivory Tool Reproduction Experiment- I am working with Dr. Michael Waters to obtain several samples of ivory in an attempt to replicate Paleoindian ivory tools and subject them to controlled use experiments.

Comparing Lithic Morphometrics between Percussion Hammer Types- I am working with Dr. David Thulman from George Washington University and Crystal Dozier (TAMU) on an experiment analyzing variability resulting from percussion to chert by three percussors; a manatee rib, stone, and antler. Results will be published soon.

Projectile Point Breakage and Hafting Experiment- I am currently working with a professor from George Washington University on an experiment analyzing breakage patterns of porcelain projectile points to determine if it could be an acceptable medium for recreating lithic artifacts. Experimentation is underway.

Professional Experience

**Southeast Archaeological Center (SEAC)
National Parks Service
Tallahassee, FL**

Employee 2011-Present

Labwork-

My experience at SEAC includes analyzing, cataloging, sorting, and cleaning artifacts. I also have experience in conservation techniques. I have worked part-time at SEAC for 3 years.

Selected Projects

August 2013- Dadeville, Alabama
P.I. John Cornelison

Horseshoe Bend National Military Park

For two weeks, a remote sensing survey project of the main battlefield was undertaken to locate a Native American palisade. A variety of instruments were used in the survey, including a soil resistivity meter (which I operated), a GPR unit, a magnetometer, and a conductivity meter. Data was processed through Geoplot 3.0 each night, and put into Surfer for viewing. Over 25 20x20 meter grids were surveyed.

July 2013- Lake City, Florida
P.I. Christopher Lydick

Osceola National Forest

For two weeks, a Phase 1 compliance project was undertaken in Osceola National Forest ahead of a logging operation. Trimble GPS units were used to locate pre-determined shovel test areas, and positive shovel tests were delineated with the GPS units, or by compass and pacing. Average was 30 shovels tests per team, per day.

July 2011- Vicksburg, Mississippi
P.I. Jessica McNeil (SEAC)

Vicksburg National Cemetery

For one week, heavy excavation equipment was used to locate unmarked graves within the cemetery. Trenches were dug, mapped, photographed, and then backfilled.

July 2010- Jacksonville, Florida
P.I. Jessica McNeil (SEAC)

Timucuan Ecological and Historical Preserve

This project was a five day remote sensing survey of a slave cabin area on a plantation to determine more about underlying features of the site. Ground Penetrating Radar, Soil Resistivity Meter, and a Magnetometer were all used. Approximately 100 m² were surveyed.

February 2010- Brownsville, Texas
P.I. Rolando Garza (NPS)

Palo Alto National Battlefield

Assisted for two weeks in a metal detecting survey of the battlefield. Used GPS to spatially plot artifacts.

July 2009- Natchez, Mississippi
P.I. John Cornelison (SEAC)

Fort Rosalie National Historic Park

Two week full excavation (Phase 3) of 18th century French fortifications of Ft. Rosalie. Shovel testing to determine extent of site.

April 2009- Cumberland Island, Georgia
P.I. Steve Kidd (SEAC)

Ft. St. Andrews

Two week full excavation (Phase 3) of 18th century British Ft. St. Andrews.

2009-2013- Public Outreach: Archaeology Merit Badge Program

Supervisor: John Cornelison (SEAC)

For several years I have been involved in assisting with and teaching the Archaeology Merit Badge to local Boy Scouts. Groups are usually local to the Tallahassee area and the event has been growing in popularity since its inception.

**University of West Florida
Anthropology Department
Pensacola, Florida**

Student 2010-2013

May 21-June 22, 2012- Pensacola, Florida
P.I. Ramie Gougeon (UWF)

Campus Survey and 8ES950 Excavation

This was a 5 week field school on UWF campus. For the first 2 ½ weeks we performed shovel tests over 27 acres as compliance work to determine the impact a potential construction project on campus would have on a particular location with known prehistoric and historic sites. For the last 2 ½ weeks we performed a full excavation of a prehistoric and historic site on campus (Thompson's Landing/8ES950), in addition to auger testing to locate shell deposits and site boundaries.

June 23-June 30, 2012- Pensacola, Florida
P.I. John Bratten (UWF)

Pensacola, Florida

Co P.I. Greg Cook (UWF)

During this week I got the chance to perform survey, excavation, and target dives on historic shipwrecks in the Pensacola area. 2 days were spent excavating the Emmanuel Point II shipwreck in Pensacola bay, 2 days were spent diving on targets acquired through remote sensing data and one day was spent using both magnetometer and side scan sonar searching for anomalies.

**University of West Florida
Anthropology Department
Pensacola, Florida**

Employee 2013

January 22- May 1, 2012- Pensacola, Florida

UWF Archaeology Lab

Supervisor: Jan Lloyd (UWF)

For these months, I worked for the UWF Archaeology lab cleaning, sorting, processing, and cataloging artifacts from the previous summer's field schools. I also assisted in the flotation and processing of column samples, analyzing these samples for ethnobotanical remains.

**Texas A&M at College Station
Anthropology Department
College Station, Texas**

Employee 2011-2012

May 20- June 20, 2013- Aucilla, Florida

Page-Ladson Submerged Prehistoric Site

P.I. Jessi Halligan (TAMU)

Co P.I. Jim Dunbar (FBAR- Retired)

For these 4 weeks, I again worked on the Page-Ladson site in the Aucilla River, south of Tallahassee, Florida. The excavation was funded by the Center for the Study of the First Americans. We also performed underwater survey of surrounding areas of the site nearby within the same river system, to determine locations of future research sites.

July 1- August 24, 2012- Aucilla, Florida

Page-Ladson Submerged Prehistoric Site

P.I. Jessi Halligan (TAMU)

Co P.I. Jim Dunbar (FBAR- Retired)

For these 8 weeks, I worked on a potential pre-Clovis site in the Aucilla River, south of Tallahassee, Florida. The excavation was funded by National Geographic and the Center for the Study of the First Americans.

Volunteer Experience and Conferences Attended

2014- Invited presenter for Texas A&M Undergraduate Anthropology Club

2013- Presenter at Paleoamerican Odyssey Conference, Santa Fe, NM

2013- Invited presenter at the Student Scholars Symposium, University of West Florida

2012- Volunteer at the First Floridians, First Americans Conference in Monticello, FL

2012- Volunteer at Society for American Archaeology Conference, Memphis, TN

2012- Volunteer at Pensacola Archaeological Societies annual open house leading museum tours and tours of the downtown Colonial Archaeological Trail.

2012- Volunteer and Presenter at Southeast Archaeological Conference, Baton Rouge, LA

2012- Invited lecturer at the Panhandle Archaeological Society of Tallahassee.

2011-2012- Over 50 hours volunteer service in UWF Archaeology Lab

2009-Present- Archaeology Merit Badge Instructor for Boy Scouts at Wallwood Scout Camp

2008-2010- Over 200 volunteer hours at the Southeast Archaeological Center, both in lab work and field experience.

Presentations/Publications

Publications

2013- Wakulla 3: A Project Proposal for Baseline Cultural Heritage Survey and Monitoring of Wakulla Spring. With Steve Cushman and David Selmo. Published in *Business Communication*, Scwom and Snyder 2012.

Papers

2014- Texas A&M Anthropology Conference, College Station, TX- Sea Cows as Soft Hammers: Comparing Lithic Morphometrics between Percussion Hammers

2013- Panhandle Archaeological Society of Tallahassee (monthly meeting)- The Past, Present, and Future of Archaeological Research at Wakulla Spring, FL

2013- Southeast Archaeological Conference, Tampa, FL-**CO-AUTHOR** Red Sticks Barricade: Geophysical Investigations at Horseshoe Bend National Military Park

2012- Southeast Archaeological Conference, Baton Rouge, LA- Archaeology Merit Badge: A Successful Public Outreach Model

Posters

2014- Texas A&M Student Research Week, College Station, TX- Sea Cows as Soft Hammers: Comparing Lithic Morphometrics between Percussion Hammers **CO-AUTHOR**

2013- UWF Students Scholars Symposium, Pensacola, FL- Efficacy of Pollen Isolation: Analysis and Interpretation of Soil from Thompson's Landing Archaeological Site (8ES950)

2013- Paleoamerican Odyssey Conference, Santa Fe, NM- Wakulla In-Depth: An In-Depth Survey of a Deep Underwater Cave

Honors and Grants Received

2014- Runner-up, Texas A&M Student Research Week Poster Competition
\$150

2014- Professional Development Award- Texas A&M College of Liberal Arts
\$3,500

2013- Outstanding Undergraduate Student- Anthropology Department, University of West Florida

2013- Graduate Presidential Merit Fellowship Award to pursue Ph.D. in Anthropology at Texas A&M
\$112,000

2012- Undergraduate Academic Travel Grant for SAA Conference in Memphis, TN
\$1,250

2012- Student Government Association Travel Grant to SEAC Conference in Baton Rouge, LA
\$1,500

2012- Induction into Phi Kappa Phi Honors Society

2006- Eagle Scout

Technical Training

Red Cross First Aid Certified-Valid to 5/14

Emergency O2 Provider-Valid to 5/14

AED User Certified-Valid to 5/14

PSI Scuba Cylinder Inspector-Valid to 6/13

IANTD Gas Blender- Valid to 6/13

Hydrostatic Test Technician-Valid 7/13

Scuba Equipment Maintenance and Repair

Rescue Diver- SDI

Advanced Nitrox/Decompression-IANTD

Technical Cave Diver-IANTD

Master Scuba Diver- SSI

O2 Service Technician

Professional Organizations

Center for the Study of the First Americans- Student Member
Society for American Archaeology- Student Member
Florida Anthropological Society- Student Member
Southeastern Archaeological Society- Student Member
National Speleological Society- Member #63742
Southeastern Cave Conservancy- Member #2940
Aquatic Sciences Association- Member

References

- (Professional)** John Cornelison- Archeologist, Southeast Archeological Center, National Parks Service, Tallahassee, FL. (850) 580-3011 x127 or john_cornelison@nps.gov.
- (Academic)** Dr. Michael Waters- Director, Center for the Study of the First Americans; Professor, Texas A&M University. mwaters@tamu.edu
- (Academic)** Dr. Ramie Gougeon- Assistant Professor, University of West Florida. (850) 474-2831 or rgougeon@uwf.edu
- (Character)** Joe Reinman- Wildlife Biologist, Florida Fish and Wildlife Commission. joseph_reinman@fws.gov