

APPENDIX 8.3C

Cultural Resources Resumes

William August Shapiro

Senior Project Supervisor

Summary of Qualifications

Mr. Shapiro is a professional archaeologist with 27 years experience in archeological research including 25 years in cultural resource management. During this period, he has worked with private consulting firms on numerous projects including those for the California Department of Transportation (CALTRANS), Department of Defense (DOD), U.S. Army Corps of Engineers (COE), and the U.S. Forest Service throughout California and the Hawaiian Islands. He has also worked on other federal, state, and local agency projects and is familiar with historic preservation laws and regulations at the federal and state level, including Section 106. Mr. Shapiro has extensive experience in California, Nevada, southern Oregon, central Florida, the Hawaiian Islands, American Samoa, and Saipan in the Northern Marianas. He is certified to work at sites with hazardous waste/materials (40-hr HAZWOPER).

Mr. Shapiro's areas of expertise include:

- Project management and supervision of cultural resource investigations
- Conducting cultural resource surveys, inventories, and evaluations for National Register eligibility
- Prehistoric and historic archaeological site testing and data recovery excavations
- Compliance with cultural resource regulations under National Historic Preservation Act (Section 106) and California Environmental Quality Act
- Archival and background research for prehistoric and historic resources
- Technical report writing and production

Education

M.A., Anthropology, California State University, Chico, California, 1990
B.A., Anthropology, California State University, Chico, California, 1982

Recent Key Projects

In Progress Project Manager and Supervisor for an archaeological inventory survey, extended Phase I and Phase II evaluation for the YOL-16 Safety Widening Project along State Route 16 for the California Department of Transportation. Conducted Inventory Survey within the APE of a 14 mile long area on either side of State Route 16. This was followed by Extended Phase I work at two prehistoric sites and Phase II evaluation at CA-YOL-125, a prehistoric midden deposit with human remains. Project is ongoing and will likely result in Phase II Data Recovery excavations.

In Progress Western Area Power Administration – North Area EA Inventory - Field Director and Project Manager for a contract administered by CH2M Hill. Includes intensive inventory survey of Western's right-of-way easements and legal access roads from the Sutter Buttes to the Oregon border along high voltage transmission lines on both sides of the Sacramento Valley. Project area includes portions of Sutter, Colusa, Glenn, Yuma, Tehama, Butte, Shasta, Trinity and Modoc Counties. Historic and prehistoric resource identification, recording, site record updating and mapping. Requires extensive GPS data acquisition and training to coordinate with a Geographic Information System (GIS) database for cultural and biological resources that could be integrated with other planning and management information used by the Department of Energy.

In Progress University of California, Davis – On Call Archaeological Services – Project Manager. Assisting the University of California at Davis, Office of Resource Management and Planning with their cultural resource management needs with regards to various planning and construction projects. Involves working with various campus project managers (from the Office of Architects &

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- Engineering, Operations and Maintenance Facility, the Arboretum and Grounds, etc.) to access the potential impacts of proposed projects to cultural resources. Work includes surface survey, subsurface survey testing for buried cultural resources, monitoring of project construction activity near environmentally sensitive zones, sensitivity training for construction contractors with regard to cultural resources, excavations for site evaluation and data recovery mitigation, and project planning and feasibility studies for the protection of cultural resources within the UCD campus.
- 2001-2003 Project supervisor and senior author for Phase II excavation and evaluation of three prehistoric sites along U.S. Highway 395 in Mono County, California for the Mammoth Fence Replacement Project. Work conducted for the California Department of Transportation, Eastern Sierra Environmental Branch, Bishop.
- 2001-2003 Project supervisor for a cultural resources survey and inventory for the Proposed State Route 16 Highway Safety Project in Yolo County, California. Located and recorded several prehistoric and historic resources and coordinated architectural and historic resources inventory and evaluation. Conducted for the California Department of Transportation, North Region Office of Environmental Management, Sacramento.
- 2001-2003 Project supervisor for a Phase I inventory of the proposed Hopland Bypass project in Mendocino County, California. Work conducted for Caltrans and included coordinating access to various parcels with property owners and surveying various project alternatives and recording both prehistoric and historic resources. Conducted for the California Department of Transportation, North Region Office of Environmental Management, Sacramento.
- 2002 Monitored the removal of the 1930s Old Spencer Beach Road through the Pu'ukohola Heiau National Historic Site, in Kawaihae, Hawaii in order to bring the area back to its original pre-contact setting. Recorded buried rock wall and pavement features, and ensured the road removal and landscape restoration work avoided impacting cultural deposits and surface features including the massive Pu'ukohola and Mailekini Heiau. Co-author of draft report which was prepared for the U.S. National Park Service, Honolulu.
- 2000-2002 Project supervisor and co-author for Phase II excavation and evaluation of seven prehistoric sites along State Route 89 in Shasta County, California. Supervised field excavations and worked with Native American monitors at the Pit River Tribe's curation facility in Burney. Among the sites was an extensive midden deposit with a wide variety of materials including prehistoric ceramics, baked clay objects and shell and bone ornaments. Prepared for the California Department of Transportation, North Region, District 2, Redding.
- 1995-2002 Project supervisor and co-author of a surface survey, testing, data recovery, and monitoring project for the Ta'u Road improvements on Ta'u Island in the Manu'a Islands, American Samoa. Supervised field survey and excavation crews during documentation and testing of 21 feature complexes within the ancient village of Faga, located on the north side of Ta'u Island. Also conducted construction monitoring and data recovery excavations. Prepared for American Samoa Department of Public Works/ and the COE for the U.S. Federal Highways Administration..

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- 2000-2001 Project supervisor for archaeological survey and monitoring of the Sunrise Cogeneration and Power Project in Kern County, California. Included extensive environmental awareness training sessions for various construction personnel as requested by the California Energy Commission. Coordinated needs with various construction personnel and project managers. Work conducted for the Sunrise Cogeneration and Power Company, Bakersfield.
- 1999-2001 Project supervisor for several survey and inventory projects related to seismic 3-D natural gas and oil exploration studies in the Sacramento River Delta and in Kern County. Involved recording resources and relocated drill or vibrating points to avoid impacts to cultural resources. Work conducted for Robert Booher Consulting, Fairfield.
- 1998-2001 Project supervisor and co-author for archaeological survey and monitoring of subsurface soil tests within the Tanapag Fuel Farm, Saipan, as part of the U.S. Army Corps of Engineers' Defense Environmental Restoration Program – Formerly Used Defense Sites (DERP-FUDS). Recorded 45 WWII era fuel tank features and pre-WWII Japanese historic features.
- 2001 Project supervisor and co-author for Phase III excavations and monitoring at the Tanapag Beach Park and the historic Tanapag Cemetery 1, Saipan as part of the U.S. Army Corps of Engineers PCB remedial clean-up activities. Included excavation of a WWII Japanese mass grave feature and monitoring of PCB contaminated soil testing within an historic cemetery with unmarked graves. Job required Hazmat training with use of personal protective equipment and establishment of a decontamination zone as work areas contained contaminated PCB soils.
- 1998-2000 Project supervisor and senior report writer for a Phase II excavation and evaluation at prehistoric site CA-LAK-1883 for proposed road improvements. Prepared for the California Department of Transportation, District 3.
- 1998-1999 Project supervisor and co-author of archaeological monitoring and archival research for the Edoni Site, Saipan in conjunction with a COE soil and groundwater contamination study at the site, a former U.S. borrow pit/landfill associated with World War II activities. Recorded over 600 prehistoric and historic artifacts during the investigation. Required Hazmat certification.
- 1998 Archeological supervisor for monitoring, and sampling, project (DERP/FUDS) at Chalan Kanoa, Saipan. Documented early deposits associated with initial human occupation of Saipan. Also recorded numerous trash pits associated with Japanese occupation of the island. Required Hazmat certification. Prepared for U.S. Army Corps of Engineers, Honolulu District.
- 1997-1998 Project supervisor and senior report writer for a cultural resources inventory and evaluation for the U.S. Army Corps of Engineers, Sacramento District, PL 84-99 Levee Rehabilitation on the Feather, Bear, Sacramento, and San Joaquin River Systems. Managed 58 separate task orders under this emergency contract between approximately April 1997 and April 1998 and participated in all aspects of fieldwork and reporting.
- 1996-1998 Project Supervisor for Twelve Bridges Project, conducted survey and inventory of 4,800 acre property, test excavations at 23 prehistoric and historic archeological sites, and data recovery excavations at 4 prehistoric and historic archeological sites. Prepared for Placer Holdings, Inc.

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	1994-1995	Project supervisor and co-author of a heritage resources inventory and evaluation for a proposed land exchange between Western States Minerals Corporation and the Humboldt-Toiyabe National Forest in Nye County, Nevada. Twenty-eight sites including prehistoric lithic scatters, overhang shelters, and rock ring features as well as historic mining sites were subjected to detailed recording and exploratory excavation to determine NRHP eligibility. Prepared for Western States Minerals Corporation (Reno, NV) and Environmental Management Services Corp. (Ft. Collins, CO).
	1994-1995	Field supervisor and co-author of inventory surveys at the Hanalei and Huleia National Wildlife Refuges on Kauai Island, Hawaii. Work included survey and inventory of historic and prehistoric sites, test excavation and preliminary National Register of Historic Places significance assessments. Reports submitted to the U.S. Department of the Interior, Fish and Wildlife Service, Pacific Region.
	1992-1994	Field supervisor and co-author of two inventory and evaluation surveys at the Pahakuloa Training Area (PTA) on Hawaii Island. Work included Explosive Ordnance Demolition (EOD) safety training, coordination with range control and training activities, and escort by EOD specialists. Reports submitted to the U.S. Army Corps of Engineers, Honolulu District.
Professional Experience	1985-1987	Field Supervisor/Director. Florida State University, Tallahassee. Directed all aspects of fieldwork for archaeological excavations at the Windover Site, an Early Archaic bog cemetery in central Florida.
	1988	Field Supervisor. Paul H. Rosendahl, Ph.D., Inc. Directed survey, excavation and construction monitoring projects on O`ahu, Maui, Hawaii and Kahoolawe Islands, Hawaii.
	1989-1990	Field Supervisor. Jensen and Associates. Directed archaeological survey and excavation projects in northern California, Oregon and Hawaii.
	1990-1992	Field Director and Project Manager. PAR Environmental Services. Directed archaeological projects under contract to the USDA Forest Service, Lassen, Plumas, Stanislaus and Klamath national forests. Conducted extensive historical archival research for various projects and co-authored survey and test excavation reports.
	1992-1995	Field Director and Project Manager. BioSystems Analysis, Inc. Directed all aspects of archaeological fieldwork for projects in California, Nevada, Hawaii and American Samoa. Co-authored numerous survey and excavation reports.
Selected Publications & Accomplishments	2002	<i>Archaeological Investigations at Three Prehistoric Sites on U.S. Highway 395 in Mono County, California for the Mammoth Fence Replacement Project</i> (with R. Jackson). Draft report submitted to the California Department of Transportation, Eastern Sierra Environmental Branch, Bishop.
	2002	<i>Archaeological Monitoring of the Obliterate the Old Spencer Road Project, Pu`ukohola Heiau National Historic Site, Kawaihae, South Kohala, Hawaii</i> (with L. Shapiro and P. Cleghorn) Draft report submitted to the U.S. National Park Service, Honolulu. 2002

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Region, District 2.

- 2002 *Archaeological Investigations at Seven Prehistoric Sites on State Route 89 Between Lake Britton and Pondosa Road, Shasta County, California* (with L. Shapiro, B. Bloomer and R. Jackson). Prepared for the California Department of Transportation, North Region, District 2, Redding.
- 2002 *Archaeological Monitoring Report for the Construction of the Ta'u Road, Faga and Fitiuta, Ta'u Island, Manu'a, American Samoa* (with P. Cleghorn). Draft final report submitted to the U.S. Army Corps of Engineers, Honolulu District.
- 2001 *Draft Report: Archaeological Investigations for the Defense Environmental Restoration Program at Formerly Used Defense Sites (DERP/FUDS) PCB Clean-up, Phase III at Tanapag Village, Island of Saipan, Commonwealth of the Northern Mariana Islands* (with P. Cleghorn and J. McIntosh). Prepared for Wil Chee Planning, Inc., Honolulu and submitted to the U.S. Army Corps of Engineers, Hawaii.
- 2001 *Final Report: Archaeological and Ethnographic Investigations at the Tanapag Fuel Farm, Tanapag Village, Saipan, Commonwealth of the Northern Mariana Islands* (with P. Cleghorn, J. McIntosh, and U. Prasad). Prepared for Wil Chee Planning, Inc., Honolulu, prepared by Ogden Environmental and Energy Services Co., Inc., and submitted to the U.S. Army Corps of Engineers, Pacific Ocean Division, Hawaii.
- 2000 *Archaeological Data Recovery Report for the Proposed Ta'u Road Construction at Faga and Fitiuta, Ta'u Island, Manu'a, American Samoa* (with P. Cleghorn, J. Robbins and D. Latinis). Prepared by Scientific Consultant Services / Cultural Resources Management Services, Inc., Honolulu, and prepared for the U.S. Army Corps of Engineers, Pacific Ocean Division, Hawaii.
- 2000 *Final Report, Phase II Archaeological Investigations at CA-LAK-1883 Near Clearlake Oaks, Lake County, California* (with R. Jackson, L. Shapiro and H. Price). Prepared for California Department of Transportation, District 3.
- 1999 *Report of Archaeological Investigations at the Edoni Site, Edoni, I Agag, Saipan, Commonwealth of the Northern Mariana Islands* (with P. Cleghorn and J. McIntosh). Draft report prepared for Wil Chee Planning, Inc., Honolulu and submitted to the U.S. Army Corps of Engineers, Pacific Ocean Division, Hawaii.
- 1997 *Final Report of an Archaeological Surface Survey for the Ta'u Road Between Lepule and Avatele Cove, Ta'u, Manu'a Islands, American Samoa* (with P. Cleghorn and L. Shapiro). Prepared for the American Samoa Power Authority, Pago Pago, American Samoa.
- 1995 *Redleg Trail Archaeological Investigations for the Legacy Resource Management Program at Pohakuloa Training Area, Hawaii Island, Hawaii* (with P. Cleghorn and L. Shapiro). Submitted to the U.S. Army Corps of Engineers, Pacific Division.
- 1995 "Of Passing Interest": Heritage Resources of the Northumberland Mine Land Exchange, Nye County, Nevada (with R. Jackson and L. Shapiro). Submitted to Western States Minerals Corporation and Environmental Management Services Company.
- 1995 *Archaeological Investigations of the Hanalei national Wildlife Refuge, Hanalei, Island of Kauai, Hawaii* (with L. Shapiro). Submitted to the U.S. Department of the Interior, Fish and Wildlife Service.

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- 1995 Final Report for the Archaeological Investigation of the Wiegand Property, Dixon, California (with K. Tremaine). Submitted to Lewis Homes of California.
- 1987 "Age, Abstract Thinking, and the American Concept of Person." (co-author). *American Anthropologist*, Vol. 89(3), September 1987.

Additional Publications Author, co-author and contributor to numerous (100+) cultural resource management reports for local, state, and federal compliance.

Professional Affiliations & Memberships Register of Professional Archaeologists
Society for American Archaeology
Society for California Archaeology
Society for Hawaiian Archaeology

Professional Achievements Received a certificate in cultural resource management from CSU, Chico and periodically attends Section 106 training sessions to keep current with latest revisions and updates.

Other Interests History, Museums, Art and Traveling

- Professional References
- Ms. Sarah Allred Archaeologist, California Department of Transportation, North Region Office of Environmental Management, MS-15, 2389 Gateway Oaks Drive, Sacramento, CA 95833. Phone Number: (916) 274-0578.
- Ms. Patti Johnson Archaeologist, U.S. Army Corps of Engineers, Sacramento District, 1325 J Street, Sacramento, CA 95814-2922. Phone Number: (916) 557-6611.
- Mr. Charles Streck Archaeologist, U.S. Army Corps of Engineers, Honolulu District, Building 230. Ft. Shafter, HI 95814-2922. Phone Number: (808) 438-6934

Jessica B. Feldman
Cultural Resource Specialist

Education

Cornell University, College of Architecture, Art and Planning, Ithaca, NY
Masters of Arts in Historic Preservation Planning, January 2001
William Smith College, Geneva, NY
Bachelor of Arts in History, Minor in Art/Architecture, June 1993

Distinguishing Qualifications

- Qualified as a historian, an architectural historian, and a historic preservationist under the Secretary of the Interior's Historic Preservation Professional Qualification Standards, as defined in 36 Code of Federal Regulations (CFR) 61.
- Experienced in cultural resource investigations in compliance with the National Environmental Policy Act (NEPA), the National Historic Preservation Act (NHPA), and a variety of other federal cultural resource regulations.
- Specializes in the analysis and preservation of historic bridges.

Relevant Experience

Ms. Feldman is a cultural resource specialist with more than 9 years of experience in compliance with federal, state, and local laws relating to cultural and community resources and land use planning. Ms. Feldman has been extensively involved in the management of and participation in cultural resource investigations in compliance with the National Environmental Policy Act (NEPA), the National Historic Preservation Act (NHPA), and a variety of other federal, state, and local cultural resource regulations.

Representative Projects and Dates of Involvement

Experience Prior to CH2M HILL

Architectural Historian; Jones & Stokes (formerly Myra L. Frank and Associates); November 2000 to June 2006. Preparation of Section 106 documents in support of the EIS for the Dallas Area Rapid Transit (DART) NW alignments and Mid-Jordan Light Rail (Salt Lake City, Utah); preparation of historic bridge evaluations for Caltrans in support of Historic Property Survey Reports and Finding of Effect Reports, used as basis for EIRs, for Los Angeles, Riverside, San Bernardino and Madera Counties; preparation of National Register nominations for GSA-owned Courthouses/Post Offices throughout the United States; preparation of HABS/HAER level data forms for properties in the City of Long Beach; historical assessments and CEQA-level effects analysis for public and private properties in the Cities of West Hollywood, Los Angeles, Long Beach; and peer review. Past responsibilities include: directed a survey team for the Caltrans state-wide historic bridge inventory update; led an intensive architectural survey for the City of Riverside of over 1300 parcels in the downtown area which led to the preparation of determinations of eligibility and historic property inventory forms; surveyed proposed Historic Preservation Overlay Zones for the City of Los Angeles to determine contributing and non-contributing buildings; and conducted historical documentation and evaluation of state-owned buildings in Sacramento, Los Angeles and Marysville resulting in environmental analysis of those structures in anticipation of seismic retrofitting, and/or other proposed alterations.

Architectural Historian/Lead LCS Historian; National Park Service, National Capital Region; February 1996 to July 1998 and May 1999 to August 1999.

Responsible for editing and maintaining regional historic structures database; identified, monitored and evaluated cultural resources at regional parks, including Rock Creek Park and Harpers Ferry National Historical Parks; advised park management on treatment of cultural resources; identified potential threats to structures; planned and conducted historical research to be used for park planning documents and Section 110 review; provided peer review for NPS and non-NPS historical studies; supervised seasonal employees and interns; made contributions to the preparation of historic preservation documentation; conducted intensive survey of and compiled background materials on 19th century homestead and cemetery sites at Prince William Forest Park; made presentations to park staff and public organizations on research results, beta-tested new historic structures database for entire national park system (summer 1999).

Professional Organizations/Affiliations

National Trust for Historic Preservation
California Preservation Foundation
Society for Architectural Historians/Southern California Chapter

Professional Development

"Preservation of Historic Bridges." 2004. American Society of Civil Engineers.
"Determining Eligibility Workshop." 2003. California Preservation Foundation.
"CEQA and Historic Resources." 2003, California Preservation Foundation.
"Section 106 – National Historic Preservation Act: Federal Law at the Local Level." 2002. UCLA Extension.
"Mitigating Environmental Impacts: Law, Policy, and Practice." 2001. UCLA Extension.
"Successful CEQA Compliance." 2000. UCLA Extension.

Supplemental Information

CH2M HILL Hire Date: 06/2006
Years of Experience Prior to CH2M HILL: 9