

APPENDIX 5.3D

Resumes of Cultural Resources Staff

JESSICA B. FELDMAN, M.A., RPA

Cultural Resource Specialist
CH2M HILL Santa Ana, California

BACKGROUND

Education/Training: M.A., Historic Preservation Planning, Cornell University, 2001
B.A., History, Minor in Art History, William Smith College, 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.

Experience in Profession: 17 Years

Summary

Ms. Feldman is a cultural resource specialist with more than 11 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.

Relevant Project Experience

Cultural Resource Specialist, Glendale Water Treatment Plant, City of Glendale, Maricopa County, October 2008 to present. The City of Glendale proposes to construct a 10-mgd Groundwater Treatment Plant (GWTP) to provide operational flexibility and meet the growing demands of Glendale. Conducted site a windshield survey of the proposed route of conveyance and wells sites. The survey was undertaken to verify the presence of cultural, architectural, and engineering resources that appear to be 50 years or older in the APE. It was determined that two wells are already in existence National Register-listed properties:

The Manistee Ranch and the Sahuaro Ranch. Research was conducted and a cultural resource survey report is being prepared. Preparing the cultural resources impacts section for an Environmental Assessment.

Cultural Resource Specialist, Chula Vista Energy Upgrade Project, City of Chula Vista, San Diego County, June 2008 to August 2008. The Lorenzo Anderson House, which is in the vicinity of the proposed project and is listed on the local register of historic sites, is an historical resource for the purposes of CEQA. Conducted background research and site survey and prepared of DPR-523 inventory forms, per the Office of Historic Preservation guidelines. Prepared Technical Memorandum, which included discussion of environmental consequences of proposed project on this historical resource, according to CEQA guidelines.

Cultural Resource Specialist, Post Office Plaza Project, City of Reno, Washoe County, May 2008 to present. The City of Reno has a Memorandum of Understanding with the United States Postal Service to purchase the USPS building located at 50 S. Virginia Street in downtown Reno (Washoe County). The Post Office is listed in the National Register of Historic Places. Upon purchasing the property, the City plans on redeveloping this building and its site with a two phased project approach. Phase 1 of this project consists of relocating the existing parking on the North side of the building to the South side of the building adjacent to Mill Street. In addition, the existing parking lot on the North side of the building will be converted into a terraced plaza that will provide access from the street level to the river level.

Cultural Resource Specialist; SW Gibbs Street Pedestrian Bridge over I-5, Oregon Department of Transportation, City of Portland, Multnomah County, February 2008 to present. The project is a new pedestrian and bicycle bridge over I-5 providing connections between the historic South Portland Neighborhood Association (formerly known as Corbett, Terwilliger and Lair Hill neighborhoods) and the new South Waterfront developments on the Willamette River. The west landing of the bridge is within the South Portland Historic District, which is listed in the National Register of Historic Places. Ms. Feldman will prepare a Cultural Resources Baseline Report, Determinations of Eligibility (DOE) forms, and Finding of Effect (FOE) forms.

Cultural Resource Specialist; State Route 94 PSR-PDS; San Diego County, CA; October 2007 to present. On behalf of the SANDAG, CH2M HILL is preparing a Project Study Report-Project Development Support for the proposed State Route (SR) 94 Improvements Project (Caltrans). The project proposes to add two high occupancy vehicle (HOV) lanes along SR 94 from the I-805 interchange to downtown, and to direct HOV connectors from I-805 and I-15 to SR 94. Ms. Feldman conducted background research and a field review in preparation of a Preliminary Environmental Assessment Report (PEAR), a standard Caltrans report format. The highway is within one block of two locally significant historic districts and two locally significant cemeteries.

Cultural Resource Specialist; Salem River Crossing NEPA-EIS; Marion and Polk Counties, Salem, Oregon; August 2007 to present. The project proposes to improve mobility and safety across the Willamette River in the Salem-Keizer metropolitan area while alleviating congestion on the Marion and Center Street bridges and on the connecting highway and arterial street systems. In support of a preliminary concept analysis, prepared an evaluation matrix ranking each of the 13 alternatives. Additional work will include the preparation of a Cultural Resources Technical Report in support of the Draft EIS.

Cultural Resource Specialist, Fontana Energy Center Project Application For Certification; San Bernardino County, CA; October 2007 to present. Fontana Energy Center LLC (Calpine) proposes to construct a new power plant on the property of California Steel Industries, Inc., in Fontana, CA. The California Steel Industries, Inc. property is situated on the former Kaiser Steel mill site (California Point of Historical Interest #71). Ms. Feldman will prepare a cultural resources inventory report as supporting documentation for the appropriate cultural resources section of the Application for Certification (AFC), as required by the California Energy Commission (CEC). This includes background research, field survey and preparation of DPR-523 inventory forms, per the Office of Historic Preservation guidelines.

Cultural Resource Specialist; Sellwood Bridge NEPA-EIS; Multnomah County, vicinity of Portland, Oregon; February 2007 to present. The 1925 Sellwood Bridge is considered functionally obsolete and will be replaced or rehabilitated. The bridge is eligible for the National Register of Historic Places. The project area includes one

National Register-listed church, as well as a National Register-eligible late 19th century cemetery and associated Superintendent's House, and interurban corridor. Prepared the existing setting discussion for historic resources discipline report and conducted effects analysis for the Draft Environmental Impact Statement (Draft EIS).

Cultural Resource Specialist; Tacoma/Pierce County HOV Project, WBNV and EBNV Connector; Washington Department of Transportation; Tacoma and Pierce County, Washington; August 2006 to present. Conducted field survey and research, and used this information to prepare the historic context and discipline report for the EIS. This is part of the larger Tacoma/Pierce County HOV project, which will widen 35 miles of Interstate 5 and introduce High Occupancy Vehicle lanes to decrease traffic congestion between the Pierce/King County line and State Route 16 in the Tacoma and Fife area. The proposed project includes the demolition of the Nalley Valley Viaduct, which was evaluated for potential eligibility for the National Register of Historic Places.

Cultural Resource Specialist; Tacoma/Pierce County HOV Project, Pacific to POT (Port of Tacoma), Environmental Assessment, Washington Department of Transportation; Pierce County, Washington; September 2006 to present. Conducted field survey and research of historic resources, and will use this information to prepare the discipline report in support of the final environmental document. This is part of the larger Pierce County HOV project, which will widen 35 miles of Interstate 5 and introduce High Occupancy Vehicle lanes to decrease traffic congestion between the Pierce/King County line and State Route 16 in the Tacoma and Fife area. The alignment will require the acquisition of an easement on a potentially historic local park, which will be dealt with through the Section 4(f) process.

Cultural Resource Specialist; Tacoma/Pierce County HOV Project, POT (Port of Tacoma) to KCL (King County Line), Environmental Assessment, Washington Department of Transportation; Pierce County, Washington; September 2006 to present. Conducted field survey and research of historic resources, and will use this information to prepare the discipline report in support of the final environmental document. This is part of the larger Pierce County HOV project, which will widen 35 miles of Interstate 5 and introduce High Occupancy Vehicle lanes to decrease traffic

congestion between the Pierce/King County line and State Route 16 in the Tacoma and Fife area.

Cultural Resource Specialist; Water Treatment Plant and Bicycle Lake Water Main Extension; U.S. Army and Fort Irwin DPW; Fort Irwin, California; January 2007 to May 2007. Prepared the cultural resources impacts section for an Environmental Assessment. The proposed project will construct a new water treatment plant and the associated infrastructure to provide potable water to existing and future populations at the facility.

Task Leader, Cultural Resources; Paducah GNEP Siting Study; Paducah Uranium Plant Asset Utilization, Inc.; vicinity of Paducah, Kentucky; February 2007 to May 2007. The final product is a site evaluation study or Detailed Site Report which would provide the applicable regulatory, permitting, and licensing requirements that are required or may be required to permit and license a GNEP facility, provide all relevant, readily available environmental regulatory and permitting information for the PGDP and surrounding area that is pertinent to siting a GNEP facility, identify data gaps that will need to be filled for siting a GNEP facility. Prepared relevant sections of the site report relating to cultural resources. This project had a short turn-around and limited hours, with specific protocols, milestones and deadlines that had to be met. In addition, supporting documentation was difficult to obtain but this was accomplished on time.

Cultural Resource Specialist; Russell City Energy Center, Application for Certification, Calpine Corporation; City of Hayward, California; January 2007 to March 2007. Prepared appropriate State of California Department of Parks and Recreation forms for the evaluation of three structures located at the project site. This included the preparation of an historic context, requiring intensive research at local repositories, and a site visit. The proposed project, a new energy facility west of the City of Hayward, California, requires a California Energy Commission license. The DPR forms were prepared as part of the supporting documentation for the application of the CEC license.

Cultural Resource Specialist; PG&E Humboldt Bay Power Plant Modernization Project, Application for Certification, Pacific Gas & Electric; vicinity of Eureka, California; October 2006 to December 2006. Conducted site visit and prepared evaluation of the power plant as an historic district, according to the State of California Department of Parks and Recreation guidelines and format. PG&E are

proposing to upgrade and modernize the plant. The site visit and historic district evaluation were prepared as supporting documentation for the Application of Certification.

Cultural Resources Specialist; Diestelhorst Bridge Preservation and Rehabilitation Plan; City of Redding; Redding, California; August to December 2006. Prepared the historic context and applied the Secretary of the Interior's Standards for Rehabilitation of Historic Structures for the Diestelhorst Bridge in Redding, California. The bridge, which was built in 1914, was the first reinforced concrete bridge over the Sacramento River, and its completion linked the Shasta and Siskiyou County seats. The Bridge is eligible for the National Register of Historic Places. The proposed project will convert the structure to a pedestrian facility.

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 Environmental Impact Statement (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 Environmental Impact Reports (EIRs), for Los Angeles, Riverside, San Bernardino and Madera Counties; preparation of National Register nominations for General Services Administration (GSA)-owned courthouses and post offices throughout the United States; preparation of Historic American Building Survey (HABS) and Historic American Engineering Record (HAER) level data forms for properties in the City of Long Beach.

Past responsibilities included directing a survey team for the Caltrans statewide historic bridge inventory update; leading an intensive architectural survey for the City of Riverside of more than 1,300 parcels in the downtown area, which led to the preparation of determinations of eligibility and historic property inventory forms; surveying proposed Historic Preservation Overlay Zones for the City of Los Angeles to determine contributing and non-contributing buildings; and conducting historical documentations and evaluations of state-owned buildings in Sacramento, Los Angeles, and Marysville, which resulted in environmental analyses of those structures in anticipation of seismic retrofitting, and/or other proposed alterations.

Architectural Historian/Lead List of Classified Structures (LCS) Historian; National Park Service, National Capital Region; February 1996 to July 1998 and May 1999 to August 1999. Was 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 non-point source (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, and beta-tested new historic structures database for entire national park system.

NATALIE LAWSON, M.A., RPA

Cultural Resource Specialist CH2M HILL Santa Ana, California

BACKGROUND

Education/Training: California State University, M.A.,
Anthropology
Arizona State University, B.S., Chemistry, (minor,
Anthropology)

Professional Registrations: Registered Professional
Archaeologist (RPA)
Meets Secretary of Interior Professional
Qualification Standards (36CFR61)

Professional Positions Held: Cultural Resources
Specialist, Present
Junior Cultural Resources Manager, 2004-2008
Archaeology Technician, 2002-2004
Graduate Assistant, Anthropology Department,
California State University, Fullerton, California,
2001-2003.

Relevant Project Experience

Turlock Irrigation District, Almond 2 Power Plant.

Ms. Lawson conducted cultural studies for the preparation of the AFC license for the new construction of the Almond 2 Power Plant in Ceres, CA. Ms. Lawson conducted the literature search, Native American consultation, cultural pedestrian survey, and prepared the final technical memo and wrote the cultural section of the AFC application. Work was done in February 2009.

National Ecological Observation Network (NEON), U.S., including AK and HI, Puerto Rico.

The NSF is building several observation towers throughout the greater U.S. and Puerto Rico to study climate change and threatened species. Ms. Lawson conducted literature searches and archival research for the following states: Alaska, Washington, Wyoming, California, Massachusetts, and Florida. Ms. Lawson also is an author for the cultural sections of the following states: VA, FL, GA, TN, AL, WI, MI, WA, CA, AK, KS, MA, NH. Work was done in November and December of 2008 and January of 2009.

Siskiyou Telephone, Godfrey Ranch, Siskiyou County, CA.

Ms. Lawson conducted cultural studies for the expansion of telecommunications cable along forest service roads in Siskiyou County, CA including the initial literature search, Native American consultation, Phase I pedestrian survey, and preparation of the final report. Work was done in October and November 2008.

Ivanpah Solar Generating Station, San Bernardino County, CA. Ms. Lawson participated in additional field studies of several locations around the Ivanpah SEGS project area, including pedestrian survey and site recordation and evaluation. Ms. Lawson also conducted additional archival research of the project area and was an author on the final report of this portion of the field studies.

Darrah Road Bridge Widening, Mariposa County, CA. Ms. Lawson prepared the final Historical Property Survey Report (HPSR, Caltrans) for the widening of the Darrah Road Bridge as well as conducting the Native American consultation and an updated literature search. Work was done in October 2008 and February 2009.

Lodi Energy Center Project, Lodi, CA. Ms. Lawson conducted cultural studies for the preparation of the AFC license for the expansion of the Lodi Energy Plant in Lodi, CA. Ms. Lawson conducted the literature search, Native American consultation, cultural pedestrian survey, and prepared the final technical memo and wrote the cultural section of the AFC application. Work was done in July and August of 2008.

Iberdrola Renewables, AZ, NM, NV, and CA.

Ms. Lawson conducted literature searches 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. Work was done for this project in June, July, and August of 2008.

Bridger Buttes, WY. Ms. Lawson conducted the literature search and assisted in the writing of the cultural section of a fatal flaw analysis to determine the level of technical studies required for a proposed solar farm project. Work was done in August 2008.

California Border Patrol-Indio Station, Indio, CA.

Ms. Lawson conducted cultural studies for the expansion of the CA Border Patrol station in

Indio, CA including the initial literature search, Native American consultation, Phase I pedestrian survey, and preparation of the final report. Work was done in June 2008.

Old Ridge Route, Valencia, CA. Ms. Lawson monitored road repairs to an historic highway in northern Los Angeles County. Other duties included site recordation. Work was done in March 2008 through September 2008.

Los Angeles County Sanitation District Palmdale Well Field, Palmdale, CA. Ms. Lawson conducted cultural studies under CEQA for the SACSD installation of several groundwater monitoring wells. Work included a literature search, Phase I pedestrian survey, and final report. Work was completed in March 2008.

Mid County Parkway, Riverside County, CA. Ms. Lawson assisted with preparation of cultural resources component of EIR/EIS for the proposed 51 km long Mid-County Parkway located in western Riverside County, California, which is located in Caltrans District 8. FHWA is the lead agency. Fieldwork was conducted for Phase I surveys (intensive pedestrian survey): April 2005 through September 2005 and December 2005 through January 2006; for Extended Phase I survey (limited evaluation phase w/ shovel test excavations): May 2006 through June 2006; for the Phase II evaluation (test excavations and site evaluations): November 2007 through December 2007 for a total of 10 months for all fieldwork. Ms. Lawson functioned as Lead Archaeological Surveyor (crew chief and field director) for this project and was involved in the Phase I survey, the Extended Phase I survey, and the Phase II Evaluation and has been an author on the following documents for this project: ASR (Archaeological Survey Report), XPI (Extended Phase I) proposal, XPI Supplemental Proposal, XPI report, HRER (Historical Resources Evaluation Report), AEP (Archaeological Evaluation Proposal), and AER (Archaeological Evaluation Report). All documents were prepared according to the Caltrans Standard Environmental Reference handbook. Two different research designs were written for the XPI proposals and the AEP; Ms. Lawson was a coauthor of these documents and developed the research design for several of the research domains. Ms. Lawson also assisted in the preparation of all site records for the 100+ sites included in these reports, the evaluation of the historic archaeological resources for the HRER, directed lab analyses, and conducted the lithics analysis for the Phase II Evaluation. Personnel supervised during eight months of survey work

include four person field crews while serving as crew chief and three field crews of four persons each while serving as field director. Personnel supervised during two months of test excavations include five crews of three to four persons each. Personnel supervised during four months of lab analysis include five laboratory technicians.

Colorado Lagoon, Long Beach, CA. December 2007. Field work was completed in one day. Ms. Lawson conducted a Phase I survey (intensive pedestrian survey) of 10 acres and is the primary author of final letter report.

Copper Mountain Verizon Wireless, Twenty-nine Palms, CA. October 2007. Field work was completed in one day. Ms. Lawson visited a proposed location for cell tower upgrades and wrote a site report for proposed impacts.

Laguna Canyon Road Widening Mitigation, Orange County, CA. October 2005, September 2006, and September 2007. Fieldwork was conducted at various times and totaled approximately 7 weeks. Ms. Lawson served as Field Director, assisting with the cultural resource management for the widening of Laguna Canyon Road and subsequent biological mitigation within prehistoric site CA-ORA-1055. This project is located in Caltrans District 12. As field director, Ms. Lawson oversaw unit excavation, feature excavation, and assisted with the monitoring of controlled grading, as well as in the definition of a burial discovered during construction monitoring and supervised up to five field technicians. Additionally, Ms. Lawson conducted analysis of a portion of the flaked stone tools recovered during the monitoring and recovery phases of this project and assisted in the preparation of the final report. A portion of this project included the development of a research design for the geotechnical testing and subsequent ground truthing. Ms. Lawson assisted in the development of this design.

Beaumont Sports Park, Beaumont, CA. May 2007. All fieldwork was completed in one field day. Ms. Lawson served as Field Director for a CEQA Phase I survey of 20 acres and is the primary author of final report. She was responsible for the supervision of one additional field crew member.

3033 Huntington Drive Project, Pasadena, CA. April 2007. Fieldwork was completed in two weeks. Ms. Lawson served as Field Crew for additional Phase III data recovery at a small Late Prehistoric site during monitoring.

Beaumont Bike Path, Beaumont, CA. April 2007. Fieldwork was completed in one field day. Ms. Lawson served as Field Crew for additional Phase I pedestrian survey of an approximately 10 mile proposed bike path.

Forest Lawn, Hollywood Hills, Los Angeles, CA. December 2006 and January 2007. All fieldwork was completed in three days. Ms. Lawson served as Crew Chief for the field survey and supervised two additional field technicians. Duties included survey, site recordation of a single historic site, and extensive archival research of the history of the Forest Lawn-Hollywood Hills property. Ms. Lawson is the primary author of the final Section 106 report.

Wildomar Recycling Master Plan, Lake Elsinore, CA. No fieldwork was conducted for this project. Ms. Lawson provided cultural resource management for a proposed recycled water pipeline, conducted the record search, the archival research, and the Native American consultation for the project, and presented final recommendations for further work.

Orange County Boy Scout Camp, CA-ORA-534, Orange, CA. Fieldwork was completed in one week. Ms. Lawson served as Crew Chief and directed the Phase II excavations, including surface collection, shovel test pits, and 1x1m test units. She was responsible for the supervision of four field technicians.

Our Lady Queen of Angels, San Juan Capistrano, CA. August 2006. Fieldwork was completed in three days. Ms. Lawson served as Field Crew and assisted in the excavation of a burial found during construction monitoring.

Fagan Canyon Testing Plan, Santa Paula, CA. April 2006. Fieldwork was conducted for approximately one month. Ms. Lawson served as Field Director for the CEQA Phase II evaluations for two prehistoric sites. She was responsible for directing field excavations, including 1x1 m test units, feature excavation, mechanical trenching, and was responsible for directing three additional field technicians. Ms. Lawson also conducted all artifact analysis and assisted in the preparation of the initial research design as well as the final testing report.

Southern California Edison, El Casco Substation, Beaumont, CA. June 2006, July 2006, and October 2006. Fieldwork was conducted over 3 weeks. Ms. Lawson served as Field Director, directed the Section 106 pedestrian survey, supervised one additional field crew member, and monitored the

geotechnical testing. Additionally, Ms. Lawson was involved in the preparation of the geomorphological testing research design and subsequent ground truthing.

Southern Orange County Transportation Improvement and Infrastructure Project (SOCTIIP), Orange County, CA. February 2006. Ms. Lawson served as Field Crew and was in the field for this project for approximately one month. She monitored geotechnical testing within the preferred alternative of a proposed toll road.

Fagan Canyon Survey, Santa Paula, CA. December 2005. This survey was conducted over the span of one week. Ms. Lawson served as Field Crew for the CEQA Phase I survey.

Cultural Resource Assessment of a 20-acre Parcel in Hesperia, Hesperia, CA. March 2005. Fieldwork was completed in one day. Ms. Lawson served as Crew Chief for this 20 acre CEQA survey, supervised one additional field crew member, and authored the final report.

Trailmark Specific Plan, Romoland, CA. October 2004 and March 2005. Fieldwork for this project lasted for 3 weeks. Ms. Lawson served as Field Director for the CEQA evaluations of four prehistoric sites, two historic sites, and one combination prehistoric and historic site. She was responsible for directing field excavations, including 1x1 m test units, shovel test pits, mechanical trenching, and surface collection, conducting artifact analysis, supervised three additional crew members, and was the primary author of the final report.

Limonite Senior Project, Pedley, CA. October 2004. Fieldwork for this project lasted a total of two days. Ms. Lawson served as Field Director for the CEQA Phase I survey of 30 acres and supervised one additional field crew member. She also conducted archival research of a previously recorded resource within the project area, updated the site record the resource recommended to the California Register, and was the primary author of final report.

The Ranch at Point Mugu, Oxnard, CA. September 2004 and October 2004. Fieldwork totaled one week. Ms. Lawson served as Field Crew for the survey of a small ranch. Two prehistoric sites were recorded and a Phase II evaluation, consisting only of shovel test pits, was conducted at the one of these sites.

McSweeney Farm Project, Hemet, CA. May 2004 through July 2004, February 2005. Ms. Lawson

served as Field Director for a total of 4 months of fieldwork. The project consisted of the Section 106 Phase II evaluations for 14 sites, including prehistoric milling sites, one prehistoric habitation site, and historic refuse dumps. Ms. Lawson was responsible for overseeing unit excavation, shovel test pits, auger testing, supervised six additional crew members, and coordinated with the local Native American groups to provide tribal monitors for the project. She also monitored mechanical trenching within site boundaries, coauthored the Testing and Evaluation Plan, which presented the research design for the test excavations, and authored portions of the final report.

Stoneridge Estates, Moreno Valley, CA.

August 2004. Fieldwork lasted one week.

Ms. Lawson served as Field Crew for this survey of approximately 300 acres and the recordation of 12 prehistoric sites. She was an author on the final report.

Gibbel Estates Project, 80 Acres, Hemet, CA.

August 2004 and October 2004. Fieldwork for this project lasted for approximately four days.

Ms. Lawson served as Field Director for the CEQA survey of 80 acres, the recordation of one new prehistoric site, and the Phase II evaluations of new site and one previously recorded site located within the project. This previously recorded site was recommended eligible to the California Register. Ms. Lawson supervised four additional crew members and was the primary author on final report.

Southern California Edison, Sky Forest, CA.

June 2004. Ms. Lawson served as Crew Chief for this project. Two days were spent in the field.

Ms. Lawson was responsible for the literature search and the Section 106 Phase I survey of a power line which was damaged during the Waterman Canyon wildfire. Ms. Lawson supervised one additional crew member.

Cajalco-Ramona Corridor, Riverside County, CA.

May 2004. This intensive pedestrian survey spanned 3 weeks. Ms. Lawson served as Field Director for the Section 106 Phase I survey of 10 mile section of the proposed transportation corridor. Ms. Lawson was responsible for directing the field survey and supervised an additional three crew members.

Rancho Bella Vista, Riverside County, CA.

Ms. Lawson served as Lab Director for this project and conducted the artifact analysis of collections recovered at three sites during construction monitoring. She supervised one additional laboratory

technician and is the primary author on the final report.

Murrieta Springs (Tract Map Number 29707),

Murrieta, CA. Ms. Lawson served as Lab Director for this project. She prepared site records for a newly recorded site discovered during construction monitoring, conducted artifact analysis of the collection from this new site, and assisted in preparation of final report.

Oak Valley Specific Plan 1 Amendment, Beaumont, CA. March 2004 through April 2004.

Fieldwork for this project lasted a total of 2 months. Ms. Lawson served as Field Director for the CEQA survey of this 2,600 acre project. She was responsible for directing the field survey, supervised four additional crew members, assisted with the recordation of the historic architectural resources, and was the primary author of the final report.

Xavier College Preparatory High School, Thousand Palms, CA. March 2004.

Fieldwork for this project totaled one day. Ms. Lawson served as Field Director for the CEQA Phase I survey of 100 acres, supervised one additional crew member, and assisted in the preparation of the final report.

French Valley Assemblage, Menifee, CA.

February 2004. Fieldwork was conducted in 3 days. Ms. Lawson served as Field Director for the CEQA Phase I survey of 160 acres and assisted in preparation of the final report.

Menifee 60 Project, Menifee, CA. February 2004.

Fieldwork was completed in two field days. Ms. Lawson served as Field Director for the CEQA Phase I survey of 60 acres, supervised one additional crew member, and was an author on final report.

Hellman Ranch, Seal Beach, CA. November 2003 through January 2004.

Ms. Lawson participated in fieldwork for this project for a total of 3 months. She served as an Archaeology Technician. Duties included unit excavation, feature excavation, burial excavation, water screen, lab work, and construction monitoring.

National Training Center, Fort Irwin, CA.

August 2003 through October 2003. Ms. Lawson served as an Archaeology Technician and participated in approximately six weeks of fieldwork. She assisted in the Section 106 Phase I surveys as well as in the site recordation of several prehistoric sites. She also participated in limited Extended Phase I surveys, including shovel test pits.

Small Sites at Tomato Springs, Irvine, CA.

June 2003 through August 2003. Ms. Lawson participated in the fieldwork for this project for a total of 3 months. She served as an Archaeology Technician and performed limited extended surveys, and assisted with fieldwork of Phase II evaluations of several small sites, including surface collection, shovel test pits, unit excavation, and feature excavation.

CA-ORA-244, Irvine, CA. May 2003. Ms. Lawson participated in fieldwork for this project for a total of one month. She served as an Archaeology Technician and assisted with fieldwork of Phase II evaluations, including surface collection, shovel test pits, unit excavation, and feature excavation at a large habitation site near Tomato Springs in Orange County.

Beaumont Survey, Beaumont, CA. March 2003.

Fieldwork was completed in one week. Ms. Lawson served as an Archaeology Technician for a phase I survey of an area with historic homesteads and 1890's gold rush era mines.

Desert Center, CA. October 2002. Field work was completed in one week. Ms. Lawson served as an Archaeology Technician for Phase III Data Recovery of a small historic site. Duties included unit excavation, feature excavation, dry screening and creating side wall profiles.

San Bernardino, CA. October 2002. Field work was completed in one week. Ms. Lawson served as an Archaeology Technician for Phase III Data Recovery of a small historic site. Duties included unit excavation, feature excavation, dry screening and creating side wall profiles.

Fort Irwin Expansion, Baker and Barstow, CA.

June 2002 through September 2002. Ms. Lawson participated in fieldwork for this project for approximately 4 months. She served as an Archaeology Technician and performed Section 106 Phase I surveys of BLM land near Fort Irwin, CA. She also assisted in site recordation of several prehistoric and historical sites as well as limited Extended Phase I surveys, including surface collection. This survey of approximately 24, 000 acres was conducted to supplement previous surveys related to the expansion of the National Training Center at Fort Irwin.

Archaeological Data Recovery Excavation at CA-ORA-269, Irvine, CA. May 2002 through June 2002 and November 2002 through December 2002.

Ms. Lawson participated in fieldwork for this project

for a total of 3 months. She conducted data recovery at archaeological site CA-ORA-269, within the Planning Area 27 (PA 27) project boundaries, located in the western portion of the San Joaquin Hills in Irvine, California. Ten percent of the site, 200 1x1 m units, were excavated prior to burying the site for construction purposes. Ms. Lawson served as an Archaeology Technician and was responsible for unit excavation, feature excavation, water screen, and laboratory work.

Muddy Canyon, Newport Beach, CA. May 2002.

Ms. Lawson participated in fieldwork for this project for a total of 1 week. She served as an Archaeology Technician and was responsible for unit excavation at CA-ORA-934.

The Rise, Farmington, New Mexico. April 2001.

Ms. Lawson participated in fieldwork for a total of three days. She served as Field Crew for the survey, mapping, and surface collection of a small multicomponent site (early prehistoric Anasazi through late historic Navajo).

Presentations

SWAA 2001 Conference: TL Dating: Science of Authenticity

SWAA 2002 Conference: Spatial Analysis of Benin Kingdom Architecture

AAA 2002 Conference: Spatial Analysis of Benin Kingdom Palaces

Southern California Academy of Sciences 2003 Conference: The Stone Tools of CA-ORA-840

Selected Reports

Lawson, Natalie. 2008. *Darrah Road Bridge Widening at the West Fork of the Chowchilla River, Historic Property Survey Report for Caltrans District 10.* Ms. on file, Caltrans District 10.

Lawson, Natalie, Clint Helton, and Geof Spaulding. 2008. *Ivanpah Solar Generating Station; Summary Report of Archival Research and Field Studies for Northwestern Ivanpah Valley Ridgeline Survey and Investigations of Site ISEGS-01.* Ms. on file, CH2M HILL, Santa Ana, CA.

Lawson, Natalie and Clint Helton. 2008. *Lodi Energy Center Project (LEC); Cultural Resources Assessment.* Ms. on file, Central California Information Center, California State University, Stanislaus, Turlock, CA.

Lawson, Natalie. 2008. *Cultural Resources Assessment for the North Side Regulating Reservoir Project within*

Oakdale Irrigation District. Ms. on file, Central California Information Center, California State University, Stanislaus, Turlock, CA.

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CLINT HELTON, M.A., RPA

Cultural Resources Specialist CH2M HILL Santa Ana, California

BACKGROUND

Education/Training: MA, Anthropology, Brigham Young University

BA, Language and Literature, University of Utah

Professional Registrations: Registered Professional Archaeologist (No. 11280)

Professional Organizations/Affiliations: Association of Environmental Professionals
Register of Professional Archaeologists
Society for American Archaeology
American Anthropological Association

Other Professional Skills: Spanish language fluency (speak, read, and write)

Distinguishing Qualifications:

- Strong background in environmental impact evaluations, with particular expertise in conducting cultural resources studies in AZ, CA, CO, ID, NV, UT, WY
- Meets Secretary of Interior Professional Qualification Standards (36CFR61)
- Highly experienced managing cultural resources studies for large linear utility and transportation projects to meet federal requirements of National Environmental Policy Act (NEPA), National Historic Preservation Act (NHPA), Federal Energy Regulatory Commission (FERC) and state requirements of California Environmental Quality Act (CEQA)

Experience in Profession: 12 years of environmental management experience in the western U.S.

Summary

Mr. Helton has more than 12 years of environmental management experience in the United States. He has a strong background in environmental impact evaluations, having directed technical studies; negotiated with lead agencies, responsible agencies and clients; and has written, edited, and produced a substantial number of environmental review and technical documents. His knowledge of regulatory compliance and cultural and paleontological resources enables him to manage National Environmental Policy Act (NEPA) and National Historic Preservation Act (NHPA) compliance activities and document preparation. Mr. Helton is a particularly 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 significant expertise conducting consultation with State and Federal agencies, as well as facilitating formal government-to-government consultation with Native American groups and tribes throughout the western U.S. Additionally, Mr. Helton has authored numerous environmental technical reports, cultural resources management plans, cultural resources studies, Programmatic Agreements, Memorandums of Understanding (MOU), and contributed to many NEPA documents for a variety of private and public sector clients. Mr. Helton is native-level bilingual in Spanish.

Relevant Project Experience

Cultural Resources Task Manager, US Border Patrol; Customs and Border Protection, Facilities Expansion, Multiple Locations Along United States Southern Border. Lead preparation of numerous cultural resources studies in support of NEPA Environmental Assessments and Phase I Environmental Site Assessments in support of US Border Patrol facility expansion projects along the US/Mexico border. Included investigations for facilities in New Mexico, Texas, Arizona, and California.

Cultural Resources Task Manager, Iberdrola Renewables. Cultural resources assessments for solar power generation facilities in AZ, NM, NV, and CA. Mr. Helton conducted literature searches 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.

Task Manager, Ivanpah Solar Electric Generating System Project, San Bernardino County, CA. Assisted with preparation of Application For 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.

Task Manager, 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.

Task Manager, State Route 79 Widening Project, Riverside County, CA. Task Lead, quality control manager, and overall management of cultural resources studies for this highway widening project in Riverside County, California. Provide regulatory guidance, regional technical expertise in cultural resources and coordination of subconsultants. Frequent consultation and coordination with Riverside County Transportation Department (RCTD) and Caltrans.

Task Manager, Carlsbad Energy Center Project, San Diego County, CA. Assisted with preparation of Application For Certification for California Energy Commission in support of 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.

Task Manager, Chula Vista Energy Upgrade Project, San Diego County, CA. Task Lead and overall management of cultural resources studies for this 100 MW power plant upgrade 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.

Task Manager, LS Power South Bay Energy Facility Project, 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.

Task Manager, 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.

Technical Specialist, Clinton Keith Road Extension Project, Riverside County, CA. Performed cultural resources survey and report preparation for this road widening and realignment project. Project was generally located between I-215 and SR 79 in the City of Murrieta and in Riverside County.

Deputy Project Manager, 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.

Task Manager, Southern California Water Company (SCWC) Water Wells Project, Archaeological Surveys; Riverside and San Bernardino County, CA. Conducted cultural resources surveys and prepared CEQA documentation for the development of four water wells in San Bernardino County, California.

Task Manager, City of Vernon, Vernon Power Plant, 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.

Deputy Project Manager, AES Pacific Inc., Highgrove Power Plant, 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.

Task Manager, 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.

Task Manager, 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 Manager; Sacramento Municipal Utility District (SMUD) Cosumnes Power Plant and Gas Pipeline Project, Environmental Compliance, Sacramento, CA. Managed interdisciplinary team of over 20 environmental specialists including archaeologists, biologists, and paleontologists during construction of 26-mile gas pipeline and associated power generation plant. Contract value was over \$2.0 million.

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.

Project Manager; 700-mile Kern River Pipeline Expansion Project; WY, UT, NV, and 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.

Project Manager, 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.

Project Principal /Quality Control Manager, Williams Pipeline, Rockies Expansion Pipeline Construction, WY, ID. Provided overall management of cultural resources and paleontological resources compliance monitoring services for the Rockies Expansion pipeline construction project.

Project Manager, Adesta Communications Fiber Optic Project, Grand Junction, CO to Salt Lake City, UT. Managed all aspects of cultural and paleontological resources compliance for the 260-mile

utility project. Assisted with preparation of environmental assessment (EA) for NEPA compliance. Provided project development, agency coordination, management of project budget and staff, supervision of field crews, identification and recordation of historic and prehistoric resources, laboratory analysis, and report preparation. Contract value was over \$1.0 million.

Project Principal/Quality Control Manager; Questar Pipeline Company, Mainline 104 Pipeline Project, UT. Managed cultural resources component of the Mainline 104 natural gas pipeline project, 75 miles of 24-inch-diameter natural gas pipeline from Price to Elberta, Utah, across Carbon, Emery, Sanpete, and Utah Counties, including the Manti-LaSal and Uinta National Forests, BLM, state, and private lands. Coordinated with officials from BLM, State Trust Lands, U.S. Department of Agriculture (USDA) Forest Service, and State Historic Preservation Office (SHPO).

Deputy Project Manager, Confidential Southern California Power Project. Assisted with preparation of the Application for Certification including lead for required analysis of 8 miles of new gas line. Key issues included land use, water supply, air quality, cultural resources, biological resources, visual resources, and noise.

Project Manager, Williams Communications, Third-Party Environmental Compliance, I-80 Fiber Optic Project, NV and UT. Managed third-party construction compliance monitors and representatives of the BLM; ensured that compliance monitors, contractors, and construction crews met the requirements described in the projects construction stipulations, permits, and right-of-way grant. Was the primary liaison to the client, BLM; provided agency coordination, management of project budget and staff, supervision of field crews, and report preparation.

Project Principal, Western Area Power Administration, Transmission Line Project; Imperial County, California. Provided overall management of cultural resources services for the Parker-Blythe #1 161-kV transmission line project. The inventory extended from Blythe, California to Parker, Arizona. A total of 147 sites (136 in California and 11 in Arizona) were recorded.

Program Manager, United States Army Dugway Proving Ground, Cultural and Biological Resources Services. Program Manager for a 3-year on-call contract to supply cultural and biological resources services to the United States Army's Dugway

Proving Ground. Served as primary point of contact for the facility's environmental lead official. Assisted facility staff with cultural resources compliance activities, including cultural resources inventories in harsh and sometimes dangerous conditions within areas known to contain UXO's and other potential hazards. Completed required background checks, safety training, range training, and other required training and preparation to work on the sensitive facility. Led crews on several large inventories within this expansive training facility in Utah's West Desert. Maintained constant communication with Range Control and base staff to avoid conflict with range training activities, while performing the required inventories.

Project Manager, United States Army Deseret Chemical Depot, Cultural Resources Services: As Principal Investigator for a large multi-phased cultural resources investigation of the United States Army's Deseret Chemical Depot, led initial survey design and sampling plan to determine the presence, distribution, type, and significance of cultural resources located at this sensitive chemical weapons facility.

Project Manager, Williams Pipe Line Project, Thompson to Salt Lake City, UT. Managed all aspects of cultural resources compliance for the 260-mile pipeline, including project development, agency coordination, management of project budget and staff, supervision of field crews, identification and recordation of historic and prehistoric resources, laboratory analysis, artifact curation, and report preparation.

Project Manager, Qwest Fiber Optic Project; Environmental Assessment; Cove Fort, Utah (2000): Managed preparation of Environmental Assessment for NEPA compliance. Also prepared required technical report for cultural resources. Project development; agency coordination; management of project budget and staff; supervision of field crews; report preparation.

Project Manager, Williams Communications, 3rd - Party Environmental Compliance, I-80 Fiber Optic Project; Nevada and Utah. Managed third party construction compliance monitors and representatives of the BLM; ensured that compliance monitors, contractors, and construction crews met the requirements described in the projects construction stipulations, permits, and right-of-way grant. Primary liaison to client, BLM; agency coordination; management of project budget and staff; supervision of field crews; report preparation.

Project Manager, Questar Gas Pipeline Company Dog Valley Pipeline Project; Panguitch, Utah.

Survey and recordation of 37 historic and prehistoric sites; supervision of field crews; laboratory analysis; artifact curation; report preparation.

Project Manager, Kennecott Rawhide Mine, On Call Cultural Resources Services; Fallon, Nevada.

Project development, management of project budget, agency liaison, supervision of field crews and report preparation for over 1200 acres of multiple cultural resources inventories.

Field Director; Excavation of 42SI 230; Salt Lake City, UT. Directed testing and data recovery excavation at the Salt Lake International Airport for

airport expansion project. Participated in laboratory analysis of ceramic, lithic, and bone artifacts.

Field Director; Legacy West Davis Highway Excavation Project; Salt Lake City, UT. Directed field excavation of large Archaic to Late Prehistoric site. Twelve-week test pitting phase included over sixty 2-by-2-meter test pits. Consulted and participated with local Native American Tribal representatives. Laboratory analysis of ceramic, lithic, and bone artifacts. Contributed to final report.

Cultural Resources 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/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