

DARCY BIRD

MS, RPA

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SUMMARY

I am a student in the Anthropology Ph.D. program at Washington State University. I have four years (48 months) of full-time archaeology experience, including 28 months of GS-0102 government experience. I would like to gain more experience working in the American Southwest. I have a Linkpass with the USFS and a PIV with the NPS. I am available to work approximately May 10, 2021 - August 20, 2021.

EDUCATION

Washington State University

Ph.D. Anthropology August 2019 - Anticipated May 2023
GPA: 3.95/4.00 Credits Earned: 43 Semester Hours
Advisor: Timothy Kohler. (509) 335-2698. tako@wsu.edu
Dissertation: *Paleodemographic Tipping Points: a Complex Adaptive Systems Approach to Past Dramatic Transitions*

Utah State University

M.S. Archaeology and Cultural Resources Management August 2017 - August 2019
GPA: 4.00/4.00 Credits Earned: 35 Semester Hours
Advisor: Jacob Freeman. (435) 797-5744. jacob.freeman@usu.edu
Master's Thesis: *Subsistence Strategy Tradeoffs in Long-Term Population Stability Over the Past 6,000 Years.*

University of Rochester

B.A. *magna cum laude*, Archaeology, Technology, & Historical Structures September 2010 - May 2014
GPA: 3.86/4.00 Credits Earned: 177.5 Semester Hours
Member of Eta Sigma Phi, Honorary Society for Classical Studies.
Advisor: Elizabeth Colantoni. (585) 275-9360. elizabeth.colantoni@rochester.edu
Senior Thesis on the effect of the Roman Invasion on the Social Complexity of Gloucestershire in Britain.

CULTURAL RESOURCE MANAGEMENT EXPERIENCE

Archeological Technician (Preservation Dept), Bandelier National Monument

15 Entrance Rd., Los Alamos, NM 87544 GS-0102-07; \$21.06/hour; 40 hours/week
5/2021 - 08/2021 (3.5 months) Supervisor: Jackie Stark. (505) 709-5184. jacqueline_stark@nps.gov

Data Management

- Created and designed digital forms in ESRI Survey123 for use by preservation crew and RMYC members.
- Created databases to track past and present preservation information.
- Designed and implemented an improved workflow for preservation crews to ensure up-to-date records management.
- Made long-term recommendations to the Preservation Program Manager regarding future data organization and management strategies.

Masonry Structure Preservation

- Ensured preservation work conducted on the Bandelier CCC National Historic Landmark was accurately and completely documented
- Assisted in the maintenance, repair, and restoration of ancestral Puebloan and CCC masonry structures, including capping, resetting stone, repointing, and replastering.
- Ensured the repaired portion closely matched the original, undamaged portions of the structure.
- Prepared amended mortar according to specifications.
- Removed damaged portions of walls in preparation for repair. Documented dismantling via photographs, notes, and narratives to ensure original configurations were reestablished.

Leadership and Collaboration

- Worked alongside permanent and seasonal all-Native (Tewa, Keresan, and Hopi) preservation crews to instruct 10 Rocky Mountain Youth Corps members in preservation, recordkeeping, etc.
- Worked independently, as a member of a team, or as crew lead.
- Communicated and collaborated with park staff regarding individual RMYC member interests to schedule time for them to go out with other divisions.

Outreach

- Interfaced with the public regarding archaeological preservation, culture history, and current archaeological theory.

Archeological Technician, Ashley National Forest

355 N. Vernal Ave., Vernal, UT 84078

GS-0102-07; \$19.82/hour; 40 hours/week

5/2018 - 8/2018; 5/2019-8/2019 (5 months)

Supervisor: Jeffrey Rust. (435) 781-5156. jarust@fs.fed.us

Cultural Resource Project Management

- Worked on projects for hazard tree removal, aspen habitat management, wildlife and range watering stations, meadow restoration, and range pipeline installation.
- Designed, implemented, and reported on Cultural Resource Management Projects.
- Conducted pre-field research to identify previous sites and surveys within the area and to look for relevant information in the historical data (including Special Use Permits) and maps, as well as the BLM GLO survey plats and permits to identify areas of interest within the project area.
- Conducted post-field research to supplement field recorded data to finalize site forms and project reports. Some of these projects overlapped with areas of known cultural significance, including the historic Greendale community.
- Made recommendations of eligibility for the National Register of Historic Places using the relevant site data and research conducted.

Archeological Research

- Conducted extensive historical research on the historic Greendale area to determine the occupant of a remote area of the town and the relationships between various townspeople.
- Gathered relevant newspaper articles, obituaries, memoirs, past Masters' theses, BLM GLO patents and maps, census data, forest service publications and management plans, ancestry data, and previously transcribed oral interviews.
- Wrote a summary of findings with a focus on family relations, homestead history, and cabin occupancy, to determine the occupant of Alabama Flat in the small ranching community of Greendale.

GIS and GPS

- Generated archaeological site maps and project maps using ArcMap and ArcCatalog.
- Input all new resource and inventory location data into the forest-wide archaeological database.
- Recorded archeological data using a Trimble with Terrasync.

Leadership and Collaboration

- Worked independently, as a member of a team, or assistant crew lead.
- Worked with other departments to ensure mutual understanding of project information and archaeological clearance.

- Assisted members of the IDT team with the generation of clear and precise graphics regarding Forest Plan Revision.
- Assisted Strata Networks with the implementation of their fiberoptic line installation.

Archeological Fieldwork

- Recorded and monitored a variety of archaeological sites, including lithic scatters, temporary camps, possible village sites, historic homesteads, and historic sawmills.
- Conducted construction monitoring for the installation of a fiberoptic line through archaeological sites by Strata Networks.
- Photographed all features and artifacts.
- Navigated to and recorded sites with Terrasync, a map, and a compass.

Archeological Technician, Bureau of Land Management: Eagle Lake Field Office

2550 Riverside Dr, Susanville, CA 96130

GS-0102-07; \$19.49/hour; 40 hours/week

5/2017-8/2017 (3.5 months)

Supervisor: Marilla Martin. (530) 252-5307. mmmartin@blm.gov

Cultural Resource Project Management

- Worked on projects for sagebrush plantings and drill seeding, Right-of-Way renewals, single-track recreation trails, post-fire rehabilitation, and Section 110 projects, including Archaeology Volunteer Week.
- Designed, implemented, and reported on Cultural Resource Management Projects.
- Conducted pre-field research to identify previous sites and surveys within the area and to look for relevant information in the historical data and maps, as well as the BLM GLO survey plats and permits to identify areas of interest within the project area.
- Conducted post-field research to supplement field recorded data to finalize site forms and project reports. Some of these projects overlapped with areas of known cultural significance, including the Smoke Creek Petroglyph District.
- Made recommendations of eligibility for the National Register of Historic Places using the relevant site data and research conducted.

GIS and GPS

- Generated site maps and project maps using ArcMap, ArcCatalog, Avenza Maps, and Google Earth.
- Input all new resource and inventory locational data into the California State Office Cultural Geodatabase, and I modified pre-existing data in the geodatabase.
- Taught advanced GIS skills to ID Team members, including georeferencing historic maps.
- Recorded archeological data using a Trimble with ArcPad.

Leadership and Collaboration

- Worked independently, as a member of a team, assistant crew lead, or lead a crew of up to four others, including volunteers, archaeologists, and coworkers in other departments.
- Instructed volunteers how to conduct basic archeological fieldwork techniques, including survey methods, using a digital camera, filling out paperwork, using ArcPad, and reading a compass and topographic maps.
- Assisted in the reviewing of contract bids and resumes for hiring.
- Worked closely with the Archaeologist and other resource specialists as part of the ID Team, including attending IDT meetings.

Archeological Fieldwork

- Recorded and monitored a variety of archaeological sites, including lithic scatters, petroglyphs, possible village sites, a historic wagon, historic debris scatters, historic homesteads, and the Merrillville-Bieber Wagon Road.
- Photographed all features and artifacts, as well as impact agents on the sites.
- Navigated to and recorded sites with ArcPad, Avenza Maps, and a compass.

Archeological Technician, Eldorado National Forest

26820 Silver Dr, Pioneer, CA 95666

GS-0102-05; \$15.74/hour; 40 hours/week

11/2016-4/2017 (5.5 months)

Supervisor: Miranda Gavalis. (209) 295-4251. mgavalis@fs.fed.us

I worked on the Bear River Range Allotment Management Plan. This allotment overlapped with the Mokelumne River Canyon Archaeological District and contained 178 archaeological sites, including bedrock mortar sites, lithic scatters, historic and prehistoric habitation sites, and old homesteads. I received an "Outstanding" on my performance review for this position for working well above my pay grade.

Cultural Resource Project Management

- Created a site monitoring plan based on previous available data to determine the most valuable control locations.
- Assisted with the production of the complex Section 106 Evaluation Report for Livestock Grazing Impacts to historic properties and the National Environmental Policy Act (NEPA) Report.
- Researched historic documents, interviewed the Range Staff regarding historic livestock activity in the allotment, georeferenced historic range maps, and utilized the research of outside sources to produce the most up-to-date context in the region.
- Compiled all relevant information about sites within the project to better determine sites that need to be visited or revisited, and I proposed mitigation for sites that have been damaged by cattle.

Archeological Fieldwork

- Conducted site monitoring, including condition assessments and the monitoring of ground disturbing activities, GPS'd the sites with a Trimble with Arcpad, and photographed both archaeological features and impact agents.
- Conducted an emergency response for storm damage to evaluate historic properties at risk and recommend on site mitigation options, and I monitored storm debris removal to limit potential impacts to intact archaeological deposits.
- Completed a damage assessment for an incidental effect to a historic property by a utility company, including excavating the test units, screening of material, and documentation with photography and GIS.

GIS and GPS

- Input all data onto digital site forms, including California DPR and monitoring forms, and databases, including ARCGIS.
- Verified the accuracy of sites and surveys plotted in the Eldorado's Heritage Geodatabase.
- Recorded relevant site and impact data with ArcPad.

Contract Management

- Completed the background research and produced maps needed for contracted work.
- Assisted in the development of contract specifications.
- Reviewed submitted contracts for quality of work.

Collaboration

- Participated in the round table discussion for the Forest Plan Revision for Heritage and Tribal Consultation.
- Assisted in the archaeology workshop of the Rx-110 Introduction to Fire Effects course in Region 5.

Archeological Technician, Mendocino National Forest

10025 Elk Mountain Rd, Upper Lake, CA 95485

GS-0102-05; \$15.49/hour; 40 hours/week

7/2016-11/2016 (4.5 months)

Supervisor: Bob Weaver. (707) 275-1414. robertweaver@fs.fed.us

I primarily conducted Cultural Resource Inventories for the Etsel Ridge Range Allotment Management Plan. The second year of this two-year project: this project required the re-recording of approximately 180 sites, many of which had not been visited in thirty years, as well as several surveys in culturally sensitive areas.

Archeological Fieldwork

- Made recommendations regarding survey and monitoring strategies.
- Conducted site monitoring, including condition assessments and the monitoring of ground disturbing activities, updated site records, and identified and recorded new sites.
- Recorded site information with a Trimble with Terrasync, and a Samsung Tablet with Avenza.

GIS and GPS

- Transferred Terrasync data using Pathfinder to create site and survey maps in ArcGIS.
- Georeferenced historic and old site maps across modern GPS recordings to digitize site boundaries and previously located artifacts and features.
- Instructed coworkers in ArcGIS methods.

Post-Field Data Management

- Input all data onto digital site forms and databases.
- Assisted in reviewing work in progress to see that pre-field research, survey design, and site recording are all being conducted in an effective, safe and timely fashion.

Safety

- Presented at safety meetings to ensure full understanding of various safety protocols and equipment use for employees throughout the forest.

Leadership and Collaboration

- Instructed co-workers on how to use the radio, use GIS, and work in a forest setting.
- Participated in collaboration efforts regarding fire and forest health, climate change, and tribal and local participation on the forest.

Archeological Technician, Sawtooth National Forest

2647 Kimberly Rd E, Twin Falls, ID 83301

GS-0102-05; \$15.49/hour; 40 hours/week

4/2016-7/2016 (3.5 months)

Cultural Resource Project Management

- Wrote or assisted in project reports for sage grouse habitat rehabilitation, cattle troughs and pipelines, fencelines, road decommissions, mountain bike trails, and mining permits.
- Conducted cultural resource inventories by completing background research. I independently designed archeological inventory plans; implemented the inventory design; and completed the cultural resource inventory reports for projects with No Adverse Effect or No Effect.
- Prepared inventory reports for projects with an Adverse Effect, and proposed possible mitigations.

GIS and GPS

- Transferred the data from the Garmin GPS Units to ArcGIS.
- Built site and survey maps in ArcGIS.

Leadership

- Worked independently to conduct archaeological survey.
- Led small crews of seasonals during surveys and site recordation.
- Instructed new members of the crew in survey methods, site documentation, reading a compass and topographic maps, and GPS.
- Began the construction of a "How-To" guide for future archeology technicians.

Archeological Fieldwork

- Ran systematic field surveys for archaeological remains, including historic and prehistoric artifacts, such as homesteads, cabin sites, and lithic scatters.
- Independently recorded new sites and updated old site records, including site forms, artifact records, photographic records, and site maps. I logged all sites on Garmin GPS units.
- Entered new information onto digital site forms, completed Project Reports and Cultural Resource Inventory Reports, made recommendations for determinations of effect and eligibility.

Navigation and Safety

- Work occurred in sagebrush steppe and mixed conifer forest terrain.
- Navigated using topographic maps, a compass, and/or a GPS unit.

- During inclement weather or unsafe conditions, I made the decision whether the work was

Tribal Consultation

- Participated in the consultation with the local Native American Tribes to devise plans to protect important specific cultural sites related to an ARPA case from the illegal excavation, removal, damage, and defacement of archaeological remains.

Archeological Research

- Researched reference materials, including archaeological reports, maps, and aerial photos.

Field Archaeologist I, Louis Berger Group

412 Mount Kemble Ave, PO Box 1946, Morristown, NJ 07962
11/2015 - 12/2015 (1.5 months)

\$11.85/hour; 40 hours/week

Leadership and Teamwork

- Instructed and supervised my less experienced dig partner on proper shovel technique, the correct way to fill out forms, and how to use a Munsell.
- We worked in 6-18 person crews, surveying for a gas pipeline.

Excavation Experience

- Conducted cultural resource subsurface surveys for both historic and prehistoric artifacts.
- We excavated the prescribed number of shovel test pits and filled out the associated forms.
- I identified, recorded, and collected artifacts from the units.

Safety and Compliance

- Survey work was conducted in rough terrain and inclement weather.
- I helped insure that work assignments were conducted in a safe, timely manner according to established laws and standards.

Archeology Technician, Nebraska National Forest and Grasslands

125 N Main St. Chadron, NE 69337
7/2015 - 9/2015 (2.5 months)

GS-0102-05; \$15.31/hour; 40 hours/week

Supervisor: Kristina Hill. (602)-225-5233. khill@fs.fed.us

Archeological Fieldwork

- Ran systematic field surveys for surface and subsurface cultural and historic remains, including historic and prehistoric artifacts, such as homesteads, dams, cabin sites, and lithics.
- Conducted cultural resources inventories within proposed Forest Service Range Projects.
- Navigated using topographic maps, a compass, and/or a GPS unit.
- Recorded new sites and updated old site records, including site forms, artifact records, photographic records, and I logged all sites on Trimble GPS units with Terrasync.

Pre- and Post-Field Office Experience

- Researched reference materials, including historic documents, archaeological reports, maps, and aerial photos to assist our fieldwork.
- Contributed to Cultural Resource Inventory reports.
- Created site reports from information taken in the field.

GIS and GPS

- Transferred GPS data using Pathfinder to ArcGIS to create site and location maps.
- Entered site and inventory information onto GIS maps.

Safety

- Ensured that work was completed in a safe and timely manner according to established regulations and procedures.
- A majority of our projects were completed in dry grasslands/badlands terrain.

Outreach

- Provided interpretation assistance at the Hudson-Meng Education and Resource Center during their Open House Weekend, during which I gave tours to visitors, answered questions, and built displays.

Excavation Intern, The George Washington Foundation

268 Kings Hwy. Falmouth, VA 22405

GS-5 Equivalent \$12.00/hour; 40 hours/week

5/2014 - 8/2014 (3 months)

Supervisor: Dave Muraca (540) 370-0732. Muraca2@gwffoundation.org

Excavation Experience

- Excavated 5'x5' units stratigraphically, including 20th century, 19th/Antebellum, Colonial, and pre-Colonial layers. Units sometimes included complex stratigraphy and features such as rodent warrens/tunnels, building collapse, cellars, utility trenches, shovel test pits, and others.
- Drew plan and profile views of units, and completed context summaries for every context.
- Conducted inventories of archeological artifacts found within my unit, and also for each context.
- Identified soil color with the Munsell Soil Color charts.

Leadership

- Worked independently or with one other archaeologist to excavate.
- Instructed and supervised students from two Archaeology Field Schools in excavation technique, drawings, and summaries.

Outreach

- Assisted the public with their understanding of the site, including giving impromptu tours and answering questions regarding the archaeology, history, and geology of the site.

Archeology Intern, Klamath National Forest

1711 S Main St. Yreka, CA 96097

GS-5 Equivalent: \$75 stipend/week; 40 hours/week

6/2013 - 8/2013 (3 months)

Supervisor: Jeanne Goetz. (530) 841-4488. jgoetz@fs.fed.us

We conducted inventories of cultural resources within areas of proposed Forest Service projects.

Archeological Fieldwork

- Performed on-the-ground systematic field surveys for surface and subsurface evidence of archaeological remains.
- Acquired experience navigating using topographic map and compass, and/or GPS unit. Identified historic remains, such as hydraulic and hard rock mining features and equipment, mining camps, refuse dumps, and a few lithics.
- Recorded and updated site records, including California DPR 523 forms, and site maps formed using TerraSync on Trimble GPS units.
- Made field assessments regarding the eligibility of the site for the National Registrar. Made determinations of effect for each site, and attempted to mitigate damage.

Safety

- Project areas were usually mountainous and forested, though some fuel reduction projects could be very brushy.
- Adjusted ground strategies to fit within the project requirements, especially regarding unsafe terrain, unnavigable vegetation cover, and to fit within the time frame as necessary.

Excavation Experience

- Excavated a dense lithic scatter in 5 cm increments.
- I supervised Youth Conservation Corps high school students assisting in the excavation.

Excavation Assistant, Archaeospain

Peñalba De Castro, Burgos, Spain

Unpaid; 40 hours/week

07/2011 (1 month)

Supervisor: Iza Romanowska (+44-7902-184-477)

The goal of this field school was to excavate a Roman Theater in the single context method in association with La Universidad de Burgos.

Excavation Experience

- I excavated one versura, a portion of the scaena, and a wooden contraption that may have been used to raise and lower the curtain.

- Completed 2D site drawings of the site with Theodolite, measuring tape, and plumbob .
- Bagged, cleaned, sorted, and identified artifacts, including pot sherds, wood, and a large variety of metal.

Collaboration

- Conducted archaeological excavation as a member of a team, working to bridge the gap between English and Spanish.
- I regularly received and accurately implemented instructions provided in Spanish without the help of a translator. I was also able to help with the translation of basic Spanish to other members of the Field School, most of which had no Spanish experience.

RESEARCH EXPERIENCE

Graduate Research/Teaching Assistant, Washington State University

College Hall 150, Pullman, WA 99164
8/2019- present

\$20/hour plus tuition waiver; 20-30 hours/week
Timothy Kohler. (509) 335-2698. tako@wsu.edu

Archeological Research

- Conducted data collection of dendrochronological dates and artifact datasets.
- Conducted data organization and analysis in R-studio.

Outreach

- Presented research for this position at the Society for American Archaeology Annual Meeting.

Anthropology 101

- Taught several lectures on introductory archaeological theory and practices.
- Graded essays, article summaries, and quizzes for 95 students.
- Assisted individual students who came to office hours or emailed.

Graduate Research Assistant, Utah State University

Old Main 245, Logan, UT 84321

\$8500 stipend/year; 20 hours/week

8/2017-5/2018; 8/2018-5/2019 (8 months FT)

Jacob Freeman. (435) 797-5744. jacob.freeman@usu.edu

I participated in the research group PEOPLE 3K: PaleOclimate and the PeopLing of the Earth.

Archeological Research

- Assisted the data collection and aggregation for current research and in the submission of a proposal for NSF funding.
- Conducted research on radiocarbon datasets using statistical methods and RStudio to analyze trends in radiocarbon date frequencies in Utah and Wyoming relative to biological zones within 10 km.
- Gathered worldwide radiocarbon data (85,000+ radiocarbon ages) and analyzed the stability of the radiocarbon curve against measurements of biodiversity, pathogen stress, and animal domesticates. I analyzed this data in three different ways to determine the effect of the independent variables on radiocarbon stability.

GIS

- Used ArcGIS to manage and process large datasets (85,000+ points).
- Generated professional maps for academic publications.

Leadership and Collaboration

- Instructed undergraduate and graduate students on project management and data collection.
- Collaborated with other graduate students, professors, post-doc's, and undergraduates from USU and other universities on research projects.

R-Studio

- Used R-Studio to conduct statistical analysis on a variety of datasets using multiple statistical tests.
- Ran single and multi-regression analysis on data.
- Generated graphs for professional publications.

Outreach

- Presented research for this position at regional and national conferences, including the Great Basin Anthropological Conference and the Society for American Archaeology Annual Meeting.

Undergraduate Research Assistant, University of Rochester Archaeology Program

500 Joseph C. Wilson Blvd. Rochester, NY 14627

Unpaid; 20 hours/week

7/2012 - 12/2012 (3 months full-time)

Supervisor: Elizabeth Colantoni. (585) 275-9360.

The goal of this research was to trace the Roman aqueduct of Arezzo, Italy.

Research Experience

- Compiled all the information regarding the previous work on the aqueduct, which was spread out among a variety of papers and completely in Italian.
- Proposed future work for this aqueduct to be completed in future field seasons by the University of Rochester.

Fieldwork

- I used GPR, Magnetometer to test for underground structures that could imply the presence of the aqueduct.
- I excavated a two meter square trench in an area that was suspected to contain a portion of the aqueduct, and I drew both a profile and plan view of the trench. I used a Total Station to place this trench within the context of our pre-existing maps.
- I extensively used maps and GIS to track the path of the aqueduct.

Collaboration

- We worked as a multidisciplinary team, including archaeologists, mechanical engineers, and hydrologists, across both Italian and English.
- We worked within the limitations of the Italian government and coordinated with the Director of Archaeology for the city.

PROFESSIONAL AFFILIATIONS

Society for American Archaeology Member, Presenter (2017-present)

Great Basin Anthropological Association Member, Presenter (2016-present)

Utah Professional Archaeological Council Member (2018; 2019)

RELEVANT COURSEWORK

GRADUATE:

Agent-Based Modeling

Archaeology of the Desert West

Bayesian Statistics

Complexity in Small Scale Societies

Ecosystem Ecology and Global Change

GIS in Archaeology

Paleodemography and Sustainability

Quantitative Methods in Anthropology

Socioecological Models

Stable Isotope Analysis

Archaeological Theory

Archaeometry

Ceramic Analysis

Cultural Resource Management Policy

Evolution of Human Sociality

Medical Anthropology

Paleoethnobotany

Research Design and Quantitative Methods

Species Distribution Modeling

Zooarchaeology

UNDERGRADUATE:

Introduction to Archaeology

Engineering in Antiquity

Evolution of the Earth

Prehistory of Ancient Peru

Extensive coursework in Classical Archaeology.

Intro to Geological Sciences

Mineralogy

Colonial Latin America

JOB RELATED TRAINING

First Aid Certification expires 05/29/2021

ADDITIONAL REFERENCES

Judson Finley (435) 797-9621	Utah State University judson.finley@usu.edu	Professor
Trista Schiele (435) 781-5115	Ashley National Forest trista.schiele@usda.gov	Archeologist
April Hargis (707) 275-1410	Mendocino National Forest ahargis@fs.fed.us	West Zone Planning Officer

ADDITIONAL INFORMATION

I currently possess a Washington Driver's License, and I have reliable transportation. I have experience operating in 4WD on and off road. I can drive a car with a manual transmission. I have a Linkpass with the Forest Service and a PIV with the NPS.