

Appendix 5.3D
Personnel Resumes

Matt C. Bischoff

Historian/Cultural Resources Specialist

Education:

- Master of Arts in History and Historical Archaeology, University of Nevada, Reno, 1993
- Bachelor of Arts in History and Geology, University of California, Davis, 1991

Experience Summary:

Mr. Bischoff has more than 15 years of experience in history, historical archaeology, historic architecture, and cultural resources management. He is currently the cultural resources manager (Historian III) for the Monterey District of the California State Parks Department. His responsibilities include the historical, archaeological, and museum resources across the Monterey District territory, which includes Monterey, San Benito, and Santa Clara Counties. Mr. Bischoff has worked as a historian, architectural historian, and historical archaeologist in many western states, including Nevada, Arizona, New Mexico, Utah, and many regions of California. His professional interests include military history, historic architecture, mining, transportation, Native American history.

Relevant Experience:

2007-Historian III, California Department of Parks and Recreation, Monterey

Currently serving as the Cultural Resources Manager and Supervisory Historian at the Monterey District of California State Parks. Manage and oversee the District's Cultural Resources Program, which includes all historical, archaeological and museum resources throughout District territory (Monterey, San Benito, and Santa Clara Counties). Work with staff, volunteers, cooperating associations, other agencies, and the general public to ensure appropriate treatment of a wide variety of cultural resources including historic buildings, archaeological sites, historic landscapes, and museum collections.

2005-2007 Historian II, California Department of Parks and Recreation, Sacramento

Served as a historian with the Northern Service Center in Sacramento. Worked on a variety of service center and district projects throughout California, including Major and Minor Capital Outlay, Deferred Maintenance, Stewardship, and Special Projects. Completed archival research, field documentation, oral history interviews, archaeological excavations, resource evaluation, and other work. Wrote reports, provided guidelines, developed mitigation, and maintained records.

2001-2005 Historian II, California Department of Parks and Recreation, Monterey

Served as a historian with the Central Service Center in Monterey. Worked as a part of an interdisciplinary team to provide support to districts and individual park units. Duties included serving on General Plan teams, project review for CEQA, conducting archival research, evaluating cultural resources, writing reports, developing management guidelines and procedures, managing historic preservation contracts, and interacting with the public.

1996-2001 Architectural Historian/Historian, Statistical Research, Inc.

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Served as a project director on numerous historic resource management projects throughout the West. Performed documentation and evaluation of diverse architectural resources ranging from multi-component historic districts to individual, utilitarian structures. As a part of these projects, tasks included the development of historic contexts, recordation of resources through drawings and photographs, and the completion of HABS/HAER as well as NRHP forms. Duties also included performing archival research, conducting oral histories, interacting with the public, and writing technical reports.

1995-1996 Architectural Historian/Historical Archaeologist. William Manley Consulting

Served as project manager on varied historic preservation contracts. Projects predominantly consisted of architectural documentation and evaluations of resources ranging from large military facilities to individual houses. Duties included archival research, oral history, archaeological field investigations, writing technical reports, as well as supervision of crew and project resources. Projects involved CEQA and NRHP documentation and evaluation of historic and prehistoric resources.

1994-1995 Historian/Historical Archaeologist, Computer Sciences Corporation

Acted as project leader on several cultural resource management projects. Led and participated in field surveys, testing and data recovery excavations, archival research, oral histories, and architectural documentation and evaluation. Architectural resources consisted of diverse military and civilian structures on Edwards Air Force Base, California.

Professional Affiliations:

- Association for Preservation Technology
- National Trust for Historic Preservation
- Society for Industrial Archaeology

Publications:

2009 *The Desert Training Center/California-Arizona Maneuver Area, 1942-1944: Volume II, Arizona.* University of Arizona Press and SRI Press, Tucson. In Press.

2005 *Life in the Past Lane: The Route 66 Experience: U.S. Highway 66 Historic Transportation Corridor in California.* Two Volumes. University of Arizona Press and SRI Press, Tucson.

2001 *Touring New Mexico Hot Springs.* Globe-Pequot Press, Helena MT.

2000 *The Desert Training Center/California-Arizona Maneuver Area, 1942-1944.* University of Arizona Press and SRI Press, Tucson.

“History and Historical Archaeology” In *Of Stones and Spirits: Pursuing the Past of Antelope Hill.* Edited by Joan S. Schneider and Jeffrey H. Altschul. University of Arizona Press and SRI Press, Tucson.

1999 *Touring Arizona Hot Springs.* Falcon Press, Helena MT.

1997 *Touring California and Nevada Hot Springs.* Falcon Press, Helena MT.

"The Historiography of American Slavery." In *Encyclopedia of World Slavery.* Eureka

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College, Eureka, Ill.

"Euro-American History, 1542 to present" (with John R. Welch). In *Vanishing River: Landscapes and Lives of the Lower Verde Valley. The Lower Verde Archaeological Project: Overview, Synthesis, and Conclusions*. SRI Press.

1994 "Aspects of Punishment: Indian Removal in Nevada." *Nevada Historical Society Journal*, Reno, NV. Winter.

Selected Consulting Reports:

2007

Historic Resource Evaluation Report: High Sierra Crossings Museum, Donner Memorial State Park, Nevada County, California. Identification, recordation, and evaluation of historic resources in support of new museum construction. Resources consisted of historical period archaeological sites including the National Historic Landmark site of the Murphy, Graves, and Breen Cabin, as well historic roads and architectural resources.

2006

Historic Resource Evaluation Report: Gaviota Coastal Trail Project, Gaviota State Park, Santa Barbara, California. Section 106 compliance consisting of archival research, field documentation, archaeological fieldwork, and resource evaluations. Submitted to California Department of Transportation, San Luis Obispo.

2005

Historic Structures Report: The Brick Ruins of Shasta City. Shasta State Historic Park, California. Field investigation, archival research, and conditions assessment of numerous brick buildings in the historic town of Shasta, California.

Ano Nuevo Island Light Station: Documentation of the Light Station Complex, Ano Nuevo Island, Ano Nuevo State Reserve, San Mateo County, California. Building documentation, archival research, and field investigation of an abandoned light station.

Historic Structure Report: The Mohawk Stamp Mill. Plumas Eureka State Park, California. Building documentation, archival research, and conditions assessment of a large timber frame structure in the Sierra Nevada Mountains.

2004

Archaeological Survey Report and Extended Phase I Excavation Proposal for the Gaviota Coastal Trail, Gaviota State Park, Santa Barbara County, California. With Herb Dallas. Archaeological survey, historical research, and field recordation for 2.5 miles of proposed multi-purpose trail in Gaviota State Park. California State Parks, Central Service Center, Monterey.

Robert P. Mills' Spanishtown Ranch. Historic Landscape Study for the Burleigh H. Murray Ranch State Park, San Mateo County, California. Archival research, oral history, field recordation, architectural evaluation, and management plan for the Burleigh Murray Ranch near Half Moon Bay, California. California State Parks, Central Service Center, Monterey.

Historic Structure Report: The Creamery Building, Ano Nuevo State Reserve. Architectural

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documentation, evaluation, and treatment recommendations for a ca. 1870 building in the San Mateo County coastal area. California State Parks, Central Service Center, Monterey.

The Work of the Civilian Conservation Corps at Mt. Diablo State Park: Road Drainage Features Constructed in the late 1930s. Mt. Diablo State Park Road Improvement Project, Historic Resource Inventory. Documentation and evaluation of 144 historic stone masonry drainage features on Mt. Diablo's three main roads. California State Parks, Central Service Center, Monterey.

2003

A Naval Missile Tracking Facility: National Register of Historic Places Evaluation for Navy-owned Architectural Resources on Santa Cruz Island. Documentation and National Register Evaluation of Cold War facilities on Santa Cruz Island for Naval Air Weapons Station, Point Mugu, California.

The Route 66 Experience: Historic Context and Management Plan for the Route 66 Corridor in California. Development of historic context, resource inventory, and management guidelines for the Route 66 historic transportation corridor in California for the Bureau of Land Management, Riverside, California.

2002

A Class III Cultural Resources Inventory in the Caballo Reservoir Pool Area, Sierra County, New Mexico. Archival research, archaeological survey, and field recordation for the Bureau of Reclamation's Caballo Reservoir. Statistical Research, Inc. With Robert Wegener.

2001

Historic Study Report for CA-MER-381/H: The Athlone Townsite and Other Historic Elements of the Deadman Site (CA-MER-381). Archival research, oral history, and archaeological recordation for California Department of Transportation's Merced 99 Freeway conversion. Statistical Research, Inc. With Teresita Majewski.

Cultural Resources Evaluation of All Nations Camp, Los Angeles County, California. Architectural documentation and evaluation of a YMCA in the Angeles National Forest. Statistical Research, Inc.

Reclamation and Water Conveyance in the Middle Rio Grande Valley, 1888-1998. Historic American Engineering Record (HAER) of the Bureau of Reclamation's Low Flow Conveyance Channel, Middle Rio Grande River, New Mexico.

The Brookside-Vache Winery: Architectural Evaluation and Archaeological Testing at a Nineteenth Century Winery in Redlands, California. Statistical Research, Inc. With Matthew Sterner.

A Class III Cultural Resources Inventory and Evaluation of the Proposed Hot Weather Test Complex (HWTC), Yuma Proving Ground, Arizona. Archival research and field investigation for a proposed facility at the Army's Yuma Proving Ground in Arizona. Statistical Research, Inc. With John Douglas, Benjamin Vargas, Edgar Huber, and Jeffrey Altschul.

Class III Cultural Resources Inventory of the Proposed Countermine Facility Extension, Kofa

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Firing Range, Yuma Proving Ground, Arizona. Archival research and field investigation for a proposed facility at the Army's Yuma Proving Ground in Arizona. Statistical Research, Inc. With Robert Wegener.

2000

Archaeological Research Design for the Northeastern Great Basin. In-depth archival and field research in support of Hill Air Force Base in Utah. Utilizing a historic landscape approach, the research design covered western Utah and eastern Nevada. With Joseph A. Ezzo, Teresita Majewski, Robert M. Wegener, and Stephanie M. Whittlesey.

A Cultural Resources Overview of the International Boundary Segment of the Lower Colorado River, Yuma County, Arizona. With Matthew Sterner. Historic overview and archaeological investigations of a broad area of southwestern Arizona. Prepared for the U.S. Army Corps of Engineers, Los Angeles District.

Foragers and Ranchers in the Western Papagueria. Archaeological inventory and evaluation, along with historical research and oral history interviews for active target ranges and roads in the U.S. Air Force's Barry M. Goldwater Range in southwestern Arizona. With Rein Vanderpot and Jeffrey H. Altschul.

The Canals of Carlsbad: Historical and Archaeological Evaluation of the Carlsbad Irrigation District Distribution System. A complex irrigation system consisting of over 300 miles of canals and laterals was documented and evaluated for designation as a National Historic Landmark, located in southeastern New Mexico. With Scott O'Mack and Amanda Gronhovd.

Historic Documentation and Evaluation of Camp Coulter Pines, Los Angeles County, California. Architectural evaluation and documentation of a camp in the San Bernardino Mountains for possible inclusion in a historic district.

Cultural Resources Survey for the Bisbee-Douglas International Airport Expansion, Cochise County, Arizona. Architectural and archaeological evaluation of an airport dating to the World War II period, including several disparate building types.

1999

National Register of Historic Places Evaluation of Site AZ EE:1:285 (ASM) for the Madera Highlands Development, Pima County, Arizona. Evaluation and documentation of an archaeological site for a proposed housing development. With Edgar K. Huber.

An Architectural Survey of U.S. Army Proving Ground, Arizona. Building documentation and evaluation of military post in southwestern Arizona. Report to serve as baseline for future planning and activities at the installation.

Documentation and Evaluation of the Blanco Wash Bridge, Pima County, Arizona. In *A Cultural Resources Survey of the Interstate 10 Right-of-Way from Kino Boulevard to Valencia Road, Pima County, Arizona.* Documentation and NRHP evaluation of a steel pony truss bridge in rural Pima County, Arizona. With William Deaver and Kristy Ratliff.

The Desert Training Center and California - Arizona Maneuver Area, 1942-1944. Historical and Archaeological Context. Prepared for the California Desert District, Bureau of Land

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Management. Project involved the development of a historic context and archaeological evaluation for a diverse and immense historical landscape. Products also included a National Register of Historic Places Multiple Property Submission packet for the entire facility, as well as a nomination for one of its eligible resources.

An Historic Water Control Feature Near Bryn Mawr, California: Archaeological Investigations at CA-SBR 9861H. With Benjamin Vargas and Donn R. Grenda. Archival research and oral history into the early water control systems in San Bernardino County, California

Heritage Overview of the Piedmont of the Sierra Ancha, Sierra Ancha, and Cherry Creek Geographic Study Areas. Prepared for the Payson, Pleasant Valley, and Tonto Ranger Districts, Tonto National Forest. Compiled by Richard Ciolek-Torrello.

Class III Cultural Resources Inventory of the New Countermine Facility, Kofa Firing Range, Yuma Proving Ground, Arizona. With Edgar K. Huber and Charles Riggs. Archival research and archaeological survey

Patterns in the Pavement: A Class III Cultural Resources Inventory and Evaluation of the Extended Combat Systems Maneuver Area, Kofa Firing Range, Yuma Proving Ground, Arizona. With Rein Vanderpot, Jeffrey Altschul, Gabrielle Duff, S. Gregg Johnson, Scott O'Mack, Teresita Majewski, Charles Riggs, Sharon Rushing, Anne Stoll, and Christian Vermeer.

1998

Historic American Engineering Record: Written and Descriptive Data and Photographs for HAER No. CA-225-A, Hangar Shed No. 4, Barstow-Daggett Airport, Daggett, California. HAER-level documentation and historical research for aircraft modification building at the Barstow-Daggett Airport, San Bernardino County, California. With David DeVries.

Determination of Eligibility and Historic Documentation for Building 66050, Fort Huachuca, Arizona. Historical documentation and eligibility evaluation for World War II -era officer's club at Fort Huachuca, Arizona.

Historic Building Documentation and Evaluation for 26 Structures at Fort Huachuca, Arizona. Architectural documentation and evaluation, including HABS, for a variety of building types for the U.S. Army's Fort Huachuca, Arizona.

Historic American Building Survey: Written Historical and Descriptive Data and Photographs for HABS No. AZ-210-A, Cavalry Stable (Building 30023), USAG Fort Huachuca, Arizona. HABS-level documentation and historical research for one building at Fort Huachuca, Arizona. With David DeVries and Andrea Urbas.

Parker Dam Government Camp: Historic Context and Evaluation. Archival research and documentation in support of a historic context for a dam complex, including an extensive housing facility. Evaluations for National Register of Historic Places eligibility were also provided.

Class III Cultural Resources Inventory and Evaluation of Phase II Dredge Spoil Disposal Areas, Yuma County, Arizona. Archival research in conjunction with archaeological survey of several, varied locations in Yuma County, Arizona. With Matthew Sterner.

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Archaeological Recovery of Historic Graves at Castaic, Los Angeles County, California. Historical research and archaeological excavation for five historic burials. With David Maxwell, Kathleen Bergin, and Deborah Gray.

Homesteading and Ranching on Fort Huachuca's East Range. National Register of Historic Places Evaluations for three historic ranching sites at Fort Huachuca. Project involved archival research, oral history, and archaeological data recovery. With Matthew A. Sterner, Teresita Majewski, Jeffrey H. Altschul, and Robert P. Jones.

Class II Cultural Resources Inventory and Evaluation of the Dredge Spoil Site, Imperial County, California. Archival research in conjunction with archaeological survey of several, varied locations in Imperial County, California. With Edgar Huber, Jeffrey Altschul, Matthew Sterner, David Ferraro, and Michael Hogan.

1997

Historic Accounts of Natural Resources on San Nicolas Island. Archival research of primary records, and synthesis of material for San Nicolas Island. Prepared for the U.S. Army Corps of Engineers and the U.S. Navy.

A Class I Cultural Resources Inventory of 35 Miles along the Colorado River, from East of Yuma to the International Border. Prepared for the Bureau of Reclamation. With Matthew Sterner.

Archaeological Data Recovery at the Wellton-Mohawk Irrigation and Drainage District Quarry at Antelope Hill, Yuma County, Arizona. Historical research and archaeological investigation at a multi-component site in western Arizona. With Joan Schneider, Jeffrey Altschul, and Christopher Doolittle.

Data Recovery at the Slash Z Ranch Site and Three Associated Sites. Historical research, oral history, and archaeological data recovery for a homestead in southern Arizona. With Teresita Majewski and Matthew Sterner.

1996

Historical and Architectural Eligibility Survey of Air Force Plant PJKS, Denver, Colorado. Survey and National Register assessment of government owned, contractor operated (GOCO) facility. With William Manley and Joseph Trnka.

Historical and Architectural Eligibility Survey of Air Force Plant 3, Tulsa, Oklahoma. Survey and National Register assessment of government owned, contractor operated (GOCO) facility. With William Manley and Joseph Trnka.

An Archaeological Survey of Portions of the J. Paul Getty Museum Property, Malibu California, to be Affected by upcoming Construction Activities. Pedestrian survey and archival research for various portions of the Getty Villa, Malibu, California.

Native American Graves Protection and Repatriation Act (NAGPRA) Compliance, Results of Record Searches in Arizona, California, and Nevada for three U.S. Army Corps of Engineers Districts. NAGPRA compliance consultation for the U. S. Army Corps of Engineers. With

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Matthew Sterner.

1995

Historic and Architectural Eligibility Survey and Special Cold War History Study of March Air Force Base, California. Base-wide National Register evaluations and architectural evaluations. With William Manley and Joseph Trnka.

Cultural Resources Inventory and HARP Plan for Marine Corps Logistics Base, Barstow, California. Survey and National Register assessment for 6-year planning guide for eligible properties. With William Manley and Sue Wade.

Research Design for Testing Phase of HARP Plan for Naval Air Station Miramar, California. Research design for testing of 10 historic and 4 prehistoric sites. With William Manley and Martin Rosen.

Cultural Resources Inventory and HARP Plan for Naval Air Station Miramar, California. Survey and National Register assessments for 6-year planning guide for eligible properties. With William Manley.

Compliance Support for the Community of Muroc and the Pancho Barnes Ranch Site, Edwards Air Force Base, California. Consultation and compliance with sections 106 and 110 of the National Historic Preservation Act. Planning guide and protective measures for two complex historical archaeological sites on Edwards Air Force Base, California. With Jan Lawson.

1994

Cultural Resources Survey of the U.S. Coast Guard Group San Diego and Air Station, San Diego, California. National Register evaluations of seaplane facilities and associated structures. With William Manley.

Cultural Resource Evaluation of the North Base Complex (The Muroc Flight Test Base and the Rocket Sled Test Track), Edwards Air Force Base, California. Archival research, oral history, and field research for a Legacy Program documentation of a historic archaeological and architectural site on Edwards Air Force Base, California. With Jan Lawson and Scott Hudlow.

The Muroc Community Inventory, Evaluation, and Oral History, Edwards Air Force Base, California. Archival and oral history research for a Legacy Program documentation of an historic archaeological site on Edwards Air Force Base, California. With Scott Hudlow.

Research Design for Compliance Support of the Community of Muroc and the Pancho Barnes Ranch Site, Edwards Air Force Base, California. Research design for excavation, data recovery, and resource management of two historic archaeological sites on Edwards Air Force Base, California. With Jan Lawson.

The Legacy of Pancho Barnes, Oral History Study, Edwards Air Force Base, California. Oral history and field research for a historic archaeological site on Edwards Air Force Base, California. With Jan Lawson.

Historic and Architectural Assessments of Buildings 121, 127, and 190; Former San Diego Quarantine Station. National Register evaluations and architectural planning guide for three buildings at Naval Command and Control Ocean Surveillance Center, Naval Research and

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Development, Point Loma, California. With William Manley.

Historic and Archaeological Resource Protection Plan for Naval Amphibious Base, Coronado, California. National Register assessments and 6-year planning guide for eligible properties.
With William Manley.

Aaron Fergusson, R.P.A.

Archaeologist

Education

M.B.A, Business Administration, University of Phoenix, Las Vegas, NV Campus, 2004

M.A., Anthropology with an emphasis in Archaeology, Brigham Young University, UT, 2000

B.A., Anthropology with an emphasis in Archaeology, Brigham Young University, UT, 1996

Professional Registrations

Registered Professional Archaeologist (2000)

Relevant Experience

Mr. Fergusson has more than 12 years of experience in archaeology and cultural resources management. He has served as Project Manager and Field Director for large number of cultural resources management projects involving compliance with the National Historic Preservation Act (NHPA) and National Environmental Policy Act (NEPA). Aaron has lead cultural resources field inventories for projects in California, Nevada, Utah, Colorado, Wyoming, New Mexico, Arizona, Idaho, and Texas.

Representative Projects

Field Supervisor; Ivanpah Solar Energy Project; Bright Source Energy; San Bernadino County, CA. Served as the cultural resources technical lead and field team leader for field surveys of more than 4,000 acres for a proposed 400 MW solar generation facility. Selected and supervised field personnel and managed logistic for the field survey and prepared portions of the cultural resources technical report and California Energy Commission Application for Certification. Assisted in consultations with U.S. Bureau of Land Management and California Energy Commission.

Task Manager; Naviska Project; SWTC; Pima and Pinal Counties, AZ. Conducted a cultural resources pedestrian survey for the proposed Naviska substation and a 14 mile transmission corridor. This transmission corridor crosses through a large Hohokam site complex consisting of platform mounds, agricultural fields, village sites, and remote processing sites. Prepared the final technical report submitted to the Arizona State Historic Preservation Office.

Task Manager; Blundell 3 Geothermal Project; PacifiCorp and Rocky Mountain Power; Beaver County, UT. Served as the task lead to conduct pedestrian inventories of 10 five acre well pad locations, access roads, pipelines, and a 26-mile-long transmission line. Recorded sites and worked with BLM on evaluating significant cultural resources associated with a prehistoric lithic quarry. Prepared the cultural resources sections of the associated Environmental Assessment.

Task Manager; Dave Johnston Power Plant; PacifiCorp; Converse County, WY. Served as the cultural resources task manager to conduct pedestrian cultural resources survey of proposed modifications at the historic Dave Johnston Power Plant. Prepared the technical report which was submitted to the Wyoming SHPO.

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Task Manager; 5,000 Agent Initiative; US Customs and Border Protection; Texas and New Mexico. Conducted cultural resources assessments and pedestrian inventories for 10 proposed border patrol stations in Texas and New Mexico. Prepared technical reports to submit to regulatory agencies, assisted in Native American consultation, and prepared the cultural resources sections for the EA.

Task Manager; Milford Wind Generation Project; FirstWind; Millard and Beaver Counties, UT. Served as the task lead to oversee the subcontractors hired to conduct pedestrian inventories of over 5,000 acres for a proposed wind generation site and a 90+ mile transmission line. Worked with BLM in development of a project specific Programmatic Agreement. Prepared the cultural resources sections of the associated Environmental Assessment.

Task Manager; Echo Springs Gas Plant; Williams; Carbon County, WY. Served as the cultural resources task manager to conduct pedestrian cultural resources survey of proposed 10 acre laydown area. Prepared the technical report which was submitted to the Wyoming SHPO.

Task Manager; Windstar Substation; PacifiCorp; Converse County, WY. Served as the cultural resources task manager to conduct pedestrian cultural resources survey of the proposed 16 acre substation location, access road, and transmission line corridor. Prepared the technical report which was submitted to the Wyoming SHPO.

Task Manager; West Frenchie Draw Amine Plant; Kinder Morgan Upstream; Fremont County, WY . Served as the cultural resources task manager to conduct pedestrian cultural resources survey of the proposed 13-acre plant and associated pipeline. Prepared the technical report which was submitted to the Wyoming SHPO.

Experience Prior to CH2M HILL

Task Manager; AEC Programmatic Agreement Review; U.S. Army Environmental Center. Reviewed the Programmatic Agreements that have been prepared through the Army Environmental Center for installations located throughout the country. The task was to review the comments and identify patterns of issues that continuously make the documents technically or legally insufficient.

Task Manager; March Air Force Base Programmatic Agreement; U.S. Air Force Real Property Agency; Sacramento, CA. March AFB was realigned/closed in 1996 pursuant to the Defense Base Realignment and Closure Act of 1990. The Air Force Reserve Command retained a cantonment area, and the Air Force Real Property Agency (AFRPA) is in the process of conveying the remainder of the property to the local community and needs to complete consultation requirements under Section 106 of the National Historic Preservation Act before it can be transferred. The Air Force initiated consultation with the Californian SPHO, the March Joint Powers Authority, and the City of Riverside, California in the preparation of a Programmatic Agreement (PA) to ensure no adverse effects to historic properties will occur. Mr. Fergusson participated in the initial consultation meetings between the AFRPA and the California SHPO. In addition, he updated the PA to reflect recent changes in the requirements and drafted letters requesting the participation of the Advisory Council on Historic Preservation and the relevant Native American tribes.

Assistant Project Manager; Price Field Office Resource Management Plan/EIS, Bureau of Land Management Price Field Office; Price, UT. Mr. Fergusson served as assistant project

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manager responsible for planning and delegating hours, tracking the budgets of each task, preparing the monthly status report to the client, and preparing the invoice. In addition, Mr. Fergusson managed the schedule to meet deliverables to the client and kept team members informed of the progress. In a technical position, Mr. Fergusson oversaw the cultural resources sections of the document and authored Chapter 2 of the Final EIS.

Task Manager; Kanab Field Office Resource Management Plan/Environmental Impact Statement; Bureau of Land Management Kanab Field Office; Kanab, UT. Mr. Fergusson developed the cultural resources section of the Analysis of the Management Situation for the RMP/EIS. Conducted a file search with the SHPO and summarized the results and integrated the results of a literature review for the document.

Project Manager; Southern Nevada Regional Heliport Environmental Assessment; Ricondo & Associates (Prime contractor to Clark County Department of Aviation); Las Vegas, NV. Mr. Fergusson worked with another contractor on the development of the Environmental Assessment for the identification of the preferred location of the regional heliport. Mr. Fergusson managed portions of the initial feasibility studies as well as the cultural resources (Section 4f) issues.

Task Manager; Desert National Wildlife Refuge Complex Comprehensive Conservation Plan/Environmental Impact Statement; U.S. Fish and Wildlife Service; Las Vegas, NV. Mr. Fergusson served as the Cultural Resources technical lead in the preparation of a cultural resources overview and synthesis of the known archaeological data for the over 1.5 million acre Complex. The document reviewed the existing archaeological data, identified archaeological and historic themes that are common on the Complex, and made management recommendations regarding the needs for future data gathering, and created a context for the evaluation of future cultural resources on the Complex. The project also required the creation of a GIS database that contained the location of, and information about, every cultural resource within the Complex. In addition, Mr. Fergusson assisted the staff with the Native American consultation that included the seventeen tribes that make up the Consolidated Group of Tribal Organizations in southern Nevada.

Project Manager; Lassen Volcanic National Park and Whiskeytown National Recreation Area Pre-Burn Surveys; U.S. Park Service Northern California Sub-Cluster of Parks. Managed the cultural resources inventory of highly sensitive areas of Lassen Volcanic National Park and the Whiskeytown National Recreation Area prior to the controlled burning of overgrowth of the forest. Managed the technical aspects of the project and supervised the report preparation.

Project Manager; Death Valley National Park Cultural Resources Overview; U.S. Park Service Death Valley NP; 2003-2004. Worked with another contractor to manage and lead the preparation of the Cultural Resources Overview for Death Valley National Park. Worked closely with the Park Service archaeologist to use their database and developed the historic resources section of the document.

Project Manager; Clark County Regional Flood Control District EIS; Clark County Regional Flood Control District; Las Vegas, NV. Mr. Fergusson managed the cultural resources needs for the final document and served as Project Manager over the final phases of the project, including the preparation of a web-based GIS tool allowing for the preparation of basic environmental documents for flood control facilities.

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Project Manager; Summerlin Village Cultural Resources Survey; G.C. Wallace (Prime contractor to Howard Hughes Corporation); Las Vegas, NV. Mr. Fergusson managed the cultural resources survey of 5,000 acres of undeveloped land on the west side of the Las Vegas Valley. Upon completion the report was successfully submitted to the Army Corps of Engineers and the Nevada State Historic Preservation Office. As a result of the inventory, it was determined the additional Native American consultation was required as well as a treatment plan to mitigate adverse impacts to cultural resources from the planned development.

Project Manager; Kern River 2003 Expansion Project; Kern River Gas Transmission Company; Utah (statewide). Mr. Fergusson managed the Kern River cultural resources mitigation project in Utah. Kern River Gas Transmission Company found it necessary to loop an existing natural gas line with a new 36 inch natural gas pipeline to fuel new power plants in California. The pipeline began in Wyoming and stretched nearly 700 miles to California, crossing Utah and Nevada. Utah contained over 160 significant archaeological sites that required mitigation. Mr. Fergusson successfully negotiated a multi-million dollar budget, carried out the fieldwork on time and under budget, and supervised the lab work and report production. Elements of the mitigation included excavation, construction monitoring, reconnaissance inventory of new work areas, synthesis reports, popular reports for public distribution, specialized archaeological analyses of artifacts, and numerous technical reports and presentations.

Project Manager; Manning Canyon Inventory; Bureau of Land Management Salt Lake Field Office; Utah County, UT. Mr. Fergusson successfully bid and managed the Manning Canyon Cultural Resources Inventory project through the Salt Lake Field office of the BLM. Mr. Fergusson lead the effort to inventory the property, make management suggestions to the BLM on the preservation or mitigation of significant cultural resources, and produce the final report, which was approved by both the BLM and the Utah State Historic Preservation Office.

Project Manager; Rough Haul Road Inventory; Ageiss Environmental (Prime contractor to U.S. Army Dugway Proving Ground); Tooele County, Utah. Managed the Class III inventory of a 13 mile road corridor used for training on base.

Project Manager; Granite Cross Country Maneuver Area; Ageiss Environmental (Prime contractor to U.S. Army Dugway Proving Ground); Tooele County, Utah; 2001. Managed the Class III inventory of 3,050 acres for a proposed maneuver area.

Project Manager; White Lakes Water Line; C Bar Cattle Company; Box Elder County, Utah; 2001. Managed and conducted the Class III inventory of 80 miles of water pipeline, and participated in consultation with local government and interested parties.

Project Manager; UDOT Two Intersections; Utah Department of Transportation Region 4; Garfield and Sevier Counties, Utah; 2001. Oversaw and conducted the Class III inventory and testing of eligibility of sites for proposed intersection upgrades.

Project Manager; SR 6 Passing Lanes; Utah Department of Transportation Region 4; Carbon and Emery Counties Utah; 2001. Oversaw and conducted the Class III inventory for proposed passing lanes on SR 6.

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Project Manager; Various Fiber Optic Projects; South Central Communications; Garfield, Paiute, and Sevier Counties, Utah; 2001. Oversaw and conducted the Class III inventory for several proposed fiber optic lines on UDOT, SITLA, and private lands.

Professional Organizations/Affiliations

Register of Professional Archaeologists (RPA)

Member, Society of American Archaeology (SAA)

Employment History

CH2M HILL, Salt Lake City, Utah, Project Planner, 2007. Cultural Resources Specialist responsible for all aspects of cultural resource investigations and Section 106 consultation, including field surveys, document preparation and review, Native American consultation, and environmental documentation and compliance.

Booz Allen Hamilton, Salt Lake City, Utah, Associate, 2005 to 2007. Project management responsibilities including planning and scheduling resources, budgeting, client interface and reporting, and invoicing on large NEPA EIS projects. Serve as the technical lead on prehistoric cultural resources for the firm. Clients included commercial industry, Bureau of Land Management, US Army Environmental Center, and US Air Force Real Property Agency.

SWCA Environmental Consultants, Salt Lake City, Utah and Las Vegas, Nevada, Program Director, 2000 to 2005. Experienced Project Manager with responsibilities to ensure the financial success of projects and work closely with clients to help them achieve their goals. Managed projects include cultural resources surveys, testing, and data recovery as well as NEPA analyses. Successfully bid and managed projects ranging from private sector clients to county, state, and federal agencies, including both Section 106 and NEPA projects. Authored or supervised cultural resource inventory reports that have been submitted to and approved by UDOT, SITLA, BLM, Forest Service, U.S. Army, and the Utah, Nevada, and Idaho SHPOs. Participated in the development of office policies and procedures to ensure the high quality of work products. Directly supervised Cultural Resources, GIS, and Administrative staff.

Senco-Phenix, Price, Utah, Archaeologist/Field Supervisor, 2000. Permitted by the Utah SHPO and BLM to conduct and lead field surveys and limited testing. Conducted cultural resources inventories and testing, authored and co-authored numerous reports, and developed a system for computerizing the graphics for reports.

JBR Environmental Consultants, Springville, Utah, Archaeologist, 1999 to 2000. Completed approximately 10,000 acres of cultural resources inventory, co-authored several inventory reports, researched archaeological data for reports, and participated in marketing opportunities.

Clinton Jackson Helton

Senior Cultural Resources Specialist

Education

M.A., Anthropology, Brigham Young University, 1996
B.A., Language and Literature, University of Utah, 1994

Professional Registrations

Registered Professional Archaeologist (RPA), 1999 (No. 11280)

Distinguishing Qualifications

- CH2M HILL's National Community of Practice Lead for Cultural Resources Management
- Operations Leader in CH2M HILL's Southern California Office
- More than 12 years of experience conducting studies for regulatory compliance with the National Historic Preservation Act, National Environmental Policy Act, and California Environmental Quality Act

Summary of Relevant Work Experience:

Mr. Helton has more than 12 years of experience in archaeology and cultural resources management including prehistoric and historic archaeology, Native American consultation, and historic buildings and structures inventory and evaluation. He has a strong background in environmental impact evaluations, having directed technical studies; negotiated with lead agencies, responsible agencies and clients. Mr Helton has a detailed knowledge of regulatory compliance and cultural resources and manages National Environmental Policy Act (NEPA) and National Historic Preservation Act (NHPA), California Environmental Quality Act (CEQA), and Warren-Alquist Act compliance studies and documents. Mr. Helton is a skilled practitioner of federal regulations governing treatment of cultural resources, especially Section 106 of NHPA (36CFR800) and the Native American Graves Protection and Repatriation Act (NAGPRA) (43CFR10). Mr. Helton has authored numerous environmental technical reports, cultural resources management plans, cultural resources studies, Programmatic Agreements, Memoranda of Understanding (MOU), and contributed to many NEPA documents for a variety of private and public sector clients.

Management and Leadership Positions:

Senior Technologist and Community of Practice Leader, CH2M HILL, Southern California Office (SCO), California. Senior Technical Scientist in the Environmental Services business group in the Santa Ana office. Responsible for leading CH2M HILL's cultural resources Community of Practice (CoP) nationally and providing senior technical leadership for cultural resources services throughout Southwest Region as well as to nationwide projects and clients. Lead teams and contribute to preparation of Environmental Impact Statements and Reports, and other permitting assistance and document preparation.

Managing Principal, SWCA Environmental Consultants, Orange County, California (2001-2004). Managing Principal of California operations. Responsible for operation of 60-person

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regional business unit, consisting of three offices in Sacramento, Orange County, and San Diego.

Program Director, SWCA Environmental Consultants, Salt Lake City, Utah (2000-2001).

Program Director while working with SWCA in the Salt Lake City office. Co-Managed Salt Lake City office, including all day-to-day activities of 35-person division. Duties included project management, staff work load leveling, performing QA/QC review, hiring/mentoring staff, and business development. Managed client projects throughout Utah, Nevada, Idaho, and western Colorado, including marketing, proposal preparation, agency liaison, project management, oversight of personnel and physical resources, local and federal permits, as well as NHPA and NEPA document preparation.

Select Project Experience:

Terra-Gen LLC Alta Wind Project, Kern County, California. Cultural Resources Task Lead, quality control manager, and overall management of cultural resources studies for this 4,000-acre alternative energy development project near the City of Tehachapi, California. Provide regulatory guidance, regional technical expertise in cultural resources and coordination with Kern County. Performed inventory for cultural resources and conducted Native American Consultation.

National Science Foundation National Ecological Observation Network (NEON); Multiple Locations in Continental United States (AL, AZ, CA, CO, KS, MA, MD, MI, MN, NH, NM, FL, GA, OK, TX, WA, WI, VA) and Hawaii, Alaska, and Puerto Rico. Cultural Resources Task Lead and overall management of a large national cultural resources study in support of NEPA Environmental Assessment. The study is analyzing environmental impacts of a large and comprehensive network of scientific infrastructure located in a variety of ecological zones designed to monitor environmental conditions and to provide data on climate change. Work has included archival research, field visits, and coordination with applicable state archives and SHPOs.

Iberdrola Renewables, Solar Energy Development, AZ, NM, NV, CA. Cultural resources assessments for solar power generation facilities in AZ, NM, NV, and CA. Mr. Helton is acting as principal investigator for several fatal flaw analyses of solar projects in Arizona, California, Nevada, and New Mexico. Five study areas of this overall project are located in Arizona; two are in Maricopa County, two are in La Paz County, and one project is located partially in La Paz and Yuma Counties. Project acreages range from 5,800 acres to 35,000 acres. Three of these study areas are located in California; two areas are in San Bernardino County and one is located in Imperial County. Project acreages range from 13,000 to 29,000. Three of these study areas are located in Nevada; two are in Nye County and one is located in Clark County. Project acreages range from 7,500 to 12,000. The remaining study area is located in Hidalgo County, New Mexico. Total acreage of this project is 25,000.

PPM Energy, Solar Energy Development, AZ, NV, CA. Cultural resources assessments for solar power generation facilities in AZ, NV, and CA. Mr. Helton is acting as principal investigator for literature searches and field visits for several proposed solar energy projects in Arizona, California, and Nevada. Project acreages range from 2,000 acres to 25,000 acres.

BrightSource Energy, Ivanpah Solar Electric Generating System Project Application for Certification, San Bernardino County, CA. Assisted with preparation of Application For

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Certification for California Energy Commission in support of a large proposed solar power generation facility covering over 4,000 acres of land managed by Bureau of Land Management in San Bernardino County, California. Responsible for preparation of cultural resources component of project, including archival research, field surveys, report preparation, and conducting Native American consultation.

State Route 79 Realignment Project, Riverside County, CA. Task Lead, quality control manager, and overall management of cultural and paleontological resources studies for this 19-mile highway realignment project in Riverside County, California. Provide regulatory guidance, regional technical expertise in cultural resources and management of two subconsultants. The inventory comprises over 7,100 acres in the vicinity of the cities of Hemet and San Jacinto. Frequent consultation and coordination with Riverside County Transportation Commission (RCTC) and Caltrans.

Carlsbad Energy Center Project Application for Certification, San Diego County, CA. Assisted with preparation of Application for Certification before the California Energy Commission for this proposed power generation facility in San Diego County, California. Responsible for preparation of cultural resources component of project, including field surveys, report preparation, and conducting Native American consultation.

LS Power South Bay Energy Facility Project Application for Certification, San Diego County, CA. Task Lead and overall management of cultural resources studies for this 600 MW combined-cycle power plant project in San Diego County, California. Responsible for preparation of cultural resources component of project, including field surveys, report preparation, and conducting Native American consultation.

Lompoc Wind Energy Project, Santa Barbara County, CA. Task Lead, quality control manager, and overall management of cultural resources studies for this 1,000 acre plus alternative energy development project near the City of Lompoc, California. Provide regulatory guidance, regional technical expertise in cultural resources and coordination with Santa Barbara County. Performed inventory for cultural resources and conducted Native American Consultation.

Port of Long Beach, Cultural Resources Management Plan and Architectural Survey and Evaluation, Long Beach, Los Angeles County, CA. Preparation of a major Port-wide long-range management plan for cultural resources including prehistoric and historic cultural resources properties and historic architectural resources located within the operating boundaries of the Port of Long Beach.

City of Vernon, Vernon Power Plant Application for Certification, Vernon, CA. Assisted with preparation of Application for Certification for California Energy Commission in support of this proposed 800 MW power generation facility in Los Angeles County, California. Responsible for preparation of cultural resources component of project, including field surveys, report preparation, and conducting Native American consultation.

AES Pacific Inc., Highgrove Power Plant Application for Certification, Grand Terrace, CA. Preparation of environmental analysis component of Application for Certification for California Energy Commission in support of this proposed natural gas fired 300 MW peaking power generation facility in Riverside County, California. Additionally responsible for preparation of cultural resources component of project, including field surveys, report preparation, and conducting Native American consultation.

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Edison Mission Energy, Walnut Creek Energy Park Power Plant, CA. Assisted with preparation of Application For Certification for California Energy Commission in support of this proposed 500 MW power generation facility in Los Angeles County, California. Responsible for preparation of cultural resources component of project, including field surveys, report preparation, and conducting Native American consultation.

Edison Mission Energy, Sun Valley Energy Center Power Plant, CA. Assisted with preparation of Application For Certification for California Energy Commission in support of this proposed 500 MW power generation facility in San Bernardino County, California. Responsible for preparation of cultural resources component of project, including field surveys, report preparation, and conducting Native American consultation.

Project Principal/Quality Control Manager, Talega Residential Housing Development, Archaeological and Paleontological Compliance, Data Recovery, and Compliance Monitoring, San Clemente, CA. Project principal for multidisciplinary team providing environmental compliance services for this 3,700-acre home development in San Clemente. Assisted with frequent agency consultation with U.S. Army Corps of Engineers (USACE).

Army National Guard Cultural Resources Support Contracts, UT. Managed cultural resources services from Army National Guard for all 29 facilities within the State of Utah. Primary goal was to assist National Guard with bringing facilities into compliance with Section 106 of NHPA. Managed archaeological survey, testing, and data recovery projects. Assisted with Native American consultation. Authored an Integrated Cultural Resources Management Plan (ICRMP) to assist the Guard in complying with Department of Defense Instructions 4715.3 and Army Regulation 200-4.

Kern River Pipeline 700-mile Expansion Project, WY, UT, NV, CA. Managed major cultural resources services contract with Williams Gas Pipeline, in support of the 700-mile Kern River Pipeline Expansion Project, traversing Utah, Nevada, Wyoming, and California. Mr. Helton was individually sought by Williams Gas Pipeline to provide regulatory guidance, regional technical expertise in cultural resources, project management support, as well as to provide leadership as the agency and subcontractor liaison for the project, given the size, complexity, multistate and multijurisdictional challenges and aggressive schedule of the project. Assisted from project initiation with facilitation of project Programmatic Agreement and led coordination meetings with stakeholder agencies and permitting authorities in California, Utah, Nevada, and Wyoming as well as FERC. Coordinated the activities of three subconsultants as well as the internal project team. Developed creative strategy to mitigate impacts to a large number of National Register eligible cultural sites. Contract value was over \$3.0 million.

Sierra Pacific Power Company, Third-Party Environmental Compliance, 630-Mile Silver State East Fiber Optic Project, Salt Lake City, UT, to Reno, NV. Managed multiphase contract to provide staff support to Bureau of Land Management (BLM) during preparation of POD and NEPA document, as well as well as third-party environmental compliance activities during construction of the 590-mile Silver State East Fiber Optic Project by Sierra Pacific Power Company. Led agency coordination, managed the project budget and staff, and assisted with resource data extraction from agency archives. Assisted with development of MOU, Project Charter, Programmatic Agreement, and public scoping process. During 14-month construction process, managed team of 25 cultural and biological resources environmental compliance monitors and acted as point of contact for BLM and Sierra Pacific Power Company.

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Permits/Authorizations Held

Title on Permit	Geographic Area	Year Permitted	Issuing Agency
Registered Professional Archaeologist	Nationwide	1999	Register of Professional Archaeologists
ARPA Permit--Project Director, Historic/Prehistoric (Statewide), Arizona Bureau of Land Management Cultural Resource Use Permit	Arizona	2008	Arizona State Office of Bureau of Land Management
ARPA Permit—Project Director/Principal Investigator (Statewide), California Bureau of Land Management Cultural Resource Use Permit	California	2004	California State Office of Bureau of Land Management
Field Director (Statewide), Nevada State Antiquities Permit	Nevada	1998	State of Nevada, Nevada State Museum
ARPA Permit--Project Director, Historic/Prehistoric (Statewide), Nevada Bureau of Land Management Cultural Resource Use Permit	Nevada	1998	Nevada State Office of Bureau of Land Management
Principal Investigator, Utah State Antiquities Permit	Utah	1998	State of Utah, Division of State History
ARPA Permit--Project Director (Statewide), Utah Bureau of Land Management Cultural Resource Use Permit	Utah	1998	Utah State Office of Bureau of Land Management
ARPA Permit—Project Director (Statewide), Oregon/Washington Bureau of Land Management Cultural Resource Use Permit	Oregon	2004	Oregon State Office of Bureau of Land Management
ARPA Permit—Project Director (Statewide), Oregon/Washington Bureau of Land Management Cultural Resource Use Permit	Washington	2004	Oregon State Office of Bureau of Land Management