

**Susan Bierer**  
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## **Education**

M.S. Architecture, Heritage Conservation University of Arizona, Tucson, AZ	anticipated 2018
M.A. Anthropology (with distinction) Northern Arizona University, Flagstaff, Arizona	2008
B.A. Anthropology (minor Geology) University of Arizona, Tucson, Arizona	1990

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## **Heritage Conservation Related Work Experience**

**Research Coordinator** **July 2017 to present**

School of Architecture, College of Architecture, Planning and Landscape Architecture  
University of Arizona

- Conduct primary and secondary historical research, including archival and field documentation.
- Perform assessments of object, buildings, and landscapes to determine significance, condition, and integrity applicable to the project scope.
- Analyze research data and generates recommendations applicable to the project scope.
- Compile research data into report formats in compliance with internal and external publications standards, including GIS maps and other graphic tools.
- Assist Project Director to edit report drafts toward final publication, and translating research products into other forms of dissemination, including websites, articles, project profiles, etc.
- Coordinate with clients, contractors and other project personnel to perform project activities.
- Perform administrative duties related to the research and outreach projects.

## **Professional Archaeological Experience**

**Flagstaff Area National Monuments** **July 2012-September 2012**

**Ruins Preservation Crew.** Seasonal ruins preservation work conducted at several prehistoric sites at Wupatki and Walnut Canyon. Responsible for the compilation of field data and write up of Lomaki Ruin at the end of the field season. GS-7 Detail Assignment.

**Navajo National Monument (NAVA)** **June 2009 to September 2012**

**Cultural Resource Management duties:** GS-7 Term Position. Supported and assisted NAVA cultural resource program coordination and development including designing, prioritizing,

implementing and organizing new and recurring division objectives while meeting incoming program demands. I assisted, planned and budgeted projects under the guidance of the Chief of Cultural Resources and supervised project deadlines, tracked division inventory, and was responsible for the supervision, orientation and training of incoming archeological staff and interns.

- Collection and analysis of archaeological inventory and monitoring assessments.
- Conducted intensive research and data synthesis related to NAGPRA and the ruins preservation histories for archaeological sites located in Navajo National Monument; Participated in NAGPRA tribal consultation meetings with Hopi, Navajo, and Paiute tribes.
- Managed all levels of GIS data collection, querying, and analysis of archaeological and spatial data. Specifically, I developed initial Geographic Information Systems (GIS) data layers, metadata, and manage data systems related to GIS technologies for Southern Four Corners Area (SOFO) cultural resource programs at Navajo National Monument (NAVA) and Hubble Trading Post (HUTR). Organized data according to NPS CRGIS data standards. Lead GIS map production. Created base maps for 2012 Intermountain Regional Superintendent Search and Rescue Training in Denver, CO.
- Maintained and updated on-site archival and digital site records in an online federal database (ASMIS). Reinstated original NAVA sites numbers per the 2010 critical needs assessment.
- Technical writer, researcher and editor for internal reports, web based media, and public exhibits
- Contributor and researcher for park 2012 NPS Service-wide Comprehensive Call for project proposals and accounting of proposed projects in PMIS (Project Management Information System)
- Collaborated with NPS, tribal and state university research partners on cultural/natural resource management issues
- Supported NAVA Determination of Eligibility historic research for NPS Denver and Santa Fe offices
- Experienced liaison and point of contact for federal state, and tribal researchers and consultants
- Initiated several NPS grant proposals to obtain outside project funding
- Vanishing Treasures (VT) site condition assessments at NAVA and CACH
- Site recording and monitoring activities for NAVA and HUTR, and one archaeological testing project at CACH
- Assisted NAVA Facilities Management and Interpretation divisions with writing Scopes of Work for maintenance projects and interpretive trail development
- NPS Ambassador in all aspects of visitor and local community public relations in person, written, and telephone situations.
- Principal researcher and author of "Archaeological and Stabilization History for Keet Seel Ruin" (approximately a 400-page draft 90% complete at the time my term expired in 2012).

**Museum Collections duties:** NAVAs museum curator was posted offsite at Hubbell Trading Post and conducted regular visits to NAVA. In accordance to NPS Director's Order # 24 NPS Museum Collections Management, as staff archaeologist I assisted our Museum Curator with several aspects of NAVA collections.

- Conducted collection inventory and photo documentation
- Data entry and cataloging in NPS collections database (ANCS+)
- Documentation of archaeological artifacts
- General housekeeping duties
- Responsible for the monthly download and documentation of data logger data

**Park Library duties:** As a collateral duty, I managed three distinct libraries which included Navajo National Monuments' Main, Rare Book, and Cultural Resource Division park libraries and their associated databases, inventory, accession, and deaccession books, managed library book loans.

## **Professional NPS Training**

Federal Emergency Management Agency (FEMA): Introduction to Incident Command May 2012

National Park Service Operational Leadership October 2011 & March 2012

Graduate, National Park Service Fundamentals Training courses I-V. February 2011, Washington D.C.

Section 106 (NHPA) & National Environmental Policy Act (NEPA) September 2010

Native American Graves Protection and Repatriation Act (NAGPRA) March 2010

Wildland Fire-fighter Training Certificate April 2009

Certified Helicopter Crew, United States Department of the Interior 2006-2009

## **Professional GIS and Database Experience**

### **Grand Canyon National Park**

**March 2009-June 2009**

GS-6 Seasonal Archaeologist

- Created GIS data layers for annual prescribed burn analysis.
- Assessed acreage needed to be surveyed, measured previous acres surveyed, and digitizing polygons for new survey of North Rim burn units using existing GIS Fire Predictive model.
- Updated both GIS archaeological site records and GRCA archaeological database site files with new data entry.
- Created metadata for GIS archeological site points, survey lines, and survey polygons under the direction of Amy Horn and Ian Hough 928-638-7750.

**Museum of Northern Arizona, Flagstaff**

**January 2008- May 2009**

Assistant Research Anthropologist, Grand Canyon Archaeological Synthesis. Developed and prioritized a list of prehistoric sites with diagnostic ceramics within the Grand Canyon archaeological Access database to support research for the *Grand Canyon Archaeological Synthesis Project*; developed GIS layers, created 32 individualized geodatabases which entailed extensive geo-processing, and complete metadata write up. Executed queries in GRCA archaeological database to develop specific data synthesis for core research objectives for Grand Canyon Synthesis senior researchers. Contact Dr. Francis Smiley, Department of Anthropology, Northern Arizona University 928-607-0014.

**Grand Canyon National Park**

**August 2008-January 2009**

Student Temporary Employment Position (STEP). Researched and integrated a previously developed but unused NPS Ethnographic Resource Inventory database. Established and populated a working ethnographic database for Grand Canyon National Park, under the direction of Amy Horn, Park Archaeologist.

**Grand Canyon National Park**

**June 2007 - December 2007**

Archaeological Intern. Located and described inaccurate site location information within the Grand Canyon National Park archaeological GIS and site file data within the parks' prescribed burn units on both the North and South Rim on a total of 1,718 archaeological sites. Created an independent database to track actions required to rectify GRCA GIS, with metadata report. Researched archival maps, archaeological site cards and compared those data to the GIS data. Contact: Ellen Brennan 928-638-7742.

**Museum of Northern Arizona, Flagstaff**

**November 2007- June 2008**

AZSITE GIS Technician. Synchronization of the museums' cultural resource data into AZSITE Arizona's statewide archaeological database. Digitized site/survey locations. Contact: Kelley Hays-Gilpin 928-523-6564

**Coconino National Forest, Flagstaff**

**May 2006-August 2006**

Archaeological Technician, Peaks Ranger District. Rectification of electronic site files stored in excel spreadsheet, archaeological survey, cartography. Contact: Heather Provincio, Kaibab National Forest Supervisor (928) 635-8200.

**SWCA, Inc., Environmental Consultants, Tucson**

**1991-1995**

Field Director and Assistant Field director: Led archaeological excavation projects under the supervision of a Project Manager, supervised field crews, authored and co-authored technical reports from 1992 -1995.

Director of Public Programs and Archaeology Month Coordinator: Developed exhibits and hands on activities for Archaeology Month programs, traveled, set up, and served as event presenter and coordinator for the Annual Archaeology Month program for the SWCA Tucson office under the direction of Tom Euler from 1991-1995.

Lithic Analyst: Lithic analyst, co-author, and author for technical reports from 1992-1995.

Archival Research Assistant: Conducted in-depth research at local and state repositories such as the Arizona State Museum, Arizona Historical Society, USGS, BLM, and University of Arizona libraries from 1991-1995.

Archaeological Field Technician: Archaeological survey, testing, and data recovery projects throughout the state of Arizona, with projects in New Mexico and Nevada from 1991-1995.

**Arizona State Museum University of Arizona** **January 1991-July 1991**

Archaeologist, Project Origins. Supervised and taught archaeological field and lab methods to developmentally disabled students.

**Bureau of Land Management** **May 1988-July 1988**

Archaeological Intern Salt Lake District Office. Emphasis on archaeological survey, site recording, mapping, report writing, and photography.

## **Public Exhibits and Presentations**

**Arizona Historic Preservation Conference** **June 2017**

“Not Just Empty Space – Historic City Parks and Streetscapes: Armory Park and Tucson Children’s Museum” Student Contributor with Helen Erickson and Steve Grede, Oro Valley, AZ.

**Armory Park Neighborhood Association** **May 2017**

“Armory Park Master Conservation Plan.” Co-presenter with Alex Ageno and Stephanie Badurski, College of Architecture, Planning and Landscape Architecture, Preservation Planning course project.

**Kayenta Township Centennial** **July 2010**

Invited presenter Kayenta Township Commission Centennial “Lectures on the History of Kayenta.” PowerPoint presentation entitled “Navajo National Monument and Kayenta: A Century of Community Building.”

**Funfest Science Expo** **October 2009**

Organized and created a hands-on exhibit for the Tucson Math and Science Fair for the Interpretation Division, Navajo National Monument. Created for use in the expo and for the Junior Ranger program aiming at 4th - 8th grade students. Topic: Absolute and Relative Chronology using Tree-Ring dating and Ceramic Seriation.

## **Society for American Archaeology 73rd Annual Meeting**

**March 2008**

Co-organizer for Northern Arizona University, Department of Anthropology Symposium  
Southwest Heritage: Strategies for Managing and Preserving Cultural Resources. Paper  
Presented: Digital Archaeology: The Integration of GIS into Archaeological Site Files.

## **SWCA Inc., Archaeology Month Exhibits 1992-1995**

“Recent Excavations in the Tucson Basin: Excavation of the Gibbon Springs Site.” Exhibit prepared for the 1995 Arizona Archaeology Fair, displayed at the Arizona Sonora Desert Museum March 14 – April 30, 1995.

“The Sanchez Camp: An Archaeological Perspective.” Exhibit prepared for the 1994 Arizona Archaeology Fair, held at the Clemenceau Museum, Cottonwood, Arizona.

“Flaked Stone in Arizona.” Exhibit prepared for the 1993 Arizona Archaeology Fair, held at the Tubac Presidio State Historic Park, March 25th and 26th, 1993, Tubac, Arizona.

“Archaeological Testing at AZ BB:9:50 (ASM): The Gibbons Springs Site.” Poster Exhibit prepared for the 1993 Pecos Conference, Springerville, Arizona.

“Hearth and Home at La Ciudad de Los Hornos.” Exhibit prepared for the 1992 Arizona Archaeology Fair, held at the Arizona State Museum, Tucson.

## **Professional Affiliations**

Alliance for Historic Landscape Preservation  
Association for Preservation Technology  
Society for American Archaeology  
Society of Architectural Historians  
Arizona Archaeological and Historical Society

## **Recent Reports**

2017 Ageno, Alexander, Stephanie Badurski, Susan Bierer and Helen Erickson  
*Armory Park Conservation Plan*. College of Architecture, Planning and Landscape Architecture.

2017 Chorover, Gina, Crystal Dilahunty, Jaimie Luria and Susan Bierer  
*Historic American Landscape Survey: Valley of the Moon*. National Park Service United States Department of the Interior.

2017 Badurski, Stephanie and Susan Bierer  
*Historic American Landscape Survey: Armory Park*. National Park Service United States Department of the Interior.

2017 Demion Clinco and Susan Bierer  
National Register of Historic Places Nomination. Hacienda Del Bosquito, The Single Family Residential Architecture of Josias Th. Joesler and John and Helen Murphey in Tucson and Pima County, Arizona 1927-1956.

## **Federal Professional Reports**

Bierer, Susan

2012 Archaeological and Stabilization History of Keet Seel (NA2519). Report left in draft form. National Park Service, Navajo National Monument. NAVA-2011-0005-RP.

2007 Geospatial Rectification of North and South Rim GIS Data for the Grand Canyon Archaeological Program. Metadata Report on file at Grand Canyon National Park.

2007 Determination of National Register Eligibility for the Wildcat Ranch, Coconino National Forest, Peaks Ranger District, Flagstaff Arizona. CNF Report 2003-32B.

## **Selected SWCA Professional Reports**

Gregonis, Linda and Susan Bierer

1996 Surface Collections at AZ AA:16:402 (ASM) on the Upper Bajada of the Tucson Mountains, Pima County, Arizona. Prepared for the Arizona- Sonora Desert Museum, Tucson.

Bierer, Susan and Linda Gregonis

1995 Gibbons Ranch: Excavation of Site AZ BB:9:275 (ASM) Pima County, Arizona, edited by Susan B Bierer and Linda Gregonis. SWCA Report No. 95-11. SWCA Environmental Consultants, Tucson.

Bierer, Susan

1995 Lithic Analysis. Site AZ DD:1:22 (ASM): Excavation of a Pre-Classic Household in Sells, Tohono O'odham Nation, Arizona. Edited by Heidi Roberts and Linda Gregonis. SWCA Archaeological Report No. 95-217. SWCA Inc., Environmental Consultants, Tucson.

1995 Historical-Period Occupational Site Use. In Excavation of the Gibbon Springs Site: A Classic Period Village in the Northeastern Tucson Basin, edited by Mark C. Slaughter and Heidi Roberts. SWCA Archaeological Report No. 94-87. SWCA Inc., Environmental Consultants, Tucson.

1994 Plan of Work for Limited Archaeological Data Recovery at AZ CC:2:185 (ASM), Graham County, Arizona

Ahlstrom, Richard V.N. and Susan Bierer

1994 Flaked Stone Analysis. The Sanchez Copper Project: Volume I: Archeological Investigations in the Safford Valley, Graham County, Arizona. SWCA Archaeological Report No. 94-82. SWCA Inc., Environmental Consultants, Tucson.

Lee, Tina and Susan Bierer

1994 A Cultural Resource Survey of Approximately 1.4 Acres on Kaibab-Paiute Tribal Lands, Mohave County, Arizona. (with Tina Lee) SWCA Archaeological Report No. 94-85. SWCA Inc., Environmental Consultants, Tucson.

Bierer, Susan

1994 An Archaeological Inventory of 32.7 Acres for the Avra Valley Airport Expansion, Pima County, Arizona. SWCA Archaeological Report No. 94-123. SWCA Inc., Environmental Consultants, Tucson.

Seymour, Gregory R. and Susan Bierer

1994 A Cultural Resource Survey of a Four-Mile Utility Right-of-Way South of Pima, Graham County, Arizona. SWCA Archaeological Report No. 94-130. SWCA Inc., Environmental Consultants, Tucson.

Bierer, Susan

1994 A Cultural Resource Inventory of One Acre Near the Eloy Municipal Airport, Pinal County, Arizona. SWCA Archaeological Report No. 94-171. SWCA Inc., Environmental Consultants, Tucson.

Motsinger, Thomas N. and Susan Bierer

1994 A Cultural Resource Survey of An Overhead Powerline Easement South of Safford, Graham County, Arizona. SWCA Archaeological Report No. 94-172. SWCA Inc., Environmental Consultants, Tucson.

Slaughter, Mark C. and Susan Bierer

1994 Results of a Cultural Resource Survey Along A Portion of Avra Valley Road Near Los Morteros and Huntington Ruins, Pima County, Arizona. SWCA Archaeological Report No. 94-178. SWCA Inc., Environmental Consultants, Tucson.

Bierer, Susan

1993 Archaeological Survey of 640 Acres (T16S, R24E, Section 2) near Cochise, Cochise County, Arizona: The Wilcox Playa Survey. SWCA Archaeological Report No. 93-67. SWCA Inc., Environmental Consultants, Tucson.

Chenault, Mark L., David A. Phillips, and Susan Bierer

1993 Archaeological Testing and Data Recovery at Two Sites in the Proposed Prison Facility ASPC—Eyman-Meadows Unit near Florence, Pinal County, Arizona. SWCA Inc., Environmental Consultants, Tucson.

Slaughter, Mark C. and Susan Bierer

1993 Archaeological Test Excavations AZ BB:9:242 (ASM). The Sabino Springs Project, Pima County, Arizona “Limited Use of a Natural Springs Resource” (with Mark C. Slaughter). SWCA Inc., Environmental Consultants, Tucson.

Motsinger, Thomas N., Pat H. Stein, and Susan Bierer

1993 Inventory and Predicative Management of Cultural Resources within the City of Tucson Downtown Heritage Incentive District. Draft Report. SWCA Inc., Environmental Consultants, Tucson.

Phillips, David A. and Susan Bierer

1993 Archaeological Data Recovery along West Side Road in the Cloudcroft Ranger District, Lincoln National Forest Otero County, New Mexico. SWCA Archaeological Report No. 93-3. SWCA Inc., Environmental Consultants, Tucson.



Roberts, Heidi, Richard V. N. Ahlstrom, Linda Gregonis, Laurel Meyers, Susan Bierer  
1992 Archaeological Data Recovery of Six Sites in Calabasas Park Santa Cruz County, Arizona.  
Draft Report. SWCA Archaeological Report No. 92-83. SWCA Inc., Environmental Consultants,  
Tucson.

Bierer, Susan

1993 Historic Materials. In Archaeological Test Excavations and Plan for Data Recovery at AZ  
BB:9:50 (ASM), The Gibbon Springs Site Pima County, Arizona. By Mark C. Slaughter and  
David A. Phillips Jr. SWCA Archaeological Report No. 93-50. SWCA Inc., Environmental  
Consultants, Tucson.

Bierer, Susan

1992 Lithic Analysis. at the Maja Site: Archaeological Investigations at a Hohokam Ak-chin  
Fieldhouse in Southern Avra Valley, Arizona. By Thomas N. Motsinger, David A. Phillips, and  
Heidi Roberts. SWCA Archaeological Report No. 92-2. SWCA Inc., Environmental Consultants,  
Tucson.

Bierer, Susan

1992 Lithic and Ground Stone Analysis. In Archaeological Investigations at AZ U:13:8 (ASM),  
The Gila Butte Site Pinal County, Arizona. By Thomas N. Motsinger. SWCA Inc.,  
Environmental Consultants, Tucson.

Philips, David A, Mark C. Slaughter, and Susan Bierer

1992 Archaeological Studies at Kartchner Caverns State Park Cochise County, Arizona. SWCA  
Archaeological Report No. 92-67. SWCA Inc., Environmental Consultants, Tucson.

Philips, David A, Mark C. Slaughter, and Susan Bierer

1992 Archaeological Testing Near the Apache Generating Station Cochise County, Arizona.  
SWCA Archaeological Report No. 92-44. SWCA Inc., Environmental Consultants, Tucson.