

*Southern California Edison*

**A.19-07-015 – TLRR IC**

**DATA REQUEST SET E D - S C E - 0 0 7**

**To: Energy Division  
Prepared by: Gary Busteed  
Job Title: Senior Advisor  
Received Date: 10/3/2019**

**Response Date: 12/1/2019**

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**Question 01:**

Southern California Edison Company (SCE) submitted its Permit to Construct (PTC) application and Proponent's Environmental Assessment (PEA) on July 17, 2019. The California Public Utilities Commission's (CPUC) Energy Division provided a PEA deficiency letter to SCE on August 15, 2019 and SCE is currently preparing responses.

The CPUC is planning to meet with the Bureau of Land Management (BLM) to discuss the CPUC's requirements for consultation with Native American Tribes under AB 52 and approaches to data sharing with Tribes. In preparation for our meeting with BLM, please provide a copy of all the following that apply to the Ivanpah-Control Project:

- Fieldwork Authorization Request (Form 8151-3))
- Application for Permit for Archaeological Investigations (DI Form 1926)
- BLM State Archaeological Permit held by SCE or its contractor

The CPUC is also requesting a copy of any other BLM authorization to SCE or its contractors for the Ivanpah-Control Project that defines procedures or restrictions for sharing of cultural resource data with Tribes.

**Response to Question 01:**

Attached to this data request are the requested information from our consultant, SWCA. The following items have been provided here as attachments:

- Field Authorization Request Approvals (Form 8151-3)
  - FWA Barstow Field Office (FullyExecuted\_Barstow.pdf)
  - FWA Ridgecrest Field Office (FullyExecuted\_Ridgecrest.pdf)
  - FWA Bishop Field Office (FullyExecuted\_Bishop.pdf)
  - FWA Needles Field Office (FullyExecuted\_CA690-FA-19-14\_Needles\_06072019.pdf)
- Application for Permit for Archaeological Investigations (CRUP\_Application\_revised\_06092017.pdf)

- SWCA's Cultural Resource Use Permit (BLM CA Statewide CRUP CA-17-23.pdf) and all subsequent permit modifications (listed chronologically):
  - CA-17-23 SWCA Req for Mod approved Jan 29 2019.pdf
  - CA-17-23 SWCA Req for Mod approved May 29 2019.pdf
  - CA-17-23 SWCA permit mod letter June 18 2019.pdf
  - Correction to June 2019 Modification.pdf
  - CA-17-23 SWCA Req for Mod approved Sept 24 2019.pdf

United States  
Department of the Interior  
Bureau of Land Management

INFORMATION  
REQUIREMENT  
APPROVED  
OMB NO. 1024-0037

### FIELDWORK AUTHORIZATION REQUEST

To Conduct Specific Cultural Resource Work under the Authority of a  
Cultural Resource Use Permit Issued by the Bureau of Land Management  
Pursuant to Sec. 302 (b) of P. L. 94-579, October 21, 1976, 43 USC 1732  
Sec. 4 of P. L. 96-95, October 31, 1979, 16 USC, 470cc

For BLM Use Only

CA690-FA-19-14  
CJ 6/5/2019

#### 1. Permit Number and Date Issued

CA-17-23

Issued: July 27, 2017

Expires: July 27, 2020

#### 2. Name of Permittee

SWCA Environmental Consultants

#### 3. Mailing Address and Telephone Number

Address: 51 W Dayton Street  
Pasadena, CA 91105

Telephone: (626) 240-0587

#### 4. Nature of Cultural Resources Work Proposed (if Consultation Work, Identify Client and Project)

Southern California Edison (SCE) proposes to make improvements to the Ivanpah-Control transmission lines in Inyo, Kern, and San Bernardino Counties, California, as part of their Transmission Line Rating Remediation (TLRR) program. The Ivanpah-Control project (IC Project) consists of reconstructing 358 miles of existing 115 kV subtransmission line elements to ensure compliance with CPUC GO 95 by remediating discrepancies identified through SCE's TLRR program. At the request of SCE, SWCA Environmental Consultants (SWCA) will conduct a Class III cultural resources survey of the proposed project's area of potential effect (APE). The proposed project APE for direct effects consists of 75 ft buffer on the transmission line, 50 ft buffer on insular areas (e.g. laydown yards, staging areas), and 25 ft buffer on all access roads. The proposed project APE for indirect effects is a 0.5-mile buffer on the direct APE. SWCA will be supported on this project by the following subcontractors, who will submit their own FWA requests: Urbana, Material Culture Consulting (MCC), and Paleo Solutions, Inc.

#### 5. Location of Proposed Work (Include Map)

##### a. Description of Public Lands Involved

The IC Project is located on a combination of federal, state, and private lands in Inyo, Kern, and San Bernardino counties, California. Public lands administered by federal agencies within the project area include lands administered by the Department of Interior (Bureau of Land Management [BLM]: Bishop, Ridgecrest, Barstow, and Needles Field Offices, California). A total of 3785.63 acres of BLM land intersects the project APE. Maps and PLSS data of the project APE intersecting public lands administered by the BLM Needles Field Office are provided in appendices A and B.

##### b. Identification of Cultural Resource(s) Involved (if applicable)

SWCA reviewed the records search results from a 0.5-mile buffer around the project APE. SWCA identified 21 previously recorded resources intersecting the project APE located on public land that is administered by the BLM Needles Field Office.

#### 6. Period During Which Work Will Be Conducted

From [mm/dd/yy]: 06/04/2019

To [mm/dd/yy]: 12/31/2019

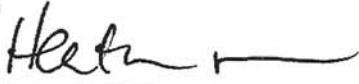
#### 7. Name of Individual(s) Responsible for Planning and Supervising Fieldwork and Approving Report, Evaluations, and Recommendations

Principal Investigators: John Dietler, PhD., RPA; Heather Gibson, PhD., RPA; Mandi Martinez, M.A., RPA; Chris Millington, M.A., RPA; Nathan Stevens, Ph.D., RPA

Project Managers: Alex Wesson, B.A.

Field Director(s): Alyssa Newcomb, M.S., RPA; Aaron Elzinga, M.A., RPA; Katie Martin, B.A.; Rebekka Knierim, M.A.; Cherie K. Walth, M.A.; Omar Rice, B.A.; William (Bill) Kendig, B.A.; Leroy Laurie, B.S.; Maria Wiseman, M.A., RPA; Kurt McLean; Matthew Behrend, M.A., RPA; Amy Jordan, Ph.D.; Ashlee Younie, M.A., RPA

#### 8. Signature



9. Date [mm/dd/yy]:

6/5/19

#### 10. Approved



(Authorized Officer)

11. Date [mm/dd/yy]:

6-7-19

Submit one copy of each request, by mail, FAX, or in person to the Field Office Manager in the BLM Field Office with administrative jurisdiction over the public lands involved.



Pasadena Office  
150 South Arroyo Parkway, 2nd Floor  
Pasadena, California 91105  
Tel 626.240.0587 Fax 626.240.0607  
[www.swca.com](http://www.swca.com)

June 9, 2017

James Barnes  
Associate State Archaeologist  
Bureau of Land Management  
2800 Cottage Way, Suite W-1928  
Sacramento, CA 95825  
Via email to: [jibarnes@blm.gov](mailto:jibarnes@blm.gov) and [soverly@blm.gov](mailto:soverly@blm.gov)

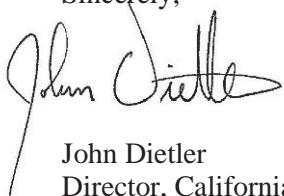
Regarding: Application for Cultural Resource Use Permit

Dear Mr. Barnes:

We would like to apply for a Cultural Resource Use Permit (CRUP) for 2017-2020. Our currently valid CRUP number, which expires on June 9, 2017, is CA-14-19. Attached, you will find our application, a curation agreement, a brief description of our company abilities in California, and resumes to support the application. Thank you for your timely review of our application and please let me know if you have any questions at all.

Please note the changes we have made since our last submittal, including the removal of Jennifer Hider and James Bard, since they have both moved on from SWCA; and the removal of Tim Spillane due to his change to part-time status. In addition, we have added Erica Nicolay to the request in the Field Director role because she has 15 months of fieldwork and just completed her Master's Degree.

Sincerely,



John Dietler  
Director, California Cultural Resources Practice  
BLM Permit Administrator for SWCA

Attachments:

- Permit Application
- Firm Profile
- Curation Agreement
- Principal Investigator Resumes
- Field Director Resumes

# Permit Application

**United States Department of the Interior****Application for Permit for Archeological Investigations**

Under the Authority of

**The Archaeological Resources Protection Act of 1979**

(16 U.S.C. 470aa-mm; 43 CFR 7);

and/or **The Antiquities Act of 1906**

(P.L. 59-209; 34 Stat. 225; 16 U.S.C. 431-433; 43 CFR 3)

and/or the appropriate **Bureau-specific statute** Such as

The Reclamation Act; The National Park Service Organic Act; The National Wildlife Refuge System Administration Act; The Federal Land Policy and Management Act

**Instructions: Complete and return two copies of this application form and required attachments to the appropriate State or Regional Office of the land managing bureau involved. All information requested must be completed before the application will be considered. Use separate pages if more space is needed to complete a section.****1. Name of applicant** (institution, corporation, partnership, individual, or other entity)

SWCA Environmental Consultants

**2. Mailing address**150 South Arroyo Parkway, 2<sup>nd</sup> Floor  
Pasadena, CA 91105**3. Telephone number(s)**

626.240.0587

**5. Nature of archeological work proposed**

- Survey and Recordation
- Limited Testing and/or Collection (project-specific)
- Excavation and/or Removal (project-specific)

**6. Location of proposed work** (attach additional sheets)

a. Work during this three-year blanket permit will be conducted on Bureau of Land Management-managed public lands located throughout the state of California.

**7. Time of proposed work**

Overall duration of project: From June 9, 2017 To June 9, 2018

Estimated duration of fieldwork: From \_\_\_\_\_ To \_\_\_\_\_

**8. Principal Investigators**

John Dietler (permit administrator); Heather Gibson; Suzanne Griset; Mandi Martinez; Chris Millington; Matthew Steinkamp; Mary Ann Vicari; and Matt Wetherbee

**Principal Investigator contact information**

Telephone number(s): 626.240.0587

Email address(es): [jdietler@swca.com](mailto:jdietler@swca.com); [hgibson@swca.com](mailto:hgibson@swca.com); [sgriset@swca.com](mailto:sgriset@swca.com); [mmartinez@swca.com](mailto:mmartinez@swca.com); [cmillington@swca.com](mailto:cmillington@swca.com); [msteinkamp@swca.com](mailto:msteinkamp@swca.com); [mvicari@swca.com](mailto:mvicari@swca.com); and [mwetherbee@swca.com](mailto:mwetherbee@swca.com)

<b>9. Field Directors</b> Julia Carvajal Aaron Elzinga Chad Jackson Bill Kendig Leroy Laurie Katie Martin Kathy Mowrer Alyssa Newcomb Erica Nicolay	<b>Field Director contact information</b> Telephone number(s): 626.240.0587 Email address(es): <a href="mailto:jcarvajal@swca.com">jcarvajal@swca.com</a> ; <a href="mailto:aelzinga@swca.com">aelzinga@swca.com</a> ; <a href="mailto:cjackson@swca.com">cjackson@swca.com</a> ; <a href="mailto:bkendig@swca.com">bkendig@swca.com</a> ; <a href="mailto:llaurie@swca.com">llaurie@swca.com</a> ; <a href="mailto:kmartin@swca.com">kmartin@swca.com</a> ; <a href="mailto:kmowrer@swca.com">kmowrer@swca.com</a> ; <a href="mailto:anewcomb@swca.com">anewcomb@swca.com</a> ; <a href="mailto:enicoaly@swca.com">enicoaly@swca.com</a> ; <a href="mailto:orice@swca.com">orice@swca.com</a> ; <a href="mailto:cwalth@swca.com">cwalth@swca.com</a> ; <a href="mailto:awesson@swca.com">awesson@swca.com</a>
<b>10. Permit Administrators</b> John Dietler	<b>Permit Administrator contact information</b> Telephone number(s): 626-240-0587 Email address(es): <a href="mailto:jdietler@swca.com">jdietler@swca.com</a>
<b>11. Applicant must include the following attached to the application form.</b>	
<ol style="list-style-type: none"> <li>a. Description of the purpose, nature, and extent of the work proposed, including how and why it is proposed to be conducted: (include research design, methods, curation);</li> <li>b. Summary of organizational capabilities, including information on location(s) and description of facilities and equipment, on organizational structure and staffing, and on facilities, equipment and staff to be involved in the proposed work;</li> <li>c. Summary of organizational history in completing work of the kind proposed, including similar past projects, government contracts, and Federal permits (previously held, currently in force with effective dates, and currently pending or planned, by agency and region/state), reports and/or publications resulting from similar work, and any other pertinent organizational experience;</li> <li>d. For each individual named in 8 and 9 above, a curriculum vitae or similar resume or summary of education, training, and experience in the kind of work proposed and in the role proposed;</li> <li>e. Written certification, signed by a properly authorized official of the proposed curatorial facility, attesting to the facility's capability and willingness to accept any collections, as applicable, and records, data, photographs, and other documents generated during the proposed term of the permit, and to assume permanent curatorial responsibility for such materials on behalf of the United States Government pursuant to 36 CFR 79. In the case of an application on Indian lands where the Indian Tribe or Indian owner(s) do not wish to take custody, written consent to undertake curation is required from the Indian Tribe or the Indian owner(s) pursuant to 25 CFR 262.8. Custody of any Native American human remains or cultural items subject to the Native American Graves Protection and Repatriation Act (NAGPRA), 25 USC 3001-3013, removed from public lands or Indian lands shall be determined in accordance with NAGPRA and its implementing regulations, 43 CFR 10.</li> </ol>	
<b>12. Proposed outlet(s) for public written dissemination of the results</b> SWCA will submit all project related written reports and records to the appropriate California Historical Information System (CHRIS) information center.	
<b>13. Signature of individual named in 10</b> 	<b>14. Date signed</b> 5/15/2017

**Paperwork Reduction Act and Estimated Burden Statement:** This information is being collected pursuant to 16 U.S.C. 470cc and 470mm, to provide the necessary facts to enable the Federal land manager (1) to evaluate the applicant's professional qualifications and organizational capability to conduct the proposed archeological work; (2) to determine whether the proposed work would be in the public interest; (3) to verify the adequacy of arrangements for permanent curatorial preservation, as United States property, of specimens and records resulting from the proposed work; (4) to ensure that the proposed activities would not be inconsistent with any management plan applicable to the public lands involved; (5) to provide the necessary information needed to complete the Secretary's Report to Congress on Federal Archeology Programs; and (6) to allow the National Park Service to evaluate Federal archeological protection programs and assess compliance with the Archaeological Resources Protection Act of 1979 (16 U.S.C. 470). Submission of the information is required before the applicant may enjoy the benefit of using publicly owned archeological resources. To conduct such activities without a permit is punishable by felony-level criminal penalties, civil penalties, and forfeiture of property. A federal agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. Public reporting for this collection of information is estimated to average one hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Departmental Consulting Archeologist; NPS; 1849 C Street, NW (2275); Washington, DC 20240-0001.

# Firm Profile

## SWCA FIRM PROFILE

SWCA, Incorporated dba SWCA Environmental Consultants (SWCA) is one of the largest environmental consulting companies with a focus solely on environmental science. Our cultural, natural, and paleontological resources experts and planners have diverse experience working for clients in both the public and private sectors. With specialized expertise in National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) compliance, cultural and natural resources management, permitting, and planning, we help clients achieve their objectives by reconciling potential conflicts between human activities and environmental quality, using sound science to develop creative solutions.

SWCA was founded in 1981 by ecologist Dr. Steven W. Carothers on the principles of **Sound Science and Creative Solutions**. Over the following two decades, SWCA became recognized as a high quality full-service environmental services company, serving public and private clients throughout the United States. SWCA has expanded from a sole proprietorship to a 100% employee-owned corporation with more than 750 employees and 27 offices in 18 states, including three offices in California.



## OFFICE LOCATIONS

with the National Historic Preservation Act of 1966 (NHPA; including Sections 106 and 110) and the cultural resources requirements of CEQA.

SWCA's archaeological services include literature searches, reconnaissance studies, intensive archaeological surveys, preservation and treatment plans, memoranda of agreement, site testing/evaluation for California Register of Historical Resources/National Register of Historic Places-eligibility, full-scale excavation for data recovery, construction monitoring, impact mitigation management, and site preservation. Our professional archaeologists are thoroughly familiar with applicable regulations governing the treatment of cultural resources and experienced at the methods and techniques necessary to undertake such studies. Additionally, the firm maintains the laboratories and equipment required for any cultural resource undertaking.

Our architectural history services include literature reviews and permit searches, consultation with historic groups, survey and identification of historic period built environment resources, California Register/National Register eligibility evaluations of built environment resources, and application of the Secretary of the Interior's Guidelines for the Rehabilitating Historic Buildings. Our professional staff is experienced at considering direct and indirect effects to historic resources and developing thoughtful and creative mitigation measures.

### Address

150 South Arroyo Parkway  
Pasadena, California 91105

### Phone Number

626.240.0587

### E-mail

[jdietler@swca.com](mailto:jdietler@swca.com)

### Contact Name

John Dietler

### Title

Cultural Resources Program  
Director

SWCA's presence in California began in 2001; since then, SWCA has expanded to three offices in Pasadena, San Luis Obispo, and Half Moon Bay. SWCA's 40-member Pasadena-based team is made up of archaeologists and architectural historians, biologists, and paleontologists. The Pasadena office includes a full lab and all of the equipment and facilities needed to conduct cultural resources projects of any size.

SWCA has more than 25 cultural resources specialists in California, including numerous Registered Professional Archaeologists and Secretary of the Interior-qualified Architectural Historians, as well as a full complement of experienced support staff. We specialize in compliance

# Curation Agreement



May 12, 2017

SWCA Environmental Consultants  
150 South Arroyo Parkway, 2<sup>nd</sup> Floor  
Pasadena, CA 91105

RE: Permit for Archaeological Investigations on Federal Land (2017-2020)

The Western Science Center will serve as a repository for this permit provided relevant standards and museum policies and procedures are fulfilled. Objects obtained through field surveys and mitigation contract activities in accordance with the California Environmental Quality Act (CEQA), the National Environmental Policy Act (NEPA), Native American Graves Protection and Repatriation Act (NAGPRA) or similar state and federal requirements may be accepted by the Western Science Center (WSC) only upon prior approval in writing by the WSC Director or Collections Manager. All collections submitted for approval must meet the following requirements:

- (1) minimum professional standards for specimen preparation and associated documentation
  - objects are identified and labeled for curation;
  - field notes, photos, and field maps will be deposited with objects at WSC;
  - documentation includes accurate stratigraphic and geographic data that are tied to the listing of field numbers for localities and objects;
  - use of archivally appropriate materials for housing and labeling objects;
- (2) provision of associated data in electronic format;
- (3) provision of copy of relevant report(s);
- (4) payment of repository fees.

The WSC will provide the current repository fee schedule, Initial Contact Sheet, an electronic template for data (available in Excel), and copies of appropriate policy and ethics statements for activities relating to collecting and documenting archaeological materials upon request.

Upon approval and receipt of collections, the WSC shall care for and house the collection according to standard museum protocol, and assume curatorial responsibility for such materials on behalf of the United States Government pursuant to 36 CFR 79 and relevant regulations. WSC adheres to professional standards for collections stewardship, registration, conservation, access, and use as recommended by professional paleontological, archaeological, and museum associations including the Society for Vertebrate Paleontology, National Park Service Museum Management Division, the American Association of Museums, the Society for the Preservation of Natural History Collections, and the American Institute for Conservation. The WSC has a current MOU with BLM, and is a Smithsonian Affiliate Museum.

Material received will be housed in the WSC Curation Repository and will be made available for scientific analysis and study. The Western Science Center acknowledges that the ownership, disposition, transfer, Tribal consultations, reproduction, as well as long-term loans of specimen or documentation remains with the BLM. Data will be available to qualified researchers, land managers, and government officials upon request. Confidentiality of sensitive site data will be maintained.

Please let me know if you have any further questions.

A handwritten signature in black ink, appearing to read 'Darla Radford'.

Darla Radford, M.A.  
Collections Manager [dradford@westerncentermuseum.org](mailto:dradford@westerncentermuseum.org)



# CURATION & REPOSITORY SERVICES

The Western Science Center research and curation facility adheres to professional standards for collections management as specified by the National Park Service, State of California Office of Historic Preservation, and federal regulation 36 CFR Part 79 for the curation of federally-owned and administered archaeological and paleontological collections.

 **WESTERN SCIENCE CENTER**

**Accepting  
Collections!**

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**Archaeology &  
Paleontology**

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**Curation, Repairs,  
Molding & Casting**

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**Record Searches**

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**Western Science Center**  
2345 Searl Parkway  
Hemet, CA 92543  
(951)791-0033  
[WesternScienceCenter.org](http://WesternScienceCenter.org)

**Contact:**  
**Darla Radford**  
**Collections Manager**



## Repository Fees for Archaeological Material

Upon receipt of collections, the Western Science Center (WSC) assumes responsibility for their stewardship. Collections are stored in an environmentally controlled facility with state-of-the-art collections storage equipment and supplies according to professional standards.

WSC adheres to professional standards for collections stewardship, registration and conservation as specified by: professional archaeological and museum associations including the American Association of Museums, the Society for the Preservation of Natural History Collections, the American Institute for Conservation; *Curation of Federally-Owned and Administered Archaeological Collections: Final Rule* (36 CFR Part 79); the State of California Office of Historic Preservation's *Guidelines for the Curation of Archeological Collections* (May 7, 1993); and the National Park Service, *Museum Handbook Part I, Museum Collections*. WSC staff consults with specialists when materials or situations require expertise beyond that provided by WSC professionals.

Rates are subject to change.

DESCRIPTION	AMOUNT**
Collections are fully processed, organized and stored according to WSC standards for curation and preservation;  Collections to be stored indefinitely under WSC stewardship	One time fees:  \$ 800 per box*  \$ 200 minimum fee per oversize object**
Preparation and packaging of collections -  <ul style="list-style-type: none"><li>• Labor and materials provided by WSC to upgrade submitted collection to meet standards</li><li>• Fee to be negotiated, based on requirements for WSC labor and quantity/type of archival supplies</li></ul>	One time fees:  \$ 250 per box* minimum
Conservation and stabilization of objects, or molding and casting of specimen	To be negotiated.

\* Prices are based on a standard 15 x 12 x 10-inch archival storage box with 30 lbs. weight limit.

\*\* "Oversize objects" are those that cannot be stored in a standard box due to size, shape or weight; a surcharge will be assessed for objects or materials that require customized housing or environmental controls, and all additional fees will be negotiated at the time of contract.

# Resumes to Support Principal Investigator Position

## **Education / Training**

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- Ph.D., Anthropology, University of California, Los Angeles, 2008
- M.A., Anthropology, University of California, Los Angeles, 2003
- B.A. magna cum laude, Anthropology, The George Washington University, Washington D.C., 1996
- Section 106 Compliance Training, SWCA Environmental Consultants, 2009
- CEQA Basics Workshop, Association of Environmental Professionals, 2008
- Project Manager Training, PSMJ, 2008

## **Registrations / Certifications / Permits**

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- Registered Professional Archaeologist, ID#15224, since 2003
- California BLM Permit, Principal Investigator, Statewide
- United States Forest Service Archaeological Resources Protection Act (ARPA) blanket permit, Angeles, Cleveland, Los Padres, and San Bernardino National Forests
- Death Valley National Park Archaeological Resources Protection Act (ARPA) blanket permit
- Nevada BLM Permit, Principal Investigator, Southern Nevada District
- Nevada Antiquities Permit, Principal Investigator, Statewide
- Certified Archaeological Consultant, County of Riverside (Certification #227)
- Certified Archaeologist, County of Orange
- First Aid and CPR Certification, American Heart Association, 2016

## **Experience Summary**

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Dr. Dietler is the cultural and paleontological resources program director and principal investigator for SWCA's six California and Pacific Islands offices and is a Regional Scientist in SWCA's Scientific Leadership Program. He is responsible for overseeing the production of high-quality cultural resources research across the state. As an archaeological principal investigator, he creates innovative research designs, mentors staff, and provides QA/QC for technical studies.

Dr. Dietler has over 23 years of experience in conducting cultural resources research in support of development, infrastructure, and multidisciplinary environmental projects in compliance with CEQA, NEPA, NAGPRA, and Sections 106 and 110 of NHPA. He has successfully worked with lead agencies at the local (e.g., Los Angeles County, City of Los Angeles), state (Caltrans, California Energy Commission), and federal (BLM, USFS, DoD) levels. He has also worked extensively with Native American tribes in southern California, conducting projects on reservation lands, engaging in consultation, and working closely with Native American monitors in a variety of settings.

He is a versatile consultant who has acted as the project manager or designated cultural resources Subject Matter Expert (SME) for over 400 projects in southern California, including general and specific plans, as well as technical studies supporting EIR, EIS, MND, and other environmental documents. He is expert at working with proponents, teaming partners, lead agencies, and technical staff from multiple disciplines to advance projects while managing risk through the execution of sound technical studies.

He has led or contributed to studies in Florida, Arizona, New Jersey, Canada, Mexico, Honduras, and Peru. His research interests are broad; he has presented scientific papers on prehistoric lithic use in San Diego County, Channel Islands craft specialization, early historic cemeteries in urban Los Angeles, the beginning of California's industrial revolution at Mission San Gabriel, and the origins of chiefdoms in southwest Florida. Dr. Dietler specializes in the analysis of prehistoric craft economies, particularly those of coastal hunter-gatherers. He has technical expertise in the analysis of flaked stone and marine shell artifacts. Dr. Dietler balances his application of

archaeological theory with project understanding to achieve meaningful results and full project compliance in a cost-effective manner.

Dr. Dietler is a member of the Register of Professional Archaeologists (RPA), Society for American Archaeology (SAA), and the Society for California Archaeology (SCA). He has authored or co-authored book chapters, and peer-reviewed publications, along with hundreds of professional reports. He has conducted peer review of scholarly articles for *American Antiquity*, *Pacific Coast Archaeological Society*, *Journal of California and Great Basin Anthropology*, and *The Florida Anthropologist*. Dr. Dietler has served as an expert witness in cases where California history was a central issue. In addition to consulting, he has taught anthropology and archaeology at UCLA and Santa Monica College and has lectured at the Getty Conservation Institute, the Santa Barbara Museum of Natural History, California State University (CSU) Channel Islands, CSU Northridge, CSU Los Angeles, and CSU San Bernardino, and before a variety of local historical societies and business groups.

## **Project Experience**

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### **Transportation Projects**

**ACE San Gabriel Trench Grade Separation Environmental Compliance Services; Alhambra, San Gabriel, and Rosemead California; Alameda Corridor-East Construction Authority;** Over nearly a decade, SWCA conducted a cultural resources project of unmatched scale and complexity. The scope of work included technical studies and prepared Environmental Impact Report sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National Register of Historic Places (NRHP) and California Register of Historical Resources (CRHR) listed San Gabriel Mission site. These included a Phase I survey, extended Phase I (XPI) testing, Phase II NRHP evaluation, multiple Phase III archaeological data recoveries, as well as the preparation of HABS and HAER documentation, and the nomination of the mission as a National Historic Landmark. The project's results were disseminated broadly, including through numerous publications for professional and public audiences. *Role: Principal Investigator and Assistant Project Manager. Oversaw all cultural resources work for the project. Senior author or quality control officer for all key planning documents and technical reports.*

**Los Angeles County Metro Crenshaw/LAX LRT Transit Corridor EIR; Los Angeles, Los Angeles County, California; Terry Hayes and Associates.** SWCA conducted surveys and research, and prepared technical reports to identify and evaluate historic architectural and archaeological resources and to analyze effects of construction and implementation of the proposed project. *Role: Principal Investigator. Quality control officer for key planning documents and supporting technical reports.*

**Los Angeles County Metro Regional Connector Transit Corridor, Los Angeles County, California; CDM Smith, Inc.** SWCA prepared historic, archaeological and paleontological resources sections of the EIR alternatives analysis in support of the Regional Connector Transit Corridor Project. *Role: Principal Investigator: Lead field, technical reporting, and alternatives analysis for archaeological resources for a proposed light rail system through the historic core of downtown Los Angeles. Assessed effects and proposed creative mitigation for several known archaeological resources, including the Los Angeles zanja system.*

**California High Speed Rail, Merced to Fresno Segment, Geoarcheology Study; Merced, Madera, and Fresno counties, California; AECOM.** On behalf of the California High-Speed Rail Authority, AECOM retained SWCA to assist with a review of the 60-mile-long preferred high-speed rail Hybrid Alternative for the north-south alignment between Merced and Fresno, covering portions of Merced, Madera, and Fresno counties. SWCA provided a landscape-scale geoarchaeological analysis of the proposed alignment. This analysis was accomplished through field reconnaissance of the alignment and a detailed literature review. The reconnaissance included auger probes

and bank face profiles completed in an effort to find buried surfaces that have the potential to contain archaeological materials. SWCA used data derived from research and fieldwork in a sensitivity map that was used to select the superior alternative for the rail segment. *Role: Project Manager and Cultural Resources Principal Investigator. Managed project and provided research direction and QA/QC for all cultural resources deliverables.*

**Port of Los Angeles On-Call Cultural Services; Los Angeles, Los Angeles County, California; CDM Smith, Inc.** SWCA provided cultural and paleontological resources services for a dozen different projects over a 9-year period, including the identification and evaluation of a pre-war Japanese fishing village, preparing a Historic Context Statement for Terminal Island, salvaging and curating over 15,000 fossil specimens in the course of paleontological monitoring, and conducting archaeological monitoring and performing historic building surveys and evaluations at multiple locations. *Role: Contract Manager and Principal Investigator. Managed contract and task orders, and provided QA/QC of deliverables.*

### **Land Development Projects**

**LA Plaza de Cultura y Artes Project; City and County of Los Angeles, California; Client: County of Los Angeles.** Across seven contracts, three directly with the County of Los Angeles, SWCA provided expert cultural resources consultation for the LA Plaza de Cultura y Artes campus, in compliance with state and federal laws including Section 106 of the NHPA, the Native American Graves Protection and Repatriation Act (NAGPRA), NEPA, and CEQA. Services provided to date included archaeological laboratory analysis, treatment and reburial of human remains, historical research, Native American and other interested party consultation, expert witness services, archaeological testing and data recovery, archaeological and Native American monitoring, technical reports, a Historic Properties Management Plan, an update to the Los Angeles Plaza Historic District National Register of Historic Places District nomination, and an Addendum EIR. SWCA provided technical expertise and consultation at the highest level, ensuring compliance and allowing numerous phases of the project to come to successful conclusions. *Role: Lead Consultant, Principal Investigator, and Project Manager.*

**635 Western Boulevard Historic Resources Evaluation; Los Angeles, California; Client: Jamison Properties, L.P.** SWCA conducted background research and an historic survey and evaluation, and prepared a historic resources assessment report, including a project impacts analysis, for a Welton Becket-designed property of historic age in Koreatown, Los Angeles. *Role: Project Manager and QC Officer.*

**Browns Complex Mound 4 Monitoring Project, Pine Island, Florida; Bundschu Kraft.** In support of a residential development project atop a mound of native Calusa construction, provided a research design, construction monitoring, site mapping, artifact analysis, and technical report preparation. *Role: Project Manager and Principal Investigator.*

**Waikoloa Reservoir Tree Removal; Waimea, Hawaii, Hawaii; Kleinfelder, Inc.** SWCA was retained by Kleinfelder, Inc. to assist with repairs to the Waikoloa Reservoir No. 1 associated with earthquake damage, and to clear a buffer zone to allow access for maintenance and inspections of the reservoir in Waimea, on the Island of Hawai'i. SWCA's scope included background research, field survey, consultation with stakeholders including SHPD, and reporting on any cultural resources that may be eligible for the HRHP and the NRHP in the APE for visual effects. The work was conducted in conformance with Hawai'i historic preservation legislation, HRS 6E-8 and 343, and HAR 13-13-275 and 13-13-276, as well as Section 106 of the NHPA, due to Federal Emergency Management Agency (FEMA) funding. SWCA documented a well-preserved stacked stone feature outside of the APE, but identified no historic properties within the APE. Therefore, the recommendation was that the undertaking will result in No Historic Property Affected. *Role: Cultural Resources Specialist and Quality Control Officer.*

### Water Projects

**Paso Robles Wastewater Treatment Plant Upgrade Project; Paso Robles, San Luis Obispo County, California; City of Paso Robles.** SWCA prepared an IS/MND and Section 106 compliance documents, and provided Section 7 Consultation for the project, which consists of upgrades to the existing wastewater treatment plant to produce tertiary 2.2 quality recycled water, as defined by California's Title 22 recycled water regulations, to provide for recycling of some or all of the water, instead of discharging it to the Salinas River, and support the use of recycled water in the City.. *Role: Principal Investigator.*

**San Jose and Santa Clara Wastewater Treatment Plant Archaeological Monitoring; San Jose; Walsh Construction Company.** SWCA conducted a cultural resources monitoring program in support of the Sludge Equalization Tank Excavation for the San Jose Digester and Thickener Facility Upgrade within the San Jose/Santa Clara Regional Wastewater Treatment Facility. *Role: Principal Investigator.*

### Energy Generation Projects

**Blythe Solar Power Project (BSPP) Cultural and Paleontological Resources Support; Riverside County, California (2010-Present).** SWCA conducted cultural and paleontological resources studies in support of this 1,000 MW thermal solar generation project, preparing a PRMMP, CRMMP, and WEAP training, providing cultural and paleontological surveys, testing, geoarchaeological, and data recovery studies in support of the application for certification. Served as alternate Cultural Resources Specialist, principal investigator, project manager, and quality control officer for archaeological, geoarchaeological, and geophysical reports in support of a solar power generation facility in the Colorado Desert. Led innovative magnetometry and ground penetrating radar remote sensing studies aimed at detecting subsurface archaeological features in a proactive and cost-effective manner. Conducted paleontological monitoring during construction. *Role: Principal Investigator, Project Manager. Coauthored CRMMP and directed all cultural resources efforts for SWCA. Managed paleontological monitoring during construction. Clients: AECOM, Dudek. Owner: NextEra Energy Resources*

**Mojave Solar Project; San Bernardino County, California; CH2M.** SWCA provided geoarchaeological testing in support of the Application for Certification (AFC) for the project, a 280-megawatt, gross, solar thermal power-generating facility. During construction, SWCA supported cultural resources construction monitoring and prepared a Cultural Resources Report in compliance with guidelines provided by the Bureau of Land Management and the California Energy Commission. SWCA participated in consultation with the San Manuel Band of Mission Indians. *Role: Project Manager and Principal Investigator.*

**Valentine Solar Project; Kern County, California; Provost and Pritchard Consulting Group.** SWCA conducted biological, cultural, and paleontological studies in support of siting and permitting this proposed 1,284 acre photovoltaic solar generation facility. *Role: Project Manager and Cultural Resources Principal Investigator. Managed project and provided research direction and QA/QC for all cultural resources deliverables.*

**Solar Energy Zone Sample Surveys; Riverside County, California; U.S. Bureau of Land Management.** SWCA carried out cultural resource studies for selected Solar Energy Zones (SEZs) across multiple field offices in Arizona, California, and Nevada. This multi-state study is designed to assist federal land managers in predicting the density, distribution, and types of resources present in the various SEZs. Coordinating across regional SWCA offices and consulting with in-state BLM personnel, SWCA developed sampling plans and performed Class II cultural resource inventories and evaluations. Within the California SEZs, SWCA performed Class II surveys within 6,172 acres of land administered by the El Centro and Palm Springs-South Coast BLM Districts. Within the two survey areas, SWCA identified 155 archaeological sites. SWCA worked closely with BLM archaeologists both at the federal level and in local field offices to accomplish the work within a strict timeline and even provide draft results for immediate application. *Role: Principal Investigator. Lead researcher and QA/QC officer for all work within California.*

**Suncrest Reactive Power Support Project; San Diego County, California; NextEra Energy Transmission – West, LLC.** SWCA is providing planning and permitting support for a dynamic reactive power support facility and associated 230-kilovolt (kV) transmission line near Alpine, CA. Services include routing and siting support; alternatives analysis; cultural, biological, and paleontological surveys; preparation of a Proponent's Environmental Assessment (PEA); and discretionary environmental permitting support. The application for Certificate of Public Convenience and Necessary was filed in summer 2015 and the PEA was deemed complete in December 2015 (Application No. A.15-08-027). *Role: Cultural Resources Principal Investigator. Responsible for direction on project approach and QA/QC.*

**Giffen Solar Photovoltaic Site PEA; Fresno County, California; PG&E.** SWCA prepared Proponent's Environmental Assessment for a 20-megawatt solar facility and generation interconnection projects located in the San Joaquin Valley. *Role: Cultural Resources Principal Investigator. Responsible for direction on project approach and QA/QC.*

**North American Electric Reliability Corporation (NERC) Compliance Program; Multiple Counties, California; PG&E.** SWCA provided programmatic support to ensure compliance with NERC and CPUC GO 95 for the modification of over 200 electric transmission structures on 60 different transmission lines throughout California. SWCA assisted in managing the environmental review process, identifying and securing regulatory approvals, and managing environmental compliance. *Role: Cultural Resources Principal Investigator. Responsible for direction on project approach and QA/QC.*

**Fairhaven Substation 12 kV and 60 kV Rebuild; Arcata, Humboldt County, California; PG&E.** SWCA provided support for PG&E's Fairhaven Substation 12 kV rebuild and new 60 kV Ringbuss project, which required a coastal development permit, as well as ministerial permits. This support included Land and Environmental Project Management, meeting attendance, and coordinating activities among various PG&E departments. *Role: Cultural Resources Principal Investigator. Responsible for direction on project approach and QA/QC.*

**McCoy Solar Energy Project (MSEP) Archaeological and Geoarchaeological Support; Riverside County, California (2011-2013).** SWCA designed and executed a geoarchaeological testing program to assess the likelihood for the project area to contain buried archaeological deposits. The program included geoarchaeological trenching and boring, analysis, and reporting. In addition, SWCA provided BLM-approved Cultural Resources Monitors to conduct cultural resources surveys, testing, monitoring, and geoarchaeological monitoring. *Role: Cultural Resources Principal Investigator. Provided research direction and QA/QC for all cultural resources deliverables. Client: AECOM. Owner: NextEra Energy Resources*

**Genesis Solar Energy Project (GSEP) Archaeological and Geoarchaeological Support; Riverside County, California (2011-2013).** SWCA designed and executed a geoarchaeological testing program in support of Phase II mitigation of a buried prehistoric cultural resource discovered during the construction of GSEP. The program included a ground penetrating radar survey with ground-truthing excavations, geoarchaeological trenching, analysis, and reporting. In addition, SWCA provided BLM- and CEC-approved Cultural Resources Monitors to conduct cultural resources monitoring. *Role: Project Manager and Cultural Resources Principal Investigator. Managed overall project and provided research direction and QA/QC for all cultural resources deliverables. Client: AECOM. Owner: NextEra Energy Resources*

**Kramer Junction Solar Energy Center Project; San Bernardino County, California; NextEra Energy Resources (2009-2012).** SWCA conducted a general biological resources assessment, habitat assessments, focused surveys, reporting, and permitting in support of the project. The project identified and provided CRHR eligibility recommendations for nine historic period resources in the western Mojave Desert. *Role: Principal Investigator. Coauthored report and responded to public comments on the EIR.*

**Stockton Generation Project; San Joaquin, Stanislaus, and Merced Counties, California (2009):** Principal investigator for cultural resources studies in support of the Application for Certification (AFC) for a 530 MW natural

gas power plant and associated linear facilities. Served as coauthor and quality control officer for archaeological survey, historic built survey, and geoarchaeological testing reports, as well as the AFC section. Geoarchaeological test plan was lauded by California Energy Commission (CEC) reviewers as “particularly well-conceived” and “a model for proposals for geoarchaeology studies on future siting cases.” *Role: Principal Investigator. Client: Power Engineers.*

**North Sky River Wind Generation Project; Kern County, California; AECOM.** SWCA provided a rapid response team of eight archaeological technicians and two archaeological crew chiefs to assist with unanticipated archaeological evaluation during the ground-disturbing activities in support of construction of an interconnecting transmission line. *Role: Project Manager. Organized the rapid response team and managed the project budget and schedule.*

#### **Energy Transmission and Telecom Projects**

**SCE Operations and Maintenance On-call Contract for Natural, Cultural, and Water Resources Services; Multiple Counties, California; Southern California Edison Company.** Under a three-year on-call contract, SWCA has completed more than 2,300 survey and monitoring consultant work authorization tasks in support of various utility projects including deteriorated pole replacements, grid reliability and maintenance, GO 131-D, emergency services, vegetation management, and transmission line rating remediation. Projects are located throughout Southern California Edison's territory in Los Angeles, Kern, San Bernardino, Riverside, Ventura, Orange, Mono, Inyo, and Tulare Counties; projects are located on land administered by numerous agencies including the United States Department of Defense, the Bureau of Land Management, United States Forest Service, the National Park Service, and California State Parks. *Role: Contract Manager and Cultural Resources Principal Investigator. Oversees general contract performance, including budget and schedule tracking, quality assurance, and safety.*

**SCE Catalina Metropole Vault Replacement Project; Avalon, Los Angeles County, California; Southern California Edison Company.** Southern California Edison retained SWCA to assist with cultural resources compliance for the Metropole Vault Replacement Project. Scope items included archaeological data recovery, laboratory analysis, and reporting related to the unanticipated discovery of dense prehistoric archaeological deposits containing human remains under the streets of Avalon, Catalina Island, California. *Role: Project Manager and Cultural Resources Principal Investigator. Responsible for direction on project approach and QA/QC.*

**Bowls Building Cultural Resources Survey; Honolulu, Oahu, Hawaii; Bureau Veritas North America, Inc.** SWCA was retained by Bureau Veritas to assist with planning for the installation of rooftop cellphone communication facilities in upper Waikīkī, Honolulu, O'ahu, Hawai'i. SWCA's scope included background research, field survey, consultation with stakeholders including SHPD, and reporting on any cultural resources that may be eligible for the Hawai'i Register of Historic Places (HRHP) and the National Register of Historic Places (NRHP) in the area of potential effects (APE) for visual effects. The work was conducted in conformance with Hawai'i historic preservation legislation, Hawai'i Revised Statutes (HRS) 6E-8 and 343, and Hawai'i Administrative Rules (HAR) 13-13-275 and 13-13-276, as well as the Federal Communications Commission (FCC) Nationwide Programmatic Agreement under Section 106 of the NHPA. One historic property, the Equus Hotel building (built 1960), was identified and recommended eligible for the HRHP and the NRHP during the study. Because the proposed installation of a rooftop communication facility would replace and join existing and similar, modern telecommunications infrastructure, the proposed undertaking will have no adverse effect on this historic property. *Role: Cultural Resources Specialist and Quality Control Officer.*

**Humboldt Bay - Humboldt #1 60 kV Reconductoring Project; Eureka, Humboldt County, California; PG&E.** SWCA was retained by PG&E to prepare a Proponent's Environmental Assessment (PEA) and assist with the Consolidated Coastal Development Permit (CDP) for the Humboldt Bay-Humboldt #1 60 kV Reconductoring Project. The intent and purpose of the Project was to improve transmission system reliability for portions of unincorporated Humboldt County and the City of Eureka. The project included replacing the existing single-circuit

of 336 AAC conductor and 2/0 copper conductor and connectors with oil impregnated 715 kcmil aluminum; and replacing 91 of the existing 120 wood poles with light-duty steel poles along the approximately 8.4 miles of the existing 60 kV power line. *Role: Cultural Resources Principal Investigator. Responsible for direction on project approach and QA/QC.*

**Nipomo PG&E Environmental Studies; San Luis Obispo County, California; SAC Wireless.** SWCA conducted biological surveys, Phase I archaeological surveys, and a visual impact assessment for the construction of an automated wireless communication facility in the community of Nipomo. *Role: Principal Investigator. Responsible for direction on project approach and QA/QC.*

**Sunrise Powerlink Project Environmental Impact Statement / Environmental Impact Report; San Diego and Imperial Counties, California (2008):** Contributing author for addendum technical report for this approximately 125-mile long transmission line project. Work includes: review and analysis of work conducted by San Diego Gas & Electric's cultural resources team; records searches, cultural resources surveys, and reporting for alternative analyses; and preparation of cultural resources section of the EIS/EIR. *Role: Cultural Resources Specialist. Client: Aspen Environmental for the California Public Utilities Commission.*

#### State and Local Government Projects

**City of San Gabriel Historic Preservation Ordinance Update; San Gabriel, California; City of San Gabriel.** SWCA is providing cultural resources services in support of proposed updates to the City's Historic Preservation Ordinance. Tasks include literature review, analysis of preservation policy options, preparation of draft and final ordinance, and participation in stakeholder meetings. *Role: Principal Investigator providing senior oversight.*

**Los Angeles Department of Public Works On-Call Contract; Los Angeles County, California; City of Los Angeles.** SWCA provided on call specialty environmental services, including historic property surveys, historic structures reports, Historic American Engineering/Building Surveys, and historic monument nominations; archaeological surveys, sampling, excavation, monitoring and analysis. *Role: Principal Investigator. Oversaw cultural resources work conducted for the contract, including staffing and cultural resources technical QA/QC.*

**Port of Los Angeles On-Call Cultural Services; Los Angeles, Los Angeles County, California; CDM Smith, Inc.** SWCA On-Call Archaeological support during construction of the TraPac Buffer, TraPac Wharf and Backlands, Cabrillo Marina, Evergreen Container Terminal EIR/EIS, Avalon Triangle Park, Terminal Island Historic Survey and Context Statement, Al Larson Boat Shop, and Berths 167-169 projects at the Port of Los Angeles (POLA). *Role: Principal Investigator. Provided QA/QC of report documents.*

**Department of Water and Power Specific Plan Amendment Environmental Impact Report (EIR), Seal Beach, Orange County, California; RBF Consulting.** SWCA conducted cultural and paleontological resources studies in support of the Department of Water and Power Specific Plan for the City of Seal Beach, California pursuant to CEQA. The studies included records searches, field surveys, technical reports, EIR section preparation, and testifying at a public meeting. *Role: Principal Investigator. Lead researcher and quality control officer.*

**Clovis General Plan Update and Environmental Impact Report; City of Clovis, Fresno County, California; PlaceWorks.** SWCA performed a cultural resources study in support of the City of Clovis General Plan Update and EIR. Efforts included a records and literature search, coordination with Native American groups, assistance to the City of Clovis with Senate Bill 18 coordination, and the preparation of a cultural resources technical report. *Role: Principal Investigator. Provided quality control for all cultural resources element of the study.*

**LA Plaza de Cultura y Artes Project; City and County of Los Angeles, California; Client: County of Los Angeles.** SWCA provided expert consultation for the treatment of the human remains from a historic cemetery in accordance with state and federal laws including Section 106 of the NHPA, the Native American Graves Protection

and Repatriation Act (NAGPRA), NEPA, and CEQA. This work included archaeological laboratory analysis, historical research, Native American and other interested party consultation, providing an expert witness for the National NAGPRA meeting, archaeological excavation, archaeological and Native American monitoring, technical reports, a Historic Properties Management Plan, and an update to the Plaza National Register of Historic Places District nomination form. SWCA provided technical expertise and consultation at the highest level, ensuring compliance and allowing the project to come to a successful conclusion. *Role: Lead Consultant and Project Manager. Organized public meetings and government-to-government consultation, peer reviewed and prepared technical documents, and aided the County of Los Angeles in achieving compliance with federal law. Assisted with the repatriation and reburial of human remains.*

**LA Unified School District High School #9 City Cemetery Project; Los Angeles, California; Client: AECOM.** Provided a detailed analysis of coffins, caskets, and other grave furnishings for a data recovery project within Los Angeles' first public cemetery, which dates to the late 1800s. Lead author of a chapter in the project's published monograph. Praised by the client for providing high-quality results within a short timeframe. *Role: Senior Archaeologist.*

#### **Federal Projects**

**Edwards Air Force Base Context Study: Air Force Research Laboratory (AFRL) Complex; Edwards Air Force Base, Kern County, California; Tetra Tech, Inc.** SWCA completed a comprehensive, context-driven historic resources survey and historic district update of the Edwards Air Force Base Air Force Research Laboratory. Using the Multiple-Property Documentation (MPD) Historic Context Statement SWCA developed in 2013, SWCA architectural historians completed an intensive-level survey and evaluation of over 230 properties. SWCA prepared a technical report, which documented the results and provided management recommendations. *Role: Contract Manager and Quality Control Officer. Provided final quality assurance for project schedule, technical deliverables, and client and agency interactions.*

**Naval Facilities Engineering Command (NAVFAC) Southwest Indefinite Deliverable/Indefinite Quantity Contract (IDIQ), Multiple Counties, Arizona, California, Colorado, New Mexico, Nevada, Utah; NAVFAC Southwest.** SWCA held an on-call contract with NAVFAC Southwest for cultural resources services from 2004 through 2014. Awarded task orders included archaeological survey of tens of thousands of acres, archaeological evaluation of dozens of sites, historical survey and evaluation of numerous buildings, HABS documentation, NAGPRA inventory, and the preparation of Integrated Cultural Resource Management Plans (ICRMP) for 10 Naval and Marine installations. *Role: Contract Manager, Principal Investigator, and Project Manager. Managed and served as lead researcher and QA/QC reviewer for more than half of the 18 IDIQ task orders. As Program Manager, coordinated all staff and small business subcontractors.*

**Johnsondale Archaeological Evaluation; Tulare County, California; USFS Sequoia National Forest.** Principal Investigator and technical report coauthor for the NRHP evaluation of a large prehistoric archaeological site. Used a testing grid and GIS to produce a predictive site density model, allowing a new water line to be installed with the smallest possible impact to the significant archaeological site. *Role: Principal Investigator.*

**Point Arena California Coastal Marine Automated network (C-MAN) Station Section 106 Compliance; Point Arena, California; GeomorphIS.** SWCA was retained by GeomorphIS on behalf of NOAA to provide Section 106 compliance for this project, which will relocate the Point Arena California Coastal Marine Automated network (C-MAN) Station to a new site. SWCA delineated an area of potential effects (APE), conducted archaeological and historic built environment surveys, and archaeological presence/absence testing, producing a technical report and a finding of effect. The team updated the NRHP-listed Point Arena Light Station historic district by identifying and evaluating new contributors, and evaluated a newly identified prehistoric archaeological site, consulting with the California SHPO to ensure that the project did not result in adverse effects to historic properties. *Role: Project manager, archaeological principal investigator.*

**Joint Forces Training Base (JFTB) Los Alamitos Energy Resilience System Project; Los Alamitos, CA; GeomorphIS, LLC.** The U.S. Army Corps of Engineers retained Tetra Tech, Inc. to conduct a cultural resources study in support of the proposed Joint Forces Training Base (JFTB) Los Alamitos Energy Resilience System Los Alamitos, California Project. SWCA conducted a cultural resource records search and literature review, a pedestrian survey, extended Phase I testing, and prepared a technical report and an EA section under Section 106 of the NHPA. *Role: Project manager and quality control officer.*

### Oil and Gas Projects

**Cultural, Natural, and Paleontological Resources On-call Contract; Southern California; SoCal Gas.** SWCA provided cultural resources services in support of projects throughout the SoCal Gas territory, from Santa Ana to Riverside to Lompoc. Projects included archaeological records searches, survey, monitoring, data recovery, laboratory analysis, and reporting. *Role: Program Manager and Principal Investigator. Oversaw general contract performance including budget and schedule tracking, quality assurance, and safety.*

**BP Port Richmond Archeological Monitoring; Richmond, Contra Costa County, California; Brinderson, L.P.** SWCA was retained to conduct archaeological monitoring during the installation of pipeline monitoring equipment and prepare a technical report summarizing the results. Because the project was proposed within an archaeologically sensitive area, defined for prehistoric site CA-CCO-294, the Port of Richmond required an archaeological monitor to be present during ground-disturbing activities in accordance with the project EIR and CEQA. SWCA monitors documented intact and disturbed elements of a shell midden associated with site CA-CCO-294 and worked with project proponents and the Port of Richmond to avoid impacts to the site while allowing the project to proceed. *Role: Project manager and principal investigator. Dr. Dietler acted as the primary client and agency contact, manager of staff and budget, and scientific and quality control lead.*

**Antelope Valley 3D Seismic; Kern County, California; GeoKinetics, Inc.** SWCA conducted cultural resources surveys of 3,000 acres of BLM administered lands in support of Occidental Petroleum Corporation's Antelope Valley 3D Seismic program. The scope included the recordation of numerous archaeological sites, and the completion of a technical report. *Role: Principal Investigator. Provided research direction and QA/QC for all cultural resources deliverables.*

**MOCO 3D Seismic Survey; Multiple Counties, California; Oxy USA, Inc.** SWCA conducted archaeological surveys in the west Kern County at the southern end of the historic Midway-Sunset Oilfield. SWCA recorded archaeological sites and worked with the seismic operators and BLM to assist in compliance with Section 106 of the NHPA. *Role: Principal Investigator. Provided research direction and QA/QC for all cultural resources deliverables.*

**Apex 3D Seismic; Kern County, California; Robert A. Booher Consulting.** SWCA was retained by Robert A. Booher Consulting to conduct a cultural resources inventory in support of the proposed Aera Energy Apex 3D Seismic Project. This study was intended to identify and describe cultural resources within the 5,872 acres of BLM-administered lands within the 34,679-acre project area that would potentially be affected by ground-disturbing activities associated with the project. SWCA conducted a cultural resources records search of the entire project area, as well as a survey of the project area. During field surveys, SWCA identified and recorded 89 cultural resources, documenting them on California Department of Parks and Recreation (DPR) resource forms and in a comprehensive technical report, which included management recommendations. SWCA mobilized a large team that provided strong technical work and coordinated closely with the BLM, ensured the project's adherence to an aggressive schedule and the avoidance of impacts to cultural resources. *Role: Principal Investigator. Provided research direction and QA/QC for all cultural resources deliverables.*

**All American Pipeline Conversion Survey, Daggett to Blythe Segment, San Bernardino and Riverside Counties, California; KEA Environmental.** Directed two field crews on a 170-mile long archaeological survey for the conversion of a high-pressure gas pipeline in the Mojave Desert. The survey recorded numerous resources,

including 93 archaeological sites and 22 isolated artifacts. *Role: Archaeological Field Director. Employer: Tierra Environmental Services.*

### Professional Experience

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**SWCA Environmental Consultants; Pasadena, California (2008-present):** Responsibilities include overseeing scopes of work, budgets, project task completion, and compliance issues; writing and editing technical reports; and archaeological field work including survey, testing, data recovery, monitoring, and laboratory analysis, and report preparation and writing. *Role: Director, California and Pacific Islands Cultural and Paleontological Resources Program.*

**Calusa Origins Project; Pine Island Sound, Florida (2005–2008):** Responsibilities included coordinating 72 field and lab technicians and resources from eight federal, state, and local agencies. Mapped and excavated two prehistoric sites; created and analyzed an extensive database of museum-held artifacts. *Role: Principal Investigator.*

**EDAW, Inc.; Los Angeles, California (2005–2008):** Responsibilities included directing field projects, conducting archaeological field and laboratory research, and writing technical reports. *Role: Staff Archaeologist.*

**UCLA Department of Anthropology; Los Angeles, California (2002-2007):** Lectured, led discussions, graded papers and exams for 11 quarters. Courses: Introduction to Archaeology, Human Evolution, and Introduction to Psychological Anthropology. Nominated for Distinguished Teaching Award in 2007. *Role: Teaching Fellow.*

**Laguna Mountain Environmental; San Diego, California (2004):** Oversaw marketing, field operations, and payroll of ten-employee archaeological firm during the principal's leave-of-absence. *Role: Acting Principal.*

**Santa Monica College Department of Earth Science; Santa Monica, California (2005-2006):** Taught World Archaeology for two semesters, incorporating applied archaeology, citizen science, and local historical archaeology into the curriculum. The class research project focused on using data gathered by the students at Santa Monica's Woodlawn Cemetery, founded in 1897. *Role: Adjunct Professor.*

**Channel Islands Lab, Cotsen Institute of Archaeology, UCLA; Los Angeles, California (2002):** Supervised dozens of students in the analysis of Chumash materials from Santa Cruz Island. *Role: Laboratory Supervisor.*

**Tierra Environmental Services; San Diego, California (1999–2001):** As second-most senior staff member in the archaeological division, oversaw multiple-state surveys, large data recoveries, and many smaller projects throughout southern California. Lead author for dozens of technical reports. Worked closely with Native American tribes to produce high quality, culturally appropriate, and federally compliant archaeological and ethnographic studies. Prepared winning project proposals with realistic, yet profitable budgets. *Role: Archaeological Field Director.*

**Mooney and Associates; San Diego, California (1997–1999):** Rapidly promoted from field technician to full-time staff. Participated in all phases of archaeological research, including background research, survey, testing, data recovery, construction monitoring, laboratory analysis, and artifact curation. Supervised field crews, aided in research design, wrote technical reports. *Role: Staff Archaeologist.*

**Cultural Resource Consulting Group; West Caldwell, New Jersey (1996–1997):** Excavated eighteenth century mill site in northern New Jersey. *Role: Archaeological Technician.*

**Lassen National Forest, US Forest Service, Chester, California (1996):** Surveyed and excavated historic and prehistoric sites in the High Sierras. Supervised volunteers in the excavation of a Late Prehistoric rock shelter site. *Role: Archaeological Technician.*

**Talgua Archaeological Project, The George Washington University, Catacamas, Honduras (1995):** Participated in the excavation and laboratory analysis of a large prehistoric site in eastern Honduras. Supervised the fieldwork. *Role: Field Supervisor.*

**Naco Valley Archaeological Project, Kenyon College, Cofradia, Honduras (1995):** Participated in semester-long field training in Mesoamerican archaeology. Led a team of excavators in the independent investigation of craft production precinct of a ninth century town; reported the results in an undergraduate honors thesis. *Role: Field Supervisor.*

## Publications

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Dietler, John, Heather Gibson, and Benjamin Vargas. Accepted for Publication. 2017. "A Mourning Dirge was Sung:" Community and Remembrance at San Gabriel Mission, in *The Forging of Communities in Colonial Alta California, 1769-1834*, edited by Kathleen L. Hull and John G. Douglass. University of Arizona Press, Tucson.

Dietler, John, Heather Gibson, and James M. Potter. 2015 *Abundant Harvests: The Archaeology of Industry and Agriculture at San Gabriel Mission*. SWCA Anthropological Research Paper Number 11. SWCA Environmental Consultants, Pasadena, California.

Dietler, John. and C. Ehringer. 2012. Coffins, Caskets, and Rough Boxes: Site Structure and Mortuary Features. In *Not Dead but Gone Before: The Archaeology of Los Angeles City Cemetery*, edited by H. Gibson and S. Dietler, AECOM Cultural Heritage Publication Number 4, San Diego.

Dietler, John. and T. A. Wake. 2009. Crab Exploitation in Early Formative Soconusco. In *Settlement and Subsistence in Early Formative Soconusco: El Varal and the Problem of Inter-Site Assemblage Variation*, edited by R.G. Lesure. Cotsen Institute of Archaeology Press, Los Angeles.

Dietler, John. 2008. Craft Specialization and the Emergence of Political Complexity in Southwest Florida. PhD Dissertation, Department of Anthropology, UCLA.

Dietler, John. 2004. Lithic Material Use in Late Prehistoric San Diego County. In *Proceedings of the Society for California Archaeology*, Volume 14. Edited by D. Day, S. Waechter, and K. Coulter. Society for California Archaeology, San Diego.

Dietler, John. 2003. The Specialist Next Door: Microblade Production and Status in Island Chumash Households. MA Thesis, Department of Anthropology, UCLA.

## Presentations

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Myths of Avalon: Recent Archaeological Excavations at CA-SCAI-29, Catalina Island, *Society for California Archaeology*, Fish Camp, California, March 2017 [Co-authors: S. Dietler, A. Newcomb, B. Kendig]

Myths of Avalon: Recent Archaeological Excavations at CA-SCAI-29, Catalina Island, *California Islands Conference*, Ventura, California, October 2016 [Co-authors: S. Dietler, A. Newcomb, B. Kendig]

"A Mourning Dirge was Sung:" Community and Remembrance at Mission San Gabriel, *Society for American Archaeology*, San Francisco, California, April 2015 [Co-authors: H. Gibson and B. Vargas]

There is No Try: Moving an Immovable Object at Mission San Gabriel, *Society for California Archaeology*, Visalia, California, March 2014 [Co-author: S. Carmack]

Parece Razón: Evidence for Native Americans at Mission San Gabriel, California, *Society for American Archaeology*, Austin, Texas, April 2014 [Co-authors: B. Vargas and J. Potter]

California Mission Archaeology in the Los Angeles Area, Organized Symposium, *Society for American Archaeology*, Honolulu, Hawaii, March 2013

Mission and Pueblo: The Mission Period Archaeology of San Gabriel and Los Angeles, *Society for American Archaeology*, Honolulu, Hawaii, March 2013

Water at the San Gabriel Mission and the Intensification of Production: The Industrial Revolution Comes to California, *Society for American Archaeology*, Honolulu, Hawaii, March 2013 [Co-author: L. Hoffman]

All over the Map: Late Holocene Travel and Exchange at MCAGCC Twentynine Palms, *Society for California Archaeology*, San Diego, California, March 2012

Archaic Period Hunting and Milling in the Western Great Basin: Evidence from NAS Fallon, *Society for California Archaeology*, San Diego, California, March 2012 [Co-author: C. Cisneros]

A Pirate walks into a Church: Excavations at Chapman's Mill, Mission San Gabriel, *Society for California Archaeology*, Riverside, California, March 2010

The Emergence of Hunter-gatherer Complexity in South Florida, Organized Symposium, *Society for American Archaeology*, Vancouver, Canada. [Co-organizer: M. Schwadron]

The Rise of Chiefly Craft Economies in Southwest Florida, *Society for American Archaeology*, Vancouver, Canada, March 2008

Coffins, Caskets, Crypts, and Rough Boxes: Grave Choices at Los Angeles City Cemetery, *Society for California Archaeology*, Burbank, California, April 2008

Complexity, Canoes, and Shell Tools in South Florida, *Society for American Archaeology*, San Juan, Puerto Rico, April 2006

The Snail that Built a Chiefdom: Shell Tools and Politics in South Florida, *UCLA Friends of Archaeology*, Los Angeles, California, May 2005

The Power of the People: Craft Production and Status in Historic Period Chumash Households, *Society for American Archaeology*, Montreal, Canada, April 2004

Lithic Material Use in Late Prehistoric San Diego County, *Society for California Archaeology*, Riverside, California, April 2000

#### **Awards / Honors / Grants / Fellowships**

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- 2014      Martin E. Weil Historic Preservation/Conservation Award, City of San Gabriel
- 2007      UCLA Distinguished Teaching Award Nominee
- 2006-07    UCLA Quality of Graduate Education Award
- 2006      National Science Foundation Dissertation Improvement Grant

- 2006 UCLA Department of Anthropology Special Research Grant
- 2005 UCLA Cotsen Institute of Archaeology Director's Grant
- 2005 UCLA Department of Anthropology Travel Grant
- 2003 UCLA Summer Research Mentorship
- 2002 Ivor Noel Hume Fellowship for Historic Archaeology
- 2002; 2005; 2006 UCLA Friends of Archaeology Fellowship
- 2002 National Science Foundation Graduate Student Fellowship, Hon. Mention
- 2001-02; 2004-07 UCLA Department of Anthropology Fellowship

#### **Professional Affiliations**

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- Society for American Archaeology (SAA)
- Society for California Archaeology (SCA)
- Florida Anthropological Society (FAS)
- American Cultural Resources Association (ACRA)
- Society of American Military Engineers (SAME), Los Angeles and Orange County Posts

## **Education / Training**

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- Ph.D. with distinction, Anthropology, Syracuse University, Syracuse, New York, 2007
- M.A., Anthropology, Syracuse University, Syracuse, New York, 2004
- B.A. *magna cum laude*, Anthropology and French, University of Notre Dame, South Bend, Indiana, 1998
- Section 106 Review for Experienced Practitioners, National Preservation Institute, 2012
- HAZWOPER 40-hour certification, 2012
- CEQA Basics Workshop, AECOM, 2010
- Section 106 Basics, National Preservation Institute, 2010

## **Registration / Certification**

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- Registered Professional Archaeologist, since 2010
- Certified Archaeologist, County of Orange
- Meet and exceed Secretary of the Interior's Professional Qualification standards in History and Archaeology

## **Experience Summary**

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Dr. Gibson is a cultural resources principal investigator in SWCA's Pasadena office. She is responsible for oversight of cultural resources projects including creating research designs, mentoring staff, preparing reports, and providing QA/QC for technical studies. She has over 16 years of experience in archaeological research, including archival research, surveys, and excavations at sites in the eastern and western United States and in the Caribbean. Dr. Gibson has served as project archaeologist and principal investigator on cultural resources and environmental projects in compliance with the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA) and Sections 106 and 110 of the National Historic Preservation Act (NHPA) for public and private sector clients including a range of local, state, and federal agencies.

Dr. Gibson has broad research interests; she has presented professionally on plantation slavery in the French Caribbean, the application of theories of power to archaeological interpretation, American period cemeteries in urban Los Angeles, household economies, and historic-period ceramics. She specializes in urban historical archaeology and the study of colonial economies, with a particular interest in the integration of archival and archaeological data sets in the study of the past. In addition, she has technical expertise in the analysis of 18<sup>th</sup>- and 19<sup>th</sup>-century ceramics and glass beads.

Dr. Gibson meets the Secretary of the Interior's professional qualification standards in both history and archaeology. She is a member of the Register of Professional Archaeologists (RPA), Society for American Archaeology (SAA), Society for California Archaeology (SCA) and Society for Historical Archaeology (SHA). She has been awarded numerous grants for her research and is the author of professional reports, journal articles, and papers presented at national and international conferences. In addition to consulting, she has taught classes in historical archaeology, archaeological theory, and cultural anthropology.

## **Project Experience**

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**California High-Speed Rail, Fresno to Bakersfield Section, Construction Package 4, California Rail Builders, Kern and Tulare Counties, CA.** Cultural Resources Compliance Manager for design-build firm completing construction-phase compliance including archaeological, built environment, and paleontological resources services. Tasks include survey, drafting monitoring plans, construction monitoring, and associated reporting for 22.4-mile segment of high-speed rail. *Role: Principal Investigator and Cultural Resources Compliance Manager. Lead all aspects of technical work; manage budgets, schedule, client relationship, agency coordination.*

**On-Call Specialty Environmental Services Contract, Los Angeles Department of Public Works, Bureau of Engineering (LADPW BOE), Los Angeles, CA.** On-call cultural resources contract. Tasks include Phase I cultural resources investigations, archaeological and paleontological construction monitoring, monitoring and discovery plans, and resource evaluations. *Role: Principal Investigator and Contract Manager. Lead all aspects of technical work; manage budgets, schedule, and client relationship.*

**SCE Cultural Resources Master Services Agreement; Southern California Edison Company; Multiple Counties, California.** SWCA has executed thousands of projects in support of SCE operations and maintenance activities throughout southern California. Projects have included pedestrian surveys, testing, resource evaluations, monitoring, and emergency response work. *Role: Principal Investigator. Duties include quality control/quality assurance, review of deliverables, and oversight of technical work for more than 300 projects, including projects on state and private land, as well as federal lands, including BLM and FS.*

**ACE San Gabriel Trench Grade Separation Project; Alameda Corridor-East Construction Authority; San Gabriel, California.** Cultural resources specialist for multiple-phase Caltrans project. Services include construction monitoring and Phase III data recovery from the San Gabriel Mission site. *Role: Senior Archaeologist. Duties include quality control/quality assurance, contributions to technical reports, specialized artifact analysis, and oversight of artifact database.*

**Valentine Solar Project; Provost and Pritchard/EDF Renewable Energy, Kern County, California.** SWCA conducted cultural resources services including identification of cultural resources within the proposed project area, establishment of site boundaries, and evaluation of sites for CRHR eligibility. *Role: Cultural Resources Principal Investigator. Duties include site visits, report preparation, quality control/quality assurance and review of deliverables.*

**Control-Plant 5-Plant 6 55kV Reconductor Project; Southern California Edison; Bishop, Inyo County, California.** Principal Investigator for desktop study and archaeological survey technical reports in support of this utility hydroelectric system project. *Role: Principal Investigator. Duties include quality control/quality assurance, review of deliverables, and oversight of technical work.*

**Round Fire Emergency Project; Southern California Edison; Inyo County, California.** Cultural resources survey and monitoring for pole replacement following emergency fire on Bureau of Land Management, Inyo National Forest, county and private land in Inyo County, California. *Role: Principal Investigator. Duties include quality control/quality assurance, review of deliverables, and oversight of technical work.*

**Coalinga 1&2 70 kV, Helm-Stroud Sw Sta 70 kV, Wilson-Oro Loma 115 kV, and Oro-Loma Panoche 115 kV Reconductoring Projects; Pacific Gas and Electric Company; Merced, Madera, and Fresno Counties, California.** SWCA is providing planning and compliance support for four reconductoring projects, including preparation of cultural resources technical studies to identify constraints and methods or recommendations to minimize project impacts and avoid or streamline permitting. *Role: Cultural Resources Principal Investigator. Duties include oversight of technical study and report preparation.*

**Heath Road, Twisselman Road, Holloway Road, Renfro Road, Rowlee Road, and Banducci Road Archaeological Surveys; Kern County Roads Department; Kern County, California.** SWCA is providing environmental services support to the Kern County Roads Department. Cultural resources services have included pedestrian surveys and preparation of Archaeological Survey Reports following Caltrans guidelines for several road improvement projects. *Role: Principal Investigator. Duties include quality control/quality assurance, review of deliverables, and oversight of technical work.*

**Culver City Transfer Station Archaeological Assessment; City of Culver City, Public Works Department; Culver City, California.** SWCA Environmental Consultants was retained by the City of Culver City, Public Works Department, to conduct cultural resources studies, including a records search and literature review and a cultural resources survey, in support of the proposed Municipal Facility Bacteria Reduction, Rainwater Re-Use, Infiltration and Diversion Project. SWCA prepared and archaeological technical report including a cultural context, survey results and mitigation for future disturbance associated with the project. *Role: Cultural Resources Principal Investigator. Duties include quality control/quality assurance, review of deliverables, and oversight of technical work.*

**Blackstone Phase II Archaeological Evaluation and Monitoring; Shea Homes; Brea, California.** SWCA conducted cultural resources services including identification of cultural resources within the proposed project area, establishment of site boundaries, and evaluation of sites for CRHR eligibility. *Role: Cultural Resources Principal Investigator. Duties include quality control/quality assurance and review of deliverables.*

**San Nicolas Island NAGPRA Inventory Update Report, Naval Base Ventura County; Naval Facilities Engineering Command, Southwest; San Nicolas Island, California.** SWCA prepared a revised Native American Graves Protection and Repatriation Act (NAGPRA) inventory report of human remains and associated funerary objects collected from San Nicolas Island, currently housed at seven repositories throughout California. Report included conditions assessment of the seven curation facilities to ensure each collection is curated in compliance with applicable federal laws and regulations. *Role: Cultural Resources Specialist. Duties include report review and revision, response to comments, and preparation of inventories.*

**Division Creek Pipeline Replacement Monitoring and Phase II Archaeological Testing; Los Angeles Department of Water and Power; Inyo County, California.** Services included archaeological monitoring and Phase II testing of 12 sites, coordination with client and agencies (Bureau of Land Management, Inyo National Forest), developing testing plan, applying for permits, coordinating field team, and reporting. *Role: Task Lead. Employer: AECOM, Inc.*

**On-Call Environmental Services Contract; Los Angeles County Metropolitan Transportation Authority; Los Angeles, California.** Cultural resources services provided under on-call environmental

services contract. Projects included Phase I cultural resources investigations, archaeological and paleontological construction monitoring, monitoring and discovery plans, Historic American Building Survey/Historic American Engineering Record (HABS/HAER) documentation, and eligibility evaluations. Work carried out in compliance with CEQA, NEPA, and Section 106 of NHPA. Role: *Cultural Resources Lead*. Coordinated cultural resource services and managed projects. Employer: AECOM, Inc.

**On-Call Environmental Services Contract; Los Angeles Department of Water and Power; Los Angeles, California.** Cultural resources services provided under on-call environmental services contract. Projects included Phase I and II cultural resources investigations, archaeological and paleontological construction monitoring, and monitoring and discovery plans. Work carried out in compliance with CEQA, NEPA, and Section 106 of NHPA. Role: *Cultural Resources Lead*. Employer: AECOM, Inc.

**Regional Connector Cultural Resources Services; Los Angeles County Metropolitan Transportation Authority; Los Angeles, California.** Services included preparation of monitoring and mitigation plan, creation of resource-specific treatment plan for Los Angeles Zanja water conveyance system, HABS documentation for built environment resources, and archaeological/paleontological construction monitoring. Role: *Project manager/Technical lead*. Employer: AECOM, Inc.

**Orange Line Pedestrian Connector Cultural Resources Monitoring and Discovery Plan and Native American Consultation; Los Angeles County Metropolitan Transportation Authority; Los Angeles, California.** Services included preparation of cultural resources monitoring and discovery plan and as-needed support for Native American consultation, provided under EN078 environmental on-call contract. Drafted monitoring and discovery plan and provided support for Native American consultation in compliance with Section 106 of NHPA. Role: *Project manager/Technical lead*. Employer: AECOM, Inc.

**Crenshaw/LAX Transit Corridor Archaeological and Paleontological Monitoring Services; Los Angeles County Metropolitan Transportation Authority; Los Angeles, California.** Archaeological and paleontological construction monitoring services provided under EN078 environmental on-call contract. Role: *Project manager/Technical lead*. Employer: AECOM, Inc.

**99th Street Wells Chloramination Station Cultural Resources Assessment; Los Angeles Department of Water and Power; Los Angeles, California.** Phase I cultural resources study in urban Los Angeles. Role: *Principal Investigator and report author*. Employer: AECOM, Inc.

**First Street Trunk Line Archaeological and Paleontological Monitoring; Los Angeles Department of Water and Power; Los Angeles, California.** Multi-year archaeological and paleontological monitoring project. Role included assessment of finds and report preparation. Role: *Project archaeologist and report author*. Employer: AECOM, Inc.

**Groundwater Reliability Improvement Program; Water Replenishment District of Southern California; Los Angeles County, California.** Phase I cultural resource studies in compliance with CEQA. Conducted background research and analyzed impacts of proposed project which includes construction of a new water treatment facility and associated pipeline, injection wells, and turnout structures. Role: *Task Lead*. Employer: AECOM, Inc.

**WWL Vehicle Cargo Terminal at Berths 195-200A Phase I Archaeological Study; City of Los Angeles Harbor Department; Los Angeles, California.** Phase I archaeological study in compliance with CEQA.

Conducted background research, developed historic context, and analysed impacts of proposed facility upgrades to cultural resources. *Role: Project archaeologist and technical report co-author. Employer: AECOM, Inc.*

**Van Norman Complex Water Quality Improvement, Phase I Cultural Resources Assessment; Los Angeles Department of Water and Power; Los Angeles, California.** Phase I archaeological study in compliance with CEQA. Conducted background research and analyzed impacts of proposed facility upgrades to cultural resources. *Role: Project archaeologist and technical report co-author. Employer: AECOM, Inc.*

**Long Beach Courthouse Archaeological and Paleontological Monitoring; Clark Construction; Long Beach, California.** Monitoring and data recovery investigation for a private developer. Archaeological monitoring conducted for construction of new courthouse complex. Archaeologists identified late 19th and early 20th century features and isolated artifacts. Responsibilities pertained to excavation of multiple historic features, including two privies, which were documented, removed, and evaluated for their significance under CEQA. Served as field director for excavation and documentation of findings. *Role: Principal Investigator. Employer: AECOM, Inc.*

**Elysian Park – Downtown Water Recycling Pipeline Phase I Study and Archaeological Discovery and Treatment Plan; Los Angeles Department of Water and Power; Los Angeles, California.** Phase I study in compliance with CEQA and Section 106 of NHPA. Conducted background research, pedestrian survey, and analysis of archaeological potential for project area. Drafted technical report and archaeological treatment plan, including treatment recommendations for the historic Los Angeles zanja water conveyance system. *Role: Principal investigator and report author. Employer: AECOM, Inc.*

**Alameda Street/Spring Street Arterial Redesign Phase II Archaeological Resource Assessment; City of Los Angeles, Department of Public Works; Los Angeles, California.** Archaeological monitoring was conducted for this project during construction activities related to widening of Alameda Street. During the course of monitoring, archaeologists discovered resources related to the late 19th and early 20th century use of the area, including a segment of the Zanja Madre irrigation system, railroad elements, and the original brick pavement of Alameda Street. Mitigation in compliance with CEQA was developed to address each resource. Conducted analysis of results and authored final report documenting construction monitoring, describing the features and artifacts recovered, and evaluating their significance. *Role: Project Archaeologist. Employer: AECOM, Inc.*

**Los Angeles Plaza Cemetery Technical Report; SWCA Environmental Consultants/County of Los Angeles; Los Angeles, California.** Primary author and project manager for analysis of historic artifact assemblage excavated from CA-LAN-4218H, a 19th century cemetery site associated with the Los Angeles Plaza Church. Provided laboratory analysis of 19th century historic material culture found in association with Mexican-period burials, created descriptive artifact catalog, conducted additional research to identify and date artifacts, and authored report chapter for technical study in compliance with Section 106 of NHPA. *Role: Project manager. Employer: AECOM, Inc.*

**Aiso Street Parking Facility Archaeological Assessment; City of Los Angeles Department of Public Works; Los Angeles, California.** Project included archaeological and paleontological construction monitoring. During monitoring, archaeologists discovered seven 19th and 20th century features and more than 100 isolated artifacts. The features were documented, excavated, and evaluated for their

significance under CEQA. Tasks included analysis of results and authoring final report documenting construction monitoring, describing features and artifacts that recovered, and evaluating their significance. *Role: Principal Investigator. Employer: AECOM, Inc.*

**Central Los Angeles High School #9; Los Angeles Unified School District; Los Angeles, California.** Project included data recovery of archaeological materials in connection with the 19th century Los Angeles City Cemetery in downtown Los Angeles, which were discovered during archaeological monitoring of the demolition and grading phases of construction at the Central Los Angeles Area New High School #9. The project team coordinated with the Los Angeles County Coroner and office of Vital Statistics to obtain disinterment permits; developed a mitigation plan incorporating the components related to the future disposition of remains, artifact curation, and commemoration; and conducted laboratory analysis of artifacts and human remains. A technical report documenting the history of the cemetery, its role in 19th-century Los Angeles, and the results of the osteological and artifact analysis was prepared. Responsibilities included reviewing the technical report, drafting necessary sections to provide synthesis, and coordinating supplementary analysis necessary for project completion. *Role: Project archaeologist. Employer: AECOM, Inc.*

**Antelope Valley Solar Project Cultural Resources Testing; Renewable Resource Group; Rosamond, California.** 5,175-acre solar development in Kern and Los Angeles Counties, California. Services included cultural resources surveys, evaluation, and preparation of cultural resource documents. Responsibilities pertained to preparation of testing and evaluation plan to determine California Register of Historic Resources eligibility for sites identified during the survey. *Role: Project archaeologist. Employer: AECOM, Inc.*

**California High-Speed Train, Fresno to Merced Cultural Resources Inventory; California High Speed Rail Authority; Fresno and Merced Counties, California.** As project archaeologist, developed treatment plan to address project impacts to archaeological resources. As project historian, conducted built environment fieldwork to record and evaluate historic resources for railway alignment and affiliated parcel acquisitions. Evaluated resources within the Area of Potential Effects to recommend eligibility to the National Register of Historic Places and California Register of Historic Resources. *Role: Project historian and archaeologist. Employer: AECOM, Inc.*

**Imperial Valley Solar Project; Tessera Solar; Imperial County, California.** Project involved Bureau of Land Management (BLM) Class III intensive pedestrian survey, resource documentation, and site evaluation efforts for an approximately 6,500-acre solar power project on BLM land under a Fast-Track American Recovery and Reinvestment Act funding schedule. Field investigations, preparation of cultural resource documents, and Section 106 consultation. As designed, the project was crossed by the Congressional-designated Juan Bautista de Anza National Historic Trail corridor. Responsibilities pertained to the portion of the project area that overlay the National Historic Trail corridor. Consultation on the disposition of the trail corridor involved hiring subconsultants for specialized analysis; summarizing consultant findings for presentation to BLM and consulting parties (State Historic Preservation Office, National Park Service, and National Trust for Historic Preservation, and others); and drafting a synthetic technical report. *Role: Project archaeologist. Employer: AECOM, Inc.*

**Four Trails Feasibility Study Environmental Assessment; National Park Service; CA, CO, IA, ID, KS, MO, NE, OK, OR, NV, UT, WA, WY.** Feasibility study for revisions to the California, Mormon Pioneer, Pony Express, and Oregon National Historic Trails. Conducted background research, analysis of existing

conditions, and assessment of impacts to archaeological resources. Prepared archaeological resources sections for EA. *Role: Project archaeologist. Employer: AECOM, Inc.*

**Butterfield Overland Trail Environmental Assessment; National Park Service; AK, AR, CA, MO, NM, OK, TX.** Special resource study to evaluate feasibility of adding the Butterfield Overland trail as a national historic trail. Includes background research, analysis of existing conditions, and assessment of impacts to archaeological resources. Prepared archaeological resources sections for EA. *Role: Project archaeologist. Employer: AECOM, Inc.*

**Eisenhower Memorial Environmental Assessment and Phase IA Archaeological Study; General Services Administration/National Park Service; Washington, DC.** Conducted archival research and analysis of potential impacts to archaeological resources for NEPA and Section 106 project. Evaluated impacts to archaeological resources for multiple proposed project design alternatives and prepared corresponding Environmental Assessment sections. Prepared Phase IA archaeological report following District of Columbia guidelines. Coordinated archaeological studies with State Historic Preservation Office on behalf of the client. *Role: Project archaeologist. Employer: AECOM, Inc.*

**National Museum of African American History and Culture Gas Line Archaeological Services; Smithsonian Institution; Washington, DC.** Project required archaeological monitoring for gas line installation. Services included archaeological monitoring of ground-disturbing activities, training construction personnel to recognize archaeological resources, facilitating State Historic Preservation Office communications, and preparing technical memo reporting findings. Developed scope of work in consultation with client, coordinated work with sub-consultant, and assessed field findings to make recommendations. *Role: Project archaeologist. Employer: AECOM, Inc.*

**Ukraine Famine-Genocide Memorial Environmental Assessment and Phase I Archaeological Study; Memorial Commission and National Park Service; Washington, D.C.** Memorial commission conducted archival research and analysis of potential impacts to archaeological resources for this NEPA and Section 106 project. Evaluated impacts to archaeological resources for multiple proposed project design alternatives and prepared corresponding Environmental Assessment sections. Prepared Phase IA archaeological report following District of Columbia guidelines. Coordinated archaeological studies with State Historic Preservation Office on behalf of the client. *Role: Project archaeologist. Employer: AECOM, Inc.*

**Potomac Annex Feasibility Study; Department of State; Washington, DC.** Conducted archival research, archaeological site visit, and preliminary study of potential impacts to archaeological resources. Worked with client to design a strategy for early consideration of cultural resources in the design phase. Prepared memo detailing historic background, known archaeological resources, archaeological potential of project area, and recommended steps for identification and evaluation of archaeological resources. Participated in client meetings to present results. *Role: Project archaeologist. Employer: AECOM, Inc.*

**Potomac Hill Phase I Archaeological Study and Construction Monitoring; Department of State; Washington, DC.** Contributed to technical report for Phase I study and monitoring on National Historic Landmark site. Coordinated archaeological studies with State Historic Preservation Office on behalf of the client. *Role: Project archaeologist. Employer: AECOM, Inc.*

**Mary E. Switzer Building Site Improvements, Phase I/II Investigations; General Services Administration; Washington, DC.** Combined Phase I/II study, including geoarchaeological testing. Role: Project archaeologist. Employer: AECOM, Inc.

**I-395 Air Rights Environmental Assessment and Section 106 Assessment of Effects; District of Columbia Department of Transportation; Washington, DC.** Conducted archival research and analysis of potential impacts to archaeological resources for NEPA and Section 106 project. Evaluated impacts to archaeological resources for multiple proposed project design alternatives and prepared corresponding Environmental Assessment sections. Prepared archaeological sections for assessment of effects document. Coordinated archaeological studies with State Historic Preservation Office on behalf of the client. Role: Project archaeologist. Employer: AECOM, Inc.

**Vietnam Veterans Memorial Education Center Environmental Assessment; National Park Service; Washington, DC.** National Environmental Policy Act (NEPA) and Section 106 project. Conducted background research and analysis of archaeological sensitivity for project APE. Evaluated impacts to archaeological resources for multiple proposed project design alternatives and prepared Environmental Assessment archaeological resources sections. Coordinated archaeological studies with State Historic Preservation Office on behalf of client. Role: Project archaeologist. Employer: AECOM, Inc.

**La Mahaudière Archaeology Project; Guadeloupe, French West Indies.** Multiyear, grant-funded field project. Project studied 18th- and 19th-century sugar plantation property with focus on enslaved laborer village. Organized and facilitated day-to-day operations of archaeological fieldwork. Project included identification of individual habitation sites through archaeological survey, testing, and intensive excavation of house/yard complexes. Completed extensive archival research to study relevant documentary evidence in Guadeloupe and French archives. Catalogued and analyzed all categories of material culture, with specific emphasis on ceramics. Designed and implemented Access database for artifact and field data. Wrote portions of technical reports and presented results at conferences and in professional journals. Role: Assistant director. Grant-funded research.

## **Professional Experience**

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**SWCA Environmental Consultants; Pasadena, California (2014-present):** Responsibilities include overseeing scopes of work, project task completion, and compliance issues; writing and editing technical reports; and archaeological field work including survey, testing, data recovery, monitoring, and laboratory analysis. Role: Cultural Resources Principal Investigator and Archaeology Team Lead.

**AECOM; Los Angeles, California (2010-2014):** Responsibilities included managing cultural resources projects including project task completion, budget, and schedule; leading cultural resources team; writing and editing technical reports; and archaeological field work including survey, testing, data recovery, monitoring, and laboratory analysis. Role: Senior Associate and Cultural Resources Team Lead.

**Virginia Commonwealth University; Richmond, Virginia (2008-2010):** Responsibilities included teaching three undergraduate courses per semester; advising anthropology majors; coordinating anthropology program including 4 full-time and 6 part-time faculty and 100+ majors; publishing peer-reviewed research; and presenting research at professional conferences and on campus. Completed junior faculty mentorship program with Center for Teaching Excellence. Courses: Introduction to

Archaeology, Archaeological Theory (writing intensive), The Social Life of Things (writing intensive), Historical Archaeology. *Role: Assistant Professor and Coordinator of Anthropology.*

**McGill University Department of History, Mellon French Atlantic History Group; Montreal, Quebec (2007-2008):** Received one-year research post-doctoral fellowship (grant-funded). Completed independent archival and archaeological research and participated in consortium workshops; delivered conference papers, research presentations and course guest lectures. *Role: Post-doctoral Fellow.*

**Syracuse University, Professional Development Programs of the Graduate School; Syracuse, New York (2004-2007):** Created and organized workshops for graduate students on professional development topics; planned and implemented 2-week orientation for new graduate teaching assistants (campus-wide team); facilitated small group sessions for 20 TAs, covering pedagogy, diversity, and classroom challenges. *Role: Graduate Teaching Consultant and Teaching Fellow.*

**La Mahaudière Archaeology Project; Guadeloupe, French West Indies (2002-2007):** Responsibilities included coordinating bilingual field team of 8-15 individuals including leading daily field operations (mapping, excavation, laboratory processing, and artifact analysis); setting project objectives, designing data collection tools, and overseeing documentation of findings; designing Access database and analyzing artifacts; and securing grant funding. Awarded Fulbright-Hays fellowship to fund research. *Role: Assistant Director and Co-Principal Investigator.*

**Syracuse University Department of Anthropology; Syracuse, New York (2006):** Taught cultural anthropology introductory-level course, Global Encounters. *Role: Adjunct Instructor.*

**Habitation Crève Coeur Archaeology Project; Martinique, French West Indies (2005):** Responsibilities included coordinating bilingual field team of 8-15 individuals including leading daily field operations (mapping, excavation, laboratory processing, and artifact analysis); setting project objectives, designing data collection tools, and overseeing documentation of findings; designing Access database and analyzing artifacts. *Role: Assistant Director*

**Syracuse University Department of Anthropology; Syracuse, New York (2003-2004):** Lectured, led discussions, graded papers and exams for two semesters. Courses: Introduction to Historical Archaeology, Global Encounters. *Role: Teaching Assistant.*

**Eansomhed Plantation Archaeology Field School; St. Thomas, United States Virgin Islands (2002):** Responsibilities included instruction of archaeological field methods to undergraduate students. Completed mapping, pedestrian survey, and documentation of architectural features at 18<sup>th</sup> and 19<sup>th</sup> century sugar plantation. *Role: Crew Chief and Teaching Assistant*

**Harriet Tubman Archaeology Field School; Auburn, New York (2002):** Responsibilities included instruction of archaeological field methods to undergraduate students. Supervised excavation and laboratory processing for field school at 19<sup>th</sup> century historic home site. *Role: Crew Chief and Teaching Assistant*

**Coconut Walk Estate Archaeology Project; Nevis, Eastern Caribbean (2001):** Responsibilities included instruction of archaeological field methods, including excavation and artifact processing, to volunteers. Test excavations at 18<sup>th</sup>-19<sup>th</sup> century sugar plantation. *Role: Crew Chief*

**Fort Christiana; Lawrenceville, Virginia (2001):** Responsibilities included instruction of archaeological field methods, including excavation and artifact processing, to volunteers. Supervised crew of 8-12 volunteers in test excavations at early 18<sup>th</sup> century fur trading fort. Role: Crew Chief

**U.S. Army Corps of Engineers, Curation and Archives Analysis Branch; St. Louis, Missouri (2000-2001):** Responsibilities included managing archaeology laboratory, overseeing staff of six as project leader for archaeology. Developed streamlined procedure to prepare archaeological materials for long-term curation in compliance with 36 CFR Part 79, mostly for DoD clients. Created inventories in MS Excel and Access, and wrote technical reports for rehabilitated collections. Role: Post-Graduate Research Intern and Laboratory Director.

**Longfellow Elementary School and Teach for America; Compton, California (1998-2000):** Selected via rigorous competition for corps of teachers committed to eliminating educational inequity. Responsibilities included planning, classroom management, and delivery of instruction for 30+ fifth grade students in urban public school. Secured grants totaling \$6,000 from outside sources for instruction and professional development. Coordinated fifth grade learning team for TFA teachers.

## Publications

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Gibson, H. and K. Kelly. (In Prep). Caribbean Contradictions: Entangled Networks, Slavery, and the French West Indies. In *Shadow Capitalists? Historical Archaeologies of Intimate Economies*, edited by J. Nyman, K. Fogle, and M. Beaudry. Oxford University Press, Oxford.

Dietler, J., H. Gibson, and B. Vargas. (In Press). "A Mourning Dirge Was Sung": Community and Remembrance at San Gabriel Mission, in *The Forging of Communities in Colonial Alta California, 1769-1834*, edited by K. Hull and J. Douglass. University of Arizona Press, Tucson.

Dietler, J., H. Gibson, and J. Potter, editors. 2015. *Abundant Harvests: The Archaeology of Industry and Agriculture at San Gabriel Mission*. SWCA Anthropological Research Paper Number 11. SWCA Environmental Consultants, Pasadena, California.

Gibson, H. and S. Dietler, editors. 2012. *Not Dead But Gone Before: The Archaeology of Los Angeles City Cemetery*. AECOM Cultural Heritage Publication Number 4, Los Angeles.

Gibson, H. 2010. Review of *Building the Devil's Empire: French Colonial New Orleans*, by S. Dawdy. *Historical Archaeology* 44(2).

Gibson, H. 2009. Domestic Economy and Daily Practice in Guadeloupe: Historical Archaeology at La Mahaudière Plantation." *International Journal of Historical Archaeology* 13(1):27-44.

Gibson, H. 2007. *Daily Practice and Domestic Economy in Guadeloupe, FWI: An Archaeological and Historical Study*. Ph.D. Dissertation, Syracuse University, Syracuse, New York.

Kelly, K. and H. Gibson. 2005. Plantation Village Archaeology in Guadeloupe, French West Indies. In *Proceedings of the XX International Congress of Caribbean Archaeologists*, edited by Glenis Tavarez and Manuel Garcia Arevalo, pp. 789-798. Museo del Hombre Dominicano and Fondacion Garcia Arvela, Santo Domingo.

## **Presentations**

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"A Mourning Dirge Was Sung": Community and Remembrance at Mission San Gabriel. *Society for American Archaeology*, San Francisco, California, April 2015 [Co-authors: John Dietler and Benjamin Vargas]

Death and Dying in 19th-Century Los Angeles: Mortuary Archaeology at Two Historic Cemeteries, *Society for American Archaeology*, Honolulu, Hawaii, March 2013

The Search for a Historic Trail, *Society for American Archaeology*, Sacramento, California, March 2011 [Co-author: Rebecca Apple]

Caribbean Contradictions: Entangled Networks, Slavery, and the French West Indies, *American Anthropological Association*, New Orleans, Louisiana, November 2010 [Co-author: Kenneth Kelly]

"Getting by" at La Mahaudière: Material Culture and Household Economies in the French Caribbean, *Anthropology Club* lecture series, Virginia Commonwealth University, April 2009

Between Words and Things: Struggling with Sources in Historical Archaeology, *Organized Symposium, Society for Historical Archaeology*, Toronto, Ontario, January 2009 [Co-organizer: Shannon Dunn]

"She Was Always Treated with Benevolence": Understanding Cruelty and Power on a Guadeloupean Plantation, *Society for Historical Archaeology*, Toronto, Ontario, January 2009

"Getting by" at La Mahaudière: Material Culture and Household Economies on a Guadeloupean Plantation, *Society for American Archaeology*, Vancouver, British Columbia, April 2008.

"Se Débrouiller" à l'Habitation La Mahaudière: Economie Domestique aux Antilles Françaises, *Archéovendredi Series*, Laval University, Quebec City, March 2008 [presentation in French]

The View from the Ground: Archaeological Perspectives on Creolization, *Mellon French Atlantic History Group 4th Workshop, Creole Histories – Histoires Créoles: Practice and Poetics*, Montreal, Quebec, February 2008

The Archaeology of Slavery in the French Caribbean, lecture presented to History 315: Slavery in World History, instructed by Dr. Daviken Studnicki-Gizbert, McGill University, March 2008

Power and Practice on the Plantation: An Archaeology of Slavery in Guadeloupe, *McGill University Department of Anthropology* lecture series, November 2007

Careers in Archaeology, workshop presented at *Career Connections 2007*, Pine Grove Middle School, East Syracuse, New York, March 2007

French Ceramics from La Mahaudière Plantation: Understanding Foodways and Consumption in Guadeloupe, *Society for Historical Archaeology*, Williamsburg, Virginia, January 2007.

Slavery on Trial in Guadeloupe: Power and Practice in the *Affaire Douillard-Mahaudière*, lecture presented to Anthropology 600: Archaeology of the African Diaspora course, instructed by Dr. Theresa Singleton, Syracuse University, November 2006

Daily Practice and Domestic Economies in Guadeloupe: Developing and Implementing a Research Design, lecture presented to Anthropology 642: Methods in Archaeology course, instructed by Dr. Douglas Armstrong, Syracuse University, November 2005

Domestic Economies of Guadeloupean Plantation Laborers: Production and Consumption at La Mahaudière, *21st International Congress of Caribbean Archaeologists*, Port-of-Spain, Trinidad, July 2005

Domestic Economy and Daily Practice in Guadeloupe: Historical Archaeology at La Mahaudière Plantation, *Society for Historical Archaeology*, York, England, January 2005

Critical Issues in College Teaching, workshop presented at *Future Professoriate Project Minnowbrook Conference*, Blue Mountain Lake, New York, May 2004 [Co-presenters: John Begeny and Shannon Dunn]

The "Slaves' Economy" in Guadeloupe, French West Indies: Archaeology at Habitation La Mahaudière, *Program on Latin America and the Caribbean (PLACA) Brown Bag Series*, Syracuse University, March 2004

Historical Archaeology of Slavery in Guadeloupe, French West Indies, Ste. Genevieve Conference on *French Settlements and Culture in North America and the Caribbean*, Ste. Genevieve, Missouri, 2003 [Co-author: Kenneth Kelly]

Plantation Village Archaeology in Guadeloupe, French West Indies, presented with Kenneth Kelly, *20th International Congress of Caribbean Archaeologists*, Santo Domingo, Dominican Republic, July 2003 [Co-author: Kenneth Kelly]

## **Awards / Honors / Grants / Fellowships**

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- 2007 Doctoral Prize, Syracuse University
- 2007 Certificate in University Teaching, Syracuse University
- 2007 Travel Grant, Department of Anthropology, Syracuse University
- 2006 Maxwell Dean's Dissertation Fellowship, Maxwell School, Syracuse University (Fall)
- 2005 University Fellowship for Dissertation Writing, Syracuse University Graduate School
- 2006 Travel Grant, Department of Anthropology, Syracuse University
- 2004 Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA) Grant Recipient, U.S. Department of Education
- 2004 Roscoe Martin Research Grant, Maxwell School, Syracuse University
- 2004 Program on Latin American and the Caribbean Summer Research Award, Global Affairs Institute, Syracuse University
- 2004 Travel Grant, Department of Anthropology, Syracuse University
- 2003 University Fellowship, Syracuse University Graduate School
- 2003 Goekjian Summer Research Award, Global Affairs Institute, Syracuse University
- 2003 Roscoe Martin Research Grant, Maxwell School, Syracuse University

2003 Program on Latin American and the Caribbean Summer Research Award, Global Affairs Institute, Syracuse University

2003 Gordon Bowles Prize for outstanding paper in anthropology, Syracuse University

2001 University Fellowship, Syracuse University Graduate School

2001 Dean's Summer Fellowship, Maxwell School, Syracuse University

2000 International Bank of Japan Global Visions Fund Grant Recipient

2000 Malibu Foundation Adopt-a-Beach Grant Recipient

1999 Chapbooks Classroom Publishing Grant Recipient

1999 Malibu Foundation Adopt-a-Beach Grant Recipient

1998 Phi Beta Kappa Society

1998 Lambda Alpha National Anthropology Honor Society

### **Professional Service and Leadership**

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Peer reviewer, *Historical Archaeology* (2013)

Anthropology Program Coordinator, Virginia Commonwealth University (2008-09)

Anthropology Club Faculty Sponsor, Virginia Commonwealth University (2008-09)

Promotion and Tenure Committee, College of Arts and Sciences, Syracuse University (2006-07)

Biological Anthropology Faculty Search Committee, Department of Anthropology, Syracuse University (2005-06)

Anthropology Graduate Student Organization, Syracuse University: Speaker Series Coordinator (2006-07); President (2003-04); Treasurer (2002-03); Student Mentoring Coordinator (2002-03); Graduate Student Representative to faculty (2002)

### **Professional Affiliations**

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- Society for American Archaeology (SAA)
- Society for California Archaeology (SCA)
- Society for Historical Archaeology (SHA)

# SUZANNE GRISSET, PH.D., PRINCIPAL INVESTIGATOR, PROJECT MANAGER

Dr. Griset is a principal investigator and ethnographer in SWCA's Tucson office. She brings experience in cultural resources management as a private contractor, a federal employee managing contracted work, and as a peer reviewer for federal agencies. She is experienced in complying with the requirements of the National Historic Preservation Act (Section 106), NEPA, ARPA, NAGPRA, AIRFA, various Executive Orders, and state requirements for California, Nevada, and Arizona. Dr. Griset has worked with (and in some cases, for) numerous federal agencies. She is an experienced successful writer of grants from national, state, and private agencies, and she has curated public exhibits and other interpretive media to convey public benefit of archaeological programs.

Dr. Griset has worked with tribes across the Southwest, Great Basin, and California on NAGPRA-related issues, conducted oral history and ethnohistory projects, and documented Traditional Cultural Properties for tribes and federal agencies. She has managed archival research; preparation of research designs, scopes, treatment plans and reports; field inventories, testing, and mitigation; evaluation of historic properties for listing in the National Register of Historic Places; and National Environmental Policy Act (NEPA) analyses. She is an acknowledged expert in the ceramics of southern California and western Arizona.

YEARS OF EXPERIENCE	38
<b>EXPERTISE</b>	
Western U.S. prehistoric, protohistoric, historic archaeology and ethnohistoric research	
Cultural resources management and compliance	
Federal, state, and local agency environmental compliance in California, Nevada, and Arizona	
Native American consultation: NAGPRA, Traditional Cultural Properties (TCP), ethnography, ethnohistory, oral history	
Ceramic and basketry analysis	
Cultural resources expert witness testimony	
Subject Matter Expertise (SME) review of cultural documents	
Public interpretation exhibits, websites, brochures	

## SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

RTA Sidewalks; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

El Camino del Cerro Road Widening; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Due Diligence for Fire Station 3 and 9; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Country Club Road - Broadway Boulevard to 22nd Street; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Sentinel Peak Park Cultural Resources Survey; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

29 Palms Ceramic Isolate Analysis; Tucson, Pima County, Arizona; Far Western Anthropological Research Group, Inc.. *Role: Proposal Coordinator.*

29 Palms Ceramics Analysis; Pima County, Arizona; Far Western Anthropological Research Group, Inc.. *Role: Proposal Coordinator.*

4.9-acre Survey - Florence Military Reservation; Pinal County, Arizona; Vernadero Group. *Role: Project Manager.*

4,575-acre Sierra Vista Master Development Plan; Sierra Vista, Cochise County, Arizona; ABCDW, LLC. *Role: Principal Investigator.*

ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority. SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Principal Investigator.*

Federal agencies and professional journals peer reviewer

#### EDUCATION

Ph.D., Anthropology, e: North American Archaeology; University of California; Davis; 1996

M.A., Anthropology, e: North American Archaeology; University of California; Davis; 1979

B.A., Anthropology, e: Cultural and Archaeology; Grinnell College; Grinnell, Iowa; 1971

#### REGISTRATIONS / CERTIFICATIONS

Principal Investigator Permit, Arizona No. Statewide; U.S. Bureau of Land Management

Principal Investigator permit, Nevada No. Statewide; U.S. Bureau of Land Management

P.I./Ethnographer, Arizona No. Nationwide; Navajo Nation Historic Preservation Department

Principal Investigator permit, California No. Statewide; U.S. Bureau of Land Management

Registered Prof. Archaeologist, Multiple States No. 989626; Register of Professional Archaeologists

#### PERMITS

U.S. Bureau of Land Management Cultural Resource Use Permit (N-50837), Principal Investigator; NV

U.S. Bureau of Land Management Cultural Resource Use Permit (14UT55126), Principal Investigator; UT

Arizona State Museum Archaeological or Paleontological Surveys Permit (2016-008b), Principal Investigator/Project Director; AZ

U.S. Bureau of Land Management Cultural Resource Use Permit (CA-14-19), Principal Investigator; CA

U.S. Bureau of Land Management Archaeological Investigations Permit (AZ-000581), Principal Investigator; AZ

ACE San Gabriel Trench Cultural Resources Management Services; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority. SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National and California Registers listed San Gabriel Mission site. *Role: Principal Investigator.*

Administrative Record; Tucson, Pima County, Arizona; Confidential Client. *Role: Principal Investigator.*

ADW Communications Kyrene Site Archaeological Monitoring; Tempe, Maricopa County, Arizona; ADW Communications Services. *Role: Principal Investigator.*

ADW Freeman Class III Archaeological Survey; Maricopa County, Arizona; ADW Communications Services. *Role: Principal Investigator.*

ADW Maricopa Project 3 Archeological Reviews; Maricopa County, Arizona; ADW Communications Services. *Role: Principal Investigator.*

AE Cal-Trans Cultural Resources On-Call; County, ; Applied EarthWorks, Inc.. *Role: Project Manager.*

Dike 4 Ceramic Analysis; Riverside County, California; Applied EarthWorks, Inc.. *Role: Project Manager.*

AE I-10 Jefferson Final Ceramic Analysis; Pima County, Arizona; Applied EarthWorks, Inc.. *Role: Proposal Coordinator.*

AE I-10 Jefferson Final Ceramic Analysis; Pima County, Arizona; Applied EarthWorks, Inc.. *Role: Project Manager.*

AE RIV 149 & 9132 Ceramics Analysis; Tucson, Pima County, Arizona; Applied EarthWorks, Inc.. *Role: Project Manager.*

AE RIV 149 & 9132 Ceramics Analysis; Tucson, Pima County, Arizona; Applied EarthWorks, Inc.. *Role: Proposal Coordinator.*

AE's CPV Sentinel Energy Pot Drop; Tucson, Pima County, Arizona; Applied EarthWorks, Inc.. *Role: Project Manager.*

Agave Park Environmental Services; Maricopa County, Arizona; Confidential Client. CONFIDENTIAL *Role: Principal Investigator.*

Alt Rte 3-N; Maricopa County, Arizona; Diamond Ventures. *Role: Principal Investigator.*

Apex 3D; Kern County, California; Robert A. Booher Consulting. SWCA conducted a California Historical Resources Information System (CHRIS) records search and BLM fieldwork authorization, cultural resources field survey of over 5,000 acres on BLM lands, and prepared a technical report for the client. *Role: Principal Investigator.*

APS Arizona State Land Sprint Communication Right-Of-Way Survey; County, Arizona; Arizona Public Service Company. *Role: Principal Investigator.*

APS Lands Department Miscellaneous Jobs; Flagstaff, Coconino County, Arizona;

Arizona Public Service Company. *Role: Principal Investigator.*

APS Line Siting Environmental Services; Maricopa County, Arizona; Diamond Ventures. *Role: Principal Investigator.*

Archaeological Survey for Four Acres; Tucson, Pima County, Arizona; Rick Amos. *Role: Principal Investigator.*

Archaeological Treatment Plan For The Villages of Tortolita; Pima And Pinal Counties, Arizona; TMR Investors, LLC. *Role: Use C-record Instead.*

Pinkering Corral and Fence Line Archaeological Survey; Red Rock, Pinal County, Arizona; Ed Pickering. *Role: Principal Investigator.*

Archival Synthesis; Bernalillo County, New Mexico; Confidential Client. *Role: Principal Investigator.*

ASLD 14-111146-Passages Development; Pima County, Arizona; Passages Development, LLC. *Role: Project Manager. Class III cultural resources survey and report for proposed development area.*

AZGFD Mesa Road Archaeological Survey; Cochise County, Arizona; Arizona Game and Fish Department. *Role: Principal Investigator.*

Bagdad ASLD Additional Exploration; Yavapai County, Arizona; Confidential Client. CONFIDENTIAL *Role: Principal Investigator.*

Bagdad Mine ASLD; Yavapai County, Arizona; Confidential Client. CONFIDENTIAL *Role: Principal Investigator.*

Bagdad Mine Stockpile Extension NEPA Study; Bagdad, Yavapai County, Arizona; Freeport McMoRan Bagdad Incorporated. As a third-party consultant for the Bagdad Mine Stockpile Extension Project, SWCA is assisting the BLM Kingman Field Office with analyzing proposed modifications to the current Bagdad Mine Plan of Operations. If approved through the current environmental assessment process, Freeport McMoRan's proposed mine plan modifications, which include extending the present stockpile and constructing access roads, monitoring wells, and other distributed facilities, could result in disturbance of as much as 600 acres of BLM-managed public lands. *Role: Principal Investigator.*

Bankline Cultural Resources Survey; La Paz County, Arizona; Hitachi Consulting. *Role: Project Manager.*

BARA Fieldwork; Bernalillo County, New Mexico; Confidential Client. *Role: Principal Investigator.*

Barry M. Goldwater Range- West Survey; Multiple Counties, Multiple States; NAVFAC SW. *Role: Project Manager. Class III field survey of 5,000 acres completed and reported in record time to comply with scheduled military training. Field crew was drawn from SWCA Tucson, Phoenix, Salt Lake City, and Pasadena offices.*

Big Boquillas Wind; Coconino County, Arizona; Confidential Client. CONFIDENTIAL *Role: Principal Investigator.*

Blackstone Exploration Archaeological Survey; Navajo County, Arizona; Arizona Oil & Gas and Blackstone Exploration Company Inc.. *Role: Principal Investigator.*

Ethnographic Supplemental Programmatic Environmental Impact Statement Overview; La Plata County, Colorado; Confidential Client. Conducting ethnographic studies and Class I Records Searches for Proposed Solar Energy Zones (SEZs) in California, Nevada, and Utah for the Bureau of Land Management's (BLM) Solar Preliminary Environmental Impact Statement (PEIS), SWCA supervised the subcontract for ethnographic interviews and reports, authored Class I Cultural Resources report, and edited the final volume combining archival and records research with tribal input to make recommendations for BLM EIS and for land management of SEZs by related Field Offices. *Role: Principal Investigator. Project Principal Investigator, and project manager for California data gathering.*

BLM SEZ Sample Surveys; Riverside County, California; U.S. Bureau of Land Management. SWCA carried out cultural resource studies for selected Solar Energy Zones (SEZs) across multiple field offices in Arizona, California, and Nevada. This multi-state study is designed to assist federal land managers in predicting the density, distribution, and types of resources present in the various SEZs. Coordinating across regional SWCA offices and consulting with in-state BLM personnel, SWCA developed sampling plans and performed Class II cultural resource inventories and evaluations. *Role: Principal Investigator. Principal Investigator for Arizona surveys and general project subject matter expert (SME) review.*

Blye Canyon Archaeological Survey; Mohave County, Arizona; Tetra Tech, Inc.. *Role: Principal Investigator.*

Regional Park Environmental Assessment; Pima County, Arizona; Town of Marana. *Role: Principal Investigator.*

**Boulder City US93 Expansion; Clark County, Nevada; CH2M Hill.** Completion in 2010 of the U.S. Highway 93 Hoover Dam Bypass and Colorado River Bridge ("Mike O'Callaghan – Pat Tillman Memorial") prompted the Nevada Department of Transportation to continue 4-lane highway improvements west from the bridge for 7 miles into Boulder City. *Role: Principal Investigator.*

**Butler Valley Arizona State Lands Department Archaeological Survey; Butler Valley, La Paz County, Arizona; Fondononte Arizona, LLC.** *Role: Principal Investigator.*

**CalPortland Cement CWA IP Services; Pima County, Arizona; CalPortland Company.** *Role: Principal Investigator.*

**Camp Bowie Traditional Cultural Properties Survey and Oral History Collection; Brownwood, Brown County, Texas; Confidential Client.** *Role: Principal Investigator.*

**Camp Navajo Archaeological Survey; Bellemont, Coconino County, Arizona; Arizona Army National Guard.** *Role: Historian. Interviewed former residents of Indian Village at Navajo Ordnance Depot (NOD) to identify features in the archaeological site; prepared an oral history that the client asked me to expand in a second, ongoing oral history and public interpretation of the WWII workforce at NOD. Working with Hopi Tribe and Navajo Nation.*

**Camp Navajo Archival Project; Coconino County, Arizona; Arizona Army National Guard.** *Role: Principal Investigator.*

**Camp Navajo Cultural Site Delineation; Coconino County, Arizona; Arizona Department of Emergency and Military Affairs.** *Role: Principal Investigator.*

**Camp Navajo Cultural Site Delineation\_Task 2 Adjustment; Coconino County, Arizona; Arizona Department of Emergency and Military Affairs.** *Role: Principal Investigator.*

**Canyon Ranch Master Survey; Pima County, Arizona; PSOMAS Engineering.** *Role: Project Manager.*

**Capella Environmental Services; Oro Valley, Pima County, Arizona; La Cholla 311, LLC.** *Role: Principal Investigator.*

**640-acre Parcel Biological Evaluation and Cultural Resources Survey; Wickenburg, Yavapai County, Arizona; Carson Construction, Inc..** *Role: Principal Investigator.*

**City of Sierra Vista 80-acre BLM Parcel; Sierra Vista, Cochise County, Arizona; City of Sierra Vista.** *test Role: Principal Investigator.*

**City of Tucson Surveys; Tucson, Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**City of Tucson, On-call Archaeological Contract; Tucson, Pima County, Arizona; City of Tucson.** *Role: Senior Project Manager. Archival research, field survey, and reporting for small surveys within the city boundaries; more than 30 projects completed to date.*

**CLRR Air Quality Services; Maricopa County, Arizona; Confidential Client. CONFIDENTIAL** *Role: Principal Investigator.*

**CNF Requests; Tucson, Pima County, Arizona; Rosemont Copper Company.** SWCA assisted Rosemont Copper and the Coronado National Forest in evaluating proposals for habitat restoration plans. *Role: Principal Investigator.*

**Cordillera 80 Acres Class I Archaeological Survey; Maricopa County, Arizona; Intravest Development LLC.** *Role: Principal Investigator.*

**COT #11-14 Santa Cruz Wellfield Treatment Facility; Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Well C-118A Discharge Piping; Tucson, Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Y-011B Well Site; Tucson, Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Public Safety Training Academy; Tucson, Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Ott Family YMCA; Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Speedway and Main Intersection Archaeological Survey; Tucson, Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Highland Vista Park Improvements; Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Miracle Mile Property; Tucson, Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

Rodeo Grounds Electrical Upgrade; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Theresa Lee Property Archaeological Survey; Tucson, Pima County, Arizona; City of Tucson. *Role: Project Manager.*

COT 07-45; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Fort Lowell and Campbell Intersection; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Bus Pullouts Package 1; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

RTA Bus Pullout Package #3; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Grijalva Park Improvements; Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

St. John's School Neighborhood Park; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Projecto Rio Nuevo; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Treat Ave Pedestrian Bridge; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

COT 08-39 Addendum; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Camino Seco-Wrightstown Road to Speedway Boulevard; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Bus Pullouts; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Kino Parkway Overpass at 22nd Street; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

09-14 Sky Ranch D Zone; Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

Alvernon and 5th Street Bus Pullout; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Broadway Corridor; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Silverbell Archaeology; Pima County, Arizona; City of Tucson. SWCA provided cultural resources support for the Silverbell Road widening project. SWCA completed a Class I and a Class III survey of the entire corridor from Grant to Ina and worked with the three land-managing agencies, Pima County, City of Tucson, and Town of Marana. Results included the identification and justification for designating the Silverbell Archaeological District. SWCA also monitored soil borings for the project. SWCA designed posters for cultural and biological resources related to the project and participated in four public meetings to answer questions and gather additional information. *Role: Project Manager. Managed the survey, poster design, and provided Subject Matter Expert review and contributions to the final report; participated in the public meetings.*

Five Points; Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

RTA Bike Lane 22nd Street; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Downtown Links; Pima County, Arizona; City of Tucson. *Role: Principal / Project Manager. Coordinated the archival research, architectural historianâ€™s contribution, and inclusion of HPIFs prepared by Poster Frost Mirtlo, Inc. in the final cultural resources report; co-authored report.*

Amphi Lighting Phase II; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

San Antonio Neighborhood Reinvestment; Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

RTA Bus Pullouts; Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

Campbell Avenue Enhancement; Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

Grant Road & Oracle Intersection; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Cherry Avenue Sidewalk Improvements; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

4th Avenue/Fontana Avenue Bike Boulevard Project; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

COT 10-20 Downtown Links; Pima County, Arizona; City of Tucson. *Role: Principal Investigator. Class III archaeological records search and field survey for cultural resources and historic structure evaluation.*

COT 10-32 Silverbell Rd Archaeological Monitoring; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

COT 11-01 Ft. Lowell Improvements; Pima County, Arizona; City of Tucson. *Role: Project Manager.*

COT 11-05 Oury Park Sports Lighting Monitoring; Tucson, Pima County, Arizona; City of Tucson. *Role: Principal. Principal in Charge*

COT 12-01 Silverwood Casitas Senior Housing; Tucson, Pima County, Arizona; City of Tucson. *Role: Proposal Coordinator.*

COT 12-03 Park Avenue Crosswalk; Tucson, Pima County, Arizona; City of Tucson. *Role: Project Manager / Principal Investigator.*

COT 12-06 La Frontera Bella Vista Apartments; Tucson, Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

COT 12-08 Northgate Neighborhoods Main Replacement CR Survey; Tucson, Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

COT 12-11 Safe Routes to School Cultural Resources Survey; Tucson, Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

COT 12-20 Downtown Links Archaeological Monitoring; Tucson, Pima County, Arizona; City of Tucson. *Role: Principal Investigator.*

City of Tucson 07-13; Tucson, Pima County, Arizona; City of Tucson. *Role: Project Manager.*

Canyon Ridge Estates Archeological Evaluation; Maricopa County, Arizona; Richmond American Homes. *Role: Principal Investigator.*

De Anza Parcel; Pima County, Arizona; Red Point Development, Inc.. *Role: Principal Investigator.*

Dead Horse Ranch State Park Monitoring; Cottonwood, Yavapai County, Arizona; Arizona Public Service Company. *Role: Principal Investigator.*

DEIS Document; Tucson, Pima County, Arizona; Confidential Client. *Role: Principal Investigator.*

Diablo Village Cable Replacement Arch and Bio Surveys; Pima County, Arizona; TRICO Electric Cooperative, Inc.. *Role: Principal Investigator.*

Diamond Bar HR Recovery; Mohave County, Arizona; Confidential Client. CONFIDENTIAL *Role: Proposal Coordinator.*

Diamond Bar Road Data Recovery and Monitoring; Mohave County, Arizona; Hualapai Tribe. *Role: Project Manager. Data Recovery at sites identified by previous survey, and at an additional site discovered during road grading.*

Dobron Ceramics; Indio, Riverside County, California; Applied EarthWorks, Inc.. *Role: Project Manager. Reconstructed and analyzed (at tribe's request) ceramics from mortuary site near Indio, California.*

Durham Harmon Road Archaeological Survey; Pinal County, Arizona; CPE Consultants. *Role: Principal Investigator.*

Durham Landfill Access Road; Pinal County, Arizona; Hunt Development Group. *Role: Principal Investigator.*

Durham Landfill Environmental Services; Pinal County, Arizona; Engineering Solutions & Design, Inc.. *Role: Principal Investigator.*

Durham Regional Landfill Archaeological Testing; Pinal County, Arizona; CPE Consultants. *Role: Principal Investigator.*

Durham Regional Landfill Training and Monitoring; Pinal County, Arizona; CPE Consultants. *Role: Principal Investigator.*

Edgar Heights HPIF; Pima County, Arizona; Red Point Development, Inc.. SWCA conducted archival research on the historic context of the property and conducted fieldwork to document the standing buildings and landscape, and check for prehistoric cultural resources. Fieldwork included preparing a map of the lot with building footprints and major landscape features, and measuring and photographing all the interior rooms in four buildings and preparing a Historic Properties Inventory Form for each. The final report included the results of the archival research on the property owner, Westbrook Pegler, including photos of Clark Gable standing by the pool. *Role: Principal Investigator. Managed the project and provided Subject Matter Expert Review and contributions to the final report.*

Proposed Falcon Tech Center Environmental Services; Maricopa County, Arizona; Coffman Associates, Inc.. *Role: Principal Investigator.*

EPNG CPS 324 Relocation Environmental Services; Maricopa County, Arizona; Kinder Morgan, Inc.. *Role: Principal Investigator.*

EPNG GRIC ROW Reauthorization EA; Sacaton, Pinal County, Arizona; Kinder Morgan, Inc.. *Role: Principal Investigator.*

EPNG Line 1008 Replacement Saguaro National Park; Pima County, Arizona; El Paso Corporation. SWCA prepared an EA for the proposed El Paso Natural Gas (EPNG) Line No. 1008 remediation work on National Park Service land. *Role: Principal Investigator.*

EPNG Line 1100 & 1103 Mile Wide Road; Pima County, Arizona; El Paso Corporation. *Role: Principal Investigator.*

EPNG Sasabe Cultural Surveys; Tucson, Pima County, Arizona; Kinder Morgan, Inc.. *Role: Principal Investigator.*

EPNG Sasabe Line Cultural Resources Services; Pima County, Arizona; Kinder Morgan, Inc.. *Role: Principal Investigator.*

Feb 16 Deliverable; Tucson, Pima County, Arizona; Confidential Client. *Role: Principal Investigator.*

Final EIS; Tucson, Pima County, Arizona; Confidential Client. SWCA has prepared an EIS as the prime third-party contractor to the U.S. Forest Service (Forest Service). The proposed project is located on Forest Service, BLM, and private lands covering more than 5,000 acres. *Role: Principal Investigator.*

Florence-Benson Catchment Surveys; Pinal County, Arizona; Arizona Game and Fish Department. *Role: Principal Investigator.*

Forest Consultation Support; Tucson, Pima County, Arizona; Confidential Client. *Role: Principal Investigator.*

Fort Huachuca Project - Tribal Consultation Meeting; Cochise County, Arizona; Vernadero Group. *Role: Project Manager. Coordinate all event and travel arrangements/reimbursements with the 11 tribes consulted by the Fort and prepare meeting minutes.*

Fort Huachuca Uniform Town; Cochise County, Arizona; Vernadero Group. *Role: Project Manager. Coordinate all event and travel arrangements/reimbursements with the 11 tribes consulted by the Fort, and prepare meeting minutes.*

Fort Mohave-California Village Roads; Mohave County, Arizona; WHPacific. *Role: Principal Investigator.*

Fort Mojave - Arizona Villages; Mohave County, Arizona; WHPacific. *Role: Principal Investigator.*

Ft. Huachuca Fall 2009 Tribal Meeting; Cochise County, Arizona; Vernadero Group. *Role: Project Manager. Coordinated all event and travel arrangements/reimbursements with the 11 tribes consulted by the Fort, and prepared meeting minutes.*

Ft. Huachuca Fall 2010 Tribal Meeting; Cochise County, Arizona; Vernadero Group. *Role: Project Manager. Coordinated all event and travel arrangements/reimbursements with the 11 tribes consulted by the Fort, and prepared meeting minutes.*

Fort Huachuca Garden Canyon Project; Fort Huachuca, Cochise County, Arizona; Engineering and Environmental Consultants, Inc.. *Role: Principal Investigator.*

Ft. Huachuca Garden Canyon Report Prep; Fort Huachuca, Cochise County, Arizona; Engineering and Environmental Consultants, Inc.. *Role: Principal Investigator.*

Ft. Huachuca Wind Turbine Arch Survey; Cochise County, Arizona; Vernadero Group. *Role: Project Manager.*

FWARG Camp Pendleton Ceramics Analysis; Davis, Davis County, California; Far Western Anthropological Research Group, Inc.. *Role: Proposal Coordinator.*

Galiuro Project Environmental Surveys; Gila County, Arizona; Confidential Client. CONFIDENTIAL *Role: Principal Investigator.*

Genesis Ceramics Analysis; Tucson, Pima County, Arizona; Confidential Client. CONFIDENTIAL *Role: Project Manager.*

Genesis Ceramics Analysis; Tucson, Pima County, Arizona; Confidential Client. CONFIDENTIAL *Role: Proposal Coordinator.*

Genesis Cultural Issue Resolution; Blythe, Riverside County, California; Confidential Client. CONFIDENTIAL *Role: Project Manager.*

Gila Pueblo Cell Tower Archaeological Excavation; Globe, Gila County, Arizona; Benchmark Environmental Consultants. *Role: Principal Investigator.*

Electric Well-Site and Utilities Survey; Graham County, Arizona; Graham County Utilities, Inc.. *Role: Project Manager. Class III cultural resources survey and report for proposed development area.*

Graham County Electric ASLD Archaeological Survey; Graham County, Arizona; Graham County Electric Cooperative. *Role: Principal Investigator.*

Grand Canyon National Park Airport Environmental Services; Chandler, Maricopa County, Arizona; Dibble and Associates. *Role: Principal Investigator.*

Gray Wolf Archaeological Mitigation; Pima County, Arizona; Waste Management. *Role: Principal Investigator.*

Greenlee County Airport 2016 Resource Studies; Clifton, Greenlee County, Arizona; Coffman Associates, Inc.. *Role: Principal Investigator.*

Hidden Hills Transmission Line Environmental Impact Statement; Clark And Nye Counties, Nevada; Valley Electric Association, Inc.. As a third-party contractor, SWCA assisted the BLM in writing a NEPA-compliant EIS for proposed transmission facilities and a 32 mile long natural gas pipeline connected to the 500-MW solar energy generation station on approximately 3,200 acres of private land. The project is currently on hold. *Role: Principal Investigator.*

Homestead Parcel 20 Environmental Services; Pinal County, Arizona; Confidential Client. CONFIDENTIAL *Role: Principal Investigator.*

I-10 / Jefferson Ceramic Analysis; Riverside County, California; Applied EarthWorks, Inc.. *Role: Project Manager. Analyzed ceramics from two sites near Indio, California.*

Indian Village Ethnography at Camp Navajo; Pima County, Arizona; Arizona Army National Guard. *Role: Senior Project Manager. Interviewed former Navajo and Hopi workers to document Native American residence areas on post between WWII and Vietnam War, as alternative mitigation of adverse effects to the sites.*

Jan 15 Deliverables; Tucson, Pima County, Arizona; Confidential Client. *Role: Principal Investigator.*

Joshua Tree National Park Ceramic Analysis; County, California; National Park Service. *Role: Project Manager. Analyzed ceramics and prepared report.*

Julian Wash Site Testing; Pima County, Arizona; Meridian Engineering. *Role: Principal Investigator.*

KAFB Natural and Cultural Resources Management; Albuquerque, Bernalillo County, New Mexico; Prudent Technologies, Inc.. *Role: Principal Investigator.*

Kirtland Air Force Base Natural and Cultural Resources Management; Albuquerque, Bernalillo County, New Mexico; Prudent Technologies, Inc.. *Role: Principal Investigator.*

KB Home Tucson Hardy Estates Class III Cultural Resources Survey; Pima County, Arizona; KB Home-Tucson Division. *Role: Project Manager.*

Kelvin Bridge 2015 Environmental Services; Pinal County, Arizona; Pinal County. *Role: Principal Investigator.*

Kelvin Bridge Phase II Data Recovery; Kelvin, Pinal County, Arizona; Entellus, Inc.. SWCA conducted testing, excavation, and documentation of features during data recovery on a multi-component prehistoric village and historic town site. *Role: Principal Investigator.*

Kinder Morgan Project Support; Colorado Springs, El Paso County, Colorado; Kinder Morgan, Inc.. *Role: Principal Investigator.*

La Plaza 106 Consultation; Los Angeles, Los Angeles County, California; LA Plaza de Cultura y Artes. SWCA was contracted to provide expert consultation for the treatment of the human remains and cultural resources excavated from the site in accordance with all state and federal laws, including Section 106 of the National Historic Preservation Act (NHPA), the Native American Graves Protection and Repatriation Act (NAGPRA), the National Environmental Policy Act (NEPA), and the California Environmental Quality Act (CEQA).

*Role: Principal Investigator.*

LA Plaza Analysis, Reburial, and Boundary Testing; Los Angeles, Los Angeles County, California; County of Los Angeles. SWCA conducted cultural test excavation units for excavation activities. *Role: Principal Investigator.*

**LCAI Quinn Canyon Ethnographic & Archaeological Project; Lincoln County, Nevada; U.S. Bureau of Land Management.** SWCA conducted ethnographic and archaeological inventories at the Quinn Canyon Massacre Site, Lincoln County, Nevada. *Role: Principal Investigator. Conducted archival research and interviews of tribal representatives with ties to the reputed Quinn Canyon massacre site; authored chapter; presented paper at professional conference documenting use of oral history to test written accounts.*

**Legends Master-Planned Community; Pinal County, Arizona; CHI Construction Company.** *Role: Principal Investigator.*

**Lincoln County Historic Context for Ranching and Farming; Lincoln County, Nevada; U.S. Bureau of Land Management.** *Role: Principal Investigator.*

**Well Site; Pima County, Arizona; Malcolm Pirnie, the Water Division of ARCADIS.** *Role: Principal Investigator.*

**Maracay Adora Trails Parcel 10 Environmental Services; Chandler, Maricopa County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Marana Park Class III Cultural Resources Survey; Pima County, Arizona; Town of Marana.** *Role: Principal / Project Manager. Class III cultural resources survey and report for proposed development area.*

**Marana Regional Park Historic Properties Treatment Plan; Pima County, Arizona; Town of Marana.** *Role: Principal / Project Manager. Prepared HPTP using cultural landscape approach.*

**Marana Heritage Park Arch Survey Report; Pima County, Arizona; Town of Marana.** *Role: Principal Investigator.*

**Marana Substation North; Marana, Pima County, Arizona; TRICO Electric Cooperative, Inc..** *Role: Principal Investigator.*

**Marana Thornydale Road; Marana, Pima County, Arizona; Town of Marana.** *Role: Project Manager. Prepared monitoring plan, supervised field crew, technical edit of final report.*

**Naval Air Facility, Twentynine Palms- Cultural Resource; San Bernardino County, California; NAVFAC SW.** SWCA provided expert cultural resource management services in compliance with Sections 106 and 110 of the NHPA within portions of four training areas at Marine Corps Air Ground Combat Center Twentynine Palms. SWCA conducted Phase I Archaeological Identification Survey of a 1,575-acre area where live-fire training exercises were planned and Phase II Archaeological Site Evaluation for 10 archaeological sites that are in danger of being adversely affected by military operations. *Role: Principal Investigator.*

**Meridian Ranch Data Recovery Plan and Data Recovery; Maricopa County, Arizona; Meridian Estates, LLC.** *Role: Principal Investigator.*

**Meritage Kai 291N Cultural Services; Pima County, Arizona; Meritage Homes Corporation.** *Role: Project Manager / Principal Investigator.*

**Meritage Kai 291S Archaeological Testing; Oro Valley, Pima County, Arizona; Meritage Homes Corporation.** *Role: Principal Investigator.*

**Meritage Sycamore Farms Environmental Services; Chandler, Maricopa County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Mescalero Cultural Resource Fund Phase 2 Grant; Pima County, Arizona; Mescalero Apache Tribe Historic Preservation Office.** *Role: Project Manager. PI*

**Morrison Ranch; Maricopa County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Mountain View Ceramic Analysis; Riverside County, California; Applied EarthWorks, Inc..** *Role: Project Manager. Analyzed prehistoric ceramics and prepared technical report.*

**TO14 MV-22 Archaeological Survey and Evaluation; Multiple Counties, Multiple States; NAVFAC SW.** SWCA provided expert cultural resource management services in compliance with Sections 106 of the NHPA within four Marine Corps installations in California and Arizona. SWCA conducted Phase I Archaeological Identification Survey and Phase II Archaeological Site Evaluation for this project in support of environmental clearance of proposed MV-22 Osprey landing zones. *Role: Project Manager. Class III field survey of 5000 acres completed and reported in record time to comply with military training scheduled. Field crew was drawn from SWCA Tucson, Phoenix, Salt Lake City, and Pasadena offices.*

**Northern Arizona Proposed Withdrawal Environmental Impact Statement; Coconino And Mohave Counties, Arizona; U.S. Bureau of Land Management.** SWCA was the primary contractor to the BLM and four federal cooperating agencies (U.S. Forest Service, National Park Service, U.S. Fish and Wildlife Service, and U.S. Geological Survey) to determine the potential impact of a 20-year withdrawal of approximately 1 million acres of federal lands from new mineral exploration and mining near Grand Canyon National Park. As a land withdrawal, a key component of the project is the potential land use in the absence of the withdrawal. The EIS process attracted widespread national and international interest, with nearly 400,000 individual comment submittals received during the scoping and public comment periods. *Role: Principal Investigator.*

**AZ Wholesale Growers 404 Notice of Violation Response Letter; Maricopa County, Arizona; AZ Wholesale Growers.** *Role: Principal Investigator.*

**Ocotillo and McQueen Environmental Services; Maricopa County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Orange Grove/Rancho Mesa Verde Archaeological Survey; Yuma, Yavapai County, Arizona; Stantec, Inc..** *Role: Principal Investigator.*

**Outpost Estates II Data Recovery; Tucson, Pima County, Arizona; Outpost Development.** *Role: Principal Investigator.*

**Patano-Kartchner Archaeological Monitoring; Cochise County, Arizona; Arizona Generation and Transmission Cooperatives.** *Role: Principal / Project Manager. Prepared monitoring plan, and provided archaeological monitor during installation of new equipment.*

**Perrin Construction Monitoring; Coconino County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Perrin Cultural Survey; Coconino County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Perrin Tribal Monitoring; Coconino County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Environmental Assessment; Pima County, Arizona; CalPortland Company.** *Role: Principal Investigator.*

**Project Management 2011-2012; Tucson, Pima County, Arizona; Confidential Client.** *Role: Principal Investigator.*

**Public Participation Process; Tucson, Pima County, Arizona; Confidential Client.** *Role: Principal Investigator.*

**Pyramid Peak ASLD Purchase; Phoenix, Maricopa County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Pyramid Peak Water Treatment Plant Water Infrastructure Finance Authority Environmental Information Document; Peoria, Maricopa County, Arizona; Black & Veatch Corporation.** *Role: Principal Investigator.*

**Quail Creek Park Survey; Pima County, Arizona; Olsson Associates.** *Role: Principal Investigator. Class III cultural resources survey and report for proposed development area.*

**Quechan Fieldwork; Bernalillo County, New Mexico; Confidential Client.** *Role: Principal Investigator.*

**Rancho Vistoso Neighborhood 5 Environmental Services; Oro Valley, Pima County, Arizona; Mattamy Arizona, LLC.** *Role: Principal Investigator.*

**Ray Mine Supplemental Environmental Impact Statement; Kearny, Multiple Counties, Arizona; ASARCO LLC.** SWCA is working to complete the Ray Land Exchange Supplemental EIS under the guidance of the Arizona State Office and Tucson Field Office of the BLM. The copper mining firm ASARCO LLC hopes to acquire up to 10,976 acres of BLM surface and mineral estate adjacent to its long-established Ray open-pit mine in east-central Arizona in exchange to BLM of approximately 7,304 acres of riparian and other sensitive native habitat, primarily in northwestern Arizona. *Role: Subject Matter Expert. Review of documents and advice on tribal consultation.*

**Reclamation LCR Arch Survey; Yuma County, Arizona; Hitachi Consulting.** *Role: Project Manager.*

**Resolution Copper EIS Public Scoping; Superior, Pinal County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Resolution Copper Project Environmental Impact Statement; Superior, Pinal County, Arizona; Resolution Copper Mining, LLC.** CONFIDENTIAL *Role: Principal Investigator.*

Resolution Copper Project Environmental Impact Statement-2017; Superior, Pinal County, Arizona; Confidential Client.  
CONFIDENTIAL *Role: Principal Investigator.*

Riverside Airport Expansion; Riverside, Riverside County, California; Coffman Associates, Inc.. SWCA conducted biological, cultural, and paleontological resources assessment surveys and prepared corresponding technical documents in support of an expansion project at the existing Riverside Municipal Airport. SWCA included a records search using the California Historical Resources Information System (and the Eastern Information Center at the University of California-Riverside records database); an initial Native American consultation with the California Native American Heritage Commission for a review of their Sacred Lands File; and a pedestrian cultural resources field survey. *Role: Principal Investigator.*

Riverside Airport Expansion Project; Riverside, Riverside County, California; Coffman Associates, Inc.. *Role: Principal Investigator.*

Rocking K South Mitigation Plan; Pima County, Arizona; Diamond Ventures. *Role: Principal Investigator.*

Rocky Mountain Power LiDAR Project; Multiple Counties, Multiple States; PacifiCorp. SWCA was contracted to work on natural and cultural resource environmental compliance issues for a t-line realignment. *Role: Principal Investigator.*

Rolle Airfield Environmental Assessment; San Luis, Yuma County, Arizona; Armstrong Consultants, Inc.. The EA was prepared to analyze proposed airfield improvements on 130 acres, which would be implemented in a phased manner over a 20-year period consistent with the airport layout plan. SWCA conducted the biological, archaeological (including historic), and air quality sections, and Armstrong Consultants Inc. compiled the remaining portions of the EA. *Role: Principal Investigator.*

Rosemont Alternatives Archaeological Survey; Tucson, Pima County, Arizona; Rosemont Copper Company. *Role: Project Manager.* *Class III field inventory of >5,000 acres for the final alternatives for the proposed copper mine. Performed field survey and prepared report of findings for 39 sites in a 2-month turnaround.*

*Prior to the determination of the final alternatives for the DEIS, conducted an archival records search of the archaeological resources previously identified in the proposed project area and projected anticipated resources that might be found upon field inventory.*

Rosemont Copper Project - 2008; Tucson, Pima County, Arizona; Rosemont Copper Company. *Role: Principal Investigator.*

Rosemont Copper Project - 2009; Tucson, Pima County, Arizona; Rosemont Copper Company. *Role: Principal Investigator.*

Rosemont Copper Project - 2009 Addtl CNF Requests (T&M); Tucson, Pima County, Arizona; Rosemont Copper Company. *Role: Principal Investigator.*

Rosemont Copper Project - 2009 EIS Document; Tucson, Pima County, Arizona; Rosemont Copper Company. *Role: Principal Investigator.*

Rosemont Copper Project - 2009 Technical Reports; Tucson, Pima County, Arizona; Rosemont Copper Company. *Role: Principal Investigator.*

Rosemont Copper Project EIS 2011 - Task 13 DEIS 2011; Tucson, Pima County, Arizona; Rosemont Copper Company. *Role: Principal Investigator.*

Rosemont Mine Environmental Impact Statement; Tucson, Pima County, Arizona; Rosemont Copper Company. As a third party contractor, SWCA worked with the U.S. Forest Service (USFS) and Coronado National Forest to determine and document potential environmental impacts of a proposed open-pit copper, molybdenum, and silver mine on more than 5,000 acres of private and National Forest lands in the Santa Rita Mountains in southeastern Tucson. *Role: Archaeologist / Ethnographer. Managed the Class III cultural resources survey of the alternative areas for the project; assisted the Forest in its tribal consultation for the project â€“ providing logistical support for all tours and meetings, and working with tribal representatives to document the significant cultural resources for each tribe; authored an Ethnohistory of the project area; conducted interviews and co-authored the National Register of Historic Places registration form for the Cewi Duag Traditional Cultural Property. Synthesized the data accrued through the Class I and Class III surveys, ethnohistory, and tribal consultation to prepare the Cultural Resources portions of the DEIS.*

Rosemont Mine Geotechnical Monitoring; Tucson, Pima County, Arizona; Rosemont Copper Company. *Role: Principal Investigator.* *Performed Subject Matter Expert (SME) review of project report.*

**RTA Sidewalk Package 2 - Monitoring Phase (3); Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Russell Ranch; Maricopa County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Ryan Airfield Drainage Improvements Environmental Services; Tucson, Pima County, Arizona; C&S Engineers, Inc.** SWCA is conducting the resource studies to provide baseline information for the environmental assessment being prepared for the project and to facilitate necessary environmental permits and/or approvals. SWCA's work includes tasks to prepare a biological assessment and a biological regulations memorandum, Clean Water Act Section 404 permitting, a cultural resources survey, NEPA support, and a Phase I Environmental Due Diligence Audit. *Role: Principal Investigator.*

**Saguaro Bloom Archaeology Report Review; Pima County, Arizona; Town of Marana.** *Role: Proposal Coordinator.*

**San Bernardino Line Natural and Cultural Resources; Cochise County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**San Manuel Airport On-Airport Obstruction Removal CATEX; Pinal County, Arizona; Dibble Engineering.** *Role: Principal Investigator.*

**San Villagio Environmental Services; Maricopa County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Sands Ranch Prairie Dog Habitat Cultural Resources Survey; Pima County, Arizona; Pima County Cultural Res & Historical Preservation.** *Role: Principal Investigator.*

**Santa Cruz Interceptor Phase 3 Monitoring; Pima County, Arizona; Pima County.** *Role: Principal Investigator.*

**Santa Cruz Interceptor Phases II and III; Pima County, Arizona; Pima County.** The cultural resources work was conducted in phased tasks to meet Arizona and Pima County cultural resources requirements. A portion of the project was on Arizona Department of Transportation (ADOT) land. SWCA was responsible for obtaining all necessary permits and agreements, including a Burial Agreement, for the cultural resources investigations. *Role: Principal Investigator.*

**Santiago Environmental Services; Maricopa County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Seba Dalkai Charter School; Seba Dalkia, Navajo County, Arizona; David E. Shambach, Architect, Inc..** SWCA completed a biological evaluation, National Historic Preservation Act Section 106 evaluation, and an environmental assessment for a charter school on the Navajo Nation funded by the Department of Education. *Role: Principal Investigator.*

**Set-up/Kickoff Meeting; Bernalillo County, New Mexico; Confidential Client.** *Role: Principal Investigator.*

**Sierrita Mine - Twin Buttes; Pima County, Arizona; Freeport McMoRan Copper & Gold, Inc..** *Role: Principal Investigator.*

**Sierrita Pipeline Cultural Resources Year 2015; Pima County, Arizona; Sierrita Gas Pipeline, LLC.** *Role: Principal Investigator.*

**Sierrita Pipeline Project Cultural Resources Services; Pima County, Arizona; Sierrita Gas Pipeline, LLC.** SWCA conducted an archaeological survey, ethnohistoric research, data recovery excavations, construction monitoring, and Section 106 review consultation assistance services for a Federal Energy Regulatory Commission-regulated natural gas pipeline project. *Role: Principal Investigator.* *Conducted cultural landscape study with Tohono O'odham Nation and authored report; senior author of final report on data recovery excavations of eight sites adversely affected by the project.*

**Sigurd Red Butte Cultural Resources Report; County, Utah; PacifiCorp.** The Sigurd to Red Butte 345-kV #2 Project consists of approximately 170 miles of single-circuit 345-kV construction from the existing Sigurd Substation near Richfield, Utah, to the existing Red Butte Substation near Central, Utah. The route exits the Sigurd Substation and crosses Interstate 70, Fremont Indian State Park, and inventoried roadless areas in the Dixie National Forest. SWCA provided oversight on key issues related to surveys for Utah prairie dog and greater sage-grouse. *Role: Principal Investigator.*

**Silver Creek Wind; Mohave County, Arizona; Confidential Client.** *Role: Principal Investigator.*

**Silverbell Army Helipad Survey; Marana, Pima County, Arizona; Arizona Army National Guard.** *Role: Principal Investigator.*

**COT 14-10 Silverbell Road Grant to Goret Archaeological Testing; Pima County, Arizona; City of Tucson.** Based on the recommendations provided by SWCA in its 2009 survey of the road corridor, COT requested that a developed area in which no resources were

detected on the ground surface, be tested for the presence of subsurface cultural deposits. Two sites were identified in the testing and recommendations were provided for data recovery if the sites cannot be avoided during road realignment. *Role: Principal Investigator. Authored testing plan and supervised fieldwork; co-author of project final report.*

**Silverbell Road, Ina Road to Grant Road; Pima County, Arizona; Kittelson & Associates, Inc..** SWCA was contracted to conduct environmental clearance studies for the Regional Transportation Authority Silverbell Road widening project. SWCA also provide public outreach and project coordination, including attendance at four public open houses. *Role: Principal / Project Manager. Class III cultural resources survey and report for proposed development area.*

**Santa Monica Mountains National Recreation Area Ceramic Analysis; Pima County, Arizona; National Park Service.** *Role: Project Manager.*

**Southland Solar Permitting; Laughlin, Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator.*

**Southline Transmission Environmental Impact Statement; Pima County, Arizona; Southline Transmission LLC.** SWCA served as the third-party NEPA consultant to the BLM and Western Area Power Administration (the co-lead federal agencies) and Southline LLC (the proponent). The project proposed more than 360 miles of new and rebuilt transmission line, and will provide 1,000 MW of capacity in southern New Mexico and Arizona. The new build portion of the transmission line is located from Las Cruces, New Mexico, to Willcox, Arizona and the rebuilt transmission line was located from Willcox, Arizona, to northwest Tucson, Arizona. The line will cross federal lands managed by the BLM and other agencies as well as state, private, and tribal lands. *Role: Principal Investigator. Limited role. DO NOT USE.*

**Southline Transmission Line EIS 2014; Multiple Counties, Multiple States; Southline Transmission LLC.** As a third-party contractor, SWCA assisted the Bureau of Land Management and Western Area Power Administration in writing a NEPA-compliant Environmental Impact Statement for a proposed electrical transmission line that entails more than 360 miles of new and rebuilt transmission line from south of Las Cruces, New Mexico to northwest of Tucson, Arizona. *Role: Principal Investigator.*

**St. Augustine's Plaza Project; Pima County, Arizona; City of Tucson.** *Role: Project Manager.*

**Sunset Road Realignment Archaeological Phase II Data Recovery; Pima County, Arizona; Pima County Cultural Res & Historical Preservation.** SWCA conducted Phase I testing of the proposed project area for realignment of Sunset Road. SWCA was also awarded the competitive contract for the Phase II data recovery. Each phase involved trenching and areal exposure of features, geomorphological analyses of the Holocene Rillito Fan, and specialized analyses of artifacts and samples. The Phase I report included recommendations for research issues and significant areas to be investigated in Phase II data recovery. During Phase II, footprints more than 2,500 years old were found in an extensive agricultural field with lateral canals, as well as Hohokam Sedentary period house clusters and agricultural fields. The project also included testing bottle dumps from the Sunset Dairy, a historic Tucson fixture between 1921 and the mid-1980s. *Role: Principal Investigator. Responsibilities: Developed research designs for both phases; senior author of Phase I report; developed a plan for the County to document, conserve, and provide public interpretation of the footprints; analyses are ongoing for Phase II.*

**Sunset Road Phase 1 Data Recovery Testing; Pima County, Arizona; Pima County Cultural Res & Historical Preservation.** Under its on-call contract with Pima County, SWCA conducted Phase I testing of the proposed project area for realignment of Sunset Road. SWCA was also awarded the competitive contract for the Phase II data recovery. Each phase involved trenching and areal exposure of features, geomorphological analyses of the Holocene Rillito Fan, and specialized analyses of artifacts and samples. The Phase I report included recommendations for research issues and significant areas to be investigated in Phase II data recovery. During Phase II, footprints more than 2,500 years old were found in an extensive agricultural field with lateral canals. *Role: Principal Investigator. Developed research designs for both phases; senior author of Phase I report; developed a plan for the County to document, conserve, and provide public interpretation of the footprints; analyses are ongoing for Phase II.*

**Sunset Road Specialized Documentation of Agricultural Features; Pima County, Arizona; Pima County Cultural Res & Historical Preservation.** SWCA conducted Phase I testing of the proposed project area for realignment of Sunset Road. SWCA was also awarded the competitive contract for the Phase II data recovery. Each phase involved trenching and areal exposure of features, geomorphological analyses of the Holocene Rillito Fan, and specialized analyses of artifacts and samples. The Phase I report included recommendations for research issues and significant areas to be investigated in Phase II data recovery. During Phase II, footprints more than 2,500 years old were found in an extensive agricultural field with lateral canals, as well as Hohokam Sedentary period house clusters and agricultural fields. The project also included testing bottle dumps from the Sunset Dairy, a historic Tucson fixture between 1921 and the mid-1980s. *Role: Principal Investigator.*

Swan Road Industrial Park; Tucson, Pima County, Arizona; Bosque Engineering. *Role: Project Manager. Class III cultural resources survey and report for proposed development area.*

Environmental Permitting Support for SWTC and CAP Joint Projects; Pima County, Arizona; Electrical Consultants, Inc.. *Role: Principal Investigator.*

SWTC CAP Archaeological Mitigation; Pima County, Arizona; Electrical Consultants, Inc.. *Role: Principal Investigator.*

SWTC San Manuel Environmental Assessment (EA) Revisions; Cochise County, Arizona; Arizona Generation and Transmission Cooperatives. *Role: Principal Investigator.*

Tangerine Farms Improvement District; Marana, Pima County, Arizona; Town of Marana. *Role: Project Manager. Class III cultural resources survey and report for proposed development area.*

Tangerine Farms Improvement Testing; Marana, Pima County, Arizona; Town of Marana. *Role: Project Manager. Supervised field testing of cultural resources and preparation of final project report.*

Tegawah Trilogy Environmental Services; Maricopa County, Arizona; Maracay Homes, LLC. *Role: Principal Investigator.*

The Villages of Tortolita Environmental Services; Marana, Pima And Pinal Counties, Arizona; Morrison-Maierle, Inc.. *Role: Principal Investigator.*

Management Plan for Archaeological Resources in the Proposed Tinajas Altas Archaeological District of the Barry M. Goldwater Range at Marine Corps Air Station Yuma; Yuma County, Arizona; U.S. Army Corps of Engineers. *Role: Project Manager. Prepared nomination using data from previous SWCA project.*

TOM Municipal Complex Cultural Resources Survey; Marana, Pima County, Arizona; Town of Marana. *Role: Project Manager.*

TOM Olsson Parcel DR Report Review; Tucson, Pima County, Arizona; Town of Marana. *Role: Project Manager.*

Town of Marana 2014 On-Call; Pima County, Arizona; Town of Marana. *Role: Project Manager.*

Town of Marana Cultural Resources Document Review; Pima County, Arizona; Town of Marana. *Role: Proposal Coordinator.*

Trico Double Circuit Rebuild; Marana, Pima County, Arizona; TRICO Electric Cooperative, Inc.. *Role: Principal Investigator.*

Trico Underground Cable Replacement Environmental Services; Tucson, Pima County, Arizona; TRICO Electric Cooperative, Inc.. *Role: Principal Investigator.*

Tumamoc Hill GIS Database; Pima County, Arizona; Pima County. Acquired data from previous investigations of Tumamoc Hill to create a GIS database to assist Pima County with future preservation efforts on Tumamoc Hill's western slope. In addition to GIS data, SWCA compiled a bibliography of past cultural resources research conducted on the Tumamoc Hill property and provided copies of prior reports, historic maps and aerial photographs, and a selection of photographs documenting the current status of the Pima County-owned parcel. *Role: Principal Investigator. Performed Subject Matter Expert review of the deliverables.*

Tumamoc Report and Management Plan; Pima County, Arizona; Pima County. SWCA compiled existing cultural resources survey data from the draft Tumamoc Hill Cultural Resources Management Plan, previous cultural resources and surveys, maps, and other data sources and prepare a cultural resources inventory report written to meet ASLD and SHPO standards. Using the provided draft management plan, we completed final documentation, preparation, and production of the final management plan to be used for the expanded property. *Role: Principal Investigator. Performed Subject Matter Expert review of the deliverable.*

Tusayan Flood Control Project; Coconino County, Arizona; South Grand Canyon Sanitary District. *Role: Principal Investigator.*

Documentation of Historic Structures; Pima County, Arizona; University of Arizona, Campus & Facilities Planning. *Role: Principal Investigator.*

Historic Structures Documentation; Pima County, Arizona; University of Arizona, Campus & Facilities Planning. *Role: Project Manager.*

Union Pacific Railroad Estrella-Stockham Archaeological Survey; Multiple Counties, Arizona; Olsson Associates. *Role: Tribal Specialist. Consulted with 10 tribes and prepared summary of input on behalf of U.S. Army Corps of Engineers.*

US 40 Alternate Route Preservation; Uintah County, Utah; AECOM, Inc.. *Role: Principal Investigator.*

Utah Asian and Pacific Islander Heritage Sites Research and Report; Tooele, Tooele County, Utah; Utah Division of State History. *Role: Principal Investigator.*

Varner Road Ceramic Analysis; Riverside County, California; Applied EarthWorks, Inc.. *Role: Ceramic Analyst. Analyzed of prehistoric ceramics and prepared technical report.*

Volvo Parcels; Pima County, Arizona; FF Development, LP. *Role: Principal Investigator.*

Vulcan Materials Jurisdictional Delineation and Biological Evaluating; Surprise, Maricopa County, Arizona; Vulcan Materials Company. *Role: Principal Investigator.*

Vulcan State Land Mineral Lease; Maricopa County, Arizona; Vulcan Materials Company. *Role: Principal Investigator.*

Watson Estates Environmental Services; Maricopa County, Arizona; Confidential Client. CONFIDENTIAL *Role: Principal Investigator.*

Whetstone Ranch West Section 404 Permitting; Benson, Cochise County, Arizona; Sage Community Group, Inc.. *Role: Use C-record Instead.*

Whetstone Ranch West Environmental Services; Benson, Cochise County, Arizona; Sage Community Group, Inc.. *Role: Principal Investigator.*

Wickenburg Ranch Environmental Services; Chandler, Maricopa County, Arizona; Maracay Homes, LLC. *Role: Principal Investigator.*

Wolf Hole and Seegmiller Archaeological Monitoring; Multiple Counties, Utah; MD Merrett Inc. *Role: Principal Investigator.*

# MANDI MARTINEZ, M.A., RPA, SENIOR ARCHAEOLOGIST

Ms. Martinez is a Cultural Resources Project Manager and Principal Investigator with 18 years of experience in archaeology and cultural resources management (CRM). Her professional experience encompasses a wide range of activities in field, laboratory, and office settings, dealing with pre-Euroamerican contact, protohistoric, and historic resources. Her field experience includes extensive background in the management of cultural resources compliance for large-scale seismic projects, military installations, and associated artifact analysis. She is experienced with regulatory frameworks in four states: California, Nevada, New Mexico, and Texas.

Ms. Martinez exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Principal Investigator. She has a master's degree in Anthropology, and has completed numerous projects including competence in theory, method, recordation, collection, handling, analysis, evaluation, and reporting, including planning, equipping, staffing, organizing, and supervising extensive archaeological projects. This includes the ability to complete project on time and under budget with research reports, her master's thesis, and other similar research documents. She has completed more than 3 years of Nevada field, more than 6 years of Texas and New Mexico field, and more than 3 years of California field experience. Ms. Martinez has been performing as a Principal Investigator for more than 4 years in California. Ms. Martinez has experience in team management in the environmental management sector. She also has expertise in project performance and compliance with federal, state, and local regulations; implementation of environmental mitigation monitoring plans for complex projects; report production; direction of cultural resources surveys and mitigations; coordination with Native American groups; and management of a large cultural resources staff.

YEARS OF EXPERIENCE	
18	
EXPERTISE	
Project management	
Cultural resources management	
NEPA compliance	
Ceramic analysis	
Lithic analysis	
Geographic Information Systems	
Regulatory compliance and permitting in three states	
EDUCATION	
B.S., Anthropology emphasis in Cultural Resource Management; California Polytechnic State University, Pomona; 2001	
M.A., Anthropology; New Mexico State University; 2006	
REGISTRATIONS / CERTIFICATIONS	
Registered Prof. Archaeologist; 12/4/2007	

## SELECTED PROJECT EXPERIENCE (\* denotes project experience not at SWCA)

### Camino Solar Environmental Support; Kern County, California; Aurora Solar, LLC.

SWCA is providing technical studies and permitting support for this proposed 44-MW solar PV project. SWCA prepared a Plan of Development (POD) in compliance with the BLM's guidelines for solar energy development, and Conditional Use Permit application for Kern County. Field studies conducted to date include a delineation of potentially jurisdictional waters to allow the project to avoid lengthy permitting for impacts to jurisdictional waters. SWCA is currently preparing an entitlement package to support an application for a Conditional Use Permit from Kern County, and conducting biological studies at the site. Camino Solar will be one of the first renewable energy projects permitted through the Desert Renewable Energy Conservation Plan (DRECP). *Role: Cultural Resources Specialist.*

### HSR CP4 Pre-Construction Archaeological and Built Environment Support; Multiple Counties, California; Confidential Client.

SWCA is providing environmental services including preparation of CEQA/NEPA re-examinations, cultural resources, and paleontological resources support for design-build phase, which includes 22.4 mile stretch of overall project within Fresno to Bakersfield section. Cultural and paleontological services include conducting surveys and monitoring, and preparing survey reports and monitoring plans, in compliance with the project Memorandum of Agreement for Section 106 compliance. *Role: Cultural Resources Specialist. Duties include project tracking and management, quality assurance/quality control, preparation of deliverables, oversight of fieldwork, and coordination with overseeing agencies.*

### SCE Large Capital On-call Environmental Consulting Services; Multiple Counties, California; Southern California Edison Company.

SWCA was contracted to provide on-call environmental services including biological, cultural, and paleontological resources, and water permitting and licensing support for SCE. *Role: Cultural Resources Specialist.*

DOD Secret Clearance/Department of the Navy; Current

#### MEMBERSHIPS

Society for California Archaeology, Member

Society for American Archaeology, Member

**2600 Capitol; Sacramento County, California; Loftworks.** SWCA Environmental Consultants prepared the construction workers of a small land development project for cultural resources identification and protection. Performed on-call monitoring. Managed the preparation of a Technical/Background Study to describe cultural resources in the planning area. Cultural resources included archaeological and historical objects, sites and districts, historic buildings and structures, cultural landscapes, and sites and resources of concern to local Native American and other ethnic groups. *Role: Project Manager.*

**AG Creek Waterway Management Program and Environmental Impact Report; San Luis Obispo County, California; San Luis Obispo County.** Teaming with two other firms, SWCA provided the design basis and methodology for long-term flood management along the 4-mile Arroyo Grande Creek channel, preparing the Waterway Management Plan, EIR, Wetland Assessment, Section 106 documentation, and project permitting. *Role: Cultural Resources Specialist.*

**Concord; Contra Costa County, California; ARUP.** *Role: Cultural Resources Specialist.*

**Bear Valley Ski Resort Environmental Impact Report; Alpine County, California; Alpine County.** *Role: Cultural Resources Specialist.*

**Berry Creek Rancheria; Butte County, California; PAIKI.** Road improvement project funded by the Bureau of Indian Affairs (BIA). *Role: Project Manager.*

**Blackhawk II Development Project Environmental Impact Report; Kern County, California; Kern County.** *Role: Cultural Resources Specialist.*

**Cultural Resources Study Regarding Motorized Vehicle Routes of Travel in the California Desert District; Multiple Counties, California; U.S. Bureau of Land Management.** *Role: Project Manager.*

**Burcher Project; Sacramento County, California; Sacramento County.** *Role: Project Manager.*

**TO 8-NAWS China Lake Integrated Cultural Resources Management Plan; Multiple Counties, California; NAVFAC SW.** *Role: Project Manager.*

**Stillwater Business Park Transmission Line Project; Redding, Shasta County, California; Power Engineers, Inc.** *Role: Cultural Resources Specialist.*

**Colusa Industrial Properties General Plan and Zoning Amendment Environmental Impact Report; Colusa County, California; Colusa County.** *Role: Cultural Resources Specialist.*

**Cosumnes Power Plant Project Environmental Monitoring; Sacramento County, California; Sacramento Municipal Utility District.** SWCA provided cultural resources monitoring with previously approved monitors for soil boring/augering, or other soil disturbance at Cosumnes Power Plant, for the duration of soil disturbance, and prepare a daily log. Reported on monitoring and findings, and prepared a summary report in accordance with the CPP conditions of certification. *Role: Cultural Resources Specialist.*

**Dayton Canyon Estates Development; Los Angeles County, California; Sun Cal Companies.** *Role: Project Manager.*

**Doering Tentative Parcel Map Project; Sacramento County, California; Sacramento County.** *SWCA Environmental Consultants was retained by the County of Sacramento to conduct a cultural resources inventory for the tentative parcel map project proposed by a private party.* *Role: Project Manager.*

**Dry Creek; Sacramento County, California; Sacramento County.** *Role: Cultural Resources Specialist.*

**Easton Project Environmental Impact Report; Sacramento County, California; Sacramento County.** *Role: Cultural Resources Specialist.*

**Wind Project; Ely, White Pine County, Nevada; Confidential Client.** *Role: Cultural Resources Specialist.*

**Evaluation of CA-ALP-292; Alpine County, California; USDA Forest Service.** *Role: Project Manager.*

Final Report; Sacramento County, California; Sacramento Municipal Utility District. *Role: Cultural Resources Specialist.*

Frame Tentative Parcel Map Project; Sacramento County, California; Sacramento County. *SWCA Environmental Consultants was retained by the County of Sacramento to conduct a cultural resources inventory for the tentative parcel map project proposed by a private party. Role: Project Manager.*

Cultural Resources Survey for the SR 99 Manteca 6-Lane Widening; Manteca, San Joaquin County, California; HDR, Inc. *Role: Cultural Resources Specialist.*

Horse Lake Wind Energy Environmental Services; Lassen County, California; Confidential Client. SWCA assisted in various facets of environmental compliance including: Permitting assistance, completion of a Plan of Development (POD), NEPA and CEQA compliance support, completion of an ABPP and ECP, botanical surveys, Anabat acoustic bat surveys, and various pre-construction avian surveys. *Role: Cultural Resources Specialist.*

Laguna Interceptor; Sacramento County, California; Sacramento County. *Role: Project Manager.*

Laguna Interceptor; Sacramento County, California; Sacramento County. *Role: Cultural Resources Specialist.*

TO 9-NAS Lemoore Integrated Cultural Resources Management Plan; Kings County, California; NAVFAC SW. *Role: Project Manager.*

Loftworks Condominiums Worker Environmental Awareness Program; Sacramento, Sacramento County, California; Loftworks. *Role: Cultural Resources Specialist.*

Lumsden Ranch Environmental Impact Report; Placerville, El Dorado County, California; City of Placerville. *Role: Cultural Resources Specialist.*

MET Tower Surveys; Lassen County, California; Confidential Client. *Role: Cultural Resources Specialist.*

Modesto ULH; Stanislaus County, California; CenturyLink. *Role: Cultural Resources Specialist.*

Montage Property Biological Peer Review Services; County, NA; the Athens Group. *Role: Cultural Resources Specialist.*

Monterey Peninsula Airport Runway Safety Area Improvement Project; Monterey, Monterey County, California; Coffman Associates, Inc. SWCA provided biological, paleontological, and archeological support, including CEQA and NEPA compliance documents, for the federally-funded project, located on approximately 38.5 acres of the 597-acre property located in the city of Monterey. *Role: Cultural Resources Specialist.*

Montgomery Estates; El Dorado County, California; Stantec, Inc. *Role: Project Manager.*

Naval Air Station North Island; San Diego County, California; NAVFAC SW. *Role: Project Manager.*

Navy Cultural Resources IDIQ #5, Historic Resources Survey and Evaluation; Ventura County, California; NAVFAC SW. *Role: Cultural Resources Specialist.*

Navy Cultural Resources IDIQ #6, Historic Documentation of Quarters; Naval Base Point Loma, San Diego County, California; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

Navy Cultural Resources IDIQ #6, Historic Documentation of Quarters; Naval Base Point Loma, San Diego County, California; Confidential Client. CONFIDENTIAL *Role: Project Manager.*

Navy IDIQ Task Order #3: Survey and Evaluation of Buildings 805, 1264, and 1179; Ventura County, California; NAVFAC SW. *Role: Cultural Resources Specialist.*

Nisenan Park Archaeology; Sacramento County, California; City of Folsom. *Role: Project Manager.*

Northrop Water Pump; Sacramento County, California; Sacramento County. *Role: Project Manager.*

Park Lane SWPPP; San Joaquin County, California; Schack & Company, Inc. *Role: Cultural Resources Specialist.*

Parus 20; Sacramento County, California; Parus Consulting, Inc. *Role: Project Manager.*

Levee Erosion Repair Project; Multiple Counties, California; Parus Consulting, Inc. *Role: Cultural Resources Specialist.*

Polhamus Project; Kern County, California; Cal Lowbed Service, Inc. *Role: Cultural Resources Specialist. Managed the preparation of a Technical/Background Study to describe cultural resources in the planning area. Cultural resources included archaeological and historical objects, sites and districts, historic buildings and structures, cultural landscapes, and sites and resources of concern to local Native American and other ethnic groups.*

Fremont Bore; Santa Clara County, California; CenturyLink. *Role: Cultural Resources Specialist.*

Qwest Angeles NF; Los Angeles County, California; CenturyLink. *Role: Project Manager.*

Qwest Corporate Training; California; CenturyLink. *Role: Project Manager.*

Qwest Environmental Training; City and County Of Denver, Colorado; CenturyLink. *Role: Cultural Resources Specialist.*

Qwest Environmental Training; City and County Of Denver, Colorado; CenturyLink. *Role: Project Manager.*

Retro Lodge Project; Sacramento County, California; Heller Pacific, Inc. *Role: Project Manager.*

Robinson Rancheria; Lake County, California; PAIKI. SWCA conducted a cultural resources investigation and biological resources assessment for proposed upgrades to an existing road and paving of an unimproved road by the U.S. Bureau of Indian Affairs (BIA) within the Robinson Rancheria near the community of Nice. *Role: Project Manager.*

Robinson Ridge Continuation; Orange County, California; RSM Properties, LLC. *Role: Project Manager.*

Cultural Resources Inventory for the Proposed Construction of a 40-mile Fiber Optic line from Sacramento to Olivehurst in the Sacramento; Multiple Counties, California; CenturyLink. *Managed the preparation of a Technical/Background Study to describe cultural resources in the planning area. Cultural resources included archaeological and historical objects, sites and districts, historic buildings and structures, cultural landscapes, and sites and resources of concern to local Native American and other ethnic groups. In addition, a biological resources background report was prepared to identify all important biological resources in the planning area and the regulatory environment affecting such resources. Role: Cultural Resources Specialist.*

TO 4-NWS Seal Beach and Det. Corona Integrated Cultural Resources Management Plans; Seal Beach and Corona, Orange County, California; NAVFAC SW. *Role: Cultural Resources Specialist.*

Siller Ranch Environmental Impact Report; Yuba City, Yuba County, California; Yuba City Community Development Department. *Role: Cultural Resources Specialist.*

Cold Creek; El Dorado County, California; Stantec, Inc. *Role: Project Manager.*

Sunrise Pass; Lyon County, Nevada; U.S. Bureau of Land Management. *Role: Project Manager.*

Sunrise Powerlink Transmission Project Environmental Impact Report and Environmental Impact Statement Assistance; Imperial and San Diego Counties, California; Aspen Environmental Group. *Role: Cultural Resources Specialist.*

Sunrise Senior Living; Sacramento County, California; Kleinfelder. *Role: Project Manager.*

Talega Master Contract, Archaeological and Paleontological Services; Orange County, California; Talega Associates, LLC. *Assisted in faunal database management. Role: Cultural Resources Specialist.*

Union Pacific Railroad Estrella-Stockham Archaeological Survey; Multiple Counties, Arizona; Olsson Associates. *Conducted cultural resources research at the Southern Pacific Railroad Library in Sacramento, California. Role: Cultural Resources Specialist.*

V.V. Park; Sacramento County, California; Sacramento County. *Role: Project Manager.*

Yreka-Weed Transmission Line Upgrade; Siskiyou County, California; GeoEngineers, Inc. *Role: Cultural Resources Specialist.*

Winco Stormwater Pollution Prevention Plan; San Joaquin County, California; Schack & Company, Inc. *Role: Cultural Resources Specialist.*

**Yosemite Institute Environmental Impact Statement; Tuolumne County, California; National Park Service.** SWCA worked with Yosemite National Park and the Yosemite Institute to prepare an EIS for a proposed environmental education center. The project received strong public interest due to the expectation of new park development and expanded human activity in close proximity to sensitive natural and cultural resources and designated wilderness. *Role: Cultural Resources Specialist.*

**Proposed 60-mile Fiber Optic Line from Yuma to Niland; Imperial County, California; CenturyLink.** *Managed the preparation of a Technical/Background Study to describe cultural resources in the planning area. Cultural resources included archaeological and historical objects, sites and districts, historic buildings and structures, cultural landscapes, and sites and resources of concern to local Native American and other ethnic groups. In addition, a biological resources background report was prepared to identify all important biological resources in the planning area and the regulatory environment affecting such resources.* *Role: Cultural Resources Specialist.*

**Cultural Resources Inventory and Evaluation for the Weed Transmission Utility Upgrade Project, Siskiyou County, California; Power Engineers.** *Monitored ground disturbances and authored a letter report documenting project findings. This document was produced for the client and the California Public Utilities Commission.* *Role: Archaeological Monitor.*

**Cultural Resources Survey for the Levee Repair Project at 16 Locations, Glenn, Sacramento, Solano, Sutter, Yolo, and Yuba Counties, California; Parus Consulting, Inc.** *Co-authored and managed the production of a Technical/Background Study to describe cultural resources in the project area.* *Role: Cultural Resources Project Manager.*

**Cultural Resources Survey of the Central Sewer Trunk Rehabilitation Project, Sacramento County, California; County of Sacramento.** *Co-authored and managed the production of a Technical/Background Study to describe cultural resources in the project area.* *Role: Cultural Resources Project Manager.*

**Cultural Resources Survey for the Elverta Interchange Project, County of Sacramento, North Natomas Community, Sacramento County, California, 2008.** *Co-authored and managed the production of a Technical/Background Study to describe cultural resources in the project area.* *Role: Cultural Resources Project Manager. Client: County of Sacramento.*

**Cultural Resources Survey for BIA Proposed Roads Improvement Project, La Jolla Indian Reservation, San Diego County, California; Paiki Engineers.** *Co-authored and managed the production of a Technical/Background Study to describe cultural resources in the project area.* *Role: Cultural Resources Project Manager.*

**Cultural Resources Survey for the Eight Mile Road Improvement, San Joaquin County, California, Caltrans District 10.** *Co-authored the report and performed fieldwork and pedestrian survey for this project.* *Role: Cultural Resources Project Manager.*

**Cultural Resources Survey for the Morada Lane Road Improvement, San Joaquin County, California; Caltrans District 10.** *Co-authored the report and did some of the fieldwork and pedestrian survey for this project.* *Role: Cultural Resources Project Manager.*

**Data Recovery on Archaeological Site CA-ORA-907 for the Talega Development Project, Orange County, California; Talega.** *Assisted in faunal database management.* *Role: Cultural Resources Specialist.*

**Cultural Resources Inventory for the Stream Channel Clearing Project, South Fork Silver Creek below Ice House Dam, El Dorado County, California; Stillwater Sciences and the U.S. Army Corps of Engineers.** *Co-authored and managed the production of the final report.* *Role: Cultural Resources Specialist.*

**\*Brownsville Navigation District Laguna Madre Seismic Survey, Laguna Madre, Texas; PGS.** *Field archaeologist, field crew manager, and co-author, conducted archaeological surveys in advance of seismic exploration.* *Role: Cultural Resources Manager.*

**\*Excavation of Madera Quemada a 13-Room Pueblo, El Paso County, Texas; Fort Bliss Military Reservation.** *Excavated and documented 13-room pueblo to avoid impact by army maneuvers; site became protected and preserved. Served as field archaeologist; duties included: collection of dendrochronology samples, soil samples, float samples, and bead caches. Analyzed artifacts and curated artifacts for holding at the Texas Archaeological Research Laboratory at the University of Texas, Austin.* *Role: Cultural Resources Specialist.*

\*Cultural Resources Work Plan, Monitoring, Technical Report, and Training for UXO Remediation Near University of California San Diego (UCSD), San Diego County, California; Bristol, LLC. Served as technical lead and overall supervisor for report production. Worked closely with client to meet deadlines and satisfy federal, state, county, city, and local regulations. Role: Principal Investigator.

\*Large-scale, Base-wide Cultural Resources Inventory for Select Targets at Naval Air Weapons Station (NAWS) China Lake, Kern, Inyo, and San Bernardino Counties, California; Naval Air Warfare Center Weapons Division (NAWCWD). Served as technical lead and overall supervisor for report writing on this complicated and large project. Analyzed and made recommendations for avoiding sites recommended eligible to the National Register of Historic Places (NRHP) for various uses of targets. Role: Principal Investigator.

\*Cultural Resources Work Plan, Monitoring, Technical Report, and Training for UXO Remediation near Nellis Air Force Base (AFB), Clark County, Nevada; Bristol, LLC. Served as technical lead and overall supervisor for report production. Worked closely with client to meet deadlines and satisfy federal and state regulations. Role: Principal Investigator.

\*Fiber Optic Transmission Surveys (FOTS-II) at NAWS China Lake, Kern, Inyo, and San Bernardino Counties, California; NAWCWD. Served as technical lead and overall supervisor for report production. Role: Principal Investigator.

\*Archaeological Survey of the Bodie Hills, Inyo and Mono Counties, California; Bureau of Land Management (BLM) Bishop Field Office (BIFO). Managed a large-scale survey of BLM lands and evaluation of archaeological sites identified during the survey. Coordinated all work with the BLM archaeologist including permitting, project access, the timing of fieldwork, site visits, and submission of deliverables. Role: Principal Investigator.

\*Fiber Optic Transmission Surveys (FOTS) at NAWS China Lake, Kern, Inyo, and San Bernardino Counties, California; NAWCWD. Served as technical lead and overall supervisor for report production. Role: Principal Investigator.

\*Series Areas around Five Targets Survey and Inventory at NAWS China Lake Kern and Inyo Counties, California, 2015-2016. Served as technical lead and overall supervisor for the fieldwork and report production. This complicated project involved determining possible impacts to sites located outside of target areas. Role: Principal Investigator. Client: Naval Air Systems Command (NAVAIR).

\*Large, Linear Gate and Road Improvement Project with Complicated Historic Complexes in Kern County, California; NAWCWD. Served as technical lead and overall supervisor for this complicated historic-era survey, site evaluation, and management recommendation project. Role: Principal Investigator.

\*Series of Site Evaluations for Continued Target Use at NAWS China Lake, Kern County, California, 2015. Conducted a series of site evaluations on previously recorded sites identified within an existing target for continued use. Made NRHP eligibility recommendations and management recommendations for sites that were recommended eligible. Role: Principal Investigator. Client: NAVAIR.

\*Archaeological Studies for the Fiber Optic Communications Underwater System (FOCUS) Replacement, NAVAIR Sea Range, Point Mugu, California; NAVAIR. Prepared a survey and testing plan to support the replacement of submarine communication lines running from Naval Base Ventura County, Point Mugu to Santa Cruz and San Nicolas islands, located offshore of the California mainland. Coordinated with government personnel to ensure the project met the requirements of all reviewing agencies, including the California Coastal Commission, National Park Service, and affiliated Native American tribes. Role: Principal Investigator.

\*Sydney Mine Cultural Resources Inventory Project, Randsburg, California; TJ Jarowsky, Sydney Peak Mining Company. Served as technical lead and overall supervisor for a 40-acre archaeological survey near Randsburg, California. Role: Principal Investigator.

\*Gold Slayer Mine Cultural Resources Inventory Project, El Paso Hills, California; Andrew Jensen, Gold Slayer Mining Company. Managed an archaeological survey in El Paso Hills, California. Role: Principal Investigator.

\*Negative Report for an Additional Fiber Optic Line in at NAWS China Lake, San Bernardino County, California; NAVAIR. Conducted a survey which resulted in negative findings on the South Range of NAWS China Lake. Role: Principal Investigator.

\*Fiber Optic Data Recovery Project at NAWS China Lake, Inyo County, California; NAVAIR. Reviewed report before submission to the client. Role: Principal Investigator.

\*Target Infill Project in Inyo County, California at NAWS China Lake, 2014. Led project from inception, kick-off meeting, fieldwork, analysis, and report production. Client: NAVAIR. *Role: Principal Investigator.*

\*Emergent Request for Target Use, Inyo County, California, NAWS China Lake, 2014. Prepared a survey and testing plan to support the emergent and continued use of a target on NAWS, China Lake. Co-authored report and met emergent deadlines. *Role: Principal Investigator.* Client: NAWCWD.

\*Archaeological Survey of the Bodie Hills, Bureau of Land Management (BLM) Bishop Field Office (BIFO), Inyo and Mono counties, California, 2014. Managed a large-scale survey of BLM lands and evaluation of archaeological sites identified during the survey. Supervised preparation of more than 200 California Department of Parks and Recreation (DPR) site forms and draft and final reports that summarized the effort and provided recommendations for further treatment of both prehistoric and historic mining-related archaeological sites. Coordinated all work with the BLM archaeologist including permitting, project access, the timing of fieldwork, site visits, and submission of deliverables. *Role: Principal Investigator.* Client: BLM.

\*Fiber Optic Data Recovery Project at NAWS China Lake, Inyo County, California, 2014. Reviewed report before submission to the client. *Role: Principal Investigator.* Client: NAVAIR.

\*An Archaeological Survey of 3,193 Acres at NAWS China Lake, NAVAIR, NAWS China Lake, Inyo County, California, 2014. Reviewed report before submission to the client. *Role: Principal Investigator.* Client: United States Navy.

\*Target Expansion Cultural Resources Inventory, NAVAIR, NAWS China Lake, Inyo County, California, 2014. Reviewed archaeological survey report before submission to the client. *Role: Principal Investigator.* Client: United States Navy.

\*Proposed FY12 Fiber Maintenance Survey and Testing, NAVAIR, NAWS China Lake, Inyo County, California, 2014. Reviewed report before submission to the client. *Role: Principal Investigator.* Client: United States Navy.

\*Survey of Ewiaapaayp Tribal Reservation, PAIKI, San Diego County, California, 2013. Reviewed report before submission to the client. *Role: Principal Investigator.* Client: United States Navy.

\*Target Expansion Cultural Resources Inventory, NAVAIR, NAWS China Lake, Inyo County, California, 2013. Reviewed report before submission to the client. *Role: Principal Investigator.* Client: United States Navy.

\*Hycroft Data Recovery Phases I and II, Allied Nevada and Bureau of Land Management, Humboldt County, Nevada, 2012. Data recovery project, managed field crew, analysis, and recordation of archaeological sites. *Role: Field Director.*

\*Class III Inventory for the Hycroft 3 Project, Allied Nevada, Humboldt County, Nevada, 2012. Directed field crew during survey, analysis, and recordation of archaeological sites. *Role: Field Director.*

\*Class III Archaeological Inventory for the Quarry Mine Expansion Project, Newmont Mining Corporation, Eureka and Elko Counties, Nevada, 2012. Survey project, managed field crew, analysis and recordation of archaeological sites. *Role: Field Director.*

\*Class III Survey of the Fire Creek Archaeological District, Klondex Gold and Silver Nevada, Lander County, Nevada, 2012. Survey project, managed field crew, analysis and recordation of archaeological sites. *Role: Field Director.*

\*Class III Cultural Resources Inventory for the Yerington Land Exchange, Whittmore Law Firm, Lyon County, Nevada, 2011-2012. Managed field crew, analysis and recordation of archaeological sites. *Role: Field Director.*

\*Data Recovery for 34 Sites at McGuinness Hills, OrmatTechnologies, Inc., Lander County, Nevada, 2011. Managed an archaeological data recovery project, including direction of field crew, analysis, and recordation of archaeological sites. *Role: Field Director.*

\*Class III Inventory for Mining Plan of Operations Amendment #9, Coeur Rochester, Inc., Pershing County, Nevada, 2011. Survey project, managed and directed field crew, analysis, and recordation of archaeological sites. *Role: Field Director.*

\*Class III Inventory for the Wind Mountain Project, Bravada Gold Corporation, Washoe County, Nevada, 2011. Survey project, provided direction of field crew, analysis, and recordation of archaeological sites. *Role: Field Director.*

\***Class III Inventory for Hycroft Task Order 2, Allied Nevada Gold Corporation, Pershing County, Nevada, 2011.** Survey project, managed and directed field crew, analysis, and recordation of archaeological sites. *Role: Field Director.*

\***Class III Inventory of the Wildcat Target Area, Allied Nevada Gold Corporation, Pershing County, Nevada, 2011.** Managed and directed field crew, analysis, and recordation of archaeological sites. *Role: Field Director.*

\***Class III Inventory for New York Canyon, EMPSI, Pershing County, Nevada, 2011.** Survey project, provided direction of field crew, analysis, and recordation of archaeological sites. *Role: Field Director.*

\***Class III Inventory of the Hasbrouck/Three Hills Target Area, Allied Nevada Gold Corporation, Esmeralda County, Nevada, 2011.** Survey project, managed and directed field crew, analysis, and recordation of archaeological sites. *Role: Field Director.*

\***Cultural Resources Program Manager for Cultural Resources Surveys, Naval Air Weapons Station (NAWS) China Lake, Inyo County, California, 2010.** Managed on-call cultural resource studies on the military installation. Provided analysis of lithics, identification and analysis of collected artifacts, preparation of these artifacts for curation in the NAWS curation facility, preparation of debitage samples for obsidian hydration, and assistance in production of a synthesis for the resulting technical report. *Role: Principal Investigator, Program Manager and Client POC.*

\***Survey for Geothermal Investigations at Naval Air Station (NAS) Fallon, Naval Air Systems Command (NAVAIR), NAS Fallon, Nevada, 2010.** Surveyed areas surrounding potential geothermal testing locations throughout Dixie Valley, Nevada. *Role: Principal Investigator, Program Manager and Client POC.*

\***Monitoring of the Installation of Grounding Wire at the Downs Substation, Southern California Edison, Ridgecrest, Kern County, California, 2010.** Supervised cultural resources monitoring of ground wire installation at a Southern California Edison substation, which ran through a historic dump site. *Role: Principal Investigator, Program Manager and Client POC.* Client: Southern California Edison.

\***Final Mitigation Plan for Treatment/Remediation of Sites Adversely Affected by the Installation of Fiber Optic Cable, NAVAIR, Naval Air Weapons Station China Lake (NAWS), Inyo County, California, 2010.** Designed and implemented mitigation for several prehistoric sites alongside a pre-existing road in danger of disturbance from fiber-optic line installation throughout the Coso mountain range. Field work for this project included selection of unit placement, properly setting up collection units, excavation, and sifting through soil removed from the unit and documented collection of any cultural remnants discovered. Associated lab and office work included analysis of artifacts collected during the mitigation, preparation of these artifacts for curation, as well as aiding in production of a technical report to assess the sites that may be adversely affected. *Role: Principal Investigator, Program Manager.* Client: United States Navy.

\***Bodie Hills Cultural Resource Survey, Bureau of Land Management (BLM), Bodie Hills, Mono County, California, 2010.** Supervised a 4,500-acre survey in the Bodie Hills, California. Served as client POC and field director. Fieldwork included survey of designated areas, identification and recordation of sites, identification of natural obsidian flows, recordation of isolated diagnostic artifacts with GPS coordinates and collection of specific diagnostic artifacts. *Role: Principal Investigator, Program Manager.* Client: BLM.

\***Cultural Resources Survey at NAWS China Lake, NAVAIR, Inyo County, California, 2010.** Managed a 2,500-acre survey encompassing areas within the Coso mountain range. *Role: Principal Investigator, Program Manager.* Client: United States Navy.

\***Fiber Optic Cultural Resources Survey, NAVAIR, NAWS China Lake, Inyo County, California, 2009.** Completed fieldwork and co-authored and managed the production of a final technical report to describe cultural resources in the project area. *Role: Principal Investigator.* Client: United States Navy.

\***Environmental Assessment (EA) for the Removal of Depleted Uranium, NAVAIR, NAWS China Lake, Kern County, California, 2009.** Completed fieldwork; co-authored and managed the production of a technical report to describe cultural resources in the project area. *Role: Project Manager.* Client: United States Navy.

**Cultural Resources Inventory Sunrise Powerlink Project, San Diego and Imperial Counties, California; San Diego Gas & Electric Company (SDG&E).** Performed Class I and III survey of the proposed area of potential effect (APE) for a 118-mile-long power line stretching from Yuma, Arizona to coastal San Diego County. Assisted in preparing the deliverables for the client. *Role: Field Director.*

**\*Cultural Resources Survey for 11,500 Acres, Dona Ana and Otero Counties, New Mexico; Fort Bliss Military Reservation.** 11,500-acre survey project, directed field crew, analyzed and documented archaeological sites, and prepared portions of the resulting technical report. Role: Field Archaeologist. Client: Fort Bliss Military Reservation.

**\*Cultural Resources Specialist, McGregor 10,000-Acre Project, Dona Ana County, New Mexico; Fort Bliss Military Reservation.** 10,000-acre survey. Directed field crew, analyzed and documented archaeological sites, and produced technical report. Role: Field Archaeologist. Client: Fort Bliss Military Reservation.

## SELECTED TECHNICAL REPORTS

2016                   Box Canyon Cultural Resources Inventory Project, NAWS China Lake, Inyo County, California  
                          Plan of Action and Milestones (POA&M) Cultural Resources Inventory, NAWS China Lake, Inyo, Kern, and San Bernardino Counties, California  
                          Fiber Optic Transmission System (FOTS) Cultural Resources Inventory Survey, NAWS China Lake, Kern and San Bernardino Counties, California

2015                   Sydney Peak Mine Cultural Resources Inventory, Kern County, California  
                          Cole SAM Road Maintenance Cultural Inventory, NAWS China Lake, Inyo County, California  
                          Apron 4, Enlarge Aircraft Gate, Building 20242, Hangar 4, Cultural Resources Inventory Survey, Kern County, California  
                          North-40 Pinger Installation Negative Cultural Resources Inventory, NAWS China Lake, Inyo County, California  
                          Searles Valley Minerals Pipeline Replacement Cultural Resources Inventory, San Bernardino County, California  
                          Charlie SAM Target Expansion Cultural Resources Inventory, NAWS China Lake, Inyo County, California  
                          Leliter, B-4, SNORT Road Improvement, Cultural Resources Inventory, NAWS China Lake, Kern County, California

2010                   Drop Zone Cultural Resources Survey, NAWS, China Lake, Inyo County, California  
                          Air to Ground X-3 and Centerline Road Cultural Resources Survey, NAWS, China Lake, Inyo County, California  
                          Drop Zone Imagery Cultural Resources Survey, NAWS, China Lake, Inyo County, California  
                          SNORT Maintenance Cultural Resources Survey, NAWS, China Lake, Kern County, California

2009                   Environmental Assessment of the Removal of Depleted Uranium at Naval Air Weapons Station, China Lake, Kern County, California  
                          Red Eye West Target Range Cultural Resources Survey Final Report  
                          Red Eye North Cultural Resources Survey NAWS, China Lake, San Bernardino and Inyo Counties, California (Draft Report)  
                          A Cultural Resources Survey of the Proposed USXS Development Project Area Final Report

Phalanx Cultural Resources Survey NAWS, China Lake, California (Final Report)

Drop Zone Cultural Resources Survey, NAWS, China Lake, Inyo County, California Draft Report

X-3 North of Road Section 110 Cultural Resources Survey NAWS, China Lake, Inyo County California (Draft Negative Report)

Etcharren Valley Fiber Optic Cultural Resources Survey Final

K2 JCTD Cultural Resources Survey NAWS, China Lake, San Bernardino County, California Final Report

An Archaeological Survey of the Miclon P-10 Project Site, China Lake Naval Air Weapons Station, Kern County, California Draft Report.

SNORT Solar Archaeological Survey NAWS China Lake Final Report

Skytop Boondocks Archaeological Survey NAWS China Lake, San Bernardino County, California Report

Etcharren Valley Fiber Optic Cultural Resources Survey Report

JSF Facility Cultural Resources Survey Report

Red Eye Cultural Resources Survey Report

2008 Cultural Resources Inventory for the proposed Siller Ranch Development in Sutter County, California (2008)

Class III Inventory for the Proposed Horse Lake Invenergy Project in Bureau of Land Management Eagle Lake Field Office in Lassen County, California

Cultural Resources Inventory for The Bureau of Land Management California Desert District in Imperial, Riverside, and San Bernardino Counties, California

Cultural Resources Services for the Sunrise Senior Living Project

Archaeological Monitoring for the Nisenan Community Park Site

Cultural Resources Survey for Bureau of Indian Affairs Proposed Roads Improvement Project, Robinson Rancheria, Lake County, California

Cultural Resources Survey for the Levee Repair Project at 16 Locations in Glenn, Sacramento, Solano, Sutter, Yolo, and Yuba Counties, California

Cultural Resources Monitoring for the RetroLodge Project, City of Sacramento, Sacramento County, California

Cultural Resources Survey of the Central Sewer Trunk Rehabilitation Project, Sacramento County, California

Cultural Resources Survey for the Elverta Interchange Project, North Natomas Community, Sacramento County, California

Cultural Resources Survey for the Burcher Parcel Map Project, Wilton, Sacramento County, California

Cultural Resources Survey of the V. V. Park Private Residence Project, Cosumnes Community, Sacramento County, California

Cultural Resources Survey for Bureau of Indian Affairs Proposed Roads Improvement Project, La Jolla Indian Reservation, San Diego County, California

Cultural Resources Inventory for the Loftworks Project; Sacramento County, California

2007 Cultural Resources Inventory for the Proposed 60-Mile Fiber Optic Line from Yuma to Niland in Imperial county, California. Qwest Company, California.

Cultural Resources Inventory for the Proposed Construction of a 40-mile Fiber Optic line from Sacramento to Olivehurst in the Sacramento, Placer, Sutter, and Yuba Counties, California. Qwest Company, California.

Cultural Resources Survey for the Polhamus Land-Use Conversion Project, City of Bakersfield, Kern County, California. Cal Lowbed, Inc., Bakersfield, California.

Cultural Resources Survey for the SR 99 Manteca 6-Lane Widening, San Joaquin County, California. HDR, Folsom, California.

Cultural Resources Inventory for the Loftworks Project, Sacramento County, California. Sacramento, California.

Cultural Resources Survey for the Doering Tentative Parcel Map Project, City of Galt, Sacramento, County, California. County of Sacramento, California.

Cultural Resources Project Manager, Cultural Resources Survey for the Frame Tentative Parcel Map Project, Southeast Community, Sacramento, County, California. County of Sacramento, California.

2006 Survey of 11,500 acres, Fort Bliss Military Reservation Technical Report. Fort Bliss Military Reservation, El Paso, Texas.

Survey of 10,000 acres on McGregor Base Camp, Fort Bliss Military Reservation Technical Report. Fort Bliss Military Reservation, El Paso, Texas.

## **Education / Training**

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- M.A., Anthropology—Archaeology, University of New Mexico, 2006
- B.A., Anthropology—Archaeology, University of New Mexico, 2004
- A.A., Liberal Arts, Long Beach City College, 2002

## **Professional Memberships / Qualifications**

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- Society for American Archaeology
- Society for Historical Archaeology
- Society of Archaeological Sciences
- Register of Professional Archaeologists (No. 32790536)
- Meets the Secretary of the Interior Standards in Archeology, Prehistoric and Historic

## **PERMITS**

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- North Dakota Historical Society Cultural Resource Investigation Permit (NDCC 55-03-01), Archaeologist; ND
- U.S. Bureau of Land Management Cultural Resource Use Permit (C-61917), Crew Chief; CO
- U.S. Bureau of Land Management Archaeological Investigations Permit (445-WY-AR13; 325-WY-SR16), Field Director; WY
- U.S. Bureau of Land Management Archaeological Investigations Permit (103087), Field Director; MT, ND, SD
- U.S. Bureau of Land Management Cultural Resource Use Permit (14UT55126), Principal Investigator; UT
- U.S. Bureau of Land Management Cultural Resource Use Permit (CA-14-19), Field Director, Principal Investigator (pending); CA

## **Experience Summary**

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Mr. Millington is a cultural resource specialist, project manager, and GIS analyst in SWCA's Pasadena, California, office with 13 years of experience including a decade in cultural resource management. He has analyzed material assemblages and is familiar with research themes in Neolithic Europe, the North American Southwest, Great Plains, Rocky Mountains, Great Basin, and Southern Coast. In addition to his work on over 200 compliance-driven CRM projects, Mr. Millington has participated in several research initiatives, contributing his expertise in data analysis (statistical and geographical) and visual displays of information (including cartographic). He is versed in federal, state, and agency-specific cultural resource management laws, and is permitted as a field director by the Bureau of Land Management in Colorado, Wyoming, North Dakota, South Dakota, Utah, and California. He is proficient in identifying and recording prehistoric and historic sites, including the field evaluation for National Register of Historic Places (NRHP) status. His educational background and research interests center on the application of human behavioral ecology to archaeological questions. This was the basis for much of Mr. Millington's graduate work analyzing the material indicators of post-martial locality and inheritance rules in Europe's first farmers, referred to as the Linearbandkeramic and in his investigation of timber use in the construction of Chacoan Great Houses among the Ancestral Puebloans in Chaco Canyon, New Mexico. He is currently developing research themes for the archaeology of California oil production, and refining the lithic typology for Monterey-formation chert varieties commonly referred to as Temblor chert in descriptions of prehistoric sites in Central and Southern California.

Mr. Millington exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Principal Investigator. He has a master's degree in Anthropology, and has completed numerous projects including competence in theory, method, recordation, collection, handling, analysis, evaluation, and reporting; has performed the planning, equipping, staffing, organizing, and supervising of extensive archaeological projects. This includes the ability to complete project on time and under budget with research reports and other similar research documents. He has more than 3 years of California field experience, and has performed as the Principal Investigator (by BLM standards) on numerous projects (see below) totaling more than 3 years.

## **Work History**

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### **SWCA Environmental Consultants**

*Pasadena, California (December 2010–Present)*

Currently serves as Project Manager, GIS Analyst, and Art Director. Mr. Millington prepares proposals and cost estimates, directs field work, conducts background research, assesses NRHP eligibility, and supervises the collection and management of spatial data for numerous survey, testing, and excavation projects throughout Southern California. He frequently coordinates with state and federal resource managers, clients, and Native Americans as part of the CEQA and NEPA compliance process. He has authored over 30 technical reports. As an Art Director he has produced or supervised production of maps and figures for use in publications within a variety of disciplines or Anthropological subfields including osteology, Architectural History, Biology, and Paleontology.

### **SWCA Environmental Consultants**

*Denver, Colorado (June 2007–December 2010)*

Field Director and Technician: conducted field work and assisted in the preparation of technical reports for all phases of work for numerous State and Federal Agencies in Colorado, Utah, Wyoming, North Dakota, South Dakota, Montana, and Kansas. Project types included hydrocarbon exploration, extraction, and transmission, electrical transmission line construction, wind and solar farm construction, highways, and housing tracts.

### **Sapphos Environmental Inc.**

*Pasadena, California (January–May 2007)*

Field Technician: crew member during survey of Owen's Lake, CA.

### **Louis Berger Group, Inc.**

*East Orange, New Jersey (October–December 2006)*

Field Technician: crew member during Phase II shovel testing within a transmission corridor for the Vermont utility company.

### **SWCA Environmental Consultants**

*Albuquerque, New Mexico (May–August 2006)*

Field Technician: participated in multiple surveys; conducted construction monitoring for housing development east of Albuquerque, NM; excavated Mogollon pithouse settlement in Alamogordo, NM; excavated 2000 year-old elk and pronghorn processing site near Laramie, WY.

### **Office of Contract Archaeology**

*Albuquerque, New Mexico (June–August 2004)*

Field Technician: excavated Mogollon pithouse settlement in Alamogordo, NM.

**Maxwell Museum of Anthropology, Exhibits Department**

Albuquerque, New Mexico (January 2005–May 2006)

Graphic designer: produced all graphics used in museum exhibitions including text panels, posters, post cards, and gallery floor plans and elevations.

**Maxwell Museum of Anthropology, Photo Archives**

Albuquerque, New Mexico (August 2004–May 2006)

Digital archivist: scanned film and photographed objects for archiving, digital restoration, research, publication, and use in museum exhibitions.

**Chaco Culture National Historic Park, Tom Windes**

Albuquerque, New Mexico (November 2005–February 2006)

Research assistant: documented the location of relic tree stands surrounding Aztec and Salmon Ruins, NM, using field survey and aerial photographs; prepared figures used in publications and research.

**University of New Mexico, Dr. W.H. Wills**

Albuquerque, New Mexico (January 2003–February 2005)

Research assistant: drafted figures, performed archival research, and excavated at Pueblo Bonito, Chaco Canyon, NM, as part of Dr. Wills' Chaco Water Project.

**University of New Mexico, Dr. Beth Bagwell**

Albuquerque, New Mexico (Fall 2003)

Production and research assistant: data entry and figure illustration in support of Dr. Bagwell's PhD dissertation research on two cave dwellings in northern Mexico.

**University of New Mexico, Dr. Kim Hill**

Albuquerque, New Mexico (August 2002–May 2006)

Research assistant: cataloged and digitally archived Dr. Hill's photo and video collection from 25 years hunter-gatherer field work in South America.

**University of New Mexico, Dr. Joseph Powell**

Albuquerque, New Mexico (August 2002–November 2004)

Production assistant: assisted in editing and illustration of *The First Americans*, Cambridge University Press.

**Archaeological Field School, Dr. W.H. Wills and Dr. Patricia Crown**

University of New Mexico (June–July 2003)

Excavation: Canada de Cochiti, New Mexico (15 days)

Survey: El Malpais National Monument, New Mexico (20 days)

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**Selected Project Experience**

**Alameda Corridor East (ACE) San Gabriel Trench Cultural Resource Management Services**

Los Angeles County, California (September 2011 – Present)

Data recovery excavations in a significant Mission-era archaeological site. Conducted excavation, lead for total station mapping, GPS data collection, geospatial data management and analysis, and map production.

**Southern California Edison On-Call Pole Replacement**

*Los Angeles, Riverside, San Bernardino, Santa Barbara Counties, California (September 2011 – Present)*

SWCA provided cultural resources for several on-call pole replacement studies. Studies included record search, field survey, construction monitoring, GIS data management, and reporting. Mr. Millington has served as an Archaeologist, Project Manager, and GIS Specialist. He has coordinated archaeological field work, map production, and report writing on over 80 individual projects.

**Rattlesnake Rock (CA-SBR-73) Condition Assessment and Monitoring Report, Marine Corps Logistics Base, Barstow, Riverside County, California**

*Riverside County, California (April 2014 – Present)*

Survey and comprehensive documentation of prehistoric rock art site and its historical archaeological components, updated NRHP nomination form, synthesis of historical records, condition assessment, and recommendations for preservation and management.

**Integrated Cultural Resources Management Plan Update for NAVFAC SW, Marine Corps Logistics Base, Barstow, Riverside County, California**

*Riverside County, California (April 2014 – Present)*

Acted as Principal Investigator (BLM standards) and updated cultural resources management plan for the Marine Corps Logistics Base. Synthesized previous studies and records, and provided management recommendations.

**Edwards Airforce Base Context Study**

*Los Angeles, Riverside, San Bernardino, Santa Barbara Counties (February 21, 2011 – January 2014)*

Conducted survey of historic buildings and structures at the Edwards Air Force Base's (EAFB) Airforce Research Laboratory (AFRL) including photographic documentation and transcription of oral history from base staff. Prepared maps for technical report.

**LA Plaza Cultural Village**

*City of Los Angeles, Los Angeles County, California (March – June 2014)*

SWCA conducted cultural test excavation units associated with a historic cemetery as part development projects in downtown Los Angeles. Mr. Millington managed GIS data and prepared maps used in the technical report.

**Culver City Transfer Station Archaeological Assessment**

*Los Angeles County, California (March – June 2014)*

Conducted intensive pedestrian survey and historical research for a proposed water treatment plan.

**Digital 395 Round Valley ESA**

*Inyo County, California (March 2014)*

Acted as Principal Investigator (BLM standards) and conducted intensive pedestrian survey and construction monitoring near historic water conveyance sites and authored technical report in support of fiberoptic trench excavation.

**Lost Canyons Archaeological Survey**

*Ventura County, California (February – April 2014)*

Acted as Principal Investigator (BLM standards) and directed intensive survey, documented 12 archaeological sites, analyzed archaeological material, conducted background research, and authored technical report.

**BP Port of Richmond Archaeological Monitoring**

*Contra Costa County, California (September 2011 – Present)*

Authored technical report for documentation of a shell midden site in the San Francisco Bay.

**Cultural and Paleontological Resources Construction Monitoring Services for the Washington/National Project**

*Culver City, Los Angeles County, California (September 2011 – Present)*

Intensive pedestrian survey, documenting historical site, and construction monitoring.

**Valentine Solar Project Initial Study**

*San Bernardino County (September 2011 – Present)*

Field director for intensive pedestrian survey.

**Ute Mountain Ute Barker Arroyo Project**

*Montezuma County, Colorado (May 2013 – February 2014)*

Organized GIS data and drafted maps for archaeological sites on the Ute Mountain Ute Reservation.

**Anaconda Wire Site Recording and Construction Monitoring**

*Orange County, California (August 2013 – January 2014)*

Field Director and GIS manager for construction monitoring and documentation of a historical wire-making building.

**LADWP Ballona Creek Low Flow Treatment Facility Archaeological Survey**

*Los Angeles County, California (June – July 2013)*

Field director for intensive pedestrian survey and author of technical report.

**Kern County Solar Projects: Rosamond 1, Rosamond 2, Columbia, and Rio Grande**

*Kern County, California (May – December 2013)*

Field director for intensive pedestrian survey and co-author of technical report.

**UCI Facility Staff & Housing**

*Orange County, California (October 2011 – Present)*

Field director for intensive pedestrian survey, site recording and testing, and construction monitoring; co-author for three technical reports.

**Victor Phelan Solar Project**

*San Bernardino County, California (February – March 2011)*

Field director for intensive pedestrian survey, assisted in background research for historical setting.

**San Clemente Island Site Documentation**

*Los Angeles County, California (February 2013)*

Map production for archaeological sites on San Clemente Island.

**Baldwin Reid Adobe Grading Cultural Resources Monitoring**

*Los Angeles County, California (January – June 2013)*

Directed field work and produced maps documenting the late nineteenth century Baldwin-Reid adobe structure as part of landscape restoration.

**LADWP San Pedro Laza Park Cultural Resources Monitoring**

*San Pedro, Los Angeles County, California (August 2012 – March 2013)*

Construction monitoring and map production for park improvement project.

**California Solar Energy Zones (SEZs): Class II Cultural Resources Inventory of the Imperial East and Riverside East SEZs**

*Imperial and Riverside Counties, California (April 2012 – March 2013)*

Acted as Principal Investigator (BLM standards) and Field Director for a 6,100-acre Class II Cultural Resources Sample Inventory of selected Solar Energy Zones (SEZ) in California as part of the BLM's final Solar Programmatic Environmental Impact Statement. The sample survey was designed to provide data necessary to predict the density, distribution, and types of resources likely present in each of the SEZs. Mr. Millington supervised the recording of over 130 sites including prehistoric trails and remains from the WWII Desert Training Center. He conducted original archival research for historic roads and assisted in the assessment of site distribution analysis in the preparation of the technical report.

**LA Plaza Analysis, Reburial, Boundary Testing, and**

*City of Los Angeles, Los Angeles County, California (April 2012 – December 2012)*

SWCA conducted cultural test excavation units associated with a historic cemetery as part development projects in downtown Los Angeles. Mr. Millington managed GIS data and prepared maps used in the technical report.

**Blakstone Phase II Monitoring**

*Orange County, California (March 2012)*

SWCA provided cultural resources for several on-call pole replacement studies.

**Desert Tortoise Population Research**

*California, Nevada, and Arizona (September 2011 – March 2013)*

Computer-simulation of human impacts to desert tortoise populations using agent-based modeling program HexSim® incorporating a wide range of spatial data and life history variables.

**Anzar Tap Valve Automation**

*San Benito County, California (2011)*

GIS analyst performing data management, providing GPS support, and preparing report figures on a cultural resources pedestrian survey for access roads and construction of valve automation site on a natural gas line.

**Halfmoon Bay Tap Valve Automation**

*San Mateo County, California (2011)*

GIS analyst performing data management, providing GPS support, and preparing report figures on a cultural resources pedestrian survey for access roads and construction of valve automation site on a natural gas line.

**Line 131 Oakley Cultural Resources and Constraints Analysis**

*Contra Costa County (2011)*

GIS analyst performing data management, providing GPS support, and preparing report figures on a cultural resources pedestrian survey for construction of natural gas line.

**Olcese 1 Wells H98 and H99**

*Kern County, California (2011)*

Field director, report author and GIS analyst for pedestrian survey of proposed oil well pads.

**Round Mountain Section 18 Proposed Well Pads**

*Kern County, California (2011)*

Report author and GIS analyst for pedestrian survey of proposed oil well pads.

**Antelope Valley 3D Seismic**

*Kern County, California (2011)*

Field director during pedestrian survey and site recording for geophysical exploration authored report, managed and analyzed all project spatial data, and developed post-project impact analysis method using spataial data anlyzed with GIS software.

**Apex 3D Seismic**

*Kern County, California (2011)*

Field director during pedestrian survey and site recording including GIS data management for geophysical exploration. Authored report and analyzed all project spatial data. Developed post-project impact analysis method using spataial data anlyzed with GIS software.

**Chevron Cymric 3D Seismic**

*Kern County, California (2010)*

Field director during pedestrian survey and site recording for geophysical exploration.

**The Oregon-Mormon-California-Pony Express Trails through Camp Guernsey, Wyoming: Historical Information Synthesis and Management Plan**

*Camp Guernsey, Wyoming (2010)*

Designed interpretive brochure for National Guard and general public education.

**South Laramie Basin 3D Seismic**

*Carbon County, Wyoming (2010)*

Field director during pedestrian survey and site recording for geophysical exploration.

**Chokecherry and Sierra Madre Wind Farms**

*Carbon County, Wyoming (2010)*

Field director during pedestrian survey for culturally sensitive rock features and cultural resource inventory for access routes.

**Class III Cultural Resources Inventory of the Jonah 3-D Geophysical Exploration Project**

*Sublette County, Wyoming (2010)*

Field director and GIS specialist during pedestrian survey and site recording for geophysical exploration.

**Mitigation for 48SW1157**

*Sweetwater County, Wyoming (2010)*

Excavation of a multi-component open camp.

**TO 14 MV 22 Camp Pendleton**

*San Diego County, California (2010)*

Site evaluation including shovel testing and test unit excavation.

**MOCO 3D Seismic Project**

Kern County, California (2009 – 2010)

Assistant field director during pedestrian survey and site recording for geophysical exploration.

**Rooks County Wind Project**

Rooks County, Kansas (2009)

Crew chief for pedestrian survey of tower locations and access routes.

**USACE Lake Oahe Survey**

Walworth County, South Dakota; Burleigh, Emmons, and Morton Counties, North Dakota (2009)

Crew chief during pedestrian survey and site recording of federal lands.

**Staunton State Park Post-Burn Survey**

Park and Jefferson Counties, Colorado (2009)

Crew chief during block pedestrian survey.

**Staunton State Park 80-Acre Block Survey**

Park and Jefferson Counties, Colorado (2009)

Crew chief during block pedestrian survey.

**Goldenwest Wind Energy Project**

El Paso County, Colorado (2009)

Crew member during linear pedestrian survey and site recording for wind towers, access routes, and staging areas.

**Clark County Cultural Sites Mitigation**

Clark County, Nevada (2009)

Designed multi-page information pamphlet describing a historical gunnery range intended for the BLM website and printing for public distribution. The pamphlet describes the historical background and current mitigation efforts for the historic property.

**Castilla Hot Springs Mitigation**

Utah County, Utah (2009)

Designed three-page foldout information pamphlet describing a historical spa and hot spring for publication on the Central Utah Water Conservancy District website and printing for public distribution. The pamphlet describes the historical background and current mitigation efforts for the historic property.

**Cimarex Rand's Butte**

Sublette County, Wyoming (2008)

Field Director - Supervised pedestrian survey, site recording, testing, and mitigation. Role: Cultural Resource Specialist. Client: Cimarex Energy.

**Normally Pressured Lance Survey**

Sublette County, Wyoming (2008)

Supervised pedestrian survey, site recording, testing, and mitigation.

**Cedar Ridge Sensitivity Model**

Natrona County, Wyoming (2008)

Conducted pedestrian survey and site recording.

**JTL 124 Pipeline**

*Sweetwater County, Wyoming (2008)*

Conducted pedestrian survey, mitigation, and report authorship.

**Jonah to Paradise Transmission Line**

*Sublette County, Wyoming (2008)*

Supervised pedestrian survey, site recording, testing, and mitigation.

**Piceance Creek 3D Geophysical**

*Rio Blanco, Colorado (2008)*

Supervised pedestrian survey of seismic source and receiver lines, site recording, and report authorship.

**Williams Ryan Gulch Cultural Resource Inventory**

*Rio Blanco, Colorado (2008)*

Conducted pedestrian survey and site recording. *Role: Cultural Resource Specialist. Client: Williams Oil and Propane.*

**Gunnison Energy Corporation Consultant Services**

*Gunnison County, Colorado (2008)*

Conducted pedestrian survey of pipeline reroute.

**Baird Peak 2D Geophysical Exploration**

*Hot Springs County, Wyoming (2008)*

Conducted pedestrian survey of seismic source points and report authorship.

**Meeteetsee 3D Geophysical**

*Park County, Wyoming (2008)*

Conducted pedestrian survey of seismic source and receiver points, site recording, mitigation, and report authorship.

**Pioneer Washboard 3D Seismic**

*Juab County, Utah (2008)*

Supervised pedestrian survey of seismic source and receiver points, site recording, and mitigation.

**Milford Wind Corridor Project**

*Beaver and Millard County, Utah (2008)*

Conducted pedestrian survey.

**U.S. Army Corps of Engineers Missouri River Black Hills Survey**

*McKenzie County, North Dakota (2007)*

Conducted pedestrian survey, site recording, and testing in order to assess NRHP eligibility.

**Dakota, Minnesota and Eastern Railroad Expansion Project-Powder River Expansion**

*Minnehaha County, South Dakota (2007)*

Tested previously recorded sites in order to assess the NRHP eligibility.

**Chimney Butte to Big Piney Transmission**

*Sweetwater County, Wyoming (2007)*

Performed pedestrian survey, site recording, testing in order to assess the NRHP eligibility, and report authorship.

**Quincy Fire JSQ**

*Tooele County, Utah (2007)*  
Performed pedestrian survey.

**Four Reservoirs Survey Project**

*Hill, Liberty, and Toole Counties, Montana (2007)*  
Conducted pedestrian survey, site recording, and testing in order to assess the NRHP eligibility.

**Pinedale BLM Environmental Assessment**

*Sublette County, Wyoming (2007)*  
Conducted pedestrian survey and site recording in order to assess the NRHP eligibility.

**Friend Ranch**

*Chaffee County, Colorado (2007)*  
Conducted pedestrian survey and site recording.

**Owens Lake Survey**

*Inyo County, California (2007)*  
Phase I pedestrian survey and site recording.

**Hofman Summit Wind Energy**

*Mojave, California (2007)*  
Phase I pedestrian survey and site recording.

**Entrega Pipeline Cultural Resources Program and Data Recovery**

*Albany, Carbon, Laramie, and Sweetwater Counties, Wyoming (2006)*  
Data recovery at the Joe Miller Site (48AB18), a Late Archaic elk processing site. Served as lead author on the chapter analyzing rock-filled hearths and radiocarbon dates. Drafted maps and assisted in the preparation of the report.

**VELCO 115-kV**

*South Burlington, Vermont (2006)*  
Phase I shovel testing.

**Quail Ranch Regional Retention Facility Data Recovery**

*Albuquerque, Bernalillo County, New Mexico (2006)*  
Excavated, monitored, and tested prehistoric sites.

**Alamogordo Water Line Cultural Resources Services**

*Alamogordo, Otero County, New Mexico (2005)*  
Phase III data recovery of a Mogollon pithouse settlement.

**AFCOP, LA 119530**

*Alamogordo, New Mexico (2004)*  
Phase III data recovery of a Mogollon pithouse settlement.

### **Unpublished Technical Reports**

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(Not listed) Lead or solo author on 18 individual NEPA and CEQA compliance reports for Southern California Edison in Inyo, Kern, Los Angeles, Mono, Orange, Riverside, Santa Barbara, San Bernardino, and Ventura Counties. Submitted to BLM, NPS, USFS, CPUC, China Lake Naval Air Weapons Station.

Millington, Chris and Sara Dietler. *Archaeological Survey Report for the Culver City Municipal Facility Bacteria Reduction, Rainwater Re-Use, Infiltration and Diversion Project, Culver City, Los Angeles County, California*. Unpublished technical report submitted to City of Culver City, Environmental Programs and Operations, Public Works Department. On-file with SWCA Environmental Consultants, Pasadena, California.

Millington, Chris. *Archaeological Survey Report for the Lost Canyons Survey, Simi Valley, Ventura County, California*. Unpublished technical report submitted to Lost Canyons, LLC. On-file with SWCA Environmental Consultants, Pasadena, California.

Howell-Ardila, Debi, Steven Treffers, John Dietler, and Chris Millington. *Cultural Resources Technical Report, La Plaza Cultura Village Project, City and County of Los Angeles, California*. Unpublished technical report submitted to ELP Advisors. On-file with SWCA Environmental Consultants, Pasadena, California.

Millington, Chris, Steven Treffers, and John Dietler. *Richmond Pipe Collar Installation Archaeological Monitoring Report, Richmond, Contra County, California*. Unpublished technical report submitted to Binderson, L.P. On-file with SWCA Environmental Consultants, Pasadena, California.

Denniston, Elizabeth, Chris Millington, and Benjamin Vargas. *Archaeological Survey and Site Evaluation of CA-ORA-1731 in Support of the UCI University Hills 10-2, -3, and -4 Planning Areas, City of Irvine, Orange County, California*. Unpublished technical report submitted to Irvine Campus Housing Authority. On-file with SWCA Environmental Consultants, Pasadena, California.

Millington, Chris. *Archaeological Survey Report for the Ballona Creek Low Flow Treatment Facility Project – Clean Beaches Initiative Grant (WO SZS1 1521), Culver City, Los Angeles County, California*. Unpublished technical report submitted to Binderson, L.P. On-file with SWCA Environmental Consultants, Pasadena, California.

Millington, Chris. *Cultural and Paleontological Resources Monitoring and Discovery Report for the Rio Grande Solar Project, Kern County, California*. Unpublished technical report submitted to Binderson, L.P. On-file with SWCA Environmental Consultants, Pasadena, California.

Millington, Chris. *Cultural Resources Inventory for the Round Mountain Proposed Well Section 17 – Olcese 1 Wells H98 and H99 Project, Kern County, California*. Unpublished technical report submitted to Quad Knopf, Inc. on behalf of Macpherson Oil Company.

Millington, Chris. *Cultural Resources Inventory for the Round Mountain Section 18 Proposed Well Pads*. Unpublished technical report submitted to Quad Knopf, Inc. on behalf of Macpherson Oil Company.

Hoffman, Laura, Chris Millington, and John Dietler. *Cultural Resources Inventory for the Antelope Valley 3D Seismic Project*. Unpublished technical report submitted to GeoKinetics, Inc.

Millington, Chris, Laura Hoffman and John Dietler. *Cultural Resources Inventory for the Proposed Aera Energy Apex 3D Seismic Project*. Unpublished technical report submitted to Robert A. Booher Consultants.

Hoffman, Laura, Chris Millington, Clarus Backes, and John Dietler. *Cultural Resource Inventory for the Proposed Chevron Cymric 3D Seismic Project*. Unpublished technical report submitted to GeoKinetics, Inc.

Burnett, Paul, John Kennedy, Alex Wesson, Scott Phillips, Chris Millington, Michael Retter, Karen Reed, and Scott Slessman. 2010. *Class III Cultural Resources Inventory of the Jonah 3-D Geophysical Exploration Project, Sublette County, Wyoming*. Unpublished technical report submitted to Global Geophysical Services, Inc.

Millington, Chris, Clarus Backes, Laura Hoffman, John Dietler, and Scott Phillips. 2010. *Class III Cultural Resource Inventory of the MOCO 3-D Seismic Project Area for PGS Onshore, Inc., Kern and San Luis Obispo Counties, California*. Unpublished technical report submitted to PGS Onshore, Inc.

Burnett, Paul, John Kennedy, Chris Millington, Charles Bollong, Caryn Berg, Vanessa Zietz, Jason Burkard, and Michael Cregger. 2009. *Archaeological Data Recovery for the Rockies Express/Entrega Pipeline at 48CR1229 and 48CR648, Carbon County, Wyoming*. Unpublished technical report submitted to BLM Kemmerer Field Office.

Kennedy, John, Scott Phillips, and Chris Millington. 2008. *Class III Cultural Resources Inventory of the JTL 124 Pipeline Project for Questar Pipeline Company, Sweetwater County, Wyoming*. Unpublished technical report submitted to BLM Kemmerer Field Office.

Phillips, Scott and Chris Millington. 2008. *Cultural Resource Review of a Proposed Reroute Alignment and of Avoidance Measures at Sites Requiring Additional Protection during Construction of the Chimney Butte 230-kV Transmission Line in Sublette County, Wyoming*. Unpublished technical report submitted to Pinedale Field Office.

Reed, Karen, Chris Millington, Michelle Delmas, Matt Bandy, Ryan Byerly, John Kennedy, Josh Tatman, Beau DeBoer, Todd Kohler, Rebecca Schwendler, George Connell, R. Ashley Fife, Lauren Frink, et al. 2008. *Class III Cultural Resource Investigation of the Piceance Creek 3-D Geophysical Exploration Project, Rio Blanco, Colorado*. Unpublished technical report submitted to BLM White River Field Office.

Kennedy, John, Paul Burnett, Chris Millington, and Scott Phillips. 2008. *Class III Cultural Resources Inventory of the Baird Peak 2-D Geophysical Exploration Area for Saga Petroleum, LLCTesla Exploration, Hot Springs County, Wyoming*. Unpublished technical report submitted to BLM Worland Field Office.

Kennedy, John, Paul Burnett, Chris Millington, and Scott C. Phillips. 2008. *Class III Cultural Resources Inventory of the Meeteetse 3-D Geophysical Exploration Area for Saga Petroleum, LLC, Park County, Wyoming*. Unpublished technical report submitted to BLM Cody and Worland Field Offices.

Burnett, Paul, Charles Bollong, John Kennedy, Chris Millington, William Eckerle, Nancy Sikes, Andrea Brunelle, Elliot Lips, Thomas McKinley, Karen Reed, Ashley Fife, Amy Schlencker, Caryn Berg, et al. 2008. *Archaeological Data Recovery for the Rockies Express/Entrega Pipeline at the Joe Miller Site (48AB18), Albany County, Wyoming*. Unpublished technical report submitted to BLM Rawlins Field Office.

Burnett, P. J. Kennedy, C. Millington, C. Bollong, C. Berg, V. Zietz, J. Burkard, and M. Cregger. 2008. *Archaeological Data Recovery for the Rockies Express/Entrega Pipeline Project at 48CR1229 and 48CR648, Carbon County, Wyoming*. Unpublished technical report submitted to BLM Rawlins Field Office.

**CHRISTOPHER MILLINGTON, M.A.**  
Page 13

Baer, Sarah, Karen Reed, Eric Gilmore, and Chris Millington. 2007. *Class III Cultural Resource Inventory of the Overland Pass Pipeline for Overland Pass Pipeline Company, LLC, Volume 3: BLM Rawlins Field Office, Carbon, Albany, and Laramie Counties, Wyoming, Addendum Report 3-Proposed Station Yards.*

Baer, Sarah, Karen Reed, Chris Millington, and Eric Gilmore. 2007. *Class III Cultural Resource Inventory of the Overland Pass Pipeline for Overland Pass Pipeline Company, LLC, Volume 1: BLM Kemmerer Field Office, Lincoln and Sweetwater Counties, Wyoming, Addendum Report 2-Pipeline Route Change at MO 0.0 to 0.2.*

# MATTHEW STEINKAMP, M.S., RPA, GIT, GEOARCHAEOLOGIST / GEOMORPHOLOGIST / PROJECT MANAGER

Matt Steinkamp is a multi-disciplinary archaeologist, with 32 years of in-depth work experience as a geoarchaeologist, geologist, and paleontologist. Mr. Steinkamp serves as a geoarchaeologist, project manager and field director for SWCA. He has experience in project management, all phases of fieldwork, artifact analysis, underwater archaeology, and geology and geomorphology. Mr. Steinkamp has managed numerous projects for compliance with the National Historic Preservation Act (NHPA), the National Environmental Protection Act (NEPA) and California Environmental Quality Act (CEQA). His 10-plus years of experience in California and the Great Basin provide him with an intimate understanding of California and region-specific cultural resources laws and practices. For 10 years he worked in California on cultural resources management projects throughout the state. In 2014, he presented a research paper at the Great Basin Archaeology Conference drawing on research performed in California on paleoseismic effects on archaeological sites. Mr. Steinkamp regularly coordinates project work with local Tribes and agencies.

Mr. Steinkamp exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Principal Investigator. He has a master's degree in Geology, and has completed numerous projects including competence in theory, method, recordation, collection, handling, analysis, evaluation, and reporting, including planning, equipping, staffing, organizing, and supervising extensive archaeological projects. This includes

the ability to complete projects on time and under budget with research reports, his master's thesis, and other similar research documents. He has completed more than 15 years of Oregon field, more than 6 years of Washington field, and more than 10 years of California field experience. Mr. Steinkamp has been performing as a Principal Investigator for more than 6 years in California.

## YEARS OF EXPERIENCE

32

## EXPERTISE

California and Great Basin region pre-contact and historic archaeology

Cultural resources survey design, testing, data recovery, monitoring, field methods

Geomorphological and geological analysis, core logging

Stratigraphy and sedimentology

Geomorphological and geological analysis

Lithic analysis and raw material analysis

Underwater archaeology

## EDUCATION

M.S., Geology; Oregon State University; 2006

Certificate in Archaeological Collections Management and Curation; University of Arizona; 1996

B.A., Anthropology, minor: Geology; University of Cincinnati; 1986

## REGISTRATIONS / CERTIFICATIONS

Registered Professional Archaeologist (RPA)

Qualified Archaeologist, Secretary of Interior Standards and Guidelines for Archaeology

## SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

**Blythe Solar Power Project (BSPP) Cultural and Paleo Pre-Construction Compliance Monitoring; Riverside County, California; AECOM, Inc./Solar Trust of America.** Role: Principal Investigator / Geoarchaeologist, Cultural Resources Monitor. Mr. Steinkamp conducted cultural and paleontological monitoring of geotechnical exploration borings for a proposed solar facility. Length: 2 Months.

**\*Phase II Evaluative Testing of Village Site CA-CAL-116, for the Mountain Ranch Road Turnout Project; Calaveras County, California; California Department of Transportation (CALTRANS) District 10.** Role: Principal Investigator / Geoarchaeologist. Mr. Steinkamp conducted stratigraphical and sedimentological assessment of excavations at pre-contact village site within proposed road expansion project, trained Tribal members, and completed laboratory analysis and a technical report (Length: 2 Months).

**\*Owens Lake Phase 7, 7a, and 8 Data Recovery Mitigation, Survey, Testing, and Monitoring of Prehistoric and Historic Sites; Inyo County, California; Los Angeles Department of Water and Power (LADWP).** Role: Principal Investigator / Geoarchaeologist. For this Environmental Protection Agency (EPA) Superfund Site and large dust mitigation project on Owens Lake dry lake bed, Mr. Steinkamp directed field surveys, testing, monitoring and data recovery of pre-contact village and camp sites and historic sites. He also conducted geoarchaeological analysis and technical writing and geoarchaeological monitoring of construction activities for dust mitigation and conducted Tribal consultation with Lone Pine Paiute Tribal members and elders and was technical expert for LADWP Cultural Team and trained staff and presented at meetings. Length 5 Years, 2 Months.

Qualified Archaeologist, State of Oregon  
Geologist in Training (GIT)

#### TRAINING

HAZWOPER 40-Hour Training  
Certificate (2009)

HAZWOPER 8-Hour Refresher  
Certificate (2010-2017)

NHPA Section 106 Compliance  
Advanced Certification (2008)

#### PERMITS

Principal Investigator – Archaeology:  
Permit for Paleontological  
Investigations, all BLM lands in  
California. U.S. Dept. of the Interior  
#CA-12-02P (2012–2015).

Principal Investigator-Paleontology: 3-  
Year Scientific Paleontological Permit  
for Paleontological Investigations, all  
BLM lands in California. U.S. Dept. of  
the Interior #CA-15-05P (2015-2018)

**\*Chevron's Guadalupe Restoration Project, Guadalupe, California.** Role: Principal Investigator / Geoarchaeologist. Mr. Steinkamp directed a geoarchaeological assessment of a coastal dune systems planned for restoration activities. He performed geoarchaeological monitoring of geoprobe explorations, laboratory analysis, and training and consultation with Chumash Tribal members. He also prepared a technical reports and recommendations. Length: 3 Years

**\*Extended Phase I Testing at CA-SLO-845, Proposed Air Park Drive at Oceano Lagoon Bridge Replacement Project, Oceano, San Luis Obispo County, California; City of Oceano.** Role: Principal Investigator / Geoarchaeologist. Mr. Steinkamp directed extended Phase I testing to determine impact of bridge replacement project on site CA-SLO-845. He conducted limited testing and geoarchaeological assessment of sediments and soils for vertical and horizontal integrity, completed a technical report with recommendations, and conducted Tribal consultation and training with Chumash Tribal members. Length: 1 month

**\*Extended Phase I and Evaluative Testing at Venoco Tank Farm, Santa Barbara County, California; Venoco Oil Inc.** Role: Principal Investigator / Geoarchaeologist . Mr. Steinkamp directed archaeological Phase I and Phase II testing and site evaluation for the Ellwood Marine Terminal Decommissioning Project. He conducted subsurface evaluative testing and geoarchaeological analysis of previously recorded pre-contact sites within the proposed decommissioned tank farm complex, and Tribal consultation. Length: 1 month

**\*Mid-Coast Corridor Paleontological and Archaeological Survey, San Diego, California; The San Diego Association of Governments (SANDAG).** Role: Geoarchaeologist, Lead Paleontologist. For this expansion project of the Mid-Coast Trolley and Blue Line Trolley service from Santa Fe Depot in Downtown San Diego to the University City, Mr. Steinkamp conducted paleontological and archaeological survey along the proposed trolley line expansion, and completed sections of technical report. Length: 2 months

**\*Geoarchaeological Geoprobe Testing at Presidio National Historic Landmark District, San Francisco, California; The Presidio.** Role: Geoarchaeologist. Mr. Steinkamp contributed to geoarchaeological exploration and deep testing to determine the presence or absence of buried archaeological resources to be impacted by the proposed highway expansion project. He conducted gearchaelogical monitoring of exploration borings and core logging of sample cores. Length: 2 months

**\*Archaeological – Geoarchaeological Testing Program to Complete Identification of Historic Properties Review for the BART Oakland Airport; Oakland, California; BART.** Role: Principal Investigator / Geoarchaeologist. Mr. Steinkamp directed a subsurface geoarchaeological exploration to determine the presence or absence of buried coastal shell middens. He conducted geoarchaeological monitoring and core logging of geotechnical borings, and completed sections of the technical report. Length: 1 month

**Harper Lake 250-MW Solar Permitting Project; San Bernardino County, California; Confidential Client.** Role: Principal Investigator / Geoarchaeologist. Mr. Steinkamp directed a cultural resources assessment for this planned solar project. He *created a geoarchaeological testing plan, performed field testing, and authored the technical report.* Length: 1 month

**Naval Air Facility, Twentynine Palms; San Bernardino County, California; NAVFAC Southwest.** Role: Principal Investigator / Geoarchaeologist. SWCA provided expert cultural resource management services in compliance with Sections 106 and 110 of the NHPA within portions of four training areas at the Marine Corps Air Ground Combat Center Twentynine Palms. SWCA conducted a Phase I archaeological identification survey of a 1,575-acre area where live-fire training exercises were planned and Phase II archaeological site evaluation for 10 archaeological sites that were in danger of being adversely affected by military operations. Mr. Steinkamp conducted geoarchaeological analysis of excavations and contributed to site evaluations and recommendations. Length: 2 months

**Elliot State Forest Cultural Resources Inventory, Coos and Douglas counties, Oregon.** Role: *Cultural Resources Specialist/Geoarchaeologist*

Imperial Valley Department of State Lands Cultural Resources Inventory, Imperial County California. *Role: Cultural Resources Specialist/Geoarchaeologist*

Graves Reservoir Replacement Project, Pasadena CA. *Role: Cultural Resources Specialist/Geoarchaeologist*

Cultural Resources Assessment Program, East Garrison Bulk Fuel Storage Facility at Camp Roberts, Monterey County, California *Role: Cultural Resources Specialist/Geoarchaeologist*.

Confidential Contact PM-Solar Millennium Project- Ridgecrest Site; Riverside County, CA. Client: Confidential. *Role: Cultural Resources Specialist/Geoarchaeologist*

Confidential Contact PM-Solar Millennium Project- Blythe Site; Riverside County, CA. Client: Confidential. *Role: Cultural Resources Specialist/Geoarchaeologist*

Confidential Contact PM-Solar Millennium Project- Palen Site; Riverside County, CA. Client: Confidential. *Role: Cultural Resources Specialist/Geoarchaeologist*

Downtown Portland Willamette River Sediment Characterization Project; Multnomah County, OR. Client: Hart Crowser. *Role: Cultural Resources Specialist/Geoarchaeologist*

Wah Chang Wastewater Pipeline Survey and Testing Project; Linn County, OR. Client: Wah Chang/City of Albany. *Role: Cultural Resources Specialist/Geoarchaeologist*

Cultural Inventory for the Port of Tillamook Bay; Tillamook County, OR. Client: Oregon Economic & Community. *Role: Cultural Resources Specialist/Geoarchaeologist*

Cultural Resource Inventory for Hidden Canyon Destination; Crook County, OR. Client: RMG Development, Inc. *Role: Cultural Resources Specialist/Geoarchaeologist*

Dawson Creek Pump Station and Force main; Washington County, OR. Client: Carollo Engineers. *Role: Cultural Resources Specialist/Geoarchaeologist*

Junction City Site; Junction City, Lane County, OR. Client: Oregon Department of Corrections. *Role: Cultural Resources Specialist/Geoarchaeologist*

Downtown Reach Sediment Core Sample Logging Support; Multnomah County, OR. Client: GSI Water Solutions, Inc. *Role: Cultural Resources Specialist/Geoarchaeologist*

Aggregate Pit Wetland Services; Jackson County, OR. Client: Hi Banks Rock Products, Inc. *Role: Cultural Resources Specialist/Geoarchaeologist*

Mormon Basin Placer Gold Mine Environmental Assessment; Baker County, OR. Client: Assessment Associates, Inc. *Role: Cultural Resources Specialist/Geoarchaeologist*

Palomar Gas Transmission Project; Geoarchaeological Deep Testing along proposed pipeline route, multiple counties, OR. Client: Natural Resource Group. *Role: Cultural Resources Specialist/Geoarchaeologist*

Partially Confidential-Lower Snake River Wind Energy Project; Columbia County, WA. Client: Confidential. *Role: Cultural Resources Specialist/Geoarchaeologist*

Plummer Sub-Agency Site Development; Benewah County, ID. Client: Coeur d' Alene Tribal Housing Authority. *Role: Cultural Resources Specialist/Geoarchaeologist*

Terminal 3 Expansion; Morrow County, OR. Client: Port of Morrow. *Role: Geomorphologist*

Comprehensive Conservation Plan Support for San Juan Islands National Wildlife Refuge and Protection Island National Wildlife Refuge; King County, WA. Client: U.S. Fish and Wildlife Service. *Role: Cultural Resources Specialist/Geoarchaeologist*

Southwest Oregon Regional Airport Mitigation Site Drainage; Coos County, OR. Client: WH Pacific. *Role: Cultural Resources Specialist/Geoarchaeologist*

Stockton Generation; San Joaquin County, CA. Client: Power Engineers. *Role: Cultural Resources Specialist/Geoarchaeologist*

Teufel Nursery Willamette Ridge Wetland and Buffer Mitigation; Washington County, OR. Client: Polygon Northwest Company. *Role: Cultural Resources Specialist/Geoarchaeologist*

Willow Creek Underwater Archaeology Survey; Gilliam County, OR. Client: Willamette Cultural Resources Associates, Ltd. *Role: Cultural Resources Specialist/Underwater Archaeologist*

Wind River Boat Launch Facilities Project; Skamania County, WA. Client: Skamania County Department of Public Works. *Role: Cultural Resources Specialist/Geoarchaeologist*

Waterfront Property Remedial Action; Multnomah County, OR. Client: Zidell Companies. *Role: Cultural Resources Specialist/Geoarchaeologist*

Cultural Resource Inventory of the Proposed Palomar Gas Transmission Project, U.S. Forest Service, Mt. Hood National Forest, Barlow, Clackamas River Ranger, Hood River and Zig Zag Districts; Oregon. Client: Natural Resource Group, LLC on Behalf of Palomar Gas Transmission LLC. *Role: Cultural Resources Specialist/Geoarchaeologist*

Cultural Resource Inventory for the San Juan and Protection Islands CCP; San Juan County, Washington. Client: US Fish and Wildlife Service. *Role: Cultural Resources Specialist/Geoarchaeologist*

Geologic Hazard Report and Geotechnical Site Evaluation for Proposed Sands Subdivision; Cannon Beach, Oregon (2006): Geologic hazard analysis of site for proposed residential development. Included fault analysis, backhoe testing, soil sampling, landslide and debris flow analysis, hydrogeology and stratigraphy and evaluation of driving forces (gravity, dip of rock formations, and projected load of development), and resisting forces (sedimentary deposits on marine cut terrace) being eroded by ocean waves. *Role: Staff Geologist*

Geotechnical Subsurface Testing and Engineering Evaluation for Proposed Multi-Lot Subdivision; Lake Oswego, Oregon (2006): Deep Testing, soil sampling, and ground water infiltration analysis of soils. *Role: Staff Geologist*

## SELECTED TECHNICAL REPORTS

2015. Archaeological XP1 and Phase II Testing and Evaluation at Ellwood Marine Terminal Decommissioning Project, Santa Barbara County, California.

2014. Tales From the Trenches: Paleoseismic Effects of the 1872 Lone Pine California Earthquake As Revealed in Archaeological Test Excavations, Trenches and Aerial Imagery. Presented at the 2014 Great Basin Anthropological Conference, Boise Idaho.

2014. City of Oakland Coliseum Area Specific Plan Draft Environmental Impact Report (DEIR), Volume 1, Oakland California. August 2014.

2014. Owens Dry Lake Phase 9-10 Survey and Testing of Prehistoric and Historic Sites Report, Inyo County, California

2013. Chevron Guadalupe Restoration Project Area A8 Geoarchaeological Assessment Guadalupe, California.

2012. Paleontological Resources Monitoring Report Chevron Reactivation of 86-19J and 88-20J Project, Kettleman Hills Oil Fields, Fresno County, California.

2011. Owens Dry Lake Phase 8 Data Recovery Draft Report, Inyo County, California.

2011. Owens Dry Lake Phase 8 Archaeological Testing and Evaluation Report, Inyo County, California.

2010. Camp Pendleton Archaeological Site Evaluation and Testing. Camp Pendleton Marine Base, California.

2009. Lower Snake River Wind Energy Project Environmental Impact Statement, Columbia and Garfield Counties, Washington. Draft form August 2009.

2009. Geoarchaeology Testing Report for the Harper Lake Solar Facility Project, San Bernardino County, California.

2006. Geologic Hazard Report and Geotechnical Evaluation of Lot 3, Sands Subdivision, Cannon Beach, Oregon.

2004. Diatoms are Cool, Yet do They Indicate Dramatic Climate Shifts in the Holocene or are They Just Full of Silica. Nyanza Project 2004 annual report, limnogeology and paleoclimatology section. Kigoma, Tanzania.

2004. Holocene Climate Shifts in Lake Tanganyika as Indicated by Microfossil Diatom Assemblages in Lacustrine Sediments From Core NP04-KH-1K. Presented at the University of Dar Es Salaam 2004 Science Conference. Dar Es Salaam, Tanzania. Funded by the National Science Foundation, The University of Dar Es Salaam and The Nyanza Project.

# MARY ANN VICARI, M.A., PRINCIPAL INVESTIGATOR / ARCHAEOLOGIST

Ms. Vicari is a Principal Investigator and geoarchaeologist for SWCA's Las Vegas office. Her experience is in archaeological field and lab work for the Great Basin and Mojave Desert regions of Nevada, Utah, and California. As Principal Investigator she has overseen a variety of data recovery, Class I, Class II, and Class III inventory projects, and regularly authors and reviews technical reports for cultural resource projects. Ms. Vicari also consults on projects requiring geoarchaeological investigations and analysis, including transportation, housing development, and solar projects in California; and pipeline, transmission, and mining projects in Nevada. Specialized skills include stratigraphic profiling and soil description, interpretation of depositional contexts and site formation processes, and lab-based granulometric characterization (PSA). Ms. Vicari has also served as field director for several large scale projects, and is well versed in lithic analysis, GIS map production, and spatial analysis. Ms. Vicari meets and exceeds Secretary of Interior professional qualification standards for archaeology.

Ms. Vicari meets the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Principal Investigator. She has a master's degree in Anthropology, and has completed numerous complex archaeological projects involving data recording, analysis and reporting. She has extensive experience developing research designs, planning fieldwork, supervising crews, and interpreting data for archaeological reports.

## SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

### YEARS OF EXPERIENCE

13

### EXPERTISE

Archaeological survey and excavation

Geoarchaeological field and lab analysis

ArcGIS mapping, analysis, and modeling

Great Basin archaeology

Mojave Desert archaeology

Report preparation; QA/QC

### EDUCATION

Ph.D. candidate, Anthropology; Washington University, St Louis, Missouri; 2012

M.A., Anthropology; Washington University, St Louis, Missouri; 2008

B.A., Geoarchaeology; Hamilton College; 2006

**ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Geoarchaeologist. Conducted geoarchaeological investigations of trenching at the historic San Gabriel Mission cemetery, and a prehistoric site; supervised crew in stratigraphic profiling, authored geoarchaeology report chapters.*

**ACE San Gabriel Trench Cultural Resources Management Services; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National and California Registers listed San Gabriel Mission site<1>.</1> *Role: Geoarchaeologist. Conducted geoarchaeological investigation of trenching at historic San Gabriel Mission site, supervised crew in stratigraphic profiling, authored geoarchaeology report chapter.*

**AZGFD Parashant Monitoring; Mohave County, Arizona; Confidential Client.**  
CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Bald Mountain-Blue Jay Cultural Resource Inventory; White Pine County, Nevada; U.S. Bureau of Land Management.** SWCA has been preparing a Class III cultural resources inventory for two fuel reduction projects, for the Bureau of Land Management (BLM) Ely District Office. These projects will assist the BLM with managing areas with dense forests or areas with high fire hazard potential, within White Pine County.

**PERMITS**

Ute Indian Tribe of the Uintah and Ouray Reservation Access Permit, Cultural Resource Specialist; Uintah and Ouray Reservation

Nevada State Museum Antiquities Permit (248), Principal Investigator; Federal or State lands NV

U.S. Bureau of Land Management Archaeological Investigations Permit (AZ-000581), Principal Investigator; AZ

U.S. Bureau of Land Management Cultural Resource Use Permit (CA-14-19), Field Director; CA

U.S. Bureau of Land Management Cultural Resource Use Permit (N-50837), Principal Investigator; NV

Arizona State Museum Archaeological or Paleontological Surveys Permit (2016-008bl), Project Director; AZ

U.S. Bureau of Land Management Cultural Resource Use Permit (14UT55126), Field Supervisor/Crew Chief; UT

**TRAINING**

First Aid, CPR, AED, American Red Cross; 2013

**MEMBERSHIPS**

Member, Society for American Anthropology

Member, Register of Professional Archaeologists

Nevada. The project area encompassed 3,357 acres of land managed by the BLM's Ely Field Office, and consisted of six separate units, located adjacent to one another along the Bald Mountain range and adjacent to Newark Valley. *Role: Cultural Resources Specialist.*

**Bangerter 600 West Environmental Impact Statement; Salt Lake County, Utah; HDR, Inc..** *Role: Cultural Resources Specialist. Conducted geoarchaeological investigation for EIS area, undertook stratigraphic profiling and soil description/geomorphic interpretation of backhoe trench exposures; photographed and documented trench wall stratigraphy; acted as field lead supervising data recovery; co-authored and edited draft report.*

**Arturo 25 Sites Cultural Resources Mitigation; Elko County, Nevada; Barrick Goldstrike Mines Inc..** SWCA conducted data recovery at 25 prehistoric archaeological sites for cultural resource mitigation purposes under the jurisdiction of Section 106 of the National Historic Preservation Act. SWCA also prepared the treatment plan, which was approved by the Bureau of Land Management with Nevada State Historic Preservation Office concurrence. *Role: Geoarchaeologist. Supervised crews in field profiling and sediment sample collection, conducted lab analyses, authored geoarchaeology report chapter.*

**Barrick Arturo Bootstrap Haul Road Sites Mitigation; Elko County, Nevada; Barrick Goldstrike Mines Inc..** Barrick Gold Exploration contracted SWCA to prepare data recovery treatment plans for four prehistoric archaeological sites and conduct cultural resource mitigation at these sites under the jurisdiction of Section 106 of the NHPA. SWCA archaeologists also conducted a cultural resource inventory to identify any cultural resources that might be affected by expansion of a transmission line in the same area. *Role: Geoarchaeologist. Conducted geoarchaeological investigations of prehistoric sites, profiled backhoe trench and test unit stratigraphy.*

**Barrick Goldstrike Cultural Resources Mitigation; Elko County, Nevada; Barrick Goldstrike Mines Inc..** *Role: Geoarchaeologist. Conducted data recovery fieldwork at prehistoric sites; Profiled and described subsurface trenches at a prehistoric site, authored geoarchaeology report chapter.*

**Barrick Goldstrike Cultural Resource Mitigation 2014; Multiple Counties, Nevada; Barrick Goldstrike Mines Inc..** *Role: Geoarchaeologist. Profiled and described subsurface trenches at three prehistoric sites, authored geoarchaeology report chapter.*

**Bear River Tribal Consultation; Fremont County, Idaho; PacifiCorp.** *Role: Cultural Resources Specialist.*

**Beckstead Ditch Cultural Resource Assessment; Riverton, Salt Lake County, Utah;**

**Confidential Client. CONFIDENTIAL** *Role: Cultural Resources Specialist.*

**BLM SEZ Sample Surveys; Riverside County, California; U.S. Bureau of Land Management.** SWCA carried out cultural resource studies for selected Solar Energy Zones (SEZs) across multiple field offices in Arizona, California, and Nevada. This multi-state study is designed to assist federal land managers in predicting the density, distribution, and types of resources present in the various SEZs. Coordinating across regional SWCA offices and consulting with in-state BLM personnel, SWCA developed sampling plans and performed Class II cultural resource inventories and evaluations. *Role: Crew Chief. Supervised crews in Class III survey and site recording, co-authored report, produced report maps.*

**Boulder City Municipal Airport Surveys; Boulder City, Clark County, Nevada; Kimley-Horn and Associates, Inc..** *Role: Cultural Resources Specialist.*

**Bradshaw and White Rock Exploration Cultural Resource Surveys; Lander County, Nevada; SRK Consulting, Inc..** *Role: Cultural Resources Specialist.*

Sandy Valley Class III Inventory; Sandy Valley, Clark County, Nevada; Clark County School District. *Role: Cultural Resources Specialist.*

Chaffin Ranch Cultural Resource Inventory; Genola, Utah County, Utah; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

Chavez Ranch Road Permitting; Sedona, Yavapai County, Arizona; Mystic Heights. CONFIDENTIAL *Role: Cultural Resources Specialist.*  
Class I Nevada; Multiple Counties, Multiple States; AECOM, Inc.. *Role: Cultural Resources Specialist.*

Converse Consultants Enterprise Park Environmental Assessment (EA); Clark County, Nevada; Converse Consultants. *Role: Cultural Resources Specialist.*

Converse Consulting Archeological Records Search Dayton; County, Nevada; Converse Consultants. *Role: Cultural Resources Specialist.*

Converse Consulting Archeological Records Search; Lyon County, Nevada; Converse Consultants. *Role: Cultural Resources Specialist.*

Crescent Peak Wind Bird and Bat Surveys; Clark County, Nevada; Crescent Peak Renewables, LLC. SWCA performed initial permitting of an approximately 300 MW wind power facility in Nevada. *Role: Cultural Resources Specialist.*

Crescent Point Well Field Development; Duchesne County, Utah; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

Region III Wildlife Water Catchments Cultural Resource Survey; Mohave County, Arizona; Arizona Game and Fish Department. *Role: Cultural Resources Specialist.*

SCE CWA 1375 Grapevine 12kV Damaged Pole Replacement near Scotty's Castle, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Field Director. Supervised archaeological survey of pole locations and monitoring during pole replacements, authored inventory and monitoring reports.*

SCE CWA 1411 One Deteriorated Pole Replacement near Death Valley Junction, Inyo County, BLM Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1412 Nine Deteriorated Pole Replacements between Baker and Mountain Pass, San Bernardino County, BLM, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1427 One Deteriorated Pole Replacement near Baker, San Bernardino County, BLM, Barstow Field Office; Baker, San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1446 Seventeen Deteriorated Poles Replacements near Mountain Pass, San Bernardino County, CA, Bureau of Land Management, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1482 Grapevine 12 kV Emergency Repair Planning, Death Valley National Park, Phase 2 Job Walk; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1553 Five Deteriorated Poles Replacement near the Excelsior Mine in the Pahrump Valley Wilderness Area, BLM Needles Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1554 Eight Deteriorated Poles Replacement near Goleta, Ojai, and Fillmore, Los Padres National Forest, Santa Barbara and Ojai Ranger Districts, Santa Barbara and Ventura Counties, CA; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1569 CR Hector 12kV Line Extension BLM Additional CR from CWA 897; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1657 Remove and Replace Three H-Frame Structures, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1658 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1659 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1660 Remove and Replace One H-frame Structure (TD1093584), BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1661 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1662 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1663 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1753 GRM Furnace Creek 33kV Preventative Maintenance; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1835 One Deteriorated Pole near Lake Havasu on Lands Managed by the Bureau of Land Management, Havasu Field Office, San Bernardino County, California; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1889 Archaeological Monitoring During Emergency Repair of the Badwater 12kV Buried Line, Death Valley National Park, Inyo County, CA; Kern County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1988 CR BLM Desert District Site Recording Det Poles; Riverside County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 2053 CRNR Emergency Pole Replacement, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 2054 CRNR Emergency Pole Replacement on Private Lane, City of Rialto, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

CWA 32 Death Valley/Scotty's Castle Pole Replacement; Death Valley, Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 564 El Dorado Substation Water Line, a Project Component of the RGIP El Dorado AA Bank Project, BLM Nevada; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 566 Infrastructure Replacement - Badwater 12kV (TD858515), Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 721 Cultural Resources Services in Support of the Round Fire Emergency Response near Bishop, Inyo and Mono Counties, CA; Inyo County, California; Southern California Edison Company. SWCA provided SCE with cultural and natural resources support for emergency pole replacements and repairs for damage to 185 poles caused by the Round Fire in 2015 within lands administered by BLM, Inyo National Forest (INF), Inyo and Mono Counties, and the State of California. *Role: Cultural Resources Specialist. Conducted archaeological monitoring and inventory of pole replacement locations.*

SCE CWA 910 One Deteriorated Pole on Lands Managed by the BLM, Havasu District, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

**Davis Camp Water Storage Tank Cultural Resources Evaluation; Kingman, Mohave County, Arizona; Mohave County.** *Role: Cultural Resources Specialist.*

**Salt Lake City Airport De-Icing Delineation; Salt Lake City, Salt Lake County, Utah; Salt Lake City Department of Airports.** *Role: Cultural Resources Specialist.*

**Dixie Valley Cultural Resource Inventories; Pershing County, Nevada; CH2M Hill.** *Role: Cultural Resources Specialist. Performed file search at Carson City and Winnemucca BLM; Conducted archaeological surveys and recorded sites; wrote and researching report sections, wrote portions of cultural resources report.*

**EI WA 004 SNF Monitoring; Fresno County, California; Environmental Intelligence, LLC.** *Role: Cultural Resources Specialist.*

**EI WA 005 Camp Nelson SQNF Monitoring; Tulare County, California; Environmental Intelligence, LLC.** *Role: Cultural Resources Specialist. Conducted archaeological survey and monitoring for hazardous tree removal.*

**EPNG Line 1903 Tortoise Monitoring; San Bernardino County, California; Kinder Morgan, Inc..** *Role: Cultural Resources Specialist.*

**Estrella Substation and Paso Robles Area Reinforcement Project; Paso Robles, San Luis Obispo County, California; Confidential Client. CONFIDENTIAL** *Role: Geoarchaeologist. Conducted desktop geoarchaeological assessments.*

**Fillmore Field Office Class I Cultural Overview; Juab And Millard Counties, Utah; U.S. Bureau of Land Management.** SWCA prepared a Class I Existing Information Inventory and associated predictive archaeological site sensitivity model for the BLM Fillmore Field Office planning area, which included 4.5 million acres of BLM-administered lands and 2.0 million acres of lands that were privately-owned, tribal, or managed by a variety of other federal and state agencies. *Role: Principal Investigator. Reviewed Class I reports.*

**Klondex Fire Creek WRSF Archaeological Mitigation; Crescent Valley, Eureka County, Nevada; Klondex Gold & Silver Mining Company.** *Role: Cultural Resources Specialist.*

**Milford Wind Corridor Mitigation; Multiple Counties, Utah; First Wind Energy, LLC.** SWCA conducted cultural resources mitigation at several archaeological sites affected by a development project. Mitigation activities for affected sites included both archaeological excavation and historical documentation. *Role: Geoarchaeologist. Reviewed and edited a discovery report chapter; reviewed and provided commentary on a geoarchaeological report.*

**Milford Wind Corridor Monitoring; Multiple Counties, Utah; First Wind Energy, LLC.** *Role: Geoarchaeologist. Reviewed and edited a discovery report chapter; reviewed and provided commentary on a geoarchaeological report.*

**Geokinetics Olympus 2D Cultural Surveys; Nye County, Nevada; Confidential Client.** SWCA conducted intensive-level cultural resource surveys of 13.3 miles of 2D seismic routes. The project is on BLM and private lands, with the BLM, Battle Mountain District, Tonopah Field Office serving as the Lead Agency for Section 106 compliance. *Role: Cultural Resources Specialist.*

**Geokinetics Olympus 3D CRI; Nye County, Nevada; Confidential Client.** SWCA conducted an intensive cultural resource inventory for 66 linear miles of source lines, 22 linear miles of receiver lines, and approximately 5 linear miles of access routes. The project is on BLM and private lands, with the BLM, Battle Mountain District, Tonopah Field Office serving as the Lead Agency for Section 106 compliance. *Role: Cultural Resources Specialist.*

**Gold Butte Treatment Plan; Lincoln County, Nevada; U.S. Bureau of Land Management.** *Role: Principal Investigator. Prepared a treatment plan for historic and prehistoric sites in the Gold Butte area. Treatment included mitigation measures and data recovery procedures.*

**Goodsprings Substation Expansion; Goodsprings, Clark County, Nevada; Confidential Client. CONFIDENTIAL** *Role: Cultural Resources Specialist.*

**GP Joule Solar Project Environmental Assessment; County, Nevada; Confidential Client. CONFIDENTIAL** *Role: Cultural Resources Specialist.*

**Genesis Solar Energy Project Geoarchaeology and Archaeological Monitoring; Blythe, Riverside County, California; Confidential Client. CONFIDENTIAL** *Role: Geoarchaeologist. Prepared budget and scope for Phase I and Phase II geoarchaeological monitoring,*

conducted geologic literature review, authored trenching program proposal, directed Phase I geoarchaeological trenching program and supervised cultural resource monitoring of backhoe trenching, authored Phase I geoarchaeology report.

**Gubler Wash/Ward Mountain Survey; White Pine County, Nevada; Mt. Wheeler Power.** *Role: Cultural Resources Specialist.*

**Heavy Spar Exploration Cultural Resource Inventory; Elko County, Nevada; Halliburton Energy Services, Inc..** *Role: Cultural Resources Specialist.*

**Hidden Hills Transmission Line Environmental Impact Statement; Clark And Nye Counties, Nevada; Valley Electric Association, Inc..** As a third-party contractor, SWCA assisted the BLM in writing a NEPA-compliant EIS for proposed transmission facilities and a 32 mile long natural gas pipeline connected to the 500-MW solar energy generation station on approximately 3,200 acres of private land. The project is currently on hold. *Role: Archaeologist. Responsible for cultural resource components of the Environmental Impact Statement.*

**Hobbs-China Draw 345kV Transmission Line Project; Eddy And Lea Counties, New Mexico; Xcel Energy.** SWCA is leading the NEPA permitting and resource studies for this 86-mile-long project that will traverse a mix of private, state, and federal lands in Eddy and Lea Counties, New Mexico. Key resource issues are karst topography, visual resources, hydrology, cultural resources, land use, and lesser prairie chicken. *Role: Cultural Resources Specialist. Conducted Class III archaeological inventory.*

**Horse Lake Cultural; Susanville, Lassen County, California; Confidential Client.** *Role: Cultural Resources Specialist.*

**Kapacke Mining Plan Amendment and Cultural Surveys; Spring Valley, White Pine County, Nevada; Confidential Client.**

CONFIDENTIAL *Role: Principal Investigator. Ms. Vicari served as Principal Investigator and GIS specialist during the report production for a Class III cultural resources inventory and damage assessment as part of a Plan of Operations Amendment.*

**Las Vegas Paiute Water Upgrade; Las Vegas, Clark County, Nevada; GCW, Inc..** *Role: Cultural Resources Specialist.*

**Lathrop Wells Solar Surveys and EIS; Nye County, Nevada; Abengoa Solar, Inc..** SWCA conducted field surveys, including surveys for desert tortoise and cultural resources, in support of preparing a NEPA-compliant environmental impact statement (EIS) for the proposed 250 megawatt solar facility on approximately 1,500 acres of BLM land. SWCA is also the third-party contractor, assisting the BLM in writing the EIS. *Role: Cultural Resources Specialist. Georeferenced and digitized class I data, produced maps of Class III survey data using ArcGIS, conducted archaeological survey and recorded sites, co-authored draft report.*

**LCAI Quinn Canyon Ethnographic & Archaeological Project; Lincoln County, Nevada; U.S. Bureau of Land Management.** SWCA conducted ethnographic and archaeological inventories at the Quinn Canyon Massacre Site, Lincoln County, Nevada. *Role: Crew Chief. Performed Class III survey and recorded sites, conducted historical literature review, co-authored draft and final reports.*

**LCAI Round 6 Archaeology Services; Lincoln County, Nevada; U.S. Bureau of Land Management.** *Role: Principal Investigator. Authored survey sampling design; conducted survey; co-authored and reviewed inventory report, authored treatment plan and data recovery report.*

**Lincoln County Archaeological Initiative- Round 5; Lincoln County, Nevada; U.S. Bureau of Land Management.** *Role: Principal Investigator and Project Manager. Co-authored research proposal, conducted soil erosion modeling in GIS, supervised survey; managed all aspects of project, authored report.*

**Lincoln County Archaeological Initiative Year 1 of 3; Lincoln County, Nevada; U.S. Bureau of Land Management.** In alignment with the BLM's identified management goals for cultural resources in the district, SWCA conducted a cultural resource inventory in areas at risk from modern development. *Role: Cultural Resources Specialist. Conducted archaeological surveys and recorded sites.*

**McCoy Geoarchaeology Monitoring of Geotechnical Boring; Blythe, Riverside County, California; Confidential Client.** CONFIDENTIAL *Role: Geoarchaeologist. Monitored geotechnical boring, conducted in-field analysis of core samples, authored geoarchaeology report.*

**Mountain View Permitting; Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Muddy River Fish Barrier; Clark County, Nevada; U.S. Bureau of Land Management.** *Role: Cultural Resources Specialist.*

**Nellis Air Force Base Area II Survey; Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator. Conducted Class III Inventory, authored research design, prepared project and report maps.*

**Nine Treatment Units Pine Nut Mountains; Consolidated Municipality Of Carson City County, Nevada; U.S. Bureau of Land Management.** SWCA conducted a cultural resources inventory for nine treatment units within the Pine Nut Mountains. *Role: Principal Investigator. Oversaw report preparation, prepared report maps.*

**NVE 617 Rebuild; Churchill County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator. Oversaw report preparation, prepared report maps.*

**Oatman Hwy Sacramento Wash Environmental Services; Kingman, Mohave County, Arizona; Mohave County.** *Role: Cultural Resources Specialist.*

**ON Line (SWIP-South) Cultural Data Recovery; White Pine County, Nevada; Great Basin Transmission, LLC.** SWCA was contracted in October 2010 to carry out archaeological data recovery at twenty sites for the approximately 230-mile long 500 kV Transmission Line Project following the Historic Properties Treatment Plans for the project. In addition, SWCA recorded all cultural resource discoveries found by cultural resource monitors during ground disturbing activities for the project. *Role: Principal Investigator. Supervised crews on data recovery project, managed field QA/QC of recovered artifacts and paperwork, conducted field geoarchaeological investigations including stratigraphic profiling and sediment sample collection, supervised geoarchaeological lab work and artifact analysis, authored data recovery report chapters and edited four report volumes, authored addendum report.*

**ON Line Cultural Resource Emergency Maintenance Work; White Pine County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Overland Pass Cultural Resource Inventory; White Pine County, Nevada; U.S. Bureau of Land Management.** SWCA has been preparing a Class III cultural resources inventory for a fuel reduction project, for the Bureau of Land Management (BLM) Ely District Office. This project will assist the BLM with managing areas with dense forests or areas with high fire hazard potential, within White Pine County, Nevada. The project area encompassed 6,657 acres of land managed by the BLM's Ely Field Office, and consisted of four separate units, located adjacent to one another along the flank of Big Bald Mountain adjacent to the south end of Ruby Valley. *Role: Cultural Resources Specialist.*

**Pahrump Valley Solar; Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator. Authored Class III Inventory report, conducted visual analysis in GIS, managed permitting.*

**Phase 2 Surveys; Beaver County, Utah; Utah Education Network.** *Role: Cultural Resources Specialist.*

**Pittman North Detention Basin Environmental Assessment; Clark County, Nevada; VTN Consulting Engineers.** *Role: Cultural Resources Specialist.*

**Plumas-Sierra Rural Electric Construction Workplan Environmental Report; County, California; Plumas-Sierra Rural Electric Cooperative.** *Role: Principal Investigator. Performed records search, authored cultural resources analysis for Environmental Report, conducted tribal consultation*

**Poker Flats Cultural Resource Mitigation; White Pine County, Nevada; KG Mining (Bald Mountain) Inc..** *Role: Cultural Resources Specialist.*

**Prospect Mountain East Side Facility Plan of Operation; Eureka, Eureka County, Nevada; Gulsill, LLC.** SWCA is developing a mine plan of operation and completing associated baseline surveys and NEPA documentation for mine approval. Baseline surveys completed include a habitat assessment with field surveys to assess bats, big game, raptor nesting, sensitive plants, and noxious weeds. *Role: Principal Investigator. Co-authored and reviewed Class III inventory report.*

**Reid Gardner Reconnaissance Level Surveys; Clark County, Nevada; NV Energy.** *Role: Archaeologist.*

**Reid Gardner Section 5 Land Exchange EA; Moapa, Clark County, Nevada; NV Energy.** SWCA prepared an Environmental Assessment for the sale of BLM land adjacent to the Reid Gardner Power Generating Station to NV Energy in support of NV Energy's ongoing monitoring activities for compliance with NV Division of Environmental Protection. *Role: Cultural Resources Specialist. Co-authored Class III report and produced report maps.*

**Reno Housing Authority Architectural History Inventory; Reno, Washoe County, Nevada; Housing Authority of the City of Reno.** *Role: Cultural Resources Specialist.*

**Richfield Field Office Class I Cultural Overview; Multiple Counties, Utah; U.S. Bureau of Land Management.** SWCA prepared a Class I Existing Information Inventory and associated predictive archaeological site sensitivity model for the Richfield Field Office planning area, which included 2.1 million acres of BLM-administered lands and 3.4 million acres of lands that were privately-owned, tribal, or managed by a variety of other federal and state agencies. *Role: Principal Investigator. Reviewed Class I reports.*

**Rossi Mine RLC/Pokey Cultural Resource Survey; Elko County, Nevada; SRK Consulting, Inc..** *Role: Cultural Resources Specialist.*

**Ruby Pipeline Data Recovery; Elko County, Nevada; Far Western Anthropological Research Group, Inc..** SWCA provided field assistance to complete cultural resource surveys for a 500-mile portion of the Ruby Pipeline project. Tasks included field verifications of site forms, site mapping, surface artifact collection, feature documentation, subsurface testing, and hand excavation. *Role: Geoarchaeologist. Completed data recovery on more than 50 prehistoric sites; conducted geoarchaeological investigations during excavation, undertook stratigraphic profiling and soil description.*

**Saratoga Springs Wetland and Cultural Resources Surveys; Saratoga Springs, Utah County, Utah; City of Saratoga Springs.** SWCA identified and reported on waters of the U.S. in a 580-acre project area along the Jordan River and Utah Lake. *Role: Cultural Resources Specialist.*

**SCE Grapevine 12 kV Repair Phase 02; Inyo County, California; Southern California Edison Company.** *Role: Field Director. Supervised archaeological survey of pole locations and monitoring during pole replacements, authored inventory and monitoring reports.*

**Silverstate South SCE Substation 3rd Party Monitoring; Clark County, Nevada; Southern California Edison Company.** *Role: Monitor. Conducted environmental compliance monitoring during substation construction.*

**Silverstate South Solar 3rd Party Monitoring; Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Southland Solar Permitting; Laughlin, Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Principal Investigator. Conducted Class I records search, archaeological research, and viewshed analysis, authored inventory report.*

**Southwest Gas Permitting Matrix; Multiple Counties, Multiple States; Southwest Gas Corporation.** SWCA developed an environmental permit flowchart and decision tree for counties in Nevada, Arizona, and California, delivering the final product as an Access Database for Southwest Gas Corporation. *Role: Cultural Resources Specialist. Reviewed, tested and revised cultural resource predictive model in ArcGIS.*

**Spruce Mountain Restoration Cultural Resource Inventory; Elko County, Nevada; U.S. Bureau of Land Management.** *Role: Principal Investigator. Oversaw report preparation, prepared report maps.*

**Steptoe Units Class III Cultural Resources Survey; White Pine County, Nevada; U.S. Bureau of Land Management.** *Role: Principal Investigator. Conducted records search, field work, authored report, prepared report maps.*

**Stillwater Cultural Resource Surveys; Stillwater, Churchill County, Nevada; Enel Green Power North America, Inc..** *Role: Cultural Resources Specialist.*

**Terra-Gen Power NY Canyon and Fence Maker Pass Cultural Services; Pershing County, Nevada; Terra-Gen Power, LLC.** *Role: Cultural Resources Specialist.*

**Three Solar Environmental Feasibility Studies; Multiple Counties, Nevada; Enel Green Power North America, Inc..** *Role: Cultural Resources Specialist.*

**Thunderbird Wind; Mohave County, Arizona; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Naval Air Station Fallon Archaeological Survey; Churchill County, Nevada; Naval Air Station Fallon.** *Role: Cultural Resources Specialist. Georeferenced and digitized Class I data using ArcGIS for Class III survey.*

**Trans West Express General Support Services; Carbon County, Wyoming; TransWest Express, LLC.** SWCA is providing support services to TransWest Express, LLC for the development of the 850-mile TransWest Express Transmission Line Project from south-central Wyoming to Las Vegas, Nevada. SWCA is working with TransWest to develop permitting, compliance, and mitigation strategies for the project. SWCA's support services include the development of mitigation strategies for greater sage-grouse. This includes development of an HEA model

that evaluates potential project impacts to greater sage-grouse and identifies the types and quantities of mitigation and conservation actions necessary to offset those impacts. The HEA process developed by SWCA has been cited by the U.S. Fish and Wildlife Service and the Bureau of Land Management as a component of the analysis framework for all major transmission lines in the western United States. To date, SWCA is the only company to have completed this analysis for greater sage-grouse on any type of project. *Role: Cultural Resources Specialist.*

**TWE Nevada Change Order 2011; Multiple Counties, Multiple States; AECOM, Inc..** *Role: Cultural Resources Specialist.*

**UCI Faculty & Staff Housing Archaeological Evaluation; Irvine, Orange County, California; California Pacific Homes.** SWCA provided cultural and paleontological monitoring services during construction of multi-phase housing project. *Role: Geoarchaeologist. Profiled excavation units at a prehistoric site, wrote geoarchaeological analysis for report.*

**Utah Department of Transportation I-15 Widening Cultural Resources Survey; Box Elder County, Utah; Utah Department of Transportation.** SWCA conducted an archaeological survey for the widening of sections of I-15 between Farr West and Brigham City. The survey included a Class I literature search for 0.5 mile surrounding the survey area, consultation with the UDOT Region 1 archaeologist prior to the initiation of fieldwork, a file search with the UGS, and a Class III intensive-level archaeological survey conducted in the project area. A report was submitted to UDOT and the SHPO. *Role: Project Manager.*

**Uncle Sam Notice Cultural Resource Inventory; Tonopah, Nye County, Nevada; Enviroscientists, Inc..** Enviroscientists, Inc. retained SWCA to conduct a Class III cultural resources inventory for approximately 22 acres on land administered by the Bureau of Land Management to determine if proposed surface-disturbance activities for a mining notice would cause unnecessary or undue degradation to cultural resources as defined in 43 Code of Federal Regulations 3809. *Role: Cultural Resources Specialist.*

**Utah Education Network-SAC Environmental Assessment; Beaver County, Utah; Utah Education Network.** *Role: Cultural Resources Specialist.*

**VEA Broadband Cable Permitting Assistance; Pahrump, Nye County, Nevada; Valley Electric Association, Inc..** Permitting of 950 miles of overhead fiber optic cable on VEA existing infrastructure, coordination with three BLM district Office and two National Forests. During construction SWCA will provide biologists and archaeologists for construction monitoring. *Role: Cultural Resources Specialist.*

**Virgin River Crossing Biological Assessment; Mesquite, Clark County, Nevada; Forsgren Associates, Inc..** SWCA is preparing a biological assessment for a water-line crossing of the Virgin River. Specific species being evaluated include Mojave desert tortoise (*Gopherus agassizii*), southwestern willow flycatcher (*Empidonax traillii extimus*), yellow-billed cuckoo (*Coccyzus americanus*), Yuma clapper rail (*Rallus longirostris yumanensis*), Virgin River chub (*Gila seminude*), woundfin (*Plagopterus argentissimus*), and razorback sucker (*Xyrauchen texanus*). *Role: Cultural Resources Specialist.*

**Visalia Lot Monitoring; Visalia, San Bernardino County, California; Southern California Gas.** Performed cultural resource monitoring, site recordation, site evaluation, and reporting services in support of parking lot repair. *Role: Cultural Resources Specialist.*

**Environmental Services; Duchesne County, Utah; XTO Energy.** SWCA conducted biological, archaeological, and paleontological surveys for proposed wells, roads and pipelines on Federal, State and Tribal land. *Role: Cultural Resources Specialist.*

**Yellow Pine Solar Permitting Support; Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

## SELECT REPORTS

Vicari, Mary Ann and Victor Villagran

2017 *Cultural Resources Inventory for Confidential Solar Project in Clark County, Nevada.* SWCA Environmental Consultants. Confidential Report.

Vicari, Mary Ann, Victor Villagran, and Katie Martin

2017 *Class III Cultural Inventory for Steptoe Units, White Pine County, Nevada.* SWCA Environmental Consultants. BLM Report Number 8111 NV 04-17-2156. Report Submitted to Nevada BLM, Ely District.

Vicari, Mary Ann, Katie Martin, and Alyssa Newcomb

2017 *Cultural Resources Monitoring for Southern California Edison's Badwater 12kV Emergency Pole Replacement, Death Valley National Park, Inyo County, California.* SWCA Environmental Consultants. Report Submitted to Death Valley National Park.

Vicari, Mary Ann, Chris Millington, and Heather Gibson

2017 *Cultural Resources Survey and Monitoring for Phase 02 of Southern California Edison's Grapevine 12kV Emergency Circuit Repair Project (SAP 901661842), Death Valley National Park, Inyo County, California.* SWCA Environmental Consultants. Report Submitted to Death Valley National Park.

Vicari, Mary Ann and Laura Hoffman

2016 *Cultural Resources Survey and Monitoring for Southern California Edison's Round Valley Fire Emergency Response Repair and Replacement of Utility Poles on BLM Land, Mono County, California.* SWCA Environmental Consultants. Report Prepared for Southern California Edison.

Vicari, Mary Ann and Laura Hoffman

2016 *Cultural Resources Survey and Monitoring for Southern California Edison's Round Valley Fire Emergency Response Repair and Replacement of Utility Poles on State, County, and Private Land in Inyo and Mono Counties, California.* SWCA Environmental Consultants. Report Prepared for Southern California Edison.

Vicari, Mary Ann and Laura Hoffman

2016 *Cultural Resources Survey and Monitoring for Southern California Edison's Round Valley Fire Emergency Response Repair and Replacement of Utility Poles on Inyo National Forest Land, Mono County.* SWCA Environmental Consultants. Report Prepared for Southern California Edison.

Vicari, Mary Ann, Chris Millington, and Heather Gibson

2016 *Cultural Resources Survey and Monitoring for Phase 01 of Southern California Edison's Grapevine 12kV Emergency Circuit Repair Project (SAP 901661842), Death Valley National Park, Inyo County, California.* SWCA Environmental Consultants. Report Submitted to Death Valley National Park.

Vicari, Mary Ann and Chris Millington

2016 *Archaeological Survey Report for Southern California Edison's Proposed Grid Reliability and Maintenance Replacement Project, One Pole Replacement, One Pole Removal, and One Ground Anchor Installation on the Badwater 12kV Distribution Circuit (TD858515), Death Valley National Park, Inyo County, California.* SWCA Environmental Consultants. Report Submitted to Death Valley National Park.

Vicari, Mary Ann

2016 *Archaeological Survey Report for Southern California Edison's Replacement of Five Deteriorated Poles along the Shoshone 33kV Circuit (TD1028027), Bureau of Land Management, Needles Field Office, San Bernardino County, California.* SWCA Environmental Consultants. Report Submitted to California BLM, Needles Field Office.

Vicari, Mary Ann

2016 *Archaeological Survey Report for Southern California Edison's Installation of Five New Poles and Use of Existing Duct and Pull Box along the Hector 12kV Circuit (TD928635)*, Bureau of Land Management, Barstow Field Office, San Bernardino County, California. SWCA Environmental Consultants. Report Submitted to California BLM, Barstow Field Office.

Vicari, Mary Ann

2016 *Archaeological Survey Report for Southern California Edison's Replacement of Five Wooden H-Frame Structures (10 Poles) along the Kramer-Tortilla 115kV Circuit (TD837898, TD1089810, and TD1090476)*, Bureau of Land Management, Barstow Field Office, San Bernardino County, California. SWCA Environmental Consultants. Report Submitted to California BLM, Barstow Field Office.

Vicari, Mary Ann

2016 *Archaeological Survey Report for Southern California Edison's Replacement of Four Wooden H-Frame Structures (8 Poles) along the Kramer-Coolwater 115kV Circuit (TD1093584, TD1093595, TD1093606 and TD1093611)*, Bureau of Land Management, Barstow Field Office, San Bernardino County, California. SWCA Environmental Consultants. Report Submitted to California BLM, Barstow Field Office.

Vicari, Mary Ann, Victor Villagran, and Katie Martin

2016 *Class III Inventory of NVE 617 Rebuild Project, Churchill and Pershing Counties, Nevada*. SWCA Environmental Consultants. BLM Report Number CR2-3321. Report Submitted to Nevada BLM, Winnemucca District.

Vicari, Mary Ann, Sean McMurry, Victor Villagran, and Katie Martin

2016 *Draft Class III Cultural Resources Inventory of the Honeymoon Chaining Maintenance and Expansion Unit for the Spruce Mountain Restoration Project, Elko County, Nevada*. SWCA Environmental Consultants. BLM Report Number 1-3149. Report Submitted to Nevada BLM, Elko District.

Vargas, Benjamin, and Mary Ann Vicari

2015 Chapter 5: Site Stratigraphy. In *Abundant Harvests: The Archaeology of Industry and Agriculture at San Gabriel Mission*. SWCA Anthropological Research Paper Number 11. Edited by John Dietler, Heather Gibson, and James M. Potter. SWCA Environmental Consultants.

Vicari, Mary Ann, Amy M. Spurling, and Victor Villagran

2015 *Archaeological Data Recovery for the ON Line 500-kV Transmission Line Project, White Pine, Lincoln, Nye, and Clark Counties, Nevada*. SWCA Environmental Consultants. Report Submitted to Nevada BLM, Ely and Southern Nevada Districts.

Vicari, Mary Ann, Victor Villagran, and Katie Martin

2015 *Class II Inventory of Cedar Range and Sheep Creek Draw, Lincoln County, Nevada*. SWCA Environmental Consultants. BLM Report Number 8111 CRR NV 040-14-2082. Report Submitted to Nevada BLM, Ely District.

Vicari, Mary Ann and Victor Villagran

2015 *Gold Butte Historic Properties Treatment Plan, Clark County, Nevada.* SWCA Environmental Consultants. BLM Report Number 5-2720. Submitted to Nevada BLM, Southern Nevada District.

Vicari, Mary Ann, Victor Villagran, and Katie Martin

2014 *Erosional Modeling and Cultural Resources Inventory of Sand Spring and Garden Valleys, Quinn Canyon Range, and Worthington Mountains, Lincoln County, Nevada.* SWCA Environmental Consultants. BLM Report Number 8111 CRR NV 040-13-2043. Report Submitted to Nevada BLM, Ely District.

Vicari, Mary Ann, Amy Spurling, and Victor Villagran

2014 *Cultural Resources Inventory for the Proposed Pahrump Valley Solar Project in Clark County, Nevada.* SWCA Environmental Consultants. BLM Report Number 5-2706. Report Submitted to Nevada BLM, Southern Nevada District.

Vicari, Mary Ann and Victor Villagran

2014 *Prospect Mountain Mine Class III Cultural Resources Inventory, Eureka County, Nevada.* SWCA Environmental Consultants. BLM Report Number 6-3096. Report Submitted to Nevada BLM, Battle Mountain District.

Vicari, Mary Ann

2013 *Geoarchaeological Monitoring Report: Geotechnical Investigations, McCoy Solar Energy Project, Riverside County, California.* SWCA Environmental Consultants. Report Submitted to AECOM.

Vicari, Mary Ann, Tiffany Newman, Victor Villagran, Amy M. Spurling, and Jim A. Railey

2013 *Class II Cultural Resources Inventory of the Amargosa Valley, Dry Lake Valley North, Gold Point, and Millers Solar Energy Zones, Nye, Lincoln, and Esmeralda Counties, Nevada.* SWCA Environmental Consultants. BLM Report Numbers 5-2688 and 6-2838. Report Submitted to Nevada BLM, Southern Nevada, Ely, and Battle Mountain Districts.

Vicari, Mary Ann, Tiffany Newman, Victor Villagran

2014 *Class III Cultural Resources Inventory for the Reid Gardner Section 5 Modified Competitive Sale Environmental Assessment, Clark County, Nevada.* SWCA Environmental Consultants. BLM Report Number 5-2694. Report Submitted to Nevada BLM, Southern Nevada District.

Vicari, Mary Ann, Amy M. Spurling, Victor Villagran, Suzanne Griset, Jim Steely, Michael D. Cannon

2011 *Ethnographic and Cultural Resources Inventory of the Quinn Canyon Area, Lincoln County, Nevada.* SWCA Environmental Consultants. BLM Report Number 4-1917(P), Forest Service Report Number R2010041702043. Report Submitted to Nevada BLM, Ely District, and U.S. Forest Service, Humboldt-Toiyabe National Forest.

Vicari, Mary Ann, Victor Villagran, Tiffany Newman, and Amy M. Spurling

2011 *Class III Cultural Resource Inventory of the Lathrop Wells Solar Facility in Nye County, Nevada.* SWCA Environmental Consultants. BLM Report Number CRR5-2662. Report Submitted to Nevada BLM, Southern Nevada District.

Vicari, Mary Ann

2008 *Paleoarchaic Lithic Procurement Strategies in the Central Great Basin: A Spatial Approach. Master's Thesis.*  
Washington University in St. Louis.

# MATTHEW WETHERBEE, M.SC., RPA, SENIOR ARCHAEOLOGIST

Mr. Wetherbee exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Principal Investigator. He has a Master's of Science degree in Palaeoecology of Human Societies, and has completed numerous projects including competence in theory, method, recordation, collection, handling, analysis, significant assessments, supervising extensive archaeological projects, developing and reviewing mitigation recommendations, preparing technical reports and agreement documents according to state and federal heritage laws and regulations such as California Environmental Quality Act (CEQA) and Section 106 of the National Historic Preservation Act (NHPA) for protecting cultural resources. Principal Investigator duties have included managing financial and technical tasks including: preparing, tracking, and reporting out on project budgets, providing guidance and leadership to staff and subconsultants, and coordinating with state and federal agencies. By working on both large-scale capital projects and operations and maintenance programs, Mr. Wetherbee has provided invaluable in-depth analysis and recommendations for complex resource/regulatory compliance issues regarding the protection of cultural resources and maintaining environmental compliance. Mr. Wetherbee has been performing as a Principal Investigator for more than 7 years in California.

YEARS OF EXPERIENCE	16
<b>EXPERTISE</b>	
Over 15 years conducting zooarchaeological studies on prehistoric archaeological sites in southern California	
Over 15 years conducting cultural resource management studies	
Over 15 years conducting archaeological surveys	
California Environmental Quality Act (CEQA)	
Section 106 of the National Historic Preservation Act (NHPA)	
<b>EDUCATION</b>	
M.Sc., Environmental Archaeology (Paleoecology of Human Societies); University College London, London, England; 2003	

## SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

San Clemente HS Campus Improvements Project MMRP; Orange County, California; Capistrano Unified School District. *Role: Principal Investigator. Coordinating/managing project to completion.*

San Jose and Santa Clara WWTP Archaeological Monitoring; San Jose, Santa Clara County, California; Confidential Client. CONFIDENTIAL *Role: Principal Investigator. Coordinating/managing project to completion.*

San Juan Hills HS Campus Improvements Project Mitigation Monitoring and Reporting Program; Orange County, California; Capistrano Unified School District. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE Fort Irwin Reliability Project Environmental Assessment; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator.* SWCA is providing support for this transmission line improvement project located on lands administered by the BLM and Department of Defense as well as private land owners. Services include the development of the BLM Plan of Development (POD), preparation of the Environmental Assessment (EA), and biological, jurisdictional waters, cultural, and paleontological technical studies and reports to support the EA, POD, and environmental permits.

Archaeological Field School, North Kharga Oasis Survey: Western Desert of Egypt, Greco Roman, Egypt; 2000

B.A., Anthropology e: Archaeology and Zoology; University of California, Santa Cruz; 2000

Archaeological Field School, San Juan Bautista Historical Mission; Monterey, California, in conjunction with UCSC; 1999

Archaeological Field School; Saddleback Valley College, San Juan Capistrano, California; 1997

Study Abroad; American University in Cairo, Egypt, 1999-2001; 0

**REGISTRATIONS / CERTIFICATIONS**

Riverside County Certified Archaeologist, California No. 156

Registered Prof. Archaeologist No. 15158

**MEMBERSHIPS**

Member, Coachella Valley Archaeological Society

Member, Society for American Archaeology

Member, Register of Professional Archaeologists

Member, International Council for Archaeozoology

Member, Pacific Coast Archaeological Society

Member, Society for California Archaeology

**\*Southern California Edison Deteriorated Power Pole Replacement Program; Monrovia, CA;** Assist managing SCE operations and maintenance deteriorated pole program in coordination with SCE deteriorated pole program team, SCE staff, and other in-house consultants. *Role: In-House Consultant - Senior Archaeologist. Mr. Wetherbee balances and organizes a high volume (400+) of regulatory compliance projects, provides guidance and leadership to the team regarding the protection of cultural resources, and contributes in-depth analysis and recommendations to complex resource/regulatory compliance issues. Program duties include coordinating with other SCE organizational units, peer environmentalists, subconsultants, and state and federal agencies, and also review reports for regulatory compliance and identify resource effects to develop appropriate mitigation measures. Other duties include pre-field records searches, field surveys, and produce technical reports for CEQA/Section 106 regulatory compliance, distribution of consultant work authorizations (CWA) to consultants, report out on scope and project performance, and ensuring environmental compliance during emergency facility repair call-outs. In addition, Mr. Wetherbee will make decisions based on risk regarding pole replacements and potential impacts/effects to cultural resources and collaborate with project team to reach a solution to avoid impacts/effects to cultural resources and maintain compliance.*

**\*Devers-Palo Verde No. 2 (DPV2/DCR); Blythe, CA.** Devers-Palo Verdes No. 2 consisted of approximately 120 miles of the construction of new transmission towers from the Valley substation to new substation in Blythe, CA. *Role: In-House Consultant - Senior Archaeologist. Mr. Wetherbee reviewed the placement of new alignments with associated access roads and other ancillary projects to determine if they would impact cultural resources. If impacts to significant cultural resources could not be avoided, mitigation such as site significance testing and data recovery was implemented. Mr. Wetherbee provided guidance to the team regarding the protection of cultural resources and contributed in-depth analysis and recommendations to complex resource/regulatory compliance issues. Project duties included coordination with SCE/CES management, peer environmentalists, subconsultants, and state and federal agencies, and also reviewed reports for regulatory compliance and identify resource effects to develop appropriate mitigation measures. When conflicts arose, Mr. Wetherbee identified the issue and collaborated with the project team to reach an agreeable solution to avoid impacts to cultural resources while maintaining the project schedule and compliance. These tasks were conducted in coordination with state (California Public Utilities Commission -CPUC-and State Historic Preservation Officer-SHPO) and federal agencies (Bureau of Land Management) along with archaeologist/historians, and Native American Tribes. Mr. Wetherbee also oversaw the formal planning, tracking, and reporting of project performance. In addition, Mr. Wetherbee promoted a safety conscious work environment by following SCE safety protocols and safe work practices and discussed these practices with consultants.*

**\*Tehachapi Renewable Transmission Project (TRTP) – Work Package 3 Segments 7 and 8; Monrovia, CA.** Segments 7 and 8 of the Tehachapi Renewable Transmission Project consisted of the relocation and construction of new transmission towers from the southern boundary of the Angeles National Forest to Ontario, CA. *Role: In-House Consultant - Senior Archaeologist. Mr. Wetherbee reviewed the placement of new alignments with associated access roads and other ancillary projects to determine if they would impact/effect cultural resources. If impacts/effects to significant cultural resources could not be avoided, mitigation such as site significance assessment testing and data recovery was implemented. These tasks were conducted in coordination with state CPUC and SHPO and federal agencies (Angeles National Forest; US Army Corps of Engineers) along with archaeologist/historians. Mr. Wetherbee provided guidance and leadership to the team regarding the protection of cultural resources and contributed in-depth analysis and recommendations to complex resource/regulatory compliance issues. When conflicts arose, Mr. Wetherbee identified the issue and collaborated with the project team to reach an agreeable solution to avoid impacts to cultural resources while maintaining the project schedule and compliance. Project duties included coordination with SCE/CES management, peer environmentalists, subconsultants, and state and federal*

agencies, Native American Tribes, and also reviewing reports for regulatory compliance and identify resource effects to develop appropriate mitigation measures, and reporting out on project performance. In addition, Mr. Wetherbee promoted a safety conscious work environment by following SCE safety protocols and safe work practices and discussed these practices with consultants.

**\*PA6 18, Irvine, CA; Irvine, CA.** Directed an archaeological Phase II test and significance assessment program for regulatory compliance at Site 18 on the PA6 property for the Irvine Community Development Company in Irvine, CA. *Role: Project Archaeologist. After completion of the fieldwork, Mr. Wetherbee provided guidance and leadership to staff during the initial stages of the lab work, and assisted with the preparation of the final technical for CEQA regulatory compliance. Mr. Wetherbee worked closely with the on-site Native American monitor, project proponent, and lead agency to successfully complete the archaeological fieldwork in accordance with tribal requests regarding the treatment of the resource. Mr. Wetherbee also prepared, tracked, and presented on scope and budget progress and reported on project performance.*

**\*Wind Wolves-Vulcan and Wind Wolves East Land Trade, Kern County, CA; Kern County, CA.** *Role: Principal Investigator.* Directed an archaeological Phase I Cultural Resources Inventory and a paleontological assessment for the Wind Wolves-Vulcan and Wind Wolves East properties comprising over 3,000 acres in Kern County, CA. Archival and documentary research resulted in the identification of the remains of the historical San Emigdio Pueblo that flourished circa 1860-1890. Both projects were conducted in accordance with CEQA Guidelines and included pre-field records searches, research design, Native American consultation, historic research, and archaeological survey, to identify and evaluate cultural and paleontological resources within the properties. *Role: Project Archaeologist. Mr. Wetherbee developed the project budget and delivered the final report to the client in a timely and professional manner. The technical reports analyzed proposed project impacts and developed mitigation measures to ensure regulatory compliance.*

**\*España Residential Development, Indio, CA; Riverside County, CA.** *Role: Principal Investigator.* The España project consisted of three late Patayan II (circa A.D. 1000-1500) sand dune occupation sites in the northern Coachella Valley in the County of Riverside, CA. *Role: Project Archaeologist/Faunal Analyst. Mr. Wetherbee directed and conducted the faunal analysis for approximately 10,000 bone specimens for this project. In addition, Mr. Wetherbee prepared the technical report, including research design, historical research, methodology, developed mitigation measures to ensure regulatory compliance, supervised all laboratory analysis for the purpose of evaluating significance and integrity, and California Register of Historical Resources eligibility. Mr. Wetherbee also coordinated with company organizational units, lead agency archaeologists, Native American tribes, and provided guidance and leadership to subconsultants for various analyses for the project. Mr. Wetherbee developed the project budget and delivered the final report to the client in a timely and professional manner.*

**\*Talega Development Project, San Clemente, CA; San Clemente, CA.** The Phase II consisted of the excavation of several archaeological test units to sample and evaluate the significance of the area. The Phase III, data recovery, was conducted at a Late Holocene shell midden, CA-ORA-907, a large site with an upper midden and a deeply buried midden beneath sterile channel fill. *Role: Project Archaeologist/Co-Field Supervisor. Served as co-field supervisor for Phase II significant assessment and Phase III data recovery on the Talega Development property located in San Clemente, Orange County, CA. Mr. Wetherbee assisted with the remote sensing survey of the site prior to the excavations of several archaeological units and subsequent documentation. After completion of the fieldwork, Mr. Wetherbee supervised the initial stages of the lab work including rough sorting of all materials recovered from the excavations. In addition to this fieldwork, Mr. Wetherbee conducted archaeological and paleontological monitoring on the Talega property.*

**SCE CWA 1863 Sand Fire Emergency Response; Los Angeles County, California; Southern California Edison Company.** *Role: Principal Investigator.* SWCA provided GIS and biological and cultural monitoring services for Sand Canyon including a Biological Resource Habitat and Assessment Review for Sand Canyon 16kV and other circuits affected by the sand fire. SWCA also provided avian monitoring services focused on the California Condor and Section 106 archaeological support to determine any impacts to cultural resources.

**SCE CWA 1868 Thirty-Seven Deteriorated Poles Replacement near Johannesburg, Kern and San Bernardino Counties, Bureau of Land Management, Ridgecrest Field Office, CA; Kern County, California; Southern California Edison Company.** SWCA conducted a cultural resources study including a records search, intensive pedestrian field survey, and preparation of a report documenting the methods and results for the replacement of 43 deteriorated wooden distribution poles located on private and federal lands administered by the Bureau of Land Management, Ridgecrest Field Office, Kern and San Bernardino Counties, California. The study was conducted in compliance for the National Historic Preservation Act (NHPA) and the California Environmental Quality Act (CEQA). Several prehistoric and historic period archaeological sites were documented and evaluated for their NRHP eligibility, and SWCA worked directly with SCE to alter project plans in order to avoid sensitive cultural resources. *Role: Principal Investigator. Coordinating/managing project to completion.*

Capistrano Unified School District Master Service Agreement; Orange County, California; Capistrano Unified School District. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1169 Infrastructure Replacement - Pickle Meadow 12kV (TD1011826); Inyo County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1326 Six Deteriorated Poles Replacement Project near California Hot Springs, Sequoia National Forest, Tulare County, CA; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1339 Three Deteriorated Poles Replacement Project near Barstow, San Bernardino County, BLM Barstow; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1403 Thirty-Seven Deteriorated Poles Replacement near Johannesburg, Kern and San Bernardino Counties, BLM, Ridgecrest Field Office, California; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1411 One Deteriorated Pole Replacement near Death Valley Junction, Inyo County, BLM Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1413 Five Deteriorated Pole Replacements near Amboy, San Bernardino County, BLM, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1414 Six Deteriorated Pole Replacements near Twentynine Palms, San Bernardino County, BLM, Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1418 Three Deteriorated Pole Replacements near Angelus Oaks, San Bernardino County, San Bernardino National Forest, San Gorgonio Ranger District; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1427 One Deteriorated Pole Replacement near Baker, San Bernardino County, BLM, Barstow Field Office; Baker, San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1438 Eight Deteriorated Poles Replacement near Mountain Home Conservation Camp, Camp Nelson, Ponderosa, and California Hot Springs, Tulare County, CA, Sequoia National Forest; County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1442 Four Deteriorated Pole Replacements near Barton Flats and Forest Falls, San Bernardino County, San Bernardino National Forest, San Gorgonio Ranger District; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1443 Eight Deteriorated Pole Replacements near Banning, Riverside County, CA, Bureau of Indian Affairs – Morongo Indian Reservation; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1444 Eleven Deteriorated Poles Replacements near Palm Springs, Riverside County, California, BIA – Agua Caliente Indian Reservation; Riverside County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1475 Install OH Facilities, Down-guy and Anchor - Lava 12kV near Amboy, San Bernardino County, BLM, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1543 Three Deteriorated Poles Replacement near Lucerne Valley, San Bernardino County, BLM Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 1544 One Deteriorated Pole Replacement near Twentynine Palms, San Bernardino County, BLM Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1545 Five Deteriorated Poles Replacement near Ludlow, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1546 Five Deteriorated Poles Replacement near Yermo, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1547 Fourteen Deteriorated Poles Replacement near Barstow, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1548 Three Deteriorated Poles Replacement near Mud Hills, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1549 Three Deteriorated Poles Replacement near Harper Lake, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 1550 Two Deteriorated Poles Replacement near Helendale, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1551 One Deteriorated Poles Replacement near El Mirage, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1552 Four Deteriorated Poles Replacement near Tecopa in the Pahrump Valley Wilderness Area, BLM Barstow Field Office, Inyo County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1553 Five Deteriorated Poles Replacement near the Excelsior Mine in the Pahrump Valley Wilderness Area, BLM Needles Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 1554 Eight Deteriorated Poles Replacement near Goleta, Ojai, and Fillmore, Los Padres National Forest, Santa Barbara and Ojai Ranger Districts, Santa Barbara and Ventura Counties, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 1555 Twelve Deteriorated Poles on Lands Administered by the Angeles National Forest, San Gabriel River Ranger District, Los Angeles and San Bernardino Counties; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1569 CR Hector 12kV Line Extension BLM Additional CR from CWA 897; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1640 Silverwood Lake #1, Install One Lightweight Steel Pole on the San Bernardino National Forest; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1641 Silverwood Lake #2, Install One Lightweight Steel Pole on the San Bernardino National Forest; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1642 Silverwood Lake #3, Remove One H-Frame and Install One Lightweight Steel Pole on the San Bernardino National Forest; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1643 Infrastructure Replacement and Deteriorated Pole Replacement along the Brookline 16kV in Whittier Narrows, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator.*

SCE CWA 1657 Remove and Replace Three H-Frame Structures, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1658 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1659 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1660 Remove and Replace One H-frame Structure (TD1093584), BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1661 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.. Coordinating/managing project to completion.*

SCE CWA 1662 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1663 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1668 One Deteriorated Poles on Lands Administered by the Angeles National Forest, Santa Clara/Mojave Rivers Ranger District, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1680 One Deteriorated Pole Replacement, San Bernardino National Forest, Arrowhead Ranger District, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1681 Nine Deteriorated Poles Replacement, San Bernardino National Forest, Big Bear Ranger District, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1682 Seven Deteriorated Poles Replacement, San Bernardino National Forest, San Gorgonio Ranger District, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1683 CR TD1107424 1 Deteriorated Pole LPNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1730 Two Deteriorated Poles near Big Pines, Angeles National Forest, Santa Clara/Mojave Rivers Ranger District, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1731 One Deteriorated Pole, Angeles National Forest, San Gabriel River Ranger District, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1732 One Deteriorated Pole Replacement near Baker, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1733 Two Deteriorated Poles near Trabuco Canyon, Cleveland National Forest, Trabuco Ranger District, Orange County, CA; Orange County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1734 One Deteriorated Pole within the Marine Corps Logistics Base, Barstow, Riverside County, CA, Department of Defense; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1735 Thirteen Deteriorated Poles near California Hot Springs and Springville, Sequoia National Forest, Kern River Ranger District, Tulare County, CA; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1736 One Deteriorated Pole near Banning, Riverside County, CA, Bureau of Indian Affairs-Morongo Indian Reservation; Riverside County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1737 One Deteriorated Pole near Bodfish, BLM Bakersfield Field Office, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1738 Nine Deteriorated Poles Replacement near Blythe, Desert Center, and Perris, Bureau Land Management, Palm Springs South Coast Field Office, Riverside County, CA; Riverside County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1739 Ten Deteriorated Poles Replacement near Idyllwild, San Bernardino National Forest, San Jacinto Ranger District, San Bernardino County, CA; Riverside County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1750 Twelve Deteriorated Poles near Forest Falls and Twin Peaks, San Bernardino National Forest, Arrowhead Ranger District, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1751 One Deteriorated Pole near Devore, San Bernardino National Forest, Cajon Ranger District, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1752 One Deteriorated Pole near Forest Falls, San Bernardino National Forest, San Gorgonio Ranger District, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1771 CRNR Priority 1 Pole 928428E Intrusive Inspection; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1834 One Deteriorated Pole Replacement near Palm Springs, Riverside County, California, Bureau of Indian Affairs – Agua Caliente Indian Reservation; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1835 One Deteriorated Pole near Lake Havasu on Lands Managed by the Bureau of Land Management, Havasu Field Office, San Bernardino County, California; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1836 Eight Deteriorated Pole Replacements, SBNF, San Jacinto Ranger District, San Bernardino County; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1837 Six Deteriorated Pole Replacements, San Bernardino National Forest, Arrowhead Ranger District, San Bernardino County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1838 Three Deteriorated Poles near Big Pines, Angeles National Forest, Santa Clara/Mojave Rivers Ranger District, Los Angeles County, California; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1839 One Deteriorated Pole near Alta Dena, Angeles National Forest, Los Angeles River Ranger District, Los Angeles County, California; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1840 Two Deteriorated Poles near Ponderosa and California Hot Springs within Sequoia National Forest, Western Divide Ranger District, Tulare County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1841 CR Four Deteriorated Poles near Rancho Santa Margarita, Cleveland National Forest, Trabuco Ranger District, Orange County, California; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1842 Six Deteriorated Poles near Bishop on Lands Administered by Inyo National Forest, White Mountain Ranger District, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1844 CRNRWQ Death Valley Pole Replacement Emergency; Inyo County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1845 Priority 1 Pole Intrusive Inspection, LPNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1862 Camp Paivika Emergency; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1875 Sheephole33kV Emergency BLM Bartsow; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1881 Infrastructure Replacement - Pickle Meadow 12kV (TD1011826) - Augment for Positive Findings; Mono County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1882 High Penetration PV Battery Siting, Desktop Assessment; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1893 Narrows Substation Battery Siting; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1899 20 Private Deteriorated Pole Projects; Riverside County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1902 Camden Substation Battery Siting; Orange County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1905 Fort Irwin Mirco Grid Desktop Analysis; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1906 CR Edom Hill/Palm Springs Tower Upgrade and Ridgecrest Tower Construction; Riverside County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1932 SUP 006 CRNR GIS TD697416 21 Det Poles SQNF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1934 SUP 002 CRNR GIS TD1064538, 5TDs, SQNF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1935 SUP 003 CRNR GIS TD1064538, TD1071907, TD1077320, SQNF; San Joaquin County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1936 SUP 004 CRNR TD1085926, TD1085931, TD1085939, TD1100946, SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1945 SUP 007 CRNR GIS 4 Det Poles SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1946 SUP 008 CRNR GIS 23 Det Poles SNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1948 Archaeological Support for TCO Crystal Cove State Park Routine Road Maintenance; Orange County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1952 Chino System Split Tower Construction; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

CWA 1953 SUP 009 CRNR GIS 1 Det Pole SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1954 SUP 010 CRNR GIS 9 Det Poles SNF; Fresno County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1955 SUP 011 CRNR GIS 12 Det Poles SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1963 Archaeological Environmentally Sensitive Area Staking for Vestal-Kern River 66kV Road Maintenance; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1964 SUP 012 CRNR GIS 2 Det Pole SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1965 SUP 013 CRNR GIS Det Poles MapGIS Support Request INF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1966 SUP 014 CRNR GIS Det Poles MapGIS Support Request SNF; Fresno County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1973 SUP 015 CRNR GIS Det Poles MapGIS Support Request SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1977 SUP 017 CRNR GIS Det Poles MapGIS Support Request SNF; Fresno County, California; Southern California Edison Company. *Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1978 SUP 018 CRNR GIS Det Poles MapGIS Support Request SQNF; Kern County, California; Southern California Edison Company. *Role Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1982 SUP 021 CRNR GIS SNF; Fresno County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1983 SUP 019 CRNR GIS ANF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1985 SUP 022 CRNR GIS SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1986 SUP 023 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1987 SUP 024 CRNR GIS SQNF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1988 CR BLM Desert District Site Recording Det Poles; Riverside County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 1992 SUP 025 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 1998 SUP 028 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2003 SUP 029 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2005 Priority 1 Pole Replacements, LPNF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2006 SUP 031 CRNR GIS SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2010 SUP 032 CRNR GIS SNF; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2013 SUP 030 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2014 SUP 033 CRNR GIS LPNF; Ventura County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2015 SUP 035 CRNR GIS LPNF; Santa Barbara County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2017 SUP 036 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2018 SUP 037 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2020 EHSync Archaeological Resources Clearance Support; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2021 EHSync Archaeological Resources Construction Support; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2027 SUP 040 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2031 SUP 041 CRNR GIS SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2032 SUP 044 CR NR GIS LPNF; Ventura County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2033 SUP 045 CRNR GIS SQNF; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2034 SUP 046 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2035 SUP 048 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2036 SUP 043 CRNR GIS LPNF; Ventura County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2037 SUP 049 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2038 SUP 050 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2041 SUP 052 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2042 SUP 053 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2045 SUP 054 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2048 SUP 055 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2049 SUP 056 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2051 SUP 058 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2052 SUP 057 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2055 SUP 059 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2056 SUP 060 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2057 SUP 061 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2058 Bio Pre-Review for SUP Projects; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2059 SUP 063 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2060 TD1222716 San Jacinto River Det Pole Project; Riverside County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion..*

SCE CWA 2061 SUP 062 NR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

CWA 2062 SUP 064 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2063 SUP 065 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2064 SUP 066 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

CWA 2065 SCE Emergency Pole Replacement ANF; Los Angeles County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2068 SUP 067 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2069 SUP 068 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2070 SUP 069 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2071 SUP 071 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2072 SUP 072 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2075 SUP 073 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2077 SUP 074 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2079 SUP 078 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion*

SCE CWA 2080 SUP 077 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2081 SUP 076 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2082 SUP 070 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2083 SUP 075 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2084 SUP 079 CRNR GIS SNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2085 SUP 080 CRNR GIS LPNF; County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2086 SUP 081 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2088 SUP 082 CRNR GIS SNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2089 SUP 083 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2090 SUP 084 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2091 SUP 085 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2094 SUP 086 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2102 SUP 087 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2103 SUP 088 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2105 SUP 089 CRNR GIS SNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2106 SUP 090 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2107 SUP 091 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2109 SUP 094 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2110 SUP 096 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2111 SUP 093 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2112 SUP 097 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2113 SUP 092 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2114 SUP 100 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2117 SUP 101 CRNR GIS SNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2118 SUP 102 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

CWA 2119 CRNR Emergency Primary Cable Replacement; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2120 SUP 107 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2121 SUP 108 CRNR GIS SBNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2122 SUP 106 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2123 SUP 105 CRNR GIS SBNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

CWA 2124 Emergency Work BLM Barstow; Barstow, San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2127 SUP 095 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2128 SUP 103 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2129 SUP 111 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2130 SUP 110 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2131 SUP 109 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2132 SUP 113 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

CWA 2134 SUP 112 CRNR GIS SBNF; San Bernardino County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2137 SUP 114 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

CWA 2138 NR Emergency Nest in Villa Park Substation; Orange County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2139 SUP 104 CRNR GIS SBNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2141 SUP 115 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2143 SUP 116 CRNR GIS CNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2144 SUP 117 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2145 SUP 119 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2146 SUP 118 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2147 SUP 122 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2148 SUP 121 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2149 SUP 124 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2150 SUP 123 CRNR GIS SNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2151 SUP 120 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 2152 SUP 125 CRNR GIS INF; Multiple Counties, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 575 - Five Deteriorated Poles Replacement Project, BLM Bakersfield Field Office, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 655 Five Deteriorated Poles Replacement Project, BLM Bakersfield, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

SCE CWA 800 Two Deteriorated Poles Replacement Project, BLM Bakersfield, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Principal Investigator. Coordinating/managing project to completion.*

Estrella Substation and Paso Robles Area Reinforcement Project; Paso Robles, San Luis Obispo County, California; Confidential Client. CONFIDENTIAL

Inland Empire Utilities Agency Water Quality Laboratory and Chiller Plant Expansion; San Bernardino County, California; Kemp Brothers Construction. *Role: Principal Investigator. Coordinating/managing project to completion.*

## Bibliography

Wetherbee, Matthew, Laura Hoffman, Steven Treffers

2017 Cultural Resources Inventory Report for the Southern California Edison Fort Irwin Reliability Project, San Bernardino, California. Prepared for BLM Barstow.

Wetherbee, Matthew, and Mary Ann Vicari

2016 Archaeological Survey Report for Southern California Edison's Replacement of Five Wooden H-Frame Structures (10 Poles) Along the Kramer-Coolwater 115kV Circuit (TD1093584, TD1093595, TD109360, and TD1093611), Bureau of Land Management, Barstow Field Office, San Bernardino County, California.

Wetherbee, Matthew, and Mary Ann Vicari

2016 Archaeological Survey Report for Southern California Edison's Replacement of Four Wooden H-Frame Structures (8 Poles) Along the Kramer-Tortilla 115kV Circuit (TD837898, TD1089810, and TD1090476), Bureau of Land Management, Barstow Field Office, San Bernardino County, California.

Wetherbee, Matthew, and Alyssa Newcomb

2016 Cultural Resources Report for Southern California Edison's Proposed Replacement of One Deteriorated Pole (TD936844) within the Department of Defense-Marine Corps Logistics Base near Yermo, San Bernardino County, California.

Wetherbee, Matthew, Elizabeth Denniston

2016 Cultural Resources Monitoring Report for Southern California Edison's Emergency Replacement of One Deteriorated Pole and Two Ancho and Guy Wire Installations Located in Barstow on Lands Administered by the Bureau of Land Management, Inyo County, California.

Wetherbee, Matthew

2016 Letter Report for Cultural Resources Survey of Southern California Edison's Emergency Response Pole Replacement Project along the Sheephole 33kV near Amboy. BLM Barstow, San Bernardino County, California.

Wetherbee, Matthew, and Aaron Elzinga

2017 Archaeological Site Recordation Report for Southern California Edison's Deteriorated Pole Program (TD1028025 and TD624584), Bureau of Land Management, Barstow Field Office, Inyo County, California.

2017 Archaeological Site Recordation Report for Southern California Edison's Deteriorated Pole Program (TD1028110 and TD1084204), Bureau of Land Management, Barstow Field Office, San Bernardino County, California.

2017 Archaeological Site Recordation Report for Southern California Edison's Deteriorated Pole Program (TD836593), Bureau of Land Management, Palm Springs-South Coast Field Office, Riverside County, California.

Wetherbee, Matthew

2017 Letter Report for Cultural Resources Survey of Southern California Edison's Emergency Response Pole Replacement Project along the Remote 33kV Distribution Circuit; BLM Barstow, San Bernardino County, California.

## Publications

2003 "Making a Duck Mummy and Discovering a Secret of the Ancient Technology," in *KMT: A Modern Journal of Ancient Egypt*, Vol.15(2).

## Conference Papers

2012 Bolsa Chica Archaeology Part 6: Foodstuff: A Comprehensive Zooarchaeological Investigation of the Bolsa Chica Mesa.

2008 "Small Game Procurement and Processing at Tomato Springs." Society for California Archaeology (SCA) Symposium, Burbank, CA.

2007 "Zooarchaeological Evidence from Three Late Prehistoric Sites in the Northern Coachella Valley." Coachella Valley Archaeological Society Symposium at College of the Desert, Palm Desert, CA.

2000 "Recipe for the Afterlife," Mummification in Ancient Egypt. American Research Center in Egypt conference at U.C. Berkeley, CA.

# Resumes to Support Field Director Position

## JULIA CARVAJAL, B.S., CULTURAL RESOURCES SPECIALIST

Ms. Carvajal has over 7 years of experience in archaeology, including both cultural resource management and academic projects. She has worked in both the public and private sectors for clients such as Southern California Edison, Caltrans, and the US Army. Ms. Carvajal has conducted cultural resources work throughout Southern California, Nevada, Oregon, and North Dakota in support of compliance with CEQA, NEPA, and Section 106 of NHPA.

Ms. Carvajal exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Field Director. She has a bachelor's degree in Anthropology, with an emphasis in Cultural Resource Management, she is currently pursuing her master's degree in Anthropology, and meets the minimum amount of professional experience as a Field Director. Ms. Carvajal's technical skills include archaeological survey, excavation, and site testing. She has extensive experience with hand held Trimble GPS units and office based data manipulation. She has authored site records and technical reports detailing the results of cultural resources work. Ms. Carvajal has also had thorough training in artifact analysis, with specialized experience and interest in paleobotanical analysis.

YEARS OF EXPERIENCE	7
EXPERTISE	Archaeological survey, testing, and data recovery Flotation and paleobotanical analysis
EDUCATION	Archaeological Field School; California State University, San Bernardino, Big Bear, California, 2010 B.S., Anthropology; California State Polytechnic University; 2010
PERMITS	U.S. Bureau of Land Management Cultural Resource Use Permit (CA-14-19), Field Director; CA
MEMBERSHIPS	Member, Society for California Archaeology Member, Society of Ethnobiology

### SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

**ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Cultural Resources Specialist (128 Days).*

**ACE San Gabriel Trench Cultural Resources Management Services; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National and California Registers listed San Gabriel Mission site. *Role: Cultural Resources Specialist (36 days).*

**Anaconda Wire Site Archaeological; Orange County, California; Confidential Client.** CONFIDENTIAL *Role: Field Director (8 days).*

**Barrick Arturo Bootstrap Haul Road Sites Mitigation; Elko County, Nevada; Barrick Goldstrike Mines Inc..** Barrick Gold Exploration contracted SWCA to prepare data recovery treatment plans for four prehistoric archaeological sites and conduct cultural resource mitigation at these sites under the jurisdiction of Section 106 of the NHPA. SWCA

archaeologists also conducted a cultural resource inventory to identify any cultural resources that might be affected by expansion of a transmission line in the same area. *Role: Cultural Resources Specialist (30 Days).*

**NAVFAC SW TO3 Barstow ICRMP Update; Barstow, San Bernardino County, California; NAVFAC SW.** SWCA completed 7 ELINs related to update of the Barstow ICRMP. These services include historic resources survey and evaluation, archaeology, and reporting. *Role: Field Director (5 days).*

**Bayshore A, B, and C Pre-Construction Bio Surveys; Lancaster, Los Angeles County, California; sPower (Sustainable Power Group).**

**Camino Solar Environmental Support; Kern County, California; Aurora Solar, LLC.** SWCA is providing technical studies and permitting support for this proposed 44-MW solar PV project. SWCA prepared a Plan of Development (POD) in compliance with the BLM's guidelines for solar energy development, and Conditional Use Permit application for Kern County. Field studies conducted to date include a delineation of potentially jurisdictional waters to allow the project to avoid lengthy permitting for impacts to jurisdictional waters. SWCA is currently preparing an entitlement package to support an application for a Conditional Use Permit from Kern County, and conducting biological studies at the site. Camino Solar will be one of the first renewable energy projects permitted through the Desert Renewable Energy Conservation Plan (DRECP). *Role: Cultural Resources Specialist/GIS Specialist*

**City of Colton Industrial Project Environmental Impact Report; San Bernardino County, California; PlaceWorks.** A 6-acre industrial project at the southwest corner of Agua Mansa Road and Rancho Avenue in the City of Colton. SWCA provided historic, cultural resources, and paleontological resources study for the project site. *Role: Field Director (1 Day), Cultural Resources Specialist (4 Days).*

**Cultural Resources Study for Konocti County Water District Raw Water Intake and Pump Station Replacement Project; Washoe County, Nevada; McGinnis and Associates.** McGinnis and Associates LLC retained SWCA to provide environmental support services, including cultural resources studies in support of the Konocti County Water District Water Treatment Plant Project located in the city of Clearlake in Lake County, California. This consisted of a cultural resources records search and literature review, Native American coordination, a cultural resources survey, and preparation of a cultural resources technical report. *Role: Field Director (1 Day)*

**CSUSB Cultural, Biological, and Paleo Support for Master Plan; San Bernardino County, California; WSP Parsons Brinckerhoff.** *Role: Cultural Resources Specialist/GIS Specialist*

**SCE CWA 1011 Emergency Postcon Assessment, Lucerne Valley; San Bernardino County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 1047 Five Deteriorated Poles on the San Bernardino National Forest, San Bernardino and Riverside Counties, CA; San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1137 One Deteriorated Pole on the BLM Palm Springs Land, Riverside County, CA; Riverside County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 1139 Five New Meter Structures near Twentynine Palms, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 1147 Silverwood Lake Emergency; San Bernardino County, California; Southern California Edison Company.** *Role: Field Director (2 Days)*

**SCE CWA 1174 Pardee-Vincent No. 2 Re-conductor Project, Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company.** *Role: Field Director (15 Days)*

**SCE CWA 1183 Ten Deteriorated Poles Replacement Project, Sequoia National Park, Kern and Tulare County, CA; Kern County, California; Southern California Edison Company.** *Role: Field Director (2 Days)*

**SCE CWA 139 Calico Ghost Town Emergency Response Support; San Bernardino County, California; San Bernardino County, California; Southern California Edison Company.** *Role: Field Director (2 Days)*

**SCE CWA 1569 CR Hector 12kV Line Extension BLM Additional CR from CWA 897; San Bernardino County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 1630 Archaeological Monitoring for Trancas and Zuma Canyons Vicinity Transmission Civil Operations Road Grading and Brushing; Los Angeles County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 173 Emergency Response, Inyo National Forest; Inyo County, California; Southern California Edison Company.** *Role: Field Director (5 Days)*

**SCE CWA 179 Tulare 12 Solar Facility Interconnection; Tulare County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 1813 Erskine Fire Emergency; Kern County, California; Southern California Edison Company.** SCE contracted SWCA to perform emergency monitoring. *Role: Cultural Resources Specialist (5 days)*.

**SCE CWA 188 One Deteriorated Pole Replacement, Los Padres National Forest; Monterey County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 196 TD720881 BLM Barstow Det Pole; Death Valley, Inyo County, California; Southern California Edison Company.** *Role: Field Director (2 Days)*

**SCE CWA 1966 SUP 014 CRNR GIS Det Poles MapGIS Support Request SNF; Fresno County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 1988 CR BLM Desert District Site Recording Det Poles; Riverside County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 200 CR SAP901158275 Four Anchor Replacements BLM Barstow; Barstow, San Bernardino County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 2020 EHSync Archaeological Resources Clearance Support; Multiple Counties, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2021 EHSync Archaeological Resources Construction Support; Multiple Counties, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2024 EHSync Bio Resources Clearance Support, Rachael and Public Lands Regions; Multiple Counties, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2038 SUP 050 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2041 SUP 052 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2043 CR Reports Deliverables Database Entry; Multiple Counties, California; Southern California Edison Company.** SWCA uploaded 150 of our cultural reports to the Archaeology Program Deliverable database at the request of SCE. *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2045 SUP 054 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2047 Transmission Civil Operations; Multiple Counties, California; Southern California Edison Company.** CWA 2047 reflects the Southern California Edison TCO program for annual road grading along the distribution or transmission circuit lines throughout SCE service territory. There are multiple components to CWA 2047, such as project creation for GIS maps and files, Biological pre-reviews for the specified project, and Construction support, such as preconstruction surveys and monitoring in order to follow the biological clearance measures issued. *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2049 SUP 056 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2053 CRNR Emergency Pole Replacement, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 2054 CRNR Emergency Pole Replacement on Private Lane, City of Rialto, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2055 SUP 059 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2056 SUP 060 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

CWA 2065 SCE Emergency Pole Replacement ANF; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2070 SUP 069 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2071 SUP 071 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company *Role: Cultural Resources Specialist/GIS Specialist.*

CWA 2076 CRNR Emergency Pole Replacement Silverwood Lake; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2079 SUP 078 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2081 SUP 076 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2083 SUP 075 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2085 SUP 080 CRNR GIS LPNF; County, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2091 SUP 085 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2094 SUP 086 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2102 SUP 087 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2103 SUP 088 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2110 SUP 096 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2111 SUP 093 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2112 SUP 097 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2113 SUP 092 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2117 SUP 101 CRNR GIS SNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

CWA 2124 Emergency Work BLM Barstow; Barstow, San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 2127 SUP 095 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2128 SUP 103 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 2132 SUP 113 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist.*

SCE CWA 307 2 Deteriorated Poles in Topanga State Park (TD772869 and TD707414), Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 308 7 Deteriorated Poles (TD724992 and TD724994TL), Malibu Creek State Park, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 310 1 Deteriorated Pole (TD713594) Santa Monica Mountains Conservancy, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 319 Four Deteriorated Pole Project (TD819171), San Bernardino National Forest, Big Bear Ranger District; San Bernardino County, California; Southern California Edison Company. *Role: Field Director (2 Days)*

SCE CWA 321 Two Deteriorated Pole Project (TD781800), San Bernardino National Forest, Big Bear Ranger District; Riverside County, California; Southern California Edison Company. *Role: Field Director (2 Days)*

SCE CWA 341 Etiwanda Fire Emergency Response; Etiwanda, San Bernardino County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 356 1 Deteriorated Pole (TD805967), Malibu Creek State Park, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 375 Emergency Pole Replacement Sequoia NF; Sequoia National Forest, Tulare County, California; Southern California Edison Company. *Role: Field Director (5 Days)*

SCE CWA 407 Two Deteriorated Poles (TD725502), Malibu Creek State Park, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 410 CRNRWQ TD845502 Pole 468978E Relocation Project; Victorville, California; Victorville, San Bernardino County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 450 Microwave Path Clearing\_SNF; Tulare County, California; Southern California Edison Company. *Role: Field Director (3 Days)*

SCE CWA 455 Havilah Substation Construction Cultural Monitoring; Kern County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 460 48 Deteriorated Poles on the Angeles National Forest, Los Angeles and San Bernardino Counties; Los Angeles And San Bernardino Counties, California; Southern California Edison Company. *Role: Field Director (3 Days)*

SCE CWA 507 White Mountain Substation Monitoring for the Replacement of One Pole in the Inyo National Forest; Inyo County, California; Southern California Edison Company. *Role: Field Director (3 Days)*

SCE CWA 525 CR TD727950 1 Det Pole China Lake NAWS; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 532 Zack Substation Expansion, North of Bishop, Inyo County; Inyo County, California; Southern California Edison Company. *Role: Field Director (2 Days)*

SCE CWA 568 Wrightwood Tree Removal Monitoring, Angeles National Forest, San Bernardino County; San Bernardino County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 621 Archaeological Monitoring of Ground Disturbing Activities near Site CA-LAN-1061/H, Santa Monica, Los Angeles County; Los Angeles County, California; Southern California Edison Company. *Role: Field Director (5 Days)*

SCE CWA 624 SAP 801049598 Devers Substation Monitoring; Riverside County, California; Southern California Edison Company. *Role: Field Director (16 Days)*

SCE CWA 629 Fogarty Substation Getaway Install Archaeological and Paleontological Monitoring, Riverside County; Riverside County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 650 San Bernardino National Forest Emergency, Tenderfoot 12kv, Big Bear; San Bernardino County, California; Southern California Edison Company. *Role: Field Director (5 Days)*

SCE CWA 669 Annual Capacitor Replacement near Benton, Mono County, CA; Mono County, California; Southern California Edison Company. *Role: Field Director (2 Days)*

SCE CWA 741 Devers Substation Perimeter Wall Expansion Survey, Palm Springs, Riverside County; Palm Springs, Riverside County, California; Southern California Edison Company. *Role: Field Director (3 days)*

SCE CWA 751 CR Additional Labor for CWA 624 - Devers Substation; Riverside County, California; Southern California Edison Company. *Role: Field Director (4 Days)*

SCE CWA 778 CRNR Emergency Removal of Two Trees in SQNF; Tulare County, California; Southern California Edison Company. *Role: Field Director (2 Days)*

SCE CWA 787 One Deteriorated Pole within the CDFW, San Bernardino Mountains Wildlife Corridor, San Bernardino County; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist*

SCE CWA 789 Two Deteriorated Poles within the CDFW, San Jacinto Wildlife Area, Riverside County; Riverside County, California; Southern California Edison Company. *Role: Field Director (1 Day)*

SCE CWA 811 CRNRWQ Juniper 12kV Relocation and Removal; Riverside County, California; Southern California Edison Company. *Role: Field Director (5 days)*

SCE CWA 850 Four Deteriorated Poles on Lands Managed by the BLM, Palm Springs District, Riverside County; Riverside County, California; Southern California Edison Company. *Role: Cultural Resources Specialist*

Eaton Terrace Project Lot 16 Archaeological Survey; Los Angeles, Los Angeles County, California; LAH Eaton LLC. *Role: Cultural Resources Specialist/GIS Specialist*

EI WA 004 SNF Monitoring; Fresno County, California; Environmental Intelligence, LLC. *Role: Cultural Resources Specialist (5 days)*

SCE Kramer-Holgate Transmission Line Environmental Impact Evaluation; Multiple Counties, California; Southern California Edison Company.

SCE Victor-Savage 2 Transmission Line Environmental Impact Evaluation; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist/GIS Specialist*

HP Jr. Arts Center Evaluation; Los Angeles, Los Angeles County, California; City of Los Angeles. *Role: Cultural Resources Specialist/GIS Specialist*

HSR CP4 Pre-Construction Archaeological and Built Environment Support; Multiple Counties, California; Confidential Client. *Role: Cultural Resources Specialist/GIS Specialist*

Inland Empire Utilities Agency Water Quality Laboratory and Chiller Plant Expansion; San Bernardino County, California; Kemp Brothers Construction. *Role: Cultural Resources Specialist/GIS Specialist*

LA Plaza Analysis, Reburial, and Boundary Testing; Los Angeles, Los Angeles County, California; County of Los Angeles. SWCA conducted cultural test excavation units for excavation activities. *Role: Cultural Resources Specialist*

**LA Plaza Cultura Village Archaeology; Los Angeles County, California; La Plaza Village, LLC.** SWCA was hired to conduct cultural resource monitoring in downtown Los Angeles. *Role: Cultural Resources Specialist (3 days).*

**LA Plaza Archaeological and Native American Monitoring; Los Angeles, Los Angeles County, California; County of Los Angeles.** *Role: Cultural Resources Specialist (1 day).*

**Cochran Adams Relief Sewer Cultural and Paleontological Studies; Los Angeles County, California; City of Los Angeles, Department of Public Works - Bureau of Engineering.** *Role: Cultural Resources Specialist.*

**Lake Elsinore Lakeshore Town Center Permitting; Riverside County, California; Mebo Properties Development LLC.** SWCA is working with Mebo Properties Development, LLC, to perform biological, jurisdictional waters, cultural, and paleontological resources studies on approximately 25 of combined dry land and lake acres. The studies will support the preparation of an EIR for the development of recreation, business, and residential use of the property. The project is located with the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) area, and so impacts to biological resources will be permitted through the Riverside Conservation Authority (RCA). SWCA has conducted biological field studies and a jurisdictional delineation, and prepared a biological resources technical report that meets the MSHCP technical requirements. SWCA is currently coordinating with the RCA to develop a unified approach to project permitting with respect to jurisdictional waters. *Role: Field Director (1 Day)*

**LAPD Metro Potential Archaeological Discovery; Los Angeles County, California; Turner/JGM a Joint Venture.** SWCA conducted a site visit to assess the archaeological materials that have been uncovered. The assessment will include visual inspection of the materials and their point of origin, mapping using a submeter accurate Global Positioning System (GPS) unit, photodocumentation, and detailed notes. *Role: Field Director (3 days).*

**Lost Canyons Archaeological & Paleontological Monitoring; Simi Valley, Ventura County, California; Lost Canyons, LLC.** *Role: Field Director (2 days).*

**Meadows Field Airport Categorical Exemption Environmental Support; Bakersfield, Kern County, California; Coffman Associates, Inc..** SWCA is conducting biological and cultural resource surveys at BFL to support categorical exemption for the airport's Runway Reconstruction and Drainage Improvements Project. *Role: Cultural Resources Specialist (2 days).*

**Mojave Solar Project Paleontological Reporting; San Bernardino County, California; CH2M Hill.** *Role: Cultural Resources Specialist.*

**Coachella Flats Wind Energy Repower Environmental Surveys; Palm Springs, Riverside County, California; Confidential Client.** *Role: Cultural Resources Specialist (7 Days).*

**OTO Hotels Santa Monica Archaeological and Paleontological Services; Santa Monica, Los Angeles County, California; OTO Development, LLC.** SWCA provided paleontological monitoring and mitigation services during construction excavations and grading. Services included implementation of a paleontological mitigation monitoring program and reporting. *Role: Cultural Resources Specialist.*

**Penmar Water Quality Improvement Phase II Archaeological Monitoring; Los Angeles County, California; City of Los Angeles.** SWCA was retained by the City of Los Angeles to prepare a Cultural Resources Mitigation Monitoring Plan for a project involving the installation of water treatment system at Penmar Golf Course, Penmar Recreation Center, and Marine Park. Plan describes procedural framework to identify, evaluate, and treat any cultural resources encountered during construction monitoring. *Role: Cultural Resources Specialist/GIS Specialist.*

**POLA Berths 226-236 Evergreen Container Terminal EIR/EIS; Los Angeles, Los Angeles County, California; CDM Smith, Inc..** Under contract to CDM Smith, SWCA conducted a built environment/historic resources survey and evaluation and an archaeological survey, Extended Phase I Investigation, and evaluation project in support of the proposed Everport Container Terminal Development Project located at Berths 226-236 on Terminal Island, Port of Los Angeles, in Los Angeles County, California. This study includes the results of background research, an intensive-level field survey, extended Phase I testing and preparation of a historic resources survey report. *Role: Cultural Resources Specialist/GIS Specialist.*

**SCE CWA 113 TD749069, TD749131 Two Poles in Castaic and Santa Clarita; Los Angeles County, California; Southern California Edison Company.** *Role: Field Director (1 Day)*

**SCE CWA 58 CRNR Silver Fire Emergency Response; Banning, Riverside County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist (2 Days)*

**Suncrest Project Environmental Planning and Compliance Services; Multiple Counties, California; Confidential Client. CONFIDENTIAL**  
*Role: Field Director (1 Day)*

**Valentine Environmental Impact Report; Kern County, California; Provost & Pritchard Consulting Group.** SWCA was retained first by Provost & Pritchard Consulting Group, and later directly by EDF RE, to provide biological, cultural, and paleontological resources services in support of the Valentine Solar Project located on 2,000 acres in Kern County, California. SWCA's primary efforts were to provide a Biological Constraints Analysis (BCA) of the project area, which was used to refine the preliminary design of the project. Following preparation of the BCA, SWCA conducted full technical studies for biological, cultural, and paleontological field surveys to support the preparation of an Environmental Impact Report (EIR) and other permitting requirements. Natural resources studies conducted include surveys for nesting birds, burrowing owls, desert tortoise, special-status plants, vegetation communities, and jurisdictional waters. *Role: Cultural Resources Specialist.*

**Valentine Solar Project Initial Studies; Rosamond, Kern County, California; Provost & Pritchard Consulting Group.** SWCA was retained by Provost & Pritchard Consulting Group to provide natural and cultural resources technical studies for a 2,000-acre solar PV project on private lands in the Antelope Valley. Surveys conducted to date include archaeological and paleontological surveys, and focused biological resources surveys for desert tortoise, rare plants, nesting raptors, burrowing owl, and jurisdictional waters. *Role: Cultural Resources Specialist (8 days).*

**Valentine Solar Project Waters Permitting Support; Kern County, California; Confidential Client. CONFIDENTIAL**  
*Role: Cultural Resources Specialist/GIS Specialist.*

**Cajon Wash Environmental Services; Los Angeles County, California; Frontier Communications.** *Role: Cultural Resources Specialist/GIS Specialist.*

**Washington National Archaeological and Paleontological Monitoring (Access Culver City); Culver City, Los Angeles County, California; GDCV Culver City, LLC.** SWCA implemented an archaeological and paleontological mitigation monitoring program during project grading, as well as archaeological feature and artifact identification, recordation, and recovery; laboratory preparation, identification, analysis, and curation preparation of archaeological materials; and reporting. *Role: Cultural Resources Specialist (2 Days).*

**S1540 INF, Sabrina Lake Project; Bishop, Inyo County, California.** Inland Environmental Associates, as a subcontractor of SWCA, implemented an archaeological survey, as well as archaeological feature and artifact identification, recordation, and reporting. *Role: Field Director (5 Days).*

**SCE Deteriorated Pole Project.** Inland Environmental Associates, as a subcontractor of SWCA, implemented an archaeological survey, as well as archaeological feature and artifact identification, recordation, and reporting. *Role: Field Director (30 Days).*

**Rite Aid Project, San Bernardino County, California.** Duke CRM conducted archaeological survey and monitoring, as well as archaeological feature and artifact identification, recordation, and reporting. *Role: Field Director (16 Days).*

**Cajalaco Solar, Riverside County, California.** CRM Tech conducted archaeological survey and monitoring, as well as archaeological feature and artifact identification, recordation, and reporting. CRM Tech also assisted in the relocation and mitigation of several features in conjunction with the water district. *Role: Field Director (20 Days).*

**Lassen Hydro Electric Project, Lassen County, California.** Tetra Tech conducted archaeological survey, as well as archaeological feature and artifact identification, recordation, and reporting. *Role: Field Director (14 Days).*

**Palmdale Solar Project, Riverside County, California.** Applied Earthworks conducted archaeological survey, as well as archaeological feature and artifact identification, recordation, and reporting. *Role: Field Director (10 Days).*

Name: Julia Carvajal (Field Director)

### Prehistoric/Historic Resources

Project Name	Location	Duties (e.g., field, lab, report)	Employer/ Sponsor	Duration (days/weeks/months)
NAVFAC SW TO3 Barstow ICRMP Update	Barstow, San Bernardino County, CA	Field work, report	SWCA	Field (5 days)
SCE Deteriorating Pole Replacement Project	Various locations throughout CA	Field Work, Report	SWCA	Field (135 Days)
S1540 INF Sabrina Lake	Bishop, Inyo County, CA	Field Work, Report	Inland Environmental	Field (5 days)
Camino Solar Environmental Support	Kern County, CA	Field Work	SWCA	Field (1 day)
City of Colton Industrial Project	San Bernardino County, CA	Field work	SWCA	Field (1 day)
Cultural Resources study for Konocti County	Lake County, CA	Field work	SWCA	Field (5 days)
Lakeshore Town Center	Riverside County, CA	Field work	SWCA	Field (1 day)
SCE Deteriorating Pole Replacement Project	Various Locations, CA	Field work, Report	Inland Environmental	Field (30 days)
Lost Canyons Archaeological	Ventura County, CA	Field Work	SWCA	Field (2 days)
LAPD Metro	Los Angeles County, CA	Field Work	SWCA	Field (3 days)
Anaconda	Los Angles County, CA	Field work	SWCA	Field (8 days)
Rite Aid	San Bernardino County, CA	Field work	Duke CRM	Field (16 days)
Cajalaco Solar	Riverside County, CA	Field work	CRM Tech	Field (20 days)

Lassen Hydro Electric	Lassen and Shasta Counties, CA	Field work	Tetra Tech	Field (14 days)
Palmdale Solar	Riverside County, CA	Field work, lab	Applied Earthworks	Field (10 days)
Total				283 days (14 months, 3 days)

# AARON ELZINGA, M.A., ARCHAEOLOGIST

Aaron Elzinga is an archaeologist at SWCA's Pasadena, California office. Mr. Elzinga has more than ten years of experience in archaeology, both in cultural resource management (CRM) and for academic projects. He has gained a wide variety of archaeological field experience throughout California and Mexico, and is proficient in multiples stages of archaeological mitigation including monitoring, surveying, excavating, and general laboratory analysis. Mr. Elzinga's thesis research focused on stone tool manufacture in Baja California, and he has an expertise in specialized lithic analysis. In addition, Mr. Elzinga has regularly acted as a field supervisor for many phases of archaeological projects, and has experience recording sites and preparing technical reports. He has extensive experience with a total station digital mapping unit and hand-held Trimble GPS units, including office-based data manipulation. He has worked on a number of utility projects, including surveys, excavations, and monitoring for operations and maintenance work.

SELECTED PROJECT EXPERIENCE (* denotes project experience prior to SWCA)	
<b>YEARS OF EXPERIENCE</b>	12
<b>EXPERTISE</b>	Cultural resources management; Report preparation Archaeological surveys; Archaeological surveys and mitigation Native American coordination Specialized lithic analysis Surveys; prehistoric California archaeology
<b>EDUCATION</b>	M.A. with distinction, Anthropology e: Public Archaeology; California State University, Northridge (CSUN); 2011 B.A. cum laude, Anthropology; California State University, Northridge (CSUN); 2007

**405-409 S 1st St. Lompoc Archaeological Monitoring; Lompoc, Santa Barbara County, California; Southern California Gas.** SWCA was retained to provide archaeological monitoring in support of a gas line replacement project, which was subject to compliance with the provisions of CEQA and City of Lompoc Ordinance No. 1521. Records search data indicated that the project was located less than 1 kilometer northeast of the original location of Mission La Purisima Concepción. SoCal Gas requested that all ground-disturbing activities be monitored by a qualified archaeologist. *Role: Archaeologist.*

**ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Cultural Resources Specialist. Archaeological monitor and crew member.*

**ACE San Gabriel Trench Cultural Resources Management Services; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National and California Registers listed San Gabriel

Mission site<1>.</1> *Role: Cultural Resources Specialist. Archaeological monitor and crew member.*

**Anaconda Wire Site Archaeological; Orange County, California; Confidential Client. CONFIDENTIAL** *Role: Cultural Resources Specialist.*

**BLM SEZ Sample Surveys; Riverside County, California; U.S. Bureau of Land Management.** SWCA carried out cultural resource studies for selected Solar Energy Zones (SEZs) across multiple field offices in Arizona, California, and Nevada. This multi-state study is designed to assist federal land managers in predicting the density, distribution, and types of resources present in the various SEZs. Coordinating across regional SWCA offices and consulting with in-state BLM personnel, SWCA developed sampling plans and performed Class II cultural resource inventories and evaluations. *Role: Cultural Resources Specialist. Conducted surveys and recorded sites in California.*

**Blythe Solar Power Project Unit 1 Paleontology Monitoring; Riverside County, California; AECOM Technical Services, Inc..** *Role: Archaeologist.*

**PERMITS**

U.S. Bureau of Land Management  
Cultural Resource Use Permit (CA-14-19), Field Director; CA

**TRAINING**

24-Hour HAZWOPER Certified

**MEMBERSHIPS**

Member, Society for California  
Archaeology

**Blythe Solar Power Project Unit 2 Paleontological Resources Monitoring; Blythe, Riverside County, California; Dudek.** *Role: Archaeologist.*

**Burns McDonnell Panoche Valley Solar Project Surveys and Monitoring Support; San Benito County, California; Burns & McDonnell Engineering Company, Inc.. *Role: Archaeologist.***

**Caltrans Willits By-Pass Project Admin Record; San Francisco, San Francisco City And County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Camino Solar Environmental Support; Kern County, California; Aurora Solar, LLC.**

SWCA is providing technical studies and permitting support for this proposed 44-MW solar PV project. SWCA prepared a Plan of Development (POD) in compliance with the BLM's guidelines for solar energy development, and Conditional Use Permit application for Kern County. Field studies conducted to date include a delineation of potentially jurisdictional waters to allow the project to avoid lengthy permitting for impacts to jurisdictional waters.

SWCA is currently preparing an entitlement package to support an application for a Conditional Use Permit from Kern County, and conducting biological studies at the site. Camino Solar will be one of the first renewable energy projects permitted through the Desert Renewable Energy Conservation Plan (DRECP). *Role: Archaeologist.*

**Camp Verdugo Oaks Archaeological Impact Assessment; Los Angeles County, California; Boy Scouts of America.** *Role: Archaeologist.*

**Chevron Birch Hills Archaeological and Paleontological Monitoring; Brea, Orange County, California; Chevron Land and Development Company.** SWCA conducted cultural and paleontological monitoring services for excavation and grading activities. *Role: Cultural Resources Specialist.*

**City of Colton Industrial Project Environmental Impact Report; San Bernardino County, California; PlaceWorks.** A 6-acre industrial project at the southwest corner of Agua Mansa Road and Rancho Avenue in the City of Colton. SWCA provided historic, cultural resources, and paleontological resources study for the project site. *Role: Archaeologist.*

**City of Hope Specific Plan and Environmental Impact Report; Duarte, Los Angeles County, California; PlaceWorks.** *Role: Archaeologist.*

**CSUSB Cultural, Biological, and Paleo Support for Master Plan; San Bernardino County, California; WSP Parsons Brinckerhoff.** *Role: Archaeologist.*

**SCE CWA 1043 TD722775 H-Frames, 3 Pole Structure; Bishop; Mono County, California; Southern California Edison Company.** SWCA conducted a cultural resources survey and monitoring in support of SCE's proposed project to replace poles and upgrade overhead switches, and produced a technical report of the findings. *Role: Archaeologist.*

**SCE CWA 107 CRPR San Fernando Substation Testing; San Fernando, Los Angeles County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**SCE CWA 1071 Retention Wall Installation Hungry Valley State Vehicular Recreation Area, Los Angeles County; Los Angeles County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1134 Four Deteriorated Pole Replacements near Ojai and Fillmore, Los Padres National Forest, Ventura County, CA; Ventura County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1144 TD722775 Bishop Change Order; Inyo County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1183 Ten Deteriorated Poles Replacement Project, Sequoia National Park, Kern and Tulare County, CA; Kern County, California; Southern California Edison Company.** *Role: Archaeologist.*

SCE CWA 1201 Valley Ivy Glen Laydown Yards, Riverside County, CA; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1231 Two Deteriorated Poles Replacement on the Erskine 12kV and Tungsten 12kV Circuits near Lake Isabella, Sequoia National Forest, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1239 CRNRWQ TD1056317 Kinsey 12kV, UG Primary Cable Replacement ANF; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1257 Washout Repair, Kinsey 12kV UG, Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 131 San Fernando Substation Boring - Cultural and Paleontological Resources Monitoring; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1375 Grapevine 12kV Damaged Pole Replacement near Scotty's Castle, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1403 Thirty-Seven Deteriorated Poles Replacement near Johannesburg, Kern and San Bernardino Counties, BLM, Ridgecrest Field Office, California; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1408 Two Deteriorated Poles Replacement near Ridgecrest, Kern County, BLM, Ridgecrest Field Office; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1409 One Deteriorated Pole Replacement near Kramer Junction, San Bernardino County, BLM, Ridgecrest Field Office; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1413 Five Deteriorated Pole Replacements near Amboy, San Bernardino County, BLM, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1414 Six Deteriorated Pole Replacements near Twentynine Palms, San Bernardino County, BLM, Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1420 Capital On Ramp - Eagle Mountain Blythe 161kV 2nd Round Monitoring, Blythe, San Bernardino County, CA; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 143 One Deteriorated Pole, SQNF; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 147 One Deteriorated Pole in SQNF; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1475 Install OH Facilities, Down-guy and Anchor - Lava 12kV near Amboy, San Bernardino County, BLM, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1479 Emergency Water Repair Catalina Island; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1499 Amargosa 33kV - Plant Betterment/Upgrading Distribution Facilities on Land Administered by BLM, Barstow, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1547 Fourteen Deteriorated Poles Replacement near Barstow, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1556 Monitoring Support for the Zack Substation Expansion Project – Geotech Testing, Mono County, CA; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 156 CR WDT409 Agincourt Solar and WDT421 Marathon Solar; Barstow, San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1573 CR Catalina Gas Line Emergency Crescent Avenue; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1585 Zack Substation Expansion Project - Cultural Resources Technical Study, Mono County, CA; Mono County, California; Southern California Edison Company. SWCA provided intensive archaeological survey and site testing for proposed substation expansion. Work included Phase II testing and CRHR evaluation of prehistoric archaeological site. *Role: Archaeologist.*

SCE CWA 1596 CRNR Emergency Post Construction Survey for Shoshone 33kV; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 163 CRNR TD588466 BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1656 Lucerne Valley Raven Nest Relocation; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1665 Emergency Cross Arm Replacement Ventura; Ventura County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 173 Emergency Response, Inyo National Forest; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1734 One Deteriorated Pole within the Marine Corps Logistics Base, Barstow, Riverside County, CA, Department of Defense; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1769 Additional Fieldwork and Analysis for the Zack Substation Expansion Project, Mono County, CA; Mono County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1868 Thirty-Seven Deteriorated Poles Replacement near Johannesburg, Kern and San Bernardino Counties, Bureau of Land Management, Ridgecrest Field Office, CA; Kern County, California; Southern California Edison Company. SWCA conducted a cultural resources study including a records search, intensive pedestrian field survey, and preparation of a report documenting the methods and results for the replacement of 43 deteriorated wooden distribution poles located on private and federal lands administered by the Bureau of Land Management, Ridgecrest Field Office, Kern and San Bernardino Counties, California. The study was conducted in compliance for the National Historic Preservation Act (NHPA) and the California Environmental Quality Act (CEQA). Several prehistoric and historic period archaeological sites were documented and evaluated for their NRHP eligibility, and SWCA worked directly with SCE to alter project plans in order to avoid sensitive cultural resources. *Role: Archaeologist.*

SCE CWA 195 Havilah Substation Boring near Lake Isabella, Kern County, California; Lake Isabella, Kern County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1951 Additional Cultural Resources Support for the Zack Substation Expansion Project, Mono County, CA; Mono County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1988 CR BLM Desert District Site Recording Det Poles; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2005 Priority 1 Pole Replacements, LPNF; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2018 SUP 037 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2021 EHSync Archaeological Resources Construction Support; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2035 SUP 048 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2038 SUP 050 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2041 SUP 052 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2044 EHSync 101 SWCA Introduction and Training; Pasadena, Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2045 SUP 054 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2048 SUP 055 CRNR GIS LPNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2049 SUP 056 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2052 SUP 057 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2055 SUP 059 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

CWA 2065 SCE Emergency Pole Replacement ANF; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2070 SUP 069 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2071 SUP 071 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2079 SUP 078 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2081 SUP 076 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2083 SUP 075 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2085 SUP 080 CRNR GIS LPNF; County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2088 SUP 082 CRNR GIS SNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2091 SUP 085 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2094 SUP 086 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2102 SUP 087 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2103 SUP 088 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2110 SUP 096 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2111 SUP 093 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2112 SUP 097 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2113 SUP 092 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2123 SUP 105 CRNR GIS SBNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

CWA 2124 Emergency Work BLM Barstow; Barstow, San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2127 SUP 095 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2128 SUP 103 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 2131 SUP 109 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company.

SCE CWA 2132 SUP 113 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company.

SCE CWA 2144 SUP 117 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company.

SCE CWA 2145 SUP 119 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company.

SCE CWA 286 Additional Reporting for TD779342; TD712637, TD779626 Deteriorated Pole Projects - 20 Poles BLM Ridgecrest; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 287 Monitoring Mission Rd Crossing; San Gabriel, Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

CWA 32 Death Valley/Scotty's Castle Pole Replacement; Death Valley, Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 368 RGIP Isabella Main Dam Project GFID 4210; Kern County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 392 Wrightwood RGT Phase 4 - Dice 33kV (TD790108), Associated Deteriorated Pole Replacements (TD808525, TD808606), and Oak Springs Pole - Top Substation Expansion (TD813433); San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 449 71 Deteriorated Poles in Bouquet Canyon, Angeles National Forest; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 455 Havilah Substation Construction Cultural Monitoring; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 460 48 Deteriorated Poles on the Angeles National Forest, Los Angeles and San Bernardino Counties; Los Angeles And San Bernardino Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 502 12 Deteriorated Poles on the Angeles National Forest, San Bernardino County; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 525 CR TD727950 1 Det Pole China Lake NAWS; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 526 CR TD844572 2 Det Poles ANF; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 541 Zak Substation Site Testing, Inyo County; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 602 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 613 Emergency Water Repair Catalina Island; Los Angeles County, California; Southern California Edison Company. Water pipe emergency repair on Catalina island. *Role: Archaeologist.*

SCE CWA 619 Sixteen Deteriorated Poles on the Angeles National Forest, Los Angeles County; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 629 Fogarty Substation Getaway Install Archaeological and Paleontological Monitoring, Riverside County; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 647 Cultural Resources Survey for One Deteriorated Pole on the Caliber 12kV Circuit on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 650 San Bernardino National Forest Emergency, Tenderfoot 12kv, Big Bear; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 660 Cultural Resources Survey for One Deteriorated Pole on the Blue Ridge 2.4 kV Circuit on the Angeles National Forest, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 686 Four Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 689 Two Deteriorated Poles on the Canebrake Ecological Reserve, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 690 Six Deteriorated Poles Replacement Project, Los Padres National Forest, Ventura County, CA; Ventura County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 691 Three Deteriorated Poles Replacement, Ventura County, USFWS-Hopper Mountain National Wildlife Refuge; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 718 Three Deteriorated Poles on the Sequoia National Forest, Western Divide Ranger District, Tulare County, CA; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 719 29 Deteriorated Poles on the SQNF, Kern River Ranger District, Kern and Tulare Counties, CA; Kern And Tulare Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 735 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 737 CRNR SQNF Emergency; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 747 Thirteen Deteriorated Poles Replacement Project, Santa Fe Dam Recreation Area, U.S. Army Corps of Engineers, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 778 CRNR Emergency Removal of Two Trees in SQNF; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 789 Two Deteriorated Poles within the CDFW, San Jacinto Wildlife Area, Riverside County; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 790 Seven Deteriorated Poles on the San Bernardino National Forest, San Bernardino and Riverside Counties, CA; Riverside And San Bernardino Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 791 One Deteriorated Pole Replacement near Canyon Lake, BLM Palm Springs South Coast Field Office, Riverside County, CA; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 795 One Deteriorated Pole on Topanga State Park, Los Angeles, County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 823 Santa Barbara Underground Structure Replacement Project; Santa Barbara County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 831 One Deteriorated Pole on the San Bernardino National Forest, San Bernardino County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 850 Four Deteriorated Poles on Lands Managed by the BLM, Palm Springs District, Riverside County; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 867 Cultural and Paleontological Desktop Analyses for the Eldorado-Mohave Capacitor Site Assessment, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 882 Ten Deteriorated Poles on Lands Managed by the BLM, Barstow District, San Bernardino and Inyo Counties; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 931 Six Deteriorated Poles on Lands Managed by the BLM, Barstow District, San Bernardino County; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 954 SmartConnect Communication Device - Ute 33kV, San Bernardino National Forest, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

**SCE CWA 990 Five Deteriorated Poles on Lands Managed by the BLM, Palm Springs District, Riverside County; Riverside County, California; Southern California Edison Company.** *Role: Archaeologist.*

**Edwards AFB MMRP Biological and Cultural Resources Monitoring; Kern County, California; Bay West, LLC.** SWCA supported Edwards AFB's compliance with the Air Force's Military Munitions Response Program (MMRP), which includes the recovery of live ammunition from historic training areas. Qualified monitors conducted baseline biological and archaeological surveys to ensure that MMRP sampling and recovery activities do not harm protected resources, including desert tortoises and archaeological sites. *Role: Archaeologist.*

**EI WA 001 Erskine 12kV Survey BLM Bakersfield; Kern County, California; Environmental Intelligence, LLC.** SWCA obtained a Field Work Authorization from BLM Bakersfield for the Erskine 12kV circuit under the DRHTP. A records search was also conducted at the San Joaquin Information Center and a subsequent field survey was completed within a 150-ft corridor for portions of the circuit on BLM land along the Erskine 12kV circuit. *Role: Archaeologist.*

**EI WA 002 SQNF Monitoring; Kern County, California; Environmental Intelligence, LLC.** SWCA provided archaeological monitoring during tree felling operations at sites with known archaeological resources in the Sequoia National Forest. *Role: Archaeologist.*

**EI WA 003 SQNF and INF Records Searches; Inyo County, California; Environmental Intelligence, LLC.** SWCA conducted heritage resources records searches at the Sequoia National Forest (SQNF), Inyo National Forest (INF) and California Historical Resources Information System (CHRIS) records searches at the Southern San Joaquin Information Center (SSJVIC) and the Eastern Information Center (EIC) as described in the SCE Scope of Work. *Role: Archaeologist.*

**EI WA 004 SNF Monitoring; Fresno County, California; Environmental Intelligence, LLC.** *Role: Archaeologist.*

**EI WA 005 Camp Nelson SQNF Monitoring; Tulare County, California; Environmental Intelligence, LLC.** *Role: Archaeologist.*

**Elysian Reservoir WQIP Construction Monitoring; Los Angeles County, California; AECOM, Inc..** SWCA prepared a cultural resources monitoring plan and an assessment of NHPA compliance by an architectural historian for this water quality improvement project. *Role: Archaeologist.*

**Gaffey Pool Project Archaeological Data Recovery; Los Angeles, Los Angeles County, California; AWI Builders, Inc..** SWCA provided immediate field support for the unanticipated finding of a World War II Era slit trench located adjacent to the Gaffey Pool Rehabilitation Project at Fort MacArthur, a former United States Army installation in San Pedro. SWCA provided a crew for data recovery and mitigation and memorialization recommendations for this significant resource.

*Role: Archaeologist.*

**Genesis Solar Energy Project (GSEP) Paleo Monitoring; Blythe, Riverside County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**SCE Kramer-Holgate Transmission Line Environmental Impact Evaluation; Multiple Counties, California; Southern California Edison Company.**

**SCE Victor-Savage 2 Transmission Line Environmental Impact Evaluation; Multiple Counties, California; Southern California Edison Company.**

**Natural and Cultural Support for the Gordon Mull Subdivision Environmental Impact Report; Glendora, Los Angeles County, California; Terry A. Hayes Associates, LLC.** SWCA was selected to prepare an EIR for in Support of Environmental Impact Report for the Gordon Mull Subdivision, City of Glendora, Los Angeles County, California. The project is proposing to redevelop a 71-acre, 19-lot located in the San Gabriel Foothills. Under the current contract, SWCA biology and cultural resources staff are collecting data to prepare respective resources and mitigation sections for an EIR overseen by TAHA staff. *Role: Archaeologist. Conducted archaeological survey and site recording.*

**Genesis Solar Energy Project Geoarchaeology and Archaeological Monitoring; Blythe, Riverside County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist. Coordinated field crew and conducted monitoring.*

HSR CP4 Pre-Construction Archaeological and Built Environment Support; Multiple Counties, California; Confidential Client. *Role: Archaeologist.*

ICHA Area 10 (PA 10-2 & 10-4) Archaeological and Paleontological Monitoring; Irvine, Orange County, California; California Pacific Homes. *Role: Archaeologist.*

Kern County Solar RE Columbia 3; Kern County, California; RE Columbia 3, LLC. SWCA conducted cultural monitoring services for excavation and grading activities. *Role: Cultural Resources Specialist.*

Kern County Solar RE Rio Grande; Kern County, California; RE Rio Grande, LLC. SWCA conducted cultural monitoring services for excavation and grading activities. *Role: Cultural Resources Specialist.*

Kern County Solar RE Rosamond One; Rosamond, Kern County, California; RE Rosamond One, LLC. *Role: Archaeologist / Monitor. Monitored ground-disturbing activities.*

Kern County Solar RE Rosamond Two; Rosamond, Kern County, California; RE Rosamond Two, LLC. *Role: Archaeologist / Monitor. Monitored ground-disturbing activities.*

LA Plaza Analysis, Reburial, and Boundary Testing; Los Angeles, Los Angeles County, California; County of Los Angeles. SWCA conducted cultural test excavation units for excavation activities. *Role: Cultural Resources Specialist.*

LA Plaza Cultura Village Archaeology; Los Angeles County, California; La Plaza Village, LLC. SWCA was hired to conduct cultural resource monitoring in downtown Los Angeles. *Role: Archaeologist.*

LADPW Main Street Lighting Improvement Unit 1; Los Angeles County, California; City of Los Angeles. *Role: Archaeologist.*  
LADPW San Pedro Plaza Park Cultural Monitoring; Los Angeles, Los Angeles County, California; City of Los Angeles. SWCA provided archaeological monitoring during the construction-related ground disturbing activities associated with the San Pedro Plaza Park Project. Efforts also included the testing of an archaeological component and the salvage and laboratory analysis of archaeological materials that were encountered during monitoring and testing. *Role: Cultural Resources Specialist.*

LADPW Sheldon Skatepark Archaeological Monitoring in Sun Valley; Sun Valley, Los Angeles County, California; City of Los Angeles. SWCA reviewed CEQA Initial Study/Mitigated Negative Declaration for this project. The team attended preconstruction meetings and monitored all ground-disturbing activities, including excavation, demolition, construction, and any associated secondary activities for support services including utilities. *Role: Cultural Resources Specialist.*

LAPD Metro Potential Archaeological Discovery; Los Angeles County, California; Turner/JGM a Joint Venture. SWCA conducted a site visit to assess the archaeological materials that have been uncovered. The assessment will include visual inspection of the materials and their point of origin, mapping using a submeter accurate Global Positioning System (GPS) unit, photodocumentation, and detailed notes. *Role: Archaeologist.*

Line 247 Ocean Mesa RV and Campground Class Location Change; Santa Barbara County, California; Southern California Gas. *Role: Archaeologist.*

Mojave Solar Project Cultural Services; San Bernardino County, California; CH2M Hill. *Role: Archaeologist.*

Mojave Tortoise Surveys; San Bernardino County, California; Kinder Morgan, Inc.. *Role: Cultural Resources Specialist.*

Mulholland Property Archaeological Survey Project; Los Angeles County, California; 24638 Mulholland Highway, LLC. *Role: Archaeologist.*

NAVFAC SW MV-22 Camp Pendleton Archaeological Testing; Los Angeles County, California; NAVFAC SW. Sole-source contract to complete outstanding ecological and archeological investigation. *Role: Cultural Resources Specialist.*

North Sky River Project Archaeological Support; Tahachapi, Kern County, California; Confidential Client. CONFIDENTIAL *Role: Archaeologist / Crew Chief. Lead archaeological monitor and crew chief.*

**OTO Hotels Santa Monica Archaeological and Paleontological Services; Santa Monica, Los Angeles County, California; OTO Development, LLC.** SWCA provided paleontological monitoring and mitigation services during construction excavations and grading. Services included implementation of a paleontological mitigation monitoring program and reporting. *Role: Archaeologist.*

**PG&E Kettleman Solar EGI Support - NU; Kings County, California; Pacific Gas and Electric Company.** SWCA provided Request for Information support, General Order 131-D compliance, Environmental Release to Construction preparation, and biological support services for construction of an approximately 300-foot generation interconnection tie line to an existing transmission line. *Role: Archaeologist.*

**PG&E Line 108N Cultural Resource Services; Lodi, San Joaquin County, California; Pacific Gas and Electric Company.** SWCA is providing cultural resources services in support of PG&E's Valve Automation/Valve Repair and Replacement program. Services cultural resources survey of a pipeline replacement, site recordation, preparation of a resource study report and Native American Consultation. *Role: Archaeologist.*

**Plains Red River Pipeline; Multiple Counties, Multiple States; Confidential Client.** CONFIDENTIAL *Role: Archaeologist.*

**Point Arena California Coastal Marine Automated network (C-MAN) Station Section 106 Compliance; Mendocino County, California; GeomorphIS Information Systems, LLC.** SWCA was retained by GeomorphIS on behalf of NOAA to provide Section 106 compliance for this project, which will relocate the Point Arena California Coastal Marine Automated network (C-MAN) Station to a new site. SWCA delineated an area of potential effects (APE), conducted archaeological and historic built environment surveys, and archaeological presence/absence testing, producing a technical report and a finding of effect. The team updated the NRHP-listed Point Arena Light Station historic district by identifying and evaluating new contributors, and evaluated a newly identified prehistoric archaeological site, consulting with the California SHPO to ensure that the project did not result in adverse effects to historic properties. *Role: Archaeologist.*

**Price Canyon Water Main Replacement Archaeological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA conducted cultural surveys and construction monitoring for the project, which replaced several sections of water line within the sensitive prehistoric archaeological sites along Price Canyon Road, Dell Court and Solar Way. *Role: Archaeologist.*

**Pajaro Valley Water Management Agency CEQA Support and Permitting; Monterey And Santa Cruz Counties, California; Pajaro Valley Water Management Agency.** SWCA provided environmental permitting and document sufficiency assessments for three water management projects located in the Watsonville area. The projects entailed construction of additional water storage tanks and upgrades to the agency's existing water treatment facility and the addition of two new distribution pipelines to better serve Santa Cruz and Monterey County customers. SWCA also prepared a CEQA plus environmental document addendum, Section 106 and CEQA archaeological surveys and reports, consultation assistance with the SHPO, a wetland delineation, biological technical reporting, permitting, and preparation assistance for funding applications. *Role: Archaeologist.*

**SCE CWA 30 SBA-22 Monitoring; Santa Barbara, Santa Barbara County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE Fort Irwin Reliability Project Environmental Assessment; San Bernardino County, California; Southern California Edison Company.** SWCA is providing support for this transmission line improvement project located on lands administered by the BLM and Department of Defense as well as private land owners. Services include the development of the BLM Plan of Development (POD), preparation of the Environmental Assessment (EA), and biological, jurisdictional waters, cultural, and paleontological technical studies and reports to support the EA, POD, and environmental permits. *Role: Archaeologist.*

**SCE Grapevine 12 kV Repair Phase 02; Inyo County, California; Southern California Edison Company.** *Role: Archaeologist.*

**Shell Beach Road Streetscape - Phase 1 Environmental Documents; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies and permitting, for the reconstruction of an 18-block section of Shell Beach Road between Cliff Avenue and Terrace Avenue in downtown Shell Beach. Due to sensitive archaeological resources in the area, SWCA also performed an Extended Phase I Archaeological Survey of the project area at the request of Caltrans. *Role: Archaeologist.*

**Sixth & Bixel Paleontological Monitoring Services Project; Los Angeles, Los Angeles County, California; Holland Partners.** SWCA is conducting paleontological monitoring of preconstruction activities in support of a development project encompassing two parcels in downtown Los Angeles. Monitors identified and recovered numerous significant vertebrate fossils. *Role: Archaeologist.*

**SoCal Gas 517 E Locust Ave Archaeological Monitoring; Lompoc, Santa Barbara County, California; Southern California Gas.** *Role: Cultural Resources Specialist.*

**SR 530 Debris Removal Spotting; Snohomish County, Washington; Environmental Science Associates.** *Role: Cultural Resources Specialist.*

**Suncrest Project Environmental Planning and Compliance Services; Multiple Counties, California; Confidential Client.** CONFIDENTIAL *Role: Archaeologist.*

**UCI Faculty & Staff Housing Archaeological Evaluation; Irvine, Orange County, California; California Pacific Homes.** SWCA provided cultural and paleontological monitoring services during construction of multi-phase housing project. *Role: Cultural Resources Specialist.*

**Valentine Environmental Impact Report; Kern County, California; Provost & Pritchard Consulting Group.** SWCA was retained first by Provost & Pritchard Consulting Group, and later directly by EDF RE, to provide biological, cultural, and paleontological resources services in support of the Valentine Solar Project located on 2,000 acres in Kern County, California. SWCA's primary efforts were to provide a Biological Constraints Analysis (BCA) of the project area, which was used to refine the preliminary design of the project. Following preparation of the BCA, SWCA conducted full technical studies for biological, cultural, and paleontological field surveys to support the preparation of an Environmental Impact Report (EIR) and other permitting requirements. Natural resources studies conducted include surveys for nesting birds, burrowing owls, desert tortoise, special-status plants, vegetation communities, and jurisdictional waters. *Role: Archaeologist.*

**Victor Phelan Solar Project Cultural Resources Monitoring; Adelanto, San Bernardino County, California; RE Victor Phelan Solar One LLC.** SWCA conducted cultural and paleontological monitoring services for excavation and grading activities. *Role: Archaeologist / Monitor. Monitored ground-disturbing activities.*

**Visalia Lot Monitoring; Visalia, San Bernardino County, California; Southern California Gas.** Performed cultural resource monitoring, site recordation, site evaluation, and reporting services in support of parking lot repair. *Role: Archaeologist.*

**Washington National Archaeological and Paleontological Monitoring (Access Culver City); Culver City, Los Angeles County, California; GDCV Culver City, LLC.** SWCA implemented an archaeological and paleontological mitigation monitoring program during project grading, as well as archaeological feature and artifact identification, recordation, and recovery; laboratory preparation, identification, analysis, and curation preparation of archaeological materials; and reporting. *Role: Cultural Resources Specialist.*

Name: Aaron S. Elzinga

## Prehistoric Resources

Project Name	Location	Duties (e.g., field, lab, report)	Employer/ Sponsor	Duration (days/weeks/months)
Genesis Solar Energy Project	Blythe, Ca.	Field/Crew Chief	SWCA/ AECOM	6 months
North Sky River	Tehachapi, Ca.	Field/Crew Chief	SWCA/ AECOM	2 months
Suncrest Reactive Power Project	Alpine, Ca.	Field/Crew Chief	SWCA	5 months
Washington National Project	Culver City, Ca.	Reporting	SWCA	1 month
Southern California Edison (various On-Call projects)	Various: BLM, ANF, LPNF, SQNF, SNF, INF, SBNF (Riverside, Mono, Kern, Los Angeles, Santa Barbara, San Bernardino,	Field; Field Director; Crew Chief; Reporting	SWCA	10 months
Zach Substation	Bishop, Ca.; BLM	Field Director; Lab; Reporting	SWCA	3 months
SCE CWA BLM Desert District Site Recording	Riverside County	Field Director; Reporting	SWCA	1 month
SoCalGas 517 E Locust	Lompoc, Ca.	Reporting	SWCA	2 days
SCE Grapevine 12kV Repair	Death Valley, Ca.	Crew Chief	SWCA	5 days
SoCalGas 405-409 S 1 <sup>st</sup> Street	Lompoc, Ca.	Reporting	SWCA	2 days
ACE CR Monitoring & Management Services; SGT Cultural Compliance	San Gabriel, Ca.	Field; Lab; Crew Chief; Field Director; Reporting	SWCA	12 months, 14 days
Blythe Solar Power Project Units 1 and 2	Blythe, Ca.	Field; Crew Chief	SWCA	16 days
Camino Solar Env. Support	Lancaster, Ca.	Field; Crew Chief	SWCA	3 days
Camp Verdugo Oaks Archaeological Impact Assessment	Los Angeles County	Field; Reporting	SWCA	2 days
City of Hope Specific Plan	Los Angeles County	Field; Reporting	SWCA	3 days

and EIR				
823 Santa Barbara Underground Structure Replacement	Santa Barbara County	Field Director; Reporting	SWCA	15 days
Edwards AFB Biological/Cultural Resources Monitoring	Edwards Air Force Base	Field; Crew Chief	SWCA	1 month, 15 days
EI WA 001 Erskine 12kV Survey BLM Bakersfield	Lake Isabella, Ca.	Crew Chief; Reporting	SWCA	18 days
EI WA 002 SQNF Monitoring	Kernville, Ca.	Field; Field Director; Reporting	SWCA	21 days
EI WA 004 SNF Monitoring	Shaver Lake, Ca.	Field; Field Director; Reporting	SWCA	13 days
EI WA 005 Camp Nelson SQNF Monitoring	Camp Nelson, Ca.	Field; Field Director; Reporting	SWCA	12 days
Gordon Mull Subdivision	Glendora, Ca.	Field; Crew Chief; Reporting	SWCA	7 days
Kern County Solar RE Columbia 3	Mojave, Ca.	Field	SWCA	25 days
Kern County Solar RE Rio Grande	Mojave, Ca.	Field	SWCA	5 days
Kern County Solar RE	Rosamond, Ca.	Field; Crew Chief	SWCA	11 days
Kern County Solar RE	Rosamond, Ca.	Field; Crew Chief	SWCA	5 days
SCE Kramer-Holgate	Mojave, Ca.	Field Director; Reporting	SWCA	3 days
SCE Victor-Savage	Victorville, Ca.	Field Director; Reporting	SWCA	3 days
La Plaza Cultura Village Archaeology	Los Angeles, Ca.	Field Director	SWCA	14 days
LAPD Metro Potential Archaeological Discovery	Los Angeles, Ca.	Field; Reporting	SWCA	3 days
Line 247 Ocean Mesa RV and Campground	Santa Barbara, Ca.	Field Director; Lab; Reporting	SWCA	10 days
Mullholland Property Archaeological Survey	Ventura County, Ca.	Reporting	SWCA	3 days
OTO Hotels Santa Monica	Santa Monica, Ca.	Field; Crew Chief; Reporting	SWCA	28 days

Archaeological and Paleontological Services				
Panoche Valley Bridge Project		Field Director	SWCA	1 day
Price Canyon Water Main Replacement	Pismo Beach, Ca.	Field; Crew Chief; Reporting	SWCA	13 days
SCE Fort Irwin Reliability Project	Barstow, Ca.	Field; Crew Chief; Reporting	SWCA	31 days
Santa Susana Field Laboratory	Chatsworth, Ca.	Field; Crew Chief	JMA	5 months
29 Palms MCAGCC Phase II	29 Palms MCAGCC	Field	Far Western	4 days
29 Palms MCAGCC Phase II	29 Palms MCAGCC	Field; Reporting	CalState Northridge	30 days
Archaeological Field School – ANF/Santa Cruz Island	Chilao Campground –ANF; Santa Cruz Island	Field; Lab	CalState Northridge	30 days
<b>Total</b>				<b>58 months 2 days</b>

# CHAD JACKSON, B.S., ARCHAEOLOGIST

Mr. Jackson is an archaeologist specializing in surveying, monitoring, and excavation. He regularly works as a crew chief during cultural resources work in support of compliance with CEQA, NEPA, and Sections 106 and 110 of the National Historic Preservation Act. As Crew Chief, he is responsible for assigning crew duties, organizing equipment, and managing field logistics. He also performs a variety of biological fieldwork including botanical and wildlife surveying, monitoring, and report writing.

Mr. Jackson's experience includes 10 years of cultural resources management in addition to 3 years as an Archaeological Project Leader (for the California State Parks). Mr. Jackson exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Field Director as he has a bachelor's degree in Earth Science (with a concentration in Geology and Archaeology) and exceeds the minimum amount of professional experience as a Field Director. Mr. Jackson has completed more than 6 years of California field experience and has been performing as a Field Director for almost 5 years in California.

SELECTED PROJECT EXPERIENCE (* denotes project experience prior to SWCA)	
<b>YEARS OF EXPERIENCE</b>	12
<b>EXPERTISE</b>	<p>Site conservation management</p> <p>Biological/Cultural survey &amp; monitoring</p> <p>Biological/Cultural survey &amp; monitoring</p> <p>Site excavation and assessment</p> <p>Artifact processing and cataloging</p> <p>GIS mapping</p>
<b>EDUCATION</b>	B.S. cum laude, Earth Science, c: Geology and Archaeology, m: Anthropology; California Polytechnic State University, San Luis Obispo;; 2005
<b>TRAINING</b>	CTS Workshop and Training, Elkhorn Slough Coastal Training Program
<b>MEMBERSHIPS</b>	Member, Society for California Archaeology

**1532 Hollister Lane Cultural Monitoring; Los Osos, San Luis Obispo County, California; Dos Osos Timber Works, Inc..** *Role: Cultural Resources Specialist.*

**320 Stimson Street Phase I Archaeological Survey; Pismo Beach, San Luis Obispo County, California; New Horizon & Associates.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**3rd Street DRMS Pipeline Replacement Archaeological Monitoring; San Luis Obispo County, California; Southern California Gas.** SWCA conducted cultural resource monitoring for the project, which includes the replacement of an 1,178-foot segment of a 2-inch steel main pipe on 3rd Street between Santa Maria Avenue and Santa Lucia Avenue, tying in on Santa Ysabel Avenue, in the Baywood neighborhood of Los Osos. *Role: Cultural Resources Specialist. Conducted archaeological monitoring of ground disturbing activities.*

**630 Dolliver Archaeological Monitoring Services; Pismo Beach, San Luis Obispo County, California; Frank and Joan Family LP.** SWCA prepared an Archaeological Monitoring Plan and performed archaeological monitoring for a residential development project in Pismo Beach. *Role: Cultural Resources Specialist. Conducted archaeological monitoring of ground disturbing activities.*

**750 Sleepy Farm Road Phase I Archaeological Survey; Paso Robles, San Luis Obispo County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Cultural Resources Specialist.*

**Banducci Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road

improvement project along a 3-mile stretch of Banducci Road, from the intersection of Bear Valley Road west to the intersection of Parelli Road in the unincorporated area of Cummings Valley. *Role: Cultural Resources Specialist.*

**Beef Center 5-Year Monitoring; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Bello Bridge Replacement Environmental Services; Pismo Beach, San Luis Obispo County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the replacement of the Bello Street Bridge over Pismo Creek in the city of Pismo Beach. *Role: Cultural Resources Specialist.*

**Bernard St. Pedestrian Path Biological Assessment; Bakersfield, Kern County, California; Kern County Public Works Department.** SWCA conducted a biological assessment for a pedestrian improvement project along a 0.5-mile segment of Bernard Street, a busy four-lane paved road in a residential neighborhood of Bakersfield. *Role: Cultural Resources Specialist.*

**Cachagua Road Emergency Repair; Monterey County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of a Biological Resources Survey Report and Archaeological Survey Report, for the emergency road repair project, which includes emergency repairs to approximately 150 feet of collapsed roadway of Cachuaga Road in Carmel Valley. *Role: Cultural Resources Specialist.*

**City of Marina Cal Am Temporary Slant Test Well Project; Marina, Monterey County, California; City of Marina.** SWCA is preparing a Mitigated Negative Declaration/Environmental Assessment and technical studies for the slant test well project, located on the coast of the city of Marina, which will provide geologic, hydrogeologic, and water quality characteristics of local aquifers. *Role: Cultural Resources Specialist.*

**Cal Poly Gilardi Bridge Env Monitoring; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Cal Poly Gold Tree Solar Initial Study Mitigated Negative Declaration; San Luis Obispo, San Luis Obispo County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Cal Poly Oppenheimer Initial Study; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** SWCA is preparing an Initial Study for improvements to the equine center, environmental horticultural sciences, beef unit, and crops unit areas on approximately 55.62 acres of campus land. *Role: Cultural Resources Specialist.*

**Cal Poly Pennington Creek 5-Year Mitigation Monitoring; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Cal Poly Programmatic Permitting; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Cal Poly SLO Master Plan Update Environmental Impact Report; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Camarillo Airport Northeast Hangar Project Environmental Support; Camarillo, Ventura County, California; Coffman Associates, Inc.** SWCA prepared the biological and cultural resources reports for a utility extension and hangar development project at the Camarillo Airport. *Role: Cultural Resources Specialist.*

**Cambria Emergency Water Supply Project; Cambria, San Luis Obispo County, California; CDM Smith, Inc.** SWCA assisted in preparation of an adaptive management plan to monitor water quality conditions and aquatic species habitat (including central California coast steelhead), and conducted water quality surveys, habitat assessment surveys, and California Rapid Assessment Method (CRAM) surveys in San Simeon Creek for a desalination project. *Role: Archaeological Monitor. Conducting biological and cultural resource surveys and monitoring during ground disturbing activities.*

**Cayucos Land Conservancy Environmental Surveys; Cayucos, San Luis Obispo County, California; Cayucos Land Conservancy.** *Role: Cultural Resources Specialist.*

**Chevron Tank Farm Oversight Monitoring; San Luis Obispo, San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Paso Robles Wastewater Treatment Plant Monitoring; Paso Robles, San Luis Obispo County, California; City of Paso Robles.** *Role: Cultural Resources Specialist.*

**College Heights Blvd. Pedestrian Path Biological Assessment; Ridgecrest, Kern County, California; Kern County Public Works Department.** SWCA conducted a biological assessment for a pedestrian improvement project along a 2-mile segment of College Heights Boulevard, a busy two-lane paved road in the city of Ridgecrest. *Role: Cultural Resources Specialist.*

**Collins Biological and Archaeological Monitoring; Los Osos, San Luis Obispo County, California; Jim Collins.** SWCA conducted Morro shoulderband snail monitoring and a Phase III archaeological program for a small residential construction project. *Role: Cultural Resources Specialist. Conducted archaeological monitoring of ground disturbing activities.*

**ConsciousBuild Atascadero Additional Parcels Environmental Services; Atascadero, San Luis Obispo County, California; ConsciousBuild, Inc.** *Role: Cultural Resources Specialist.*

**ConsciousBuild Atascadero Halcon Development Environmental Support; Atascadero, San Luis Obispo County, California; ConsciousBuild, Inc.** *Role: Cultural Resources Specialist.*

**Crestwood California Gas Gathering System CIA; Kern County, California; Crestwood Midstream Partners, LP.** SWCA conducted biological and cultural resources surveys and permitting support for the replacement of an approximately 2.25-mile section of natural gas pipeline within the existing pipeline right-of-way along Dustin Acres Road and undeveloped areas on both sides of Highway 119 northeast of the city of Taft. *Role: Biologist. Conducted preconstruction surveys for nesting birds, burrowing owl, blunt-nosed leopard lizard, long-nosed and Tipton kangaroo rat and San Joaquin antelope squirrel. As the lead biological monitor he performed SWPPP compliance and biological monitoring during construction.*

**Crestwood Line 219 Leak Repair Biological Monitoring; Kern County, California; Crestwood Midstream Partners, LP.** *Role: Cultural Resources Specialist.*

**Arroyo Grande PSEP Cultural Resources Support; San Bernardino County, California; CH2M Hill.** *Role: Cultural Resources Specialist.*

**Diamond St. Pedestrian Path Biological Assessment; Rosamund, Kern County, California; Kern County Public Works Department.** SWCA conducted a biological assessment for a pedestrian improvement project along a 0.5-mile segment of Diamond Street, a two-lane paved road in the community of Rosamond. *Role: Cultural Resources Specialist.*

**Elk Hills Road Phase II Biological Monitoring; Kern County, California; Kern County Public Works Department.** SWCA conducted biological monitoring during the second phase of road shoulder construction along Elk Hills Road near Buttonwillow. *Role: Cultural Resources Specialist.*

**Elk Hills Road Shoulder Construction Environmental Services; Buttonwillow, Kern County, California; Kern County Public Works Department.** SWCA is conducting field surveys and small mammal trapping, and preparing an NES and BA, for the repaving of a 1.75-mile section of Elk Hills Road near Buttonwillow. *Role: Cultural Resources Specialist.*

**Estrella Substation and Paso Robles Area Reinforcement Project; Paso Robles, San Luis Obispo County, California; Confidential Client. CONFIDENTIAL** *Role: Cultural Resources Specialist.*

**Goleta Beach Park Bridge Replacement Environmental Studies; Goleta, Santa Barbara County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the project, which will replace the existing bridge over the Goleta Slough between Sandspit Road and Goleta Beach Park. *Role: Cultural Resources Specialist.*

**Grover Beach Train Station Technical Studies; Grover Beach, San Luis Obispo County, California; City of Grover Beach.** SWCA is preparing Caltrans Local Assistance reports for NEPA compliance, including a NES-MI, Jurisdictional Waters Determination, and Oak Tree Mitigation Memo, for a train station expansion project in Grover Beach. *Role: Cultural Resources Specialist.*

**Genesis Solar Energy Project Geoarchaeology and Archaeological Monitoring; Blythe, Riverside County, California; Confidential Client. CONFIDENTIAL** *Role: Cultural Resources Specialist.*

**City of Half Moon Bay General Plan Update; Half Moon Bay, San Mateo County, California; Dyett & Bhatia.** SWCA is preparing an Existing Conditions Report and EIR sections for the project, which includes updates to the City's Land Use, Conservation, Open Space, Noise, and Housing Elements. SWCA is assessing the following: aesthetics, light, and glare; biological resources; cultural resources; geology, soils and seismicity; and, hydrology and water quality. *Role: Cultural Resources Specialist.*

**Heath Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 1.5-mile stretch of Heath Road, from the intersection of Highway 58 south to the intersection of Johnson Road in the unincorporated area of Rosedale.

*Role: Cultural Resources Specialist.*

**Highway 46 Warehouse Environmental Impact Report; Lost Hills, Kern County, California; Kern County.** SWCA is preparing a project level EIR for the proposed project, which includes the development of a 112-acre site with two logistics facility buildings and associated parking areas, driveways, detention ponds, and landscaping. A warehouse distribution center is expected to be developed in the future. *Role: Biologist.*

**Higuera Street Widening Project Environmental Services; San Luis Obispo, San Luis Obispo County, California; Omni-Means, Ltd.**

*Role: Cultural Resources Specialist.*

**Holloway Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 10-mile segment of Holloway Road from the intersection of State Route 46 north to Twisselman Road northwest of the community of Lost Hills.

*Role: Cultural Resources Specialist.*

**Hwy 46/Lost Hills Pedestrian Path Biological Assessment; Lost Hills, Kern County, California; Kern County Public Works Department.** SWCA conducted a biological assessment for a pedestrian improvement project along a 0.25-mile segment of a two-lane paved main highway in the community of Lost Hills. *Role: Cultural Resources Specialist.*

**PG&E Kent South EGI Environmental Review; Kings County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Kerckhoff-Clovis-Sanger Reliability Project Environmental Support; Fresno County, California; Pacific Gas and Electric Company.** SWCA provided permitting, land planning, environmental document review, and biological resource survey support for electric transmission line reliability upgrades along the Kerckhoff-Clovis-Sanger 115 kV transmission line. *Role: Cultural Resources Specialist.*

**Lake Mendocino Compliance Monitoring; Colusa County, California; Geokinetics USA, Inc.** SWCA conducted biological and cultural survey and monitoring for the project, which included 1,400 seismic test hole excavations. *Role: Cultural Resources Specialist. Performed biological and archaeological surveys and monitoring during construction.*

**Line 107 Foley's Ranch Crossover Upgrade; Fremont, Alameda County, California; Pacific Gas and Electric Company.** *Role: Cultural Resources Specialist.*

**Line 107 Fremont to Irvington Biological Monitoring; Fremont, Alameda County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Line 21 E Tomki Road Relocation Cultural Resources Survey; Mendocino County, California; Pacific Gas and Electric Company.** SWCA conducted habitat assessment, wetland delineation, rare plant, and northern spotted-owl surveys and prepared associated technical documents to support realignment of approximately 1,000 feet of natural gas pipeline 21E near Tomki Road in Mendocino County that was damaged in a recent landslide. SWCA also prepared permit application packages for CDFW, USACE, and RWQCB, and will conduct construction monitoring and reporting. *Role: Cultural Resources Specialist. Conducted biological and archaeological monitoring of ground disturbing activities.*

**Monterey Airport Runway Safety Area Monitoring Phase II; Monterey, Monterey County, California; Coffman Associates, Inc.** SWCA conducted wildlife surveys, construction monitoring, and reporting for the runway safety area expansion construction project, located on

approximately 38.5 acres of the 597-acre property located in the city of Monterey. *Role: Cultural Resources Specialist. Conducted field surveys and sensitive plant species collection to support mitigation/restoration efforts and monitored during construction.*

**Monterey Airport Tree Inventory; Monterey, Monterey County, California; Kimley-Horn and Associates, Inc.** SWCA conducted a tree inventory for the RSA Improvement Project, which included the identification, mapping, numbering, and flagging of 639 trees located within the project's disturbance and grading limits. *Role: Cultural Resources Specialist. Conducted tree inventory.*

**Morro Bay Golf Course Waterline Project Archaeological Survey; Morro Bay, San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**PG&E Morro Bay Substation Security Fence Biological Monitoring; Morro Bay, San Luis Obispo County, California; Pacific Gas and Electric Company.** *Role: Cultural Resources Specialist.*

**Morro Bay Substation Security Fence Cultural Resources Monitoring; Morro Bay, San Luis Obispo County, California; Surf 2 Snow Environmental Resource Management.** *Role: Cultural Resources Specialist.*

**Morro Creek Multi-Use Trail and Bridge Project Construction Management; Morro Bay, San Luis Obispo County, California; City of Morro Bay.** *Role: Cultural Resources Specialist.*

**Morro View Reservoir Project Biological Studies; San Luis Obispo, San Luis Obispo County, California; Bee Sweet Citrus.** SWCA is preparing biological studies for reservoir construction and permitting. *Role: Cultural Resources Specialist.*

**MRY RSA Environmental Monitoring; Monterey, Monterey County, California; Coffman Associates, Inc.** SWCA provided biological, paleontological, and archeological support for the Monterey Peninsula Airport Runway Safety Area Improvement project, subject to CEQA and NEPA compliance. In support of preparation of an Environmental Impact Report (EIR) and Environmental Analysis, SWCA conducted field surveys and prepared the biological resources section of the CEQA document. SWCA prepared a California red-legged frog and California tiger salamander Habitat Assessment, a federal Biological Assessment, a Botanical Resources Survey Report, a Cultural Resources Report, and a Paleontological Resources Report. Following completion of the EIR, SWCA prepared a Habitat Conservation and Enhancement Plan (HCEP) to address the mitigation requirements for project impacts to special-status biological resources. SWCA also provided biological surveys during project construction. *Role: Cultural Resources Specialist.*

**North Chester Ave. Pedestrian Path Biological Assessment; Bakersfield, Kern County, California; Kern County Public Works Department.** SWCA conducted a biological assessment for a pedestrian improvement project along a 1-mile segment of North Chester Avenue, a busy, four-lane, paved main street in a heavily developed commercial area of Bakersfield. *Role: Cultural Resources Specialist.*

**North Sky River Project Archaeological Support; Tahachapi, Kern County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist. Conducted archaeological monitoring of ground disturbing activities.*

**Oak Tree Village Specific Plan Environmental Services; Tehachapi, Kern County, California; PT1 Ventures, LLC.** SWCA is preparing biological studies and an EIR for the Oak Tree Village Specific Plan, assessing the environmental impacts of the project, which consists primarily of a senior housing development on approximately 210 acres located north of State Route 58 and east of the Capitol Hills area in Tehachapi. *Role: Cultural Resources Specialist.*

**Obispo 400 Biological and Cultural Resources Assessment; Arroyo Grande, San Luis Obispo County, California; Obispo 400, LLC.** *Role: Cultural Resources Specialist.*

**Parker Barn Bridge Biological Monitoring; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Paso Robles Water Treatment Plant Environmental Support; Paso Robles, San Luis Obispo County, California; AECOM, Inc.** *Role: Cultural Resources Specialist.*

**PG&E Cressey - Gallo 115kV Power Line Project; Livingston, Merced County, California; Pacific Gas and Electric Company.** SWCA is providing pre-construction compliance document preparation, including the development of an Environmental Compliance Management Plan (ECMP), compliance matrix, training program, western red bat survey methodology, and biological and cultural surveys. The SWCA team is also providing environmental inspection, biological survey and monitoring, and paleontological monitoring. *Role: Cultural Resources Specialist.*

**PG&E Insulator Replacement Program; Fresno County, California; Pacific Gas and Electric Company.** SWCA is supporting PG&E by performing due diligence and environmental/regulatory compliance services for the replacement of insulators on 100 500KV/230KV Towers. *Role: Cultural Resources Specialist.*

**PG&E Pipeline Corrosion Project Environmental, Biological, and Cultural Resources Services; Multiple Counties, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**PG&E Salmon Creek Junction-Fort Ross Reliability Project; Sonoma County, California; Pacific Gas and Electric Company.** SWCA conducted habitat assessment, rare plant, and nesting bird surveys; prepared associated resource survey reports; and managed and conducted biological monitoring and reporting during electric transmission line reliability upgrades along two electric transmission line segments from the town of Jenner to Bodega Bay. *Role: Cultural Resources Specialist.*

**PG&E Salmon Creek Tap Reliability Project; Sonoma County, California; Pacific Gas and Electric Company.** SWCA conducted habitat assessment, rare plant surveys, and nesting bird surveys; prepared associated resource survey reports; and managed and conducted biological monitoring and reporting for numerous species including CRLF during electric transmission line reliability upgrades along two electric transmission line segments in Sonoma County. *Role: Cultural Resources Specialist. Conducted sensitive species surveys and monitoring.*

**PG&E Spans Projects; Multiple Counties, California; Pacific Gas and Electric Company.** SWCA is providing environmental constraints reviews, permitting support, preconstruction nesting bird surveys, and biological monitoring and training to facilitate corrosion repair on approximately 150 pipe spans throughout PG&E's service territory. *Role: Biologist. Responsibilities included desktop review, field reconnaissance and constraints review production as well as biological monitoring and stormwater inspection.*

**PG&E Pipeline Safety Enhancement Plan (PSEP) Vegetation Management General Environmental Services (2013 Pipeline Pathways); San Mateo County, California; Confidential Client.** SWCA is providing environmental services in support of PG&E's Vegetation Management program throughout the PG&E Central Coast region, including preparation of CEQA documents, environmental permit preparation; and agency consultation regarding potential impacts to special status species (e.g., California red-legged fog, California tiger salamander, San Joaquin kit fox, federally listed salmonids) and associated habitat. SWCA has also provided project environmental review; pre-construction biological surveys; and biological monitor/training in support of this program. *Role: Cultural Resources Specialist. Responsibilities included field reconnaissance and constraints review production assistance as well as biological monitoring of vegetation removal.*

**Poly Canyon Village Five Year Monitoring; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Port San Luis Harbor Terrace Campground Project; Avila Beach, San Luis Obispo County, California; Lisa Wise Consulting, Inc..** SWCA prepared an EIR analyzing the environmental impacts of the project, located on 32 acres in Avila Beach, which consists of a mix of tents, tent cabins, RVs, and related amenities; mix of coastal-related and visitor-serving uses; Harbor District storage areas; and pedestrian access to the beach and California Coastal Trail. *Role: Cultural Resources Specialist.*

**Price Canyon Water Main Replacement Archaeological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA conducted cultural surveys and construction monitoring for the project, which replaced several sections of water line within the sensitive prehistoric archaeological sites along Price Canyon Road, Dell Court and Solar Way. *Role: Crew Chief. Conducted construction monitoring leading to the discovery of intact cultural resources which led to data recovery and the avoidance of human remains.*

**Price House Parking Lot Archaeological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** *Role: Cultural Resources Specialist.*

**Quad Knopf Steam Splitter and 7 Well Re-Routes Project; Kern County, California; Quad Knopf.** SWCA conducted cultural resources survey of BLM-administered land in support of this energy development project. *Role: Cultural Resources Specialist. Conducted survey prior to ground disturbance, and recorded archaeological resources located within the project APE.*

**Renfro Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 1.5-mile stretch of Renfro Road, from the intersection of Highway 58 south to the intersection of Johnson Road in the unincorporated area of Rosedale. *Role: Cultural Resources Specialist.*

**Rice Ranch Pine Creek Development EQAP Monitoring; Orcutt, Santa Barbara County, California; Santa Barbara County.** *Role: Cultural Resources Specialist.*

**Rowlee Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 7-mile stretch of Rowlee Road from the intersection at Lerdo Highway north to Highway 46, in the unincorporated area of Wasco. *Role: Cultural Resources Specialist.*

**San Diego Avenue Kit Fox Pre-construction Survey; Fresno County, California; County of Fresno Department of Public Works.** SWCA performed a pre-construction survey for San Joaquin kit fox and nesting raptors along a 4-mile stretch of San Diego Avenue, from Belmont Avenue north to Shaw Avenue, for a shoulder improvements project on County of Fresno right-of-way near the community of Kerman. *Role: Cultural Resources Specialist.*

**Santa Maria Airport Wildlife Hazard Assessment; Santa Maria, Santa Barbara County, California; Coffman Associates, Inc.** SWCA is conducting a WHA at SMX per FAA WHA survey protocols, including 1 year of wildlife surveys on the airport property and within a 5-mile radius, and submittal of a WHA report to the FAA. *Role: Cultural Resources Specialist.*

**SCE June Lake Emergency Pole Replacement Monitoring; June Lake, Mono County, California; Southern California Edison Company.** SWCA conducted cultural resources survey and monitoring for this emergency utility pole replacement project on Inyo National Forest. *Role: Cultural Resources Specialist. Conducted survey prior to ground disturbance, monitored pole replacement, and recorded archaeological resource located within the project APE.*

**Seawall Archaeological and Biological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** *Role: Cultural Resources Specialist.*

**Shell Beach Road Streetscape - Phase 1 Environmental Documents; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies and permitting, for the reconstruction of an 18-block section of Shell Beach Road between Cliff Avenue and Terrace Avenue in downtown Shell Beach. Due to sensitive archaeological resources in the area, SWCA also performed an Extended Phase I Archaeological Survey of the project area at the request of Caltrans. *Role: Cultural Resources Specialist.*

**Prefumo Bridge Biological Monitoring; San Luis Obispo, San Luis Obispo County, California; SLO Springs, LLC.** SWCA is conducting biological monitoring during the installation of a bridge over Prefumo Creek per a CDFW Section 1602 Streambed Alteration Agreement. *Role: Cultural Resources Specialist. Conducting biological monitoring for Section 1602 compliance.*

**SLO-499 Extended Archaeological Phase I Survey; San Luis Obispo County, California; Surf 2 Snow Environmental Resource Management.** *Role: Cultural Resources Specialist.*

**Stormwater Inspection and Winterization Support Services; Multiple Counties, California; Surf 2 Snow Environmental Resource Management.** SWCA identified the specific measures necessary to prevent impacts to State waters in the event of a rain event, increased overland flow at the project site, or increased flow in the unnamed tributary to receiving waters. Recommendations were made regarding the implementation of storm water management measures and Best Management Practices (BMPs). *Role: Cultural Resources Specialist.*

**Strother Park Rain Garden Project Phase I Archaeological Survey; Arroyo Grande, San Luis Obispo County, California; City of Arroyo Grande.** *Role: Cultural Resources Specialist.*

**Task Order 14 - Highway 25 Curve Correction Project; San Benito County, California; ICF International.** SWCA provided preconstruction surveys and biological monitoring for the California tiger salamander (CTS) and other special-status species to assure compliance with various agency permits. The SWCA team excavated over 400 small mammal burrows using a mechanical-assisted methodology approved by the USFWS and CDFW. This includes preparation of a California Tiger Salamander and California Red-legged Frog Relocation Plan, pre-construction and clearance surveys, small mammal burrow excavation, weekly compliance inspections, and reporting. *Role: Cultural Resources Specialist.*

**Task Order 17 - Piedras Blancas Realignment Project; San Luis Obispo County, California; ICF International.** SWCA is conducting full-time biological monitoring for the realignment of approximately 2.8 miles of the Cabrillo Highway (State Route 1) north of San Simeon. *Role: Cultural Resources Specialist.*

**Task Order 4 - Piedras Blancas Realignment Project; San Luis Obispo County, California; ICF International.** *Role: Cultural Resources Specialist.*

**Task Order 6 - Whitley 2B Biological Monitoring; Whitley Gardens, San Luis Obispo County, California; ICF International.** SWCA is conducting long-term biological monitoring, through 2018, for the widening of the Whitley 2B section of Highway 46 in Paso Robles. Services include protocol-level surveys for Swainson's hawk and pre-construction surveys and monitoring for San Joaquin kit fox. *Role: Cultural Resources Specialist.*

**Tehachapi Municipal Airport South Taxiway Rehabilitation; Mojave, Kern County, California; Coffman Associates, Inc.** SWCA is providing biological, cultural, and wetland delineation surveys and reports to support preparation of an Environmental Assessment for a taxiway relocation/rehabilitation. *Role: Cultural Resources Specialist.*

**van den Berg Cultural Resources Evaluation; Cayucos, San Luis Obispo County, California; Jonathan van den Berg.** *Role: Cultural Resources Specialist.*

**Vina Robles Kit Fox Monitoring Project; Paso Robles, San Luis Obispo County, California; Vina Robles Winery.** *Role: Cultural Resources Specialist.*

**West Creek Development Biological Studies; San Luis Obispo, San Luis Obispo County, California; Robbins Reed, Inc..** *Role: Cultural Resources Specialist.*

**Woodlands Phase IIA and IIB Monitoring; San Luis Obispo, San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

# WILLIAM KENDIG, M.A., CULTURAL RESOURCES SPECIALIST

## YEARS OF EXPERIENCE

9

## EDUCATION

M.A., Anthropology e: Archaeology; California State University Los Angeles; 2014

Post-Baccalaureate Work in Education, Environment and Community e: Archaeology; Humboldt State University, Arcata, California; 2008

B.A. cum laude, Anthropology e: Archaeology; Humboldt State University, Arcata, California; 2005

Certification, Chinese Culture and Language Program; Humboldt State University, Arcata, California; 2005

## PERMITS

U.S. Bureau of Land Management Cultural Resource Use Permit (CA-14-19), Field Director; CA

## MEMBERSHIPS

Member, Malki Museum

Member, Society for American Archaeology

Member, Pacific Coast Archaeological Society

Member, Society for California Archaeology

## SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

**ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Cultural Resources Specialist.*

**ACE SubTrench Phase III Monitoring; Los Angeles County, California; Southern California Gas.** *Role: Cultural Resources Specialist.*

**ACE San Gabriel Trench Cultural Resources Management Services; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National and California Registers listed San Gabriel Mission site<1>. *Role: Cultural Resources Specialist.*

**Anaconda Wire Site Archaeological; Orange County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Stone Creek Project Archaeologist; Chula Vista, San Diego County, California; Bridgeway Advisors.** *Role: Cultural Resources Specialist.*

**Baldwin Reid Adobe Rehabilitation Project Geophysical Investigations; Arcadia, Los Angeles County, California; Los Angeles Arboretum Foundation.** SWCA provided geophysical investigations, archaeological monitoring, and Native American coordination in support of the Baldwin Reid Adobe Rehabilitation Project. The project used ground-penetrating radar (GPR) to identify any buried remnants associated with the original building. SWCA also provided archaeological monitors for rehabilitation activities. *Role: Cultural Resources Specialist.*

**NAVFAC SW TO3 Barstow ICRMP Update; Barstow, San Bernardino County, California; NAVFAC SW.** SWCA completed 7 ELINs related to update of the Barstow ICRMP. These services include historic resources survey and evaluation, archaeology, and reporting. *Role: Cultural Resources Specialist.*

**Blackstone Phase II; Brea, Orange County, California; Shea Homes, Inc..** SWCA provided cultural and paleontological monitoring, Phase I archaeological testing of 5 sites, archaeological feature recordation and recovery, and paleontological fossil recordation and recovery and cultural and paleontological technical reporting services to the multi-phase housing community. *Role: Cultural Resources Specialist.*

**Burns McDonnell Panoche Valley Solar Project Surveys and Monitoring Support; San Benito County, California; Burns & McDonnell Engineering Company, Inc..** *Role: Cultural Resources Specialist.*

**Camino Solar Environmental Support; Kern County, California; Aurora Solar, LLC.** SWCA is providing technical studies and permitting support for this proposed 44-MW solar PV project. SWCA prepared a Plan of Development (POD) in compliance with the BLM's guidelines for solar energy development, and Conditional Use Permit application for Kern County. Field studies conducted to date include a delineation of potentially jurisdictional waters to allow the project to avoid lengthy permitting for impacts to jurisdictional waters. SWCA is currently preparing an entitlement package to support an application for a Conditional Use Permit from Kern County, and conducting biological studies at the site. Camino Solar will be one of the first renewable energy projects permitted through the Desert Renewable Energy Conservation Plan (DRECP).

*Role: Cultural Resources Specialist.*

**SCE CWA 1370 Catalina Emergency; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1375 Grapevine 12kV Damaged Pole Replacement near Scotty's Castle, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1407 Catalina Emergency; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1479 Emergency Water Repair Catalina Island; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1556 Monitoring Support for the Zack Substation Expansion Project – Geotech Testing, Mono County, CA; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1573 CR Catalina Gas Line Emergency Crescent Avenue; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1585 Zack Substation Expansion Project - Cultural Resources Technical Study, Mono County, CA; Mono County, California; Southern California Edison Company.** SWCA provided intensive archaeological survey and site testing for proposed substation expansion. Work included Phase II testing and CRHR evaluation of prehistoric archaeological site. *Role: Cultural Resources Specialist.*

**SCE CWA 1643 Infrastructure Replacement and Deteriorated Pole Replacement along the Brookline 16kV in Whittier Narrows, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1769 Additional Fieldwork and Analysis for the Zack Substation Expansion Project, Mono County, CA; Mono County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 1988 CR BLM Desert District Site Recording Det Poles; Riverside County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 2020 EHSync Archaeological Resources Clearance Support; Multiple Counties, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 2021 EHSync Archaeological Resources Construction Support; Multiple Counties, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**CWA 2030 CR Paradise Cove Malibu Emergency Response; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 2043 CR Reports Deliverables Database Entry; Multiple Counties, California; Southern California Edison Company.** SWCA uploaded 150 of our cultural reports to the Archaeology Program Deliverable database at the request of SCE. *Role: Cultural Resources Specialist.*

**SCE CWA 823 Santa Barbara Underground Structure Replacement Project; Santa Barbara County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**Elysian Reservoir WQIP Construction Monitoring; Los Angeles County, California; AECOM, Inc..** SWCA prepared a cultural resources monitoring plan and an assessment of NHPA compliance by an architectural historian for this water quality improvement project. *Role: Cultural Resources Specialist.*

**Gaffey Pool Project Archaeological Data Recovery; Los Angeles, Los Angeles County, California; AWI Builders, Inc..** SWCA provided immediate field support for the unanticipated finding of a World War II Era slit trench located adjacent to the Gaffey Pool Rehabilitation Project at Fort MacArthur, a former United States Army installation in San Pedro. SWCA provided a crew for data recovery and mitigation and memorialization recommendations for this significant resource.

*Role: Cultural Resources Specialist.*

**SCE Victor-Savage 2 Transmission Line Environmental Impact Evaluation; Multiple Counties, California; Southern California Edison Company.**

**Genesis Solar Energy Project Geoarchaeology and Archaeological Monitoring; Blythe, Riverside County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**HSR CP4 Pre-Construction Archaeological and Built Environment Support; Multiple Counties, California; Confidential Client.** *Role: Cultural Resources Specialist.*

**ICHA Area 11 Archeo/Paleo Monitoring and Burrowing Owl Survey; Irvine, Orange County, California; California Pacific Homes.** *Role: Cultural Resources Specialist.*

**Kinder Morgan Utopia Pipeline Projects; Multiple Counties, Ohio; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Knoll Hill Paleontological Curation; San Pedro, Los Angeles County, California; CDM Smith, Inc..** *Role: Cultural Resources Specialist.*

**LA Plaza Analysis, Reburial, and Boundary Testing; Los Angeles, Los Angeles County, California; County of Los Angeles.** SWCA conducted cultural test excavation units for excavation activities. *Role: Cultural Resources Specialist.*

**LA Plaza Cultura Village Archaeology; Los Angeles County, California; La Plaza Village, LLC.** SWCA was hired to conduct cultural resource monitoring in downtown Los Angeles. *Role: Cultural Resources Specialist.*

**LADPW Main Street Lighting Improvement Unit 1; Los Angeles County, California; City of Los Angeles.** *Role: Cultural Resources Specialist.*

**Line 247 Ocean Mesa RV and Campground Class Location Change; Santa Barbara County, California; Southern California Gas.** *Role: Cultural Resources Specialist.*

**Mojave Solar Project Cultural Services; San Bernardino County, California; CH2M Hill.** *Role: Cultural Resources Specialist.*

**North Sky River Project Archaeological Support; Tahachapi, Kern County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**OTO Hotels Santa Monica Archaeological and Paleontological Services; Santa Monica, Los Angeles County, California; OTO Development, LLC.** SWCA provided paleontological monitoring and mitigation services during construction excavations and grading. Services included implementation of a paleontological mitigation monitoring program and reporting. *Role: Cultural Resources Specialist.*

**Pajaro Environmental Support Services Archaeological Testing; Monterey And Santa Cruz Counties, California; Pajaro Valley Water Management Agency.** SWCA is providing environmental permitting, and document sufficiency assessments for three separate water management projects located in Watsonville and Moss Landing. The projects entail construction of additional water storage tanks and a disk filtration system within the agency's existing water treatment facility and the addition of two new distribution pipelines to better serve Santa Cruz and Monterey County customers. SWCA is also preparing a CEQA-Plus environmental document addendum, two CEQA addendums, Section 106 and CEQA archaeological surveys and reports, consultation assistance with the SHPO, Phase XP 1.5 archaeological presence absence testing, wetland delineation, biological technical reporting, a permitting assessment, and preparation assistance for funding applications. SWCA

also is managing environmental compliance monitoring, preconstruction surveys, field staff training, and archaeological monitoring for the three projects as needed. *Role: Cultural Resources Specialist.*

**Penmar Water Quality Improvement Phase II Archaeological Monitoring; Los Angeles County, California; City of Los Angeles.** SWCA was retained by the City of Los Angeles to prepare a Cultural Resources Mitigation Monitoring Plan for a project involving the installation of water treatment system at Penmar Golf Course, Penmar Recreation Center, and Marine Park. Plan describes procedural framework to identify, evaluate, and treat any cultural resources encountered during construction monitoring. *Role: Cultural Resources Specialist.*

**PG&E Compressed Air Energy Storage; Multiple Counties, California; Pacific Gas and Electric Company.** SWCA was retained to conduct cultural resources studies for the core well drilling phase of four potential project sites. Each was compliant with Section 106 and CEQA and included a records and literature search, Native American consultation, an intensive-level field survey, and preparation of a technical report. *Role: Cultural Resources Specialist.*

**PG&E Humboldt Bay - Humboldt #1 60 kV Reconductoring Project; Eureka, Humboldt County, California; Confidential Client.** SWCA prepared a PEA for a 60-kilovolt reconductoring project to improve transmission system reliability for an 8.4-mile portion of a transmission line in Humboldt County. *Role: Cultural Resources Specialist.*

**PG&E Line 108N Cultural Resource Services; Lodi, San Joaquin County, California; Pacific Gas and Electric Company.** SWCA is providing cultural resources services in support of PG&E's Valve Automation/Valve Repair and Replacement program. Services cultural resources survey of a pipeline replacement, site recordation, preparation of a resource study report and Native American Consultation. *Role: Cultural Resources Specialist.*

**PG&E Ravenswood Cluster Reconductoring Projects; San Mateo County, California; Confidential Client.** CONFIDENTIAL. SWCA prepared Project Strategy Reports for three projects in the Ravenswood Cluster portfolio to assess environmental and regulatory obligations associated with reconductoring and other structural improvements for approximately 45 miles of 115kV transmission line. *Role: Cultural Resources Specialist.*

**Point Arena California Coastal Marine Automated network (C-MAN) Station Section 106 Compliance; Mendocino County, California; GeomorphIS Information Systems, LLC.** SWCA was retained by GeomorphIS on behalf of NOAA to provide Section 106 compliance for this project, which will relocate the Point Arena California Coastal Marine Automated network (C-MAN) Station to a new site. SWCA delineated an area of potential effects (APE), conducted archaeological and historic built environment surveys, and archaeological presence/absence testing, producing a technical report and a finding of effect. The team updated the NRHP-listed Point Arena Light Station historic district by identifying and evaluating new contributors, and evaluated a newly identified prehistoric archaeological site, consulting with the California SHPO to ensure that the project did not result in adverse effects to historic properties. *Role: Cultural Resources Specialist.*

**POLA Berths 226-236 Evergreen Container Terminal EIR/EIS; Los Angeles, Los Angeles County, California; CDM Smith, Inc..** Under contract to CDM Smith, SWCA conducted a built environment/historic resources survey and evaluation and an archaeological survey, Extended Phase I Investigation, and evaluation project in support of the proposed Everport Container Terminal Development Project located at Berths 226-236 on Terminal Island, Port of Los Angeles, in Los Angeles County, California. This study includes the results of background research, an intensive-level field survey, extended Phase I testing and preparation of a historic resources survey report. *Role: Cultural Resources Specialist.*

**Price Canyon Water Main Replacement Archaeological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA conducted cultural surveys and construction monitoring for the project, which replaced several sections of water line within the sensitive prehistoric archaeological sites along Price Canyon Road, Dell Court and Solar Way. *Role: Cultural Resources Specialist.*

**San Jose and Santa Clara WWTP Archaeological Monitoring; San Jose, Santa Clara County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**San Pedro Plaza Park - Phase III Archaeological Monitor; Los Angeles, Los Angeles County, California; City of Los Angeles.** SWCA was hired to review cultural resource survey reports and provide monitoring. SWCA is also preparing interpretative signage to be installed at the park. *Role: Cultural Resources Specialist.*

**SCE CWA 75 Emergency Project Near Daggett; Minneola, San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

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**SCE Fort Irwin Reliability Project Environmental Assessment; San Bernardino County, California; Southern California Edison Company.** SWCA is providing support for this transmission line improvement project located on lands administered by the BLM and Department of Defense as well as private land owners. Services include the development of the BLM Plan of Development (POD), preparation of the Environmental Assessment (EA), and biological, jurisdictional waters, cultural, and paleontological technical studies and reports to support the EA, POD, and environmental permits. *Role: Cultural Resources Specialist.*

**Shell Beach Road Streetscape - Phase 1 Environmental Documents; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies and permitting, for the reconstruction of an 18-block section of Shell Beach Road between Cliff Avenue and Terrace Avenue in downtown Shell Beach. Due to sensitive archaeological resources in the area, SWCA also performed an Extended Phase I Archaeological Survey of the project area at the request of Caltrans. *Role: Cultural Resources Specialist.*

**Santa Ana Pipeline Records Search and Monitoring (Anaheim Inadvertent Discovery Project); Santa Ana, Orange County, California; Southern California Gas.** *Role: Cultural Resources Specialist.*

**PG&E Panoche Valley Solar Project Support Services (Stantec); San Benito County, California; Surf 2 Snow Environmental Resource Management.** PARTIALLY CONFIDENTIAL. SWCA provided cultural resources monitoring for construction activities. *Role: Cultural Resources Specialist.*

**Suncrest Project Environmental Planning and Compliance Services; Multiple Counties, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**UCI Faculty & Staff Housing Archaeological Evaluation; Irvine, Orange County, California; California Pacific Homes.** SWCA provided cultural and paleontological monitoring services during construction of multi-phase housing project. *Role: Cultural Resources Specialist.*

**Utopia Environmental & Agricultural Inspection Services; Multiple Counties, Ohio; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Valentine Environmental Impact Report; Kern County, California; Provost & Pritchard Consulting Group.** SWCA was retained first by Provost & Pritchard Consulting Group, and later directly by EDF RE, to provide biological, cultural, and paleontological resources services in support of the Valentine Solar Project located on 2,000 acres in Kern County, California. SWCA's primary efforts were to provide a Biological Constraints Analysis (BCA) of the project area, which was used to refine the preliminary design of the project. Following preparation of the BCA, SWCA conducted full technical studies for biological, cultural, and paleontological field surveys to support the preparation of an Environmental Impact Report (EIR) and other permitting requirements. Natural resources studies conducted include surveys for nesting birds, burrowing owls, desert tortoise, special-status plants, vegetation communities, and jurisdictional waters. *Role: Cultural Resources Specialist.*

**Visalia Lot Monitoring; Visalia, San Bernardino County, California; Southern California Gas.** Performed cultural resource monitoring, site recordation, site evaluation, and reporting services in support of parking lot repair. *Role: Cultural Resources Specialist.*

**Washington National Archaeological and Paleontological Monitoring (Access Culver City); Culver City, Los Angeles County, California; GDCV Culver City, LLC.** SWCA implemented an archaeological and paleontological mitigation monitoring program during project grading, as well as archaeological feature and artifact identification, recordation, and recovery; laboratory preparation, identification, analysis, and curation preparation of archaeological materials; and reporting. *Role: Cultural Resources Specialist.*

Name: William Euel Kendig

Project Name	Location	Duties (e.g., field, lab, report)	Employer/ Sponsor	Duration (days/weeks/m onths)
ACE CR Monitoring & Management Services	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>15.3 months</u>
ACE SubTrench Phase III Monitoring	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>2.4 days</u>
ACE-SGT Cultural Compliance	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>2.8 months</u>
Anaconda Wire Site Archaeological	<u>Orange County, CA</u>	Field	<u>SWCA</u>	<u>16.6 days</u>
Baldwin Reid Adobe Rehabilitation Project	<u>Los Angeles, CA</u>	Field	<u>SWCA</u>	<u>1 day</u>
Barstow ICRMP Update	<u>San Bernardino County, CA</u>	Field	<u>SWCA</u>	<u>4.25 days</u>
Burns McDonnell Panoche Valley Solar	San Benito County, CA	Field	<u>SWCA</u>	<u>.75 day</u>
Camino Solar Environmental Support	<u>Kern County, Ca</u>	Field	<u>SWCA</u>	<u>1.25 days</u>
CWA 1375 CRNR SAP901661 Grapevine 12kV	<u>Inyo County, CA</u>	Field	<u>SWCA</u>	<u>4.8 days</u>
CWA 1479 CR Catalina Water Line Emergency	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>3.9 days</u>
CWA 1556 CR Zack Substation Expansion	<u>Mono County, CA</u>	Field	<u>SWCA</u>	<u>3.9 days</u>
CWA 1573 CR Catalina Gas Line Emergency	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>15.9 days</u>
CWA 1585 Zack Substation Expansion	<u>Mono County, CA</u>	Field	<u>SWCA</u>	<u>2.5 days</u>
CWA 1769 CR Zack Substation Geotech bori	<u>Mono County, CA</u>	Field	<u>SWCA</u>	<u>5.5 days</u>
CWA 823 CR Santa Barbara Underground Str	<u>Santa Barbara County, CA</u>	Field	<u>SWCA</u>	<u>9.1 days</u>
Gaffey Pool Archaeological Data Recovery	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>11.9 days</u>
HSR CP4 Pre-Construction CR Support	<u>Kern County, CA</u>	Field	<u>SWCA</u>	<u>7.7 days</u>
L001a GO 131-D Kramer-Holgate	<u>Multiple Counties, CA</u>	Field	<u>SWCA</u>	<u>.25 day</u>
L001b GO 131-D Victor-Savage2	<u>Multiple Counties, CA</u>	Field	<u>SWCA</u>	<u>3.6 days</u>
LA Plaza Analysis and Reburial	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>13 days</u>
LA Plaza Cultura Village Archaeology	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>2.5 months</u>
Line 247 Ocean Mesa RV and Campground CI	<u>Santa Barbara County, CA</u>	Field	<u>SWCA</u>	<u>8.25 days</u>
North Sky River CR Support	<u>Kern County, CA</u>	Field	<u>SWCA</u>	<u>5.25 days</u>

PG&E Compressed Air Energy Storage	<u>Sacramento County, CA</u>	Field	<u>SWCA</u>	<u>2.1 days</u>
PG&E Humboldt Bay 60 kV Reconductoring	<u>Humboldt County, CA</u>	Field	<u>SWCA</u>	<u>4.8 days</u>
PG&E Ravenswood Cluster Reconductoring P	<u>San Mateo County, Ca</u>	Field	<u>SWCA</u>	<u>1.75 days</u>
Point Arena C-Man Section 106 Compliance	<u>Mendocino County, CA</u>	Field	<u>SWCA</u>	<u>13.5 days</u>
POLA Berths 226-236 Evergreen Container	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>13.4 days</u>
San Pedro Plaza Park - Phase III Archaeo	<u>Los Angeles County, CA</u>	Field	<u>SWCA</u>	<u>10.7 days</u>
SCE Fort Irwin Reliability Project	San Bernardino County, CA	Field	<u>SWCA</u>	<u>6.25 days</u>
So Cal Gas Records Search and Monitoring	Orange County, CA	Field	<u>SWCA</u>	<u>.6 days</u>
Stantec PG&E Panoche Valley Solar	San Benito County, CA	Field	<u>SWCA</u>	<u>2.4 days</u>
UCI Faculty & Staff Housing Archaeologic	Orange County, CA	Field	<u>SWCA</u>	<u>9.1 days</u>
Valentine EIR	Kern County, CA	Field	<u>SWCA</u>	<u>4.5 days</u>
Lake Forest Access Ramp Improvement	Orange Count, CA	Field	Chambers Group	3 days
Beacon Solar	Kern County, CA	Field	Chambers Group	5 days
EKWRA	San Bernardino County, CA	Field	Chambers Group	1 month
KER-7231	Kern County, CA	Field	Chambers Group	5 days
Scotia Inn Test Excavation	Humboldt County, CA	Field	Humboldt Archaeological Supply Company	5 days
NASA Santa Susana Field Laboratory Area II Survey	Los Angeles County, CA	Field	JMA	2 months
AT&T Highway 127 Cultural Survey	San Bernardino County, CA	Field	Chambers Group	14 days
LADWP Barren Ridge Renewable Transmission Line Survey	Los Angeles County, CA	Field	Power Engineers	14 days
SOVSR Survey Project	Inyo County, California	Field	Power Engineers	1 month
Boeing Santa Susana Field Laboratory Area III Survey	Los Angeles County, CA	Field	JMA	2 months
LA Plaza Excavation Project	Los Angeles County, CA	Field	Sandberg Group, Inc	2 months
Border Field State Park survey and excavation	San Diego County, CA	Field	Sandberg Group, Inc	5 days
Mattole River Restoration Project	Humboldt County, Ca	Field	Center for Indian Community Development, Cultural Resources Facility	10 days

Multiple Timber Harvest Surveys, test excavations and data recovery projects 2004-2008	Humboldt County, Ca	Field	Center for Indian Community Development, Cultural Resources Facility	6 months
Survey and Excavation	Humboldt County, CA	Field	Bear River Band of Rohnerville Rancheria	15 days
Lacks Creek Archaeological and Paleological Survey	Humboldt County, CA	Field	BLM	7 days
Lost Coast Rock Shelter (Windy Point) Excavation	Humboldt County, CA	Field	BLM, UC Davis	5 days
Indian Cave Exploration and Reconnaissance Project	San Nicolas Island, CA	Field	CSULA, U.S. Navy	10 days
Humboldt State University and California State University, Los Angeles San Nicolas Island Archaeological Field School / volunteer program Seasonally 2003 -2012	San Nicolas Island, CA	Field	HSU, CSULA, U.S. Navy	11 months
Excavation of biologically deposited midden within Barn Owl Cave, Santa Barbra Island, CA	Santa Barbra Island, CA	Field	CSULA, Paul Collins	7 days
<b>Total</b>				<b>60.4 months</b>

# LEROY LAURIE, B.S., ARCHAEOLOGIST / PROJECT MANAGER

Mr. Laurie is an archaeologist with cultural resource project experience throughout California and Nevada. He has conducted work in a variety of cultural and geographic regions including, but not limited to, the Sierra Nevada, Great Basin, San Joaquin Valley, Central and Coast Ranges, Mojave and Sonoran Deserts, San Francisco Bay area, and Yosemite Valley. In addition to the organization and execution of field projects, he has been the primary or contributing author to several planning level documents for large- and small-scale projects.

YEARS OF EXPERIENCE	
16	
EXPERTISE	
Archaeology	Mr. Laurie has worked on a variety of cultural resources studies and has helped manage and implement several Phase I and Extended Phase I studies. He has authored or co-authored numerous technical reports and cultural resources sections for Environmental Impact Reports, Environmental Assessments, and Expanded Initial Studies. Mr. Laurie has technical experience in archaeological fieldwork, laboratory analyses, archaeological testing plans, and graphics and mapping. He has been the primary point of contact for Native American coordination for CEQA and Section 106 compliant projects. Mr. Laurie exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Field Director as he has a bachelor's degree in Social Science and more than 8 years of on-the-ground field experience in California during his 16 years of Cultural Resources Management experience.
Report preparation	
Cultural resources analysis	
Mapping	
Graphic Design	
Molluscan Identification and Analysis	
EDUCATION	
B.S., Social Sciences, e: Env.	
Geography, m: Anthropology/Geography;	
California Polytechnic State University,	
San Luis Obispo; 2001	
PERMITS	
U.S. Bureau of Land Management	
Cultural Resource Use Permit (CA-14-19), Field Director; CA	
TRAINING	
First Aid / CPR Certification, American Red Cross; 2008	
Competent Person / Trench Safety Certification (8-Hour), United Rentals; 2007	
MEMBERSHIPS	
Member, Society for California Archaeology	

Mr. Laurie has worked on a variety of cultural resources studies and has helped manage and implement several Phase I and Extended Phase I studies. He has authored or co-authored numerous technical reports and cultural resources sections for Environmental Impact Reports, Environmental Assessments, and Expanded Initial Studies. Mr. Laurie has technical experience in archaeological fieldwork, laboratory analyses, archaeological testing plans, and graphics and mapping. He has been the primary point of contact for Native American coordination for CEQA and Section 106 compliant projects. Mr. Laurie exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Field Director as he has a bachelor's degree in Social Science and more than 8 years of on-the-ground field experience in California during his 16 years of Cultural Resources Management experience.

## RECENT BLM EXPERIENCE (\* denotes project experience prior to SWCA)

**Midsun-Midway 115kV Transmission Line Pole Replacement; Kern County, California; PG&E. Role: Field Director.**

**\*Staff Archaeologist, Class III Inventory of the Section 29 Pipeline Project, Chevron Corporation, Kern County, CA, 2013, \$10K:** Conducted a field inventory of the proposed pipeline APE. Role: Field Director

**\*Staff Archaeologist, Class III Inventory of the 2-22 Soft Water Line Project, Chevron Corporation, Kern County, CA, 2013, \$35K:** Conducted an Internal Technical of the survey report prepared for the project. Role: Field Director

**\*Staff Archaeologist, Limited Test Excavation for the Westside Produced Water Pipeline and Facility Removal Locations, 18Z Lease, Chevron Corporation, Kern County, CA, 2012, \$75K:** Conducted presence absence subsurface test excavations within CA-KER-829. Role: Field Director

**\*Staff Archaeologist, Class III Inventory of the E&M Lease, Kern County, Plains Exploration and Production Company, Kern County, CA, 2011, \$50K:** Conducted field inventory of 640 acres. Role: Field Director

**\*Staff Archaeologist, Class III Inventory Chevron North Midway Generating Station Archaeological Survey, Lost Hills, Kern County, CA, 2011, \$20K:** Conducted archaeological survey and archival research for the new generating station (~5-acres) and assisted in the preparation of a technical report detailing the findings. Role: Field Director

**\*Staff Archaeologist, Class III Inventory Chevron Lost Hills Well Pad Archaeological Survey, Lost Hills, Kern County, CA, 2011, \$20K:** Conducted archaeological survey and archival research for four well pad locations and assisted in the preparation of a technical report detailing the findings. Role: Field Director

**\*Staff Archaeologist, Class III Inventory Chevron USA/USL Archaeological Survey, Bakersfield, Kern County, CA, 2011, \$35K:** Conducted archaeological survey for 160-acre project site. Role: Field Director

\*Staff Archaeologist, Palo Verde Solar Project Cultural Resources Inventory, Blythe, Riverside County, California, 2011, >\$300K: As a crew leader, conducted archaeological survey, and site recordation as part of ongoing cultural resource inventory efforts. Role: Field Director

\*FIELD DIRECTOR Solar 1 and 3, Blythe, Riverside County, and Barstow, California, 2011, >\$600K: As a crew leader/field director, conducted archaeological survey, and site recordation as part of ongoing cultural resource inventory efforts. Role: Field Director

#### **SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)**

1160 6th Street Wetland and Cultural Assessment; San Luis Obispo County, California; Jeff VanLith. *Role: Cultural Resources Specialist.*

1262 North Dana Foothill Road Extended Phase I Study and Botanical Survey; Nipomo, San Luis Obispo County, California; Todd Edwards. *Role: Project Manager.*

1532 Hollister Lane Cultural Monitoring; Los Osos, San Luis Obispo County, California; Dos Osos Timber Works, Inc.. *Role: Project Manager.*

1745 Newhall Archaeological Monitoring Plan; Cambria, San Luis Obispo County, California; Edward McQuarrie. *Role: Project Manager.*

23rd Street Boone Residence Phase II Evaluation; Cayucos, San Luis Obispo County, California; Confidential Client. CONFIDENTIAL *Role: Project Manager.*

320 Stimson Street Phase I Archaeological Survey; Pismo Beach, San Luis Obispo County, California; New Horizon & Associates. CONFIDENTIAL *Role: Project Manager.*

370 Old Creek Road Biological and Cultural Resources; Cayucos, San Luis Obispo County, California; Mark Interian. *Role: Cultural Resources Specialist.*

396 South Court Street Phase I Archaeological Study; Los Osos, San Luis Obispo County, California; Jim Kreile. *Role: Project Manager.*

3rd Street DRMS Pipeline Replacement Archaeological Monitoring; San Luis Obispo County, California; Southern California Gas. SWCA conducted cultural resource monitoring for the project, which includes the replacement of a 1,178-foot segment of a 2-inch steel main pipe on 3rd Street between Santa Maria Avenue and Santa Lucia Avenue, tying in on Santa Ysabel Avenue, in the Baywood neighborhood of Los Osos. *Role: Cultural Resources Specialist.*

630 Dolliver Archaeological Monitoring Services; Pismo Beach, San Luis Obispo County, California; Frank and Joan Family LP. SWCA prepared an Archaeological Monitoring Plan and performed archaeological monitoring for a residential development project in Pismo Beach. *Role: Cultural Resources Specialist.*

750 Sleepy Farm Road Phase I Archaeological Survey; Paso Robles, San Luis Obispo County, California; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

ADA Ramps and Street Reconstruction Archaeological Monitoring; Monterey, Monterey County, California; City of Monterey. *Role: Project Manager.*

AG Creek Waterway Management Program and Environmental Impact Report; Arroyo Grande, San Luis Obispo County, California; San Luis Obispo County. *Role: Cultural Resources Specialist.*

Citywide Sidewalk Repair Archaeological Mitigation; Monterey, Monterey County, California; City of Monterey. *Role: Project Manager.*

Scott Larkin Cooper Archaeological Monitoring; Monterey, Monterey County, California; City of Monterey. *Role: Project Manager.*

Arroyo Grande Phase V Expansion Environmental Impact Report; Rural, San Luis Obispo County, California; Marine Research Specialists. SWCA is preparing the aesthetics, agricultural resources, biological resources, cultural resources, population and housing, public services and utilities, land use and recreation, and policy consistency analysis of the EIR. The project is located on both sides of Price Canyon Road, extending approximately 1 mile to the north and south of Ormonde Road, northeast of the City of Pismo Beach. *Role: Archaeologist.*

**AT&T Fiber Optic Cable Route SLO to LA Supplemental Environmental Impact Report; San Luis Obispo County, California; San Luis Obispo County.** SWCA prepared an EIR in 2002 and a Supplemental EIR and Summary Supplemental EIR in 2011 for a 242-mile cable installation project to improve communications services between San Luis Obispo to Los Angeles. Key issues included biological resources and drainage/wetland concerns associated with new alignments, and the need to evaluate the project under multiple local, regional and state regulatory settings and policies. *Role: Cultural Resources Specialist. Conducted cultural resources surveys and prepared the cultural resources section of the EIR.*

**Banducci Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 3-mile stretch of Banducci Road, from the intersection of Bear Valley Road west to the intersection of Parelli Road in the unincorporated area of Cummings Valley. *Role: Cultural Resources Specialist.*

**Barkley Residence -Arch and Bio Survey; San Luis Obispo County, California; Dos Osos Timber Works, Inc.** *Role: Cultural Resources Specialist.*

**Belgian Anticline 3D; Kern County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Bello Bridge Replacement Environmental Services; Pismo Beach, San Luis Obispo County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the replacement of the Bello Street Bridge over Pismo Creek in the city of Pismo Beach. *Role: Cultural Resources Specialist.*

**Bob Jones Pathway Initial Study Mitigated Negative Declaration; San Luis Obispo To Avila Beach, San Luis Obispo County, California; City of San Luis Obispo.** *Role: Archaeologist.*

**Bob Jones Pathway NEPA and CEQA Studies PS-891; San Luis Obispo To Avila Beach, San Luis Obispo County, California; San Luis Obispo County.** SWCA prepared the technical studies necessary to satisfy NEPA and CEQA requirements for construction of the Phase II of the Bob Jones Pathway, a Class I and Class III pedestrian/bicycle trail connecting the city of San Luis Obispo and the community of Avila Beach. Studies prepared included a Caltrans NES, BA, California Red-Legged Frog Survey Report, Wetland Assessment, Visual Impacts Study, Farmland Report, and Section 106 studies (historical and archaeological reports). *Role: Cultural Resources Specialist.*

**City of San Luis Obispo Bob Jones Trail Octagon Barn Connection; San Luis Obispo, San Luis Obispo County, California; Alta Planning + Design.** *Role: Cultural Resources Specialist.*

**Branch Mill Bridge Replacement Project; Arroyo Grande, San Luis Obispo County, California; Quincy Engineering.** SWCA provided environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the bridge replacement project located over Tar Springs Creek in the city of Arroyo Grande. *Role: Cultural Resources Specialist.*

**Butano Creek Bridge Feasibility Study; Pescadero, San Mateo County, California; Quincy Engineering.** SWCA compiled background data for the project, ultimately proposing a two-phased approach to complete the feasibility-level environmental evaluation of the project consisting of an initial constraint memorandum, mapping, and a detailed environmental review to be incorporated into the study. SWCA also prepared a Preliminary Environmental Analysis Report (PEAR) to determine initial environmental constraints for incorporation into the Draft Feasibility Study Report (FSR). *Role: Cultural Resources Specialist.*

**Cachagua Road Emergency Repair; Monterey County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of a Biological Resources Survey Report and Archaeological Survey Report, for the emergency road repair project, which includes emergency repairs to approximately 150 feet of collapsed roadway of Cachuaga Road in Carmel Valley. *Role: Cultural Resources Specialist.*

**City of Marina Cal Am Temporary Slant Test Well Project; Marina, Monterey County, California; City of Marina.** SWCA is preparing a Mitigated Negative Declaration/Environmental Assessment and technical studies for the slant test well project, located on the coast of the city of Marina, which will provide geologic, hydrogeologic, and water quality characteristics of local aquifers. *Role: Cultural Resources Specialist.*

**Cal Poly AT&T Wireless Communication Facility Environmental Services; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Cal Poly Environmental Services 5-Year; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** Under a Master Enabling Agreement, SWCA has provided environmental services for various capital improvement and development projects on campus and surrounding University-owned properties. *Role: Cultural Resources Specialist.*

**Cal Poly Gold Tree Solar Initial Study Mitigated Negative Declaration; San Luis Obispo, San Luis Obispo County, California; Confidential Client.** CONFIDENTIAL *Role: Archaeological Specialist.*

**Cal Poly Oppenheimer Initial Study; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** SWCA is preparing an Initial Study for improvements to the equine center, environmental horticultural sciences, beef unit, and crops unit areas on approximately 55.62 acres of campus land. *Role: Cultural Resources Specialist.*

**Cal Poly Practice Field Initial Study; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Cal Poly Programmatic Permitting; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Cal Poly SLO Master Plan Update Environmental Impact Report; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**California City Boulevard Environmental Services; Bakersfield, Kern County, California; Kern County Public Works Department.** SWCA is providing biological and archaeological surveys for approximately 7 miles of road widening in Kern County. *Role: Cultural Resources Specialist.*

**Camarillo Airport Northeast Hangar Project Environmental Support; Camarillo, Ventura County, California; Coffman Associates, Inc.** SWCA prepared the biological and cultural resources reports for a utility extension and hangar development project at the Camarillo Airport. *Role: Cultural Resources Specialist.*

**Camp Three Falls Environmental Services; Ventura County, California; Ventura County Council, Boy Scouts of America.** *Role: Cultural Resources Specialist.*

**Cave Landing Bike Pathway - Phase I Cultural Resource Inventory; San Luis Obispo County, California; San Luis Obispo County.** SWCA conducted a Phase I Cultural Resource Inventory for a 0.37-mile path that will provide bicycle and pedestrian access from southern Avila Beach to northern Pismo Beach. *Role: Cultural Resources Specialist.*

**Cayucos Land Conservancy Environmental Surveys; Cayucos, San Luis Obispo County, California; Cayucos Land Conservancy.** *Role: Cultural Resources Specialist.*

**Chorro Creek Stream Gage Permitting Services; Morro Bay, San Luis Obispo County, California; Water Systems Consulting, Inc..** SWCA prepared a biological resources assessment; permit applications for the CDFW, USACE, and RWQCB; and a CEQA IS/MND for the project, which proposes to install two concrete weirs and two low-flow stream gages at two locations within Chorro Creek near the city of Morro Bay. *Role: Cultural Resources Specialist.*

**City of Arroyo Grande Bridge Street Project; Arroyo Grande, San Luis Obispo County, California; Quincy Engineering.** SWCA provided environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the project, which will replace the existing bridge crossing Arroyo Grande Creek near the intersection of West Branch Street and Bridge Street in the city of Arroyo Grande. *Role: Cultural Resources Specialist.*

**City of Paso Robles Tertiary Water Distribution Lines Environmental Review; Paso Robles, San Luis Obispo County, California; City of Paso Robles.** *Role: Cultural Resources Specialist.*

**City of Paso Robles Tertiary Treatment Facilities Project - Section 106; Paso Robles, San Luis Obispo County, California; City of Paso Robles.** SWCA is preparing an IS/MND and Section 106 compliance documents, and providing Section 7 Consultation for the project, which consists of upgrades to the existing wastewater treatment plant to produce tertiary 2.2 quality recycled water, as defined by California's Title 22 recycled water regulations, to provide for recycling of some or all of the water, instead of discharging it to the Salinas River, and support the use of recycled water in the City. *Role: Cultural Resources Specialist.*

**Paso Robles Wastewater Treatment Plant Monitoring; Paso Robles, San Luis Obispo County, California; City of Paso Robles.** *Role: Cultural Resources Specialist.*

**Collins Biological and Archaeological Monitoring; Los Osos, San Luis Obispo County, California; Jim Collins.** SWCA conducted Morro shoulderband snail monitoring and a Phase III archaeological program for a small residential construction project. *Role: Cultural Resources Specialist.*

**ConsciousBuild Atascadero Additional Parcels Environmental Services; Atascadero, San Luis Obispo County, California; ConsciousBuild, Inc.** *Role: Cultural Resources Specialist.*

**ConsciousBuild Atascadero Halcon Development Environmental Support; Atascadero, San Luis Obispo County, California; ConsciousBuild, Inc.** *Role: Cultural Resources Specialist.*

**County of San Mateo Princeton Planning Update; Moss Beach, El Granada, San Mateo County, California; Dyett & Bhatia.** SWCA is preparing Background Studies for the proposed Planning Update, which will be incorporated into an Environmental Constraints and Opportunities Report. SWCA is addressing natural resources, aesthetic resources, cultural resources, and natural hazards. *Role: Cultural Resources Specialist.*

**Crestwood California Gas Gathering System CIA; Kern County, California; Crestwood Midstream Partners, LP.** SWCA conducted biological and cultural resources surveys and permitting support for the replacement of an approximately 2.25-mile section of natural gas pipeline within the existing pipeline right-of-way along Dustin Acres Road and undeveloped areas on both sides of Highway 119 northeast of the city of Taft. *Role: Cultural Resources Specialist.*

**Cuesta College Sewer Project Environmental Studies; San Luis Obispo County, California; Cuesta College.** SWCA provided environmental background studies, environmental documentation, and permitting services for the project, which involved replacement of a 3,600-foot section of the existing sewer line that crosses Chorro Creek before connecting with the California Men's Colony wastewater treatment facility. *Role: Cultural Resources Specialist. Conducted cultural resources monitoring and prepared a Phase I Cultural Resources Survey Report.*

**Arroyo Grande PSEP Cultural Resources Support; San Bernardino County, California; CH2M Hill.**

**DANA Extended Phase I Survey; Nipomo, San Luis Obispo County, California; Confidential Client.** SWCA conducted an Extended Phase I subsurface survey near an archaeological site at the Dana Adobe in Nipomo, and prepared a technical report to supplement the existing Phase I survey report. *Role: Cultural Resources Specialist.*

**DANA Master Plan IS-MND; Nipomo, San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Del Rio Road Area Specific Plan (Atascadero Walmart) Environmental Impact Report; San Luis Obispo County, California; Michael Brandman Associates.** SWCA prepared the Aesthetics, Biological Resources, and Cultural Resources sections and supporting technical studies of the Del Rio Road Area Specific Plan EIR in the city of Atascadero. *Role: Cultural Resources Specialist.*

**Diablo Canyon As-Graded Access Road Permitting; Avila Beach, San Luis Obispo County, California; Cannon.** *Role: Cultural Resources Specialist.*

**Dinosaur Caves Parking Lot Archaeological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** *Role: Cultural Resources Specialist.*

**Dubbink 1147 9th Street Phase I Archaeological Survey; Los Osos, San Luis Obispo County, California; Bob Semonsen.** *Role: Cultural Resources Specialist.*

**Dubbink 1147 9th Street Phase III Data Recovery Work Plan and Monitoring; Los Osos, San Luis Obispo County, California; Bob Semonsen.** *Role: Cultural Resources Specialist.*

**El Porvenir Water Systems Consolidation Project Environmental Services; Cantua Creek, Fresno County, California; County of Fresno Department of Public Works.** SWCA is preparing technical studies for the Cantua Creek Water System Improvements Project in support of the Drinking Water State Revolving Fund Environmental Package for the Fresno County Department of Public Works. *Role: Cultural Resources Specialist.*

**Elfin Forest Fence Installation; Los Osos, San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Estrella Substation and Paso Robles Area Reinforcement Project; Paso Robles, San Luis Obispo County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Excelaron Project Environmental Impact Report; Arroyo Grande, San Luis Obispo County, California; Marine Research Specialists.** SWCA prepared the Aesthetics, Agriculture, Biology, Cultural Resources, Land Use, Population and Housing, and Public Services sections of the EIR; responded to public and agency comments on the Draft EIR; and supported the project team and County during a series of public hearings for the project, which included a phased plan to explore, test, and possibly produce oil on approximately 260 acres in Huasna Valley. *Role: Cultural Resources Specialist. Conducted a cultural resource survey, co-authored a CEQA level technical report detailing the findings of the study, and authored the Cultural Resources section of the EIR.*

**PG&E Exchequer-Yosemite Reliability Upgrades Land Planning Support; Mariposa County, California; Pacific Gas and Electric Company.** SWCA is providing biological resource survey, land planning, permitting, agency coordination, and environmental document preparation support for upgrades along the Exchequer-Yosemite 70 kV transmission line. *Role: Cultural Resources Specialist.*

**Freeport-McMoran Hyla Bridge Initial Study Mitigated Negative Declaration; Arroyo Grande/Pismo Beach, San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Goleta Beach Park Bridge Replacement Environmental Studies; Goleta, Santa Barbara County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the replacement of the existing bridge over the Goleta Slough between Sandspit Road and Goleta Beach Park. *Role: Cultural Resources Specialist.*

**Goleta Beach Park Bridge Replacement Environmental Studies; Goleta, Santa Barbara County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the project, which will replace the existing bridge over the Goleta Slough between Sandspit Road and Goleta Beach Park. *Role: Cultural Resources Specialist.*

**Hildreth Creek Quarry; Madera, Madera County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Grover Beach Lodge and Conference Center NEPA Document; Grover Beach, San Luis Obispo County, California; City of Grover Beach.** *Role: Cultural Resources Specialist.*

**Hacienda Drive Phase I Study; Cayucos, San Luis Obispo County, California; Scott Rebstock.** *Role: Cultural Resources Specialist.*

**Half Moon Bay Airport Surveys; Moss Beach, San Mateo County, California; Coffman Associates, Inc.** SWCA conducted habitat assessment, rare plant surveys, and nesting bird surveys; prepared associated resource survey reports; and managed and conducted biological monitoring and reporting for numerous species including CRLF during electric transmission line reliability upgrades along two electric transmission line segments in Mendocino and Sonoma Counties. *Role: Cultural Resources Specialist.*

**Half Moon Bay Airport Task 3, Taxiways; Moss Beach, San Mateo County, California; Coffman Associates, Inc.** SWCA conducted biological and cultural resource surveys and permitting assistance for construction of new taxiways, an access road, and drainage and fence improvements at the airport. *Role: Cultural Resources Specialist.*

**City of Half Moon Bay General Plan Update; Half Moon Bay, San Mateo County, California; Dyett & Bhatia.** SWCA is preparing an Existing Conditions Report and EIR sections for the project, which includes updates to the City's Land Use, Conservation, Open Space, Noise, and Housing Elements. SWCA is assessing the following: aesthetics, light, and glare; biological resources; cultural resources; geology, soils and seismicity; and, hydrology and water quality. *Role: Cultural Resources Specialist.*

**Harmony Wireless Colocation Visual Analysis; Cambria, San Luis Obispo County, California; TeleSpan Communications, LLC.** *Role: Cultural Resources Specialist.*

**Hawley-Peachy Canyon Phase I Archaeological Survey; Paso Robles, San Luis Obispo County, California; Kirk Consulting.** *Role: Cultural Resources Specialist.*

**Heath Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 1.5-mile stretch of Heath Road, from the intersection of Highway 58 south to the intersection of Johnson Road in the unincorporated area of Rosedale.

*Role: Cultural Resources Specialist.*

**Heritage Ranch Community Services District Emergency Waterline CEQA; Paso Robles, San Luis Obispo County, California; Heritage Ranch Community Services District.** *Role: Cultural Resources Specialist.*

**Highway 1 Interpretive Signs NEPA Studies - Work Element No. 5330; Cambria, San Luis Obispo County, California; San Luis Obispo Council of Governments.** SWCA is preparing archaeological and biological studies to support the project, which includes the installation of interpretive signs and pedestals at 15 locations along the San Luis Obispo North Coast Scenic Byway Corridor, from the Morro Bay Harborwalk to Piedras Blancas. *Role: Cultural Resources Specialist.*

**Highway 46 Warehouse Environmental Impact Report; Lost Hills, Kern County, California; Kern County.** SWCA is preparing a project level EIR for the proposed project, which includes the development of a 112-acre site with two logistics facility buildings and associated parking areas, driveways, detention ponds, and landscaping. A warehouse distribution center is expected to be developed in the future. *Role: Archaeologist. Conducted Phase I archaeological survey, prepared report of findings, and is preparing cultural resources section of the EIR.*

**Higuera Street Widening Project Environmental Services; San Luis Obispo, San Luis Obispo County, California; Omni-Means, Ltd.** *Role: Cultural Resources Specialist.*

**Hollister Avenue Bridge Seismic Retrofit Project NES-MI and Section 106; Santa Barbara County, California; Santa Barbara County.** SWCA conducted a biological survey, prepared a natural environmental study (minimal impact), and prepared all supporting studies and documents for Section 106 consultation for the project, which proposes to increase the lateral movement capacity of a Union Pacific Railroad bridge. *Role: Cultural Resources Specialist.*

**Holloway Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 10-mile segment of Holloway Road from the intersection of State Route 46 north to Twisselman Road northwest of the community of Lost Hills. *Role: Cultural Resources Specialist.*

**Indian Flat Substation Expansion Cultural Resources Support; Mariposa County, California; Pacific Gas and Electric Company.** SWCA conducted an Expanded Historical Resources Evaluation of the Exchequer-Yosemite 70kV transmission line and associated facilities, specifically the Indian Flat Substation. *Role: Cultural Resources Specialist. In consultation with PG&E cultural resources staff, conducted a records search, background research, and field survey.*

**PG&E Indian Flat Substation Expansion Permitting Support; Mariposa County, California; Pacific Gas and Electric Company.** *Role: Project Manager.*

**Kerckhoff-Clovis-Sanger Reliability Project Environmental Support; Fresno County, California; Pacific Gas and Electric Company.** SWCA provided permitting, land planning, environmental document review, and biological resource survey support for electric transmission line reliability upgrades along the Kerckhoff-Clovis-Sanger 115 kV transmission line. *Role: Cultural Resources Specialist.*

**Laing Archaeological Survey; Morro Bay, San Luis Obispo County, California; Pacific Southwest Community Development Corporation.** Use Project Name: 555 Main Street Housing Project

SWCA conducted a cultural resources assessment for the development of a 0.4-acre parcel at the northwest corner of Main and Driftwood Streets in the city of Morro Bay. *Role: Cultural Resources Specialist.*

**Lambert Substation CEQA Assistance; Standish, Lassen County, California; Navigant Consulting, Inc.** SWCA conducted biological and cultural resource surveys to support an Initial Study/MND for the Lassen Municipal Utility District (LMUD) for the Lambert Substation project. *Role: Cultural Resources Specialist. Conducted a records search, Native American Consultation, and background and archival research.*

**Line 21 E Tomki Road Relocation Cultural Resources Survey; Mendocino County, California; Pacific Gas and Electric Company.** SWCA conducted habitat assessment, wetland delineation, rare plant, and northern spotted-owl surveys and prepared associated technical documents to support realignment of approximately 1,000 feet of natural gas pipeline 21E near Tomki Road in Mendocino County that was damaged in a recent landslide. SWCA also prepared permit application packages for CDFW, USACE, and RWQCB, and will conduct construction monitoring and reporting. *Role: Cultural Resources Specialist. Conducted a cultural resource survey and co-authored a Section 106 level technical report.*

**Loperena Environmental Impact Report; Cayucos, San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Marina Airport Master Plan Update Resource Surveys; Marina, Monterey County, California; Coffman Associates, Inc.** SWCA is conducting biological and cultural resources surveys and studies in support of a Master Plan Update at the Marina Airport. Tasks include habitat assessment surveys, habitat mapping, cultural resources records search and literature reviews, initial Native American consultation, agency and stakeholder coordination, and reporting. SWCA was retained by Coffman Associates, to provide environmental consulting services consisting of a cultural resources constraints study in support of the Marina Airport Master Plan Update. The study was prepared for a programmatic-level view of future activities at the Marina Airport under the updated Master Plan. It included study includes a cultural resources records search, initial Native American coordination, and the preparation of this report documenting the results of the research and providing management recommendations. *Role: Cultural Resources Specialist. Conducted records search and literature review, and prepared constraints analysis.*

**Morro Bay to Cayucos EIR Optional Tasks; San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Meadows Field Airport Categorical Exemption Environmental Support; Bakersfield, Kern County, California; Coffman Associates, Inc.** SWCA is conducting biological and cultural resource surveys at BFL to support categorical exemption for the airport's Runway Reconstruction and Drainage Improvements Project. *Role: Cultural Resources Specialist.*

**Meetings with County Staff; San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Monterey Airport Infield Rehabilitation Cultural Resources Study; Monterey County, California; Coffman Associates, Inc.** SWCA provided cultural resources services for the project, which includes the installation of artificial aviation turf or other materials such as crushed aggregate or chipseal on the infields of Runway 10R-28L of the airport, located in the city of Monterey. *Role: Cultural Resources Specialist. Conducted literature review, archival research, and field survey, and prepared a cultural resources survey report.*

**Monterey Airport Master Plan Biological and Cultural Studies; Monterey, Monterey County, California; Coffman Associates, Inc.** SWCA analyzed the potential biological and cultural resources impacts of the proposed Safety and Enhancement Project (terminal projects) and Airport Master Plan (AMP). The proposed terminal projects include shifting Taxiway A, relocating the terminal and Airport Rescue and Fire buildings, and other connected actions. The AMP, a facility-level planning study, sets a conceptual framework for possible future airport development within the AMP's 20-year planning horizon. *Role: Cultural Resources Specialist.*

**Monterey Peninsula Airport Runway Safety Area Improvement Project; Monterey, Monterey County, California; Coffman Associates, Inc.** SWCA provided biological, paleontological, and archeological support, including CEQA and NEPA compliance documents, for the federally-funded project, located on approximately 38.5 acres of the 597-acre property located in the city of Monterey. *Role: Cultural Resources Specialist.*

**Monterey Peninsula Water Supply Project EIR/EIS Review; Multiple Counties, California; City of Marina.** *Role: Cultural Resources Specialist.*

**Morro Bay Golf Course Waterline Project Archaeological Survey; Morro Bay, San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Morro Bay State Park Waterline Interconnect Phase I Archaeological Report; Morro Bay, San Luis Obispo County, California; City of Morro Bay.** *Role: Cultural Resources Specialist.*

**PG&E Morro Bay Substation Security Fence Biological Monitoring; Morro Bay, San Luis Obispo County, California; Pacific Gas and Electric Company.** *Role: Cultural Resources Specialist.*

**Morro Bay Substation Security Fence Cultural Resources Monitoring; Morro Bay, San Luis Obispo County, California; Surf 2 Snow Environmental Resource Management.** *Role: Cultural Resources Specialist.*

**Morro Bay Substation Security Fence Cultural Resources Monitoring; Morro Bay, San Luis Obispo County, California; Surf 2 Snow Environmental Resource Management.** *Role: Project Manager.*

**Morro Bay to Cayucos Connector Environmental Impact Report; Morro Bay, San Luis Obispo County, California; San Luis Obispo County.** SWCA prepared an EIR evaluating a proposed 1.25-mile-long segment of a bike trail extending along Highway 1, in the vicinity of the city of Morro Bay and the unincorporated community of Cayucos. *Role: Cultural Resources Specialist. Reviewed and incorporated existing information from the Environmental Constraints Analysis into the document, conducted an Extended Phase I Survey and report, and assisted in the preparation of the Cultural Resources section of the EIR.*

**North San Luis Obispo Coastal Trail Constraints Analysis; San Luis Obispo County, California; Alta Planning + Design.** SWCA prepared an environmental constraints analysis addressing land use, agricultural resources, biological resources, cultural resources, and geologic hazards of a 35-mile-long section of the California Coastal Trail in San Luis Obispo County. *Role: Cultural Resources Specialist.*

**NextEra CAISO Substations Application Support; Multiple Counties, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**North American Electric Reliability Corporation (NERC) Program Area Lead and Biology Support; Multiple Counties, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**Oak Shores Wastewater Treatment Plant Upgrade SEIR Project; Lake Nacimiento, San Luis Obispo County, California; San Luis Obispo County.** SWCA is preparing a Supplemental EIR for the construction of a wastewater treatment facility in the Oak Shores community of Paso Robles, due to an increased survey area (from 10 to 24 acres), and more intensive spring floristic botanical surveys, wildlife surveys, and detailed oak tree mapping are required. The original EIR prepared by SWCA was certified in 2008. *Role: Cultural Resources Specialist.*

**Oak Tree Village Specific Plan Environmental Services; Tehachapi, Kern County, California; PT1 Ventures, LLC.** SWCA is preparing biological studies and an EIR for the Oak Tree Village Specific Plan, assessing the environmental impacts of the project, which consists primarily of a senior housing development on approximately 210 acres located north of State Route 58 and east of the Capitol Hills area in Tehachapi. *Role: Cultural Resources Specialist.*

**Obispo 400 Biological and Cultural Resources Assessment; Arroyo Grande, San Luis Obispo County, California; Obispo 400, LLC.** *Role: Archaeological Specialist.*

**Octagon Barn Center; San Luis Obispo County, California; The Land Conservancy of San Luis Obispo.** SWCA conducted a biological resources assessment, cultural resource technical report, and built environment technical report for a proposed development at The Octagon Barn Center located in an unincorporated area of the San Luis Obispo County. The project was completed pursuant to the statutes and guidelines of CEQA. *Role: Cultural Resources Specialist.*

**Packwood Creek Trail Archaeological Survey Report; Visalia, Tulare County, California; City of Visalia.** *Role: Cultural Resources Specialist.*

**Pankey Conditional Use Permit (CUP) Environmental Impact Report; San Luis Obispo County, California; San Luis Obispo County.** *Role: Cultural Resources Specialist.*

**Paso Robles Water Treatment Plant Environmental Support; Paso Robles, San Luis Obispo County, California; AECOM, Inc.** *Role: Cultural Resources Specialist.*

**Pecho Road Phase 1 Cultural Survey; Los Osos, San Luis Obispo County, California; J&M Land Restoration.** *Role: Cultural Resources Specialist.*

**PG&E Cressey - Gallo 115kV Power Line Project; Livingston, Merced County, California; Pacific Gas and Electric Company.** SWCA is providing pre-construction compliance document preparation, including the development of an Environmental Compliance Management Plan (ECMP), compliance matrix, training program, western red bat survey methodology, and biological and cultural surveys. The SWCA team is

also providing environmental inspection, biological survey and monitoring, and paleontological monitoring. *Role: Cultural Resources Specialist. Conducted background research, surveyed cultural areas, and prepared a cultural resources memo.*

**PG&E Estrella Substation and Paso Robles Area Reinforcement Project Proponent's Environmental Assessment; Paso Robles, San Luis Obispo County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**PG&E Giffen Solar Photovoltaic Site PEA; Fresno County, California; Confidential Client.** SWCA prepared a Proponent's Environmental Assessment (PEA) for a 20-megawatt solar facility and generation interconnection projects located in the San Joaquin Valley, on behalf of an electric utility company. *Role: Cultural Resources Specialist. Conducted a records search, Native American Consultation, and background and archival research, and prepared the Cultural Resources section of the PEA.*

**PG&E Insulator Replacement Program; Fresno County, California; Pacific Gas and Electric Company.** SWCA is supporting PG&E by performing due diligence and environmental/regulatory compliance services for the replacement of insulators on 100 500KV/230KV Towers. *Role: Cultural Resources Specialist.*

**Line 21E Replacement/Relocation Tomki Road Environmental Services; Mendocino County, California; Pacific Gas and Electric Company.** *Role: Cultural Resources Specialist. Conducted a records search, Native American Consultation, and background and archival research, and was primary author for technical report.*

**PG&E NERC Program Support; Multiple Counties, California; ARCADIS U.S., Inc.** SWCA is providing cultural resource review, environmental worker training, and archaeological monitoring and services to PG&E and Arcadis. *Role: Cultural Resources Specialist.*

**Phillips 66 Railroad Project Environmental Services; Nipomo, San Luis Obispo County, California; Marine Research Specialists.**

SWCA prepared six EIR sections, as a sub-consultant to Marine Research Specialists, Inc., for a proposed rail spur extension and rail crude oil unloading facility that would be located at the Santa Maria Refinery, and a provision of vertical Coastal Access through the site near the Oceano Dunes. *Role: Cultural Resources Specialist. Reviewed and incorporated existing information from multiple cultural resources reports prepared for the project. Facilitated communication with the local Native American community and the applicant to avoid all impacts to archaeological resources for the project. Prepared the Cultural Resources section of the EIR.*

**Pismo Beach Regional Groundwater Sustainability Program Environmental Impact Report; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA is preparing an EIR evaluating development of a regional groundwater sustainability program for the City of Pismo Beach. The project would include upgrades to the City's existing wastewater treatment facility, development of new distribution pipelines, and injection wells to inject treated water into the groundwater table to supplement groundwater supply. The City plans to utilize the State Water Resources Control Board's Water Recycling Funding Program and Clean Water State Revolving Fund Program to finance the proposed program. *Role: Archaeologist.*

**Point San Luis Lighthouse Road Monitor; San Luis Obispo County, California; Port San Luis Harbor District.** *Role: Cultural Resources Specialist. Conducted cultural monitoring and co-authored technical report of monitoring findings.*

**Poly Canyon Village Five Year Monitoring; San Luis Obispo, San Luis Obispo County, California; California Polytechnic State University.** *Role: Cultural Resources Specialist.*

**Prado Road Bridge Widening Consultant Services Phase II; San Luis Obispo, San Luis Obispo County, California; Wallace Group.** *Role: Cultural Resources Specialist.*

**Price Canyon Water Main Replacement Archaeological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA conducted cultural surveys and construction monitoring for the project, which replaced several sections of water line within the sensitive prehistoric archaeological sites along Price Canyon Road, Dell Court and Solar Way. *Role: Cultural Resources Specialist.*

**Price House Parking Lot Archaeological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** *Role: Cultural Resources Specialist.*

**Renfro Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 1.5-mile stretch of Renfro Road, from the intersection of Highway 58 south to the intersection of Johnson Road in the unincorporated area of Rosedale. *Role: Cultural Resources Specialist.*

**Reservoir 6 MND and Phase One Arch Study; Arroyo Grande, San Luis Obispo County, California; Wallace Group.** SWCA prepared an Initial Study/Mitigated Negative Declaration, Phase I Cultural Resources Survey and Report, and Biological Survey and Report for the site preparation and construction of a municipal water storage tank in the city of Arroyo Grande. *Role: Cultural Resources Specialist.*

**Monterey Intersections Archaeology Review New Locations 1-19; Monterey, Monterey County, California; City of Monterey.** *Role: Project Manager.*

**Rowlee Road (South of Lerdo) Biological and Archaeological Surveys; Kern County, California; Kern County Public Works Department.** SWCA conducted biological and archaeological surveys and reporting on a road improvement project in Bakersfield. *Role: Archaeologist.*

**Rowlee Road Biological and Archaeological Surveys; Bakersfield, Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 7-mile stretch of Rowlee Road from the intersection at Lerdo Highway north to Highway 46, in the unincorporated area of Wasco. *Role: Cultural Resources Specialist.*

**Nipomo PG&E Env. Studies; San Luis Obispo County, California; SAC Wireless LLC.** SWCA conducted biological surveys, Phase I archaeological surveys, and a visual impact assessment for the construction of an automated wireless communication facility in the community of Nipomo. *Role: Cultural Resources Specialist. Conducted a cultural resource survey and co-authored a Section 106 level technical report.*

**San Miguel CSD Water Tank and Water Supply Well CEQA/NEPA; San Luis Obispo County, California; Wallace Group.** *Role: Cultural Resources Specialist.*

**Santa Lucia Road Bridge Replacement Environmental Services Project; Atascadero, San Luis Obispo County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the replacement of the Santa Lucia Road Bridge over Graves Creek in Atascadero.

**Seawall Archaeological and Biological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** *Role: Cultural Resources Specialist.*

**Shafter Ave. Shoulders Archaeological Study Report; Kern County, California; Kern County Public Works Department.** *Role: Cultural Resources Specialist.*

**Shell Beach Road Streetscape - Phase 1 Environmental Documents; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies and permitting, for the reconstruction of an 18-block section of Shell Beach Road between Cliff Avenue and Terrace Avenue in downtown Shell Beach. Due to sensitive archaeological resources in the area, SWCA also performed an Extended Phase I Archaeological Survey of the project area at the request of Caltrans. *Role: Cultural Resources Specialist.*

**Signal Hill LLC Residence Environmental Impact Report; Pebble Beach, Monterey County, California; County of Monterey.** SWCA is preparing an EIR evaluating development of a proposed single-family residence, located off 17-Mile Drive in Pebble Beach, and restoration of the remainder of the property to native dune habitat. The project includes demolition of an existing residence that is listed in the California Register of Historic Places and has been determined eligible for listing on the National Register of Historic Places. *Role: Cultural Resources Specialist.*

**SLO-499 Extended Archaeological Phase I Survey; San Luis Obispo County, California; Surf 2 Snow Environmental Resource Management.** *Role: Cultural Resources Specialist.*

**SLO-499 Extended Archaeological Phase I Survey; San Luis Obispo County, California; Surf 2 Snow Environmental Resource Management.** *Role: Project Manager.*

**Solari Sand and Gravel Project EIR; Kern County, California; Kern County.** SWCA is conducting a peer review of technical studies and preparing an EIR for a proposed 543-acre aggregate mining project that includes sand and gravel extraction, asphalt concrete and Portland cement concrete production plants, and asphalt and concrete recycling operations, located in the central area of southern Kern County, where the San Joaquin Valley converges with the foothills of the Tehachapi Mountains. *Role: Cultural Resources Specialist.*

**SSLOCSD Long Range Plant Exp Initial Study/Neg Declaration; Oceano, San Luis Obispo County, California; Wallace Group.** *Role: Cultural Resources Specialist. Conducted a cultural resource survey for the proposed project area and produced a CEQA level technical report detailing the findings of the study.*

**PG&E Panoche Valley Solar Project Support Services (Stantec); San Benito County, California; Surf 2 Snow Environmental Resource Management.** PARTIALLY CONFIDENTIAL. SWCA provided cultural resources monitoring for construction activities. *Role: Cultural Resources Specialist.*

**Highway 41/1/Main Street Intersection Improvement Project Environmental Services; Morro Bay, San Luis Obispo County, California; Omni-Means, Ltd..** *Role: Cultural Resources Specialist.*

**Strother Park Rain Garden Project Phase I Archaeological Survey; Arroyo Grande, San Luis Obispo County, California; City of Arroyo Grande.** *Role: Project Manager.*

**Small Wilderness Area Preservation Elfin Forest Archaeological Monitoring; Los Osos, San Luis Obispo County, California; Small Wilderness Area Preservation (SWAP).** SWCA conduct archaeological monitoring for a trail project, including the construction of handrails and steps within the existing trail system, within the Elfin Forest in Baywood Park. *Role: Cultural Resources Specialist.*

**Tehachapi Municipal Airport South Taxiway Rehabilitation; Mojave, Kern County, California; Coffman Associates, Inc.** SWCA is providing biological, cultural, and wetland delineation surveys and reports to support preparation of an Environmental Assessment for a taxiway relocation/rehabilitation. *Role: Cultural Resources Specialist.*

**Twin Cities Road Phase I Archaeological Survey; Galt, Sacramento County, California; City of Galt.** SWCA performed a Cultural Resources Study for the Twin Cities Road Widening Project in the city of Galt. *Role: Cultural Resources Specialist.*

**Twisselman Road Biological and Archaeological Survey; Kern County, California; Kern County Public Works Department.** Under an on-call contract with Kern County Roads, SWCA conducted biological and archaeological surveys and reporting on a road improvement project along a 7-mile segment of Twisselman Road from King Road to Interstate 5 near the community of Lost Hills. *Role: Cultural Resources Specialist.*

**Van den Berg Cultural Resources Evaluation; Cayucos, San Luis Obispo County, California; Jonathan van den Berg.** *Role: Project Manager.*

**Via Avenue Bridge Replacement Environmental Services Project; Atascadero, San Luis Obispo County, California; Quincy Engineering.** SWCA is providing environmental services, including preparation of all CEQA/NEPA documentation, technical studies, and permitting, for the replacement of the Via Avenue Bridge over Atascadero Creek in the city of Atascadero. *Role: Cultural Resources Specialist.*

**Vintner Solar Farm Project; San Luis Obispo, San Luis Obispo County, California; Ecos Energy, LLC.** *Role: Cultural Resources Specialist.*

**West Creek Development Biological Studies; San Luis Obispo, San Luis Obispo County, California; Robbins Reed, Inc..** *Role: Cultural Resources Specialist.*

## Katie Martin, B.A., Archaeologist / Field Director

Mrs. Martin is a Field Director at SWCA's Las Vegas, Nevada office. She was previously based in the Pasadena, California office from 2009 to 2013. Ms. Martin graduated from the University of California Santa Barbara where she obtained a Bachelor of Arts degree in Cultural Anthropology (emphasis in Archaeology) with high honors.

Mrs. Martin has more than seven years of professional archaeological experience in report writing, performing file searches, survey, excavation, monitoring and laboratory processes in regions of Nevada, California, Arizona, New Mexico, and Idaho. As a permitted Field Director, Mrs. Martin has been responsible for organizing and leading field projects, crew supervision, assigning crew duties, managing field logistics, and organizing field equipment. Furthermore, she works in support of compliance with the National Environmental Policy Act (NEPA) and Sections 106 and 110 of the National Historic Preservation Act (NHPA).

In addition, Mrs. Martin contributes to technical reports, prepares IMACS and California Department of Parks and Recreation (DPR) series 523 forms and conducts Class I literature reviews. Additionally, she has several years of experience with GPS and GIS technology, site mapping with a total station, and lithic analysis. Moreover, she helps with Natural Resources surveys including tortoise, plant restoration, cactus and yucca, and jurisdictional waters surveys. Mrs. Martin has more than 15 months of field experience in California alone.

### SELECTED PROJECT EXPERIENCE

**ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities.* Duration 3 weeks.

**ACE San Gabriel Trench Cultural Resources Management Services; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National and California Registers listed San Gabriel Mission site. *Role: Crew Chief / Archaeologist. Conducted cultural test excavation units for future excavation activities. Supervised crews during data recovery, assigned crew duties, site recordation, and QA/QC of paperwork.* Duration 5 months.

**Airport Metro Connector Impacts Analysis; Los Angeles County, California; Terry A. Hayes Associates, LLC.** The Los Angeles County Metropolitan Transportation Authority (Metro), Federal Transit Administration (FTA), Federal Aviation Administration (FAA) and Los Angeles World Airports (LAWA) have initiated an Alternatives Analysis (AA)/Draft EIS/Draft EIR for the Metro Green Line to Los Angeles International Airport (LAX) project. The AA/DEIS/DEIR is being prepared to comply with NEPA and CEQA. This study will examine potential connections between the planned Metro Crenshaw/LAX Transit Corridor Project's Aviation/Century Station and the LAX Central Terminal Area (CTA) located approximately one mile to the west. *Role: Cultural Resources Specialist. Assisted with paperwork.* Duration 2.50 hours.

**Baldwin Reid Adobe Grading CR Monitoring; Arcadia, Los Angeles County, California; Kelly Sutherlin**

**McLeod Architecture, Inc..** *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities. Duration 1.5 weeks.*

**Barry M. Goldwater Range- West Survey; Multiple Counties, Multiple States; NAVFAC SW.** *Role: Cultural Resources Specialist. Conducted archaeological surveys and recorded sites.*

**Belgian Anticline 3D; Kern County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist. Conducted archaeological surveys and recorded sites. Duration 3.25 weeks.*

**Blackstone Phase II; Brea, Orange County, California; Shea Homes, Inc..** SWCA provided cultural and paleontological monitoring, Phase I archaeological testing of 5 sites, archaeological feature recordation and recovery, and paleontological fossil recordation and recovery and cultural and paleontological technical reporting services to the multi-phase housing community. *Role: Crew Chief / Archaeologist. Supervised crews on data recovery project, QAQC of paperwork, and site recordation. Duration 4 days, 3 hours.*

**Desert Tortoise Population Research; Multiple Counties, Multiple States; U.S. Bureau of Land Management.** SWCA developed site-specific conservation plans for desert tortoises within two Areas of Critical Environmental Concern (ACEC) in the Mojave Desert. Each ACEC contains Critical Habitat for desert tortoise, including the Superior-Cronese Critical Habitat Unit in San Bernardino County, California and the Gold-Butte-Pakoon Critical Habitat Unit in Clark County, Nevada and Mohave County, Arizona. *Role: Cultural Resources Specialist. Assisted with research.*

**BLM SEZ Sample Surveys; Riverside County, California; U.S. Bureau of Land Management.** SWCA carried out cultural resource studies for selected Solar Energy Zones (SEZs) across multiple field offices in Arizona, California, and Nevada. This multi-state study is designed to assist federal land managers in predicting the density, distribution, and types of resources present in the various SEZs. Coordinating across regional SWCA offices and consulting with in-state BLM personnel, SWCA developed sampling plans and performed Class II cultural resource inventories and evaluations. *Role: Crew Chief / Archaeologist. Supervised crews on survey, assigned crew duties, site recordation, and QA/QC of paperwork. Duration 1 month, 1 week.*

**Blythe Solar Power Project (BSPP) Archaeological Field Support; Riverside County, California; AECOM, Inc..** *Role: Cultural Resources Specialist. Conducted archaeological surveys and recorded sites. Duration 2 weeks, 1 day.*

**Blythe Solar Power Project (BSPP) Cultural and Paleo Pre-Construction Compliance; Riverside County, California; AECOM, Inc..** *Role: Cultural Resources Specialist. Conducted an archaeological survey and site recordation. Duration 1 week, 3 days.*

**Chevron Birch Hills Archaeological and Paleontological Monitoring; Brea, Orange County, California; Chevron Land and Development Company.** SWCA conducted cultural and paleontological monitoring services for excavation and grading activities. *Role: Cultural Resources Specialist. Conducted cultural and paleontological monitoring services for excavation and grading activities for a planned community. Duration 4 days, 4 hours.*

**SCE CWA 1021 Annual Capacitor Replacement near Benton, Mono County, CA; Mono County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey along a transmission line prior to pole replacement of deteriorated utility poles. Duration 2.75 hours.*

**SCE CWA 1375 Grapevine 12kV Damaged Pole Replacement near Scotty's Castle, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey, monitored, and protected archaeological sites along transmission lines prior to pole replacement of deteriorated utility poles. Duration 3 weeks, 2 days.*

**SCE CWA 1411 One Deteriorated Pole Replacement near Death Valley Junction, Inyo County, BLM Barstow Field Office; San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey of a utility pole location prior to replacement of deteriorated utility pole. Duration 6 hours.*

**SCE CWA 1412 Nine Deteriorated Pole Replacements between Baker and Mountain Pass, San Bernardino County, BLM, Needles Field Office; San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey along a transmission line prior to pole replacement of deteriorated utility poles. Duration 1 day, 3.5 hours.*

**SCE CWA 1427 One Deteriorated Pole Replacement near Baker, San Bernardino County, BLM, Barstow Field Office; Baker, San Bernadino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey of a utility pole location prior to replacement of deteriorated utility pole. Duration 4.50 hours.*

**SCE CWA 1446 Seventeen Deteriorated Poles Replacements near Mountain Pass, San Bernardino County, CA, Bureau of Land Management, Needles Field Office; San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey along transmission lines prior to pole replacement of deteriorated utility poles. Duration 2, days 3 hours.*

**CWA 2053 CRNR Emergency Pole Replacement, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring of ground disturbance activity during pole replacement. Duration 2 days, 2 hours.*

**CWA 2076 CRNR Emergency Pole Replacement Silverwood Lake; San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Duration 4.25 hours.*

**SCE CWA 529 Control Plant 5 - Plant 6 55kV Reconductor Cultural Resources Construction Monitoring, Inyo County, CA; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring during construction activities at/near archaeological sites. Duration 4 days, 2 hours.*

**SCE CWA 564 El Dorado Substation Water Line, a Project Component of the RGIP El Dorado AA Bank Project, BLM Nevada; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring along a transmission line and substation locations. Duration 1 day, 2.5 hours.*

**SCE CWA 630 Control Plant 5-Plant 6 55kV Reconductor Cultural Resources Construction Additional Monitoring, Inyo County, CA; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring during construction activities at/near archaeological sites. Duration 1 week, 4.25 days.*

**SCE CWA 910 One Deteriorated Pole on Lands Managed by the BLM, Havasu District, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey along a transmission line prior to pole replacement of utility poles. Duration 3 hours.*

**SCE CWA 986 Bishop Service Center Monitoring, Inyo County, CA; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey along a transmission line prior to pole replacement of deteriorated utility poles. Duration 1 week.*

**EI WA 004 SNF Monitoring; Fresno County, California; Environmental Intelligence, LLC.** *Role: Cultural Resources Specialist. Conducted an archaeological survey, monitored, and protected archaeological sites along transmission lines and during hazardous tree removal. Duration 1 month, 2 weeks.*

**Genesis Solar Energy Project Geoarchaeology and Archaeological Monitoring; Blythe, Riverside County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist. Conducted cultural monitoring during ground disturbance activities. Duration 1 week, 1.5 days.*

**Kern County Solar RE Columbia 3; Kern County, California; RE Columbia 3, LLC.** SWCA conducted cultural monitoring services for excavation and grading activities. *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities and site recordation. Duration 2.5 days.*

**Kern County Solar RE Rio Grande; Kern County, California; RE Rio Grande, LLC.** SWCA conducted cultural monitoring services for excavation and grading activities. *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities and site recordation. Duration 1.5 days.*

**LA Plaza Analysis, Reburial, and Boundary Testing; Los Angeles, Los Angeles County, California; County of Los Angeles.** SWCA conducted cultural test excavation units for excavation activities. *Role: Cultural Resources Specialist. Conducted cultural test excavation units for excavation activities. Duration 1 day.*

**LADPW San Pedro Plaza Park Cultural Monitoring; Los Angeles, Los Angeles County, California; City of Los Angeles.** SWCA provided archaeological monitoring during the construction-related ground disturbing activities associated with the San Pedro Plaza Park Project. Efforts also included the testing of an archaeological component and the salvage and laboratory analysis of archaeological materials that were encountered during monitoring and testing. *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities. Duration 1.5 days.*

**Line 131 Oakley Cultural Resources & Constraints Analysis; Contra Costa County, California; Pacific Gas and Electric Company.** SWCA provided a constraints analysis for a 1,600-foot natural gas pipeline replacement project. Desktop-level research and field reconnaissance surveys were conducted to review the project work site and to assess the potential of the project area to support sensitive biological or cultural resources, confirm current land uses, and document potential land use conflicts. SWCA also provided environmental inspection and biological surveys and monitoring during the project for special-status species such as Swainson's hawk, western pond turtle, giant garter snake, and nesting birds. *Role: Cultural Resources Specialist. Assisted with paperwork. Duration 2 hours.*

**Naval Air Facility, Twentynine Palms- Cultural Resource; San Bernardino County, California; NAVFAC SW.** SWCA provided expert cultural resource management services in compliance with Sections 106 and 110 of the NHPA within portions of four training areas at Marine Corps Air Ground Combat Center Twentynine Palms. SWCA conducted Phase I Archaeological Identification Survey of a 1,575-acre area where live-fire training exercises were planned and Phase II Archaeological Site Evaluation for 10 archaeological sites that are in danger of being adversely affected by military operations. *Role: Cultural Resources Specialist. Conducted archaeological surveys and recorded sites. Duration 2 months.*

**Melones-Wilson Transmission Line Field Services; Oakdale To Merced, Stanislaus County, California; Pacific Gas and Electric Company.** SWCA provided programmatic biological support to assure compliance with NERC for the modification of approximately 90 individual electric transmission structures along 60 miles of transmission lines. *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities. Duration 1 week, 1 day.*

**Mojave Tortoise Surveys; San Bernardino County, California; Kinder Morgan, Inc.** *Role: Cultural Resources*

*Specialist. Assisted with paperwork. Duration 1 day.*

**TO14 MV-22 Archaeological Survey and Evaluation; Multiple Counties, Multiple States; NAVFAC SW.** SWCA provided expert cultural resource management services in compliance with Sections 106 of the NHPA within four Marine Corps installations in California and Arizona. SWCA conducted Phase I Archaeological Identification Survey and Phase II Archaeological Site Evaluation for this project in support of environmental clearance of proposed MV-22 Osprey landing zones. *Role: Cultural Resources Specialist. Conducted archaeological surveys and recorded sites. Duration 2 months, 1 week, 2 days.*

**NAVFAC SW MV-22 Camp Pendleton Archaeological Testing; Los Angeles County, California; NAVFAC SW.** Sole-source contract to complete outstanding ecological and archeological investigation. *Role: Cultural Resources Specialist. Assisted with paperwork. Duration 25 minutes.*

**Nellis Air Force Base Area II Survey; Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Crew Chief / Archaeologist. Conducted a Class I record search, Class III survey, and co-authored report.*

**Nellis Air Force Base Natural Resource Studies; Clark County, Nevada; Auxilio Management Services.** SWCA's primary role was to provide senior biologists to lead baseline surveys for vegetation and wildlife. *Role: Cultural Resources Specialist. Conducted database entry.*

**Blue Sky Met Tower; Los Angeles County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist. Assisted with paperwork. Duration 1 hour.*

**Palm Springs Repower Project (WPP93); Riverside County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist. Assisted with paperwork. Duration 3 hours.*

**Nine Treatment Units Pine Nut Mountains; Consolidated Municipality Of Carson City County, Nevada; U.S. Bureau of Land Management.** SWCA conducted a cultural resources inventory for nine treatment units within the Pine Nut Mountains. *Role: Crew Chief / Archaeologist. Conducted an archaeological survey, supervised crews, assigned crew duties, site recordation, QA/QC of paperwork, co-authored report, and IMACS.*

**North Sky River Project Archaeological Support; Tahachapi, Kern County, California; Confidential Client.** CONFIDENTIAL *Role: Crew Leader. Conducted data recovery, assisted in field QA/QC of recovered artifacts and paperwork. Duration 3 weeks, 2 days.*

**Oatman Hwy Sacramento Wash Environmental Services; Kingman, Mohave County, Arizona; Mohave County.** *Role: Cultural Resources Specialist. Conducted an archaeological Class I record search and survey.*

**Owens Lake Keeler Dunes Paleontological Survey; Owens Valley, Inyo County, California; Sapphos Environmental, Inc.** SWCA completed a Phase I paleontological resources assessment and survey for the project which was located on Bureau of Land Management Land as well as land held by the LADWP and the Southern Pacific Railroad in Inyo County, California. Prepared a technical report and sensitivity map including mitigation measures for the treatment of paleontological resources which may be encountered during use of access roads and three staging areas for the project. *Role: Cultural Resources Specialist. Assisted with paperwork. Duration 2.50 hours.*

**PG&E Compressed Air Energy Storage; Multiple Counties, California; Pacific Gas and Electric Company.** SWCA was retained to conduct cultural resources studies for the core well drilling phase of four potential project sites. Each was compliant with Section 106 and CEQA and included a records and literature search, Native American consultation, an intensive-level field survey, and preparation of a technical report. *Role: Crew Chief / Archaeologist. Survey of proposed pad locations for compressed air storage. Duration 2 days.*

**PG&E Humboldt Bay - Humboldt #1 60 kV Reconductoring Project; Eureka, Humboldt County, California; Confidential Client.** SWCA prepared a PEA for a 60-kilovolt reconductoring project to improve transmission system reliability for an 8.4-mile portion of a transmission line in Humboldt County. *Role: Cultural Resources Specialist. Assisted with paperwork. Duration 1 hour.*

**SCE CWA 29 SBA-22 Testing; Santa Barbara, Santa Barbara County, California; Southern California Edison Company.** SWCA conducted cultural test excavations services for utility pole replacement project. *Role: Cultural Resources Specialist. Conducted test unit excavation at known archaeological sites and monitoring during ground disturbance activities. Duration 3 days.*

**SCE CWA 30 SBA-22 Monitoring; Santa Barbara, Santa Barbara County, California; Southern California Edison Company.** *Role: Crew Chief / Archaeologist. Conducted test excavation units prior to pole replacement, and conducted cultural monitoring of ground disturbance activity during pole replacement. Duration 1.5 days.*

**SCE CWA 40 Powerhouse Fire Emergency Response, Los Angeles, County, CA; Earlimart, Los Angeles County, California; Southern California Edison Company.** SWCA conducted cultural monitoring and mitigation services in support of the emergency replacement of transmission lines and poles destroyed during the Powerhouse Fire. *Role: Crew Chief / Archaeologist. Crew Lead for Archaeologists and Biologists teams; conducted cultural monitoring services for pole replacement and site recordation. Duration 2 weeks, 3 days.*

**SCE CWA 41 RGIP WDT 41 Alamo; Contra Costa County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities. Duration 1.5 days.*

**SCE CWA 43 Emergency Pole Replacement along the Coolwater-Tiefort 115kV Line, Daggett, CA; Santa Clara County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring of ground disturbance activity during pole replacement. Duration 2 days, 3 hours.*

**SCE Emergency 66 kV Corum-Rosamond-Gold Town Circuit CR Monitoring-EAFB; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities. Duration 3.50 hours.*

**SCE Emergency Monitoring Adelanto; Adelanto, San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities. Duration 3 days, 3 hours.*

**SCE Emergency Archaeological Monitoring for Rhinedollar Inyo Forest; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities. Duration 2 hours.*

**SCE Grapevine 12 kV Repair Phase 02; Inyo County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist. Conducted an archaeological survey, monitored, and protected archaeological sites along transmission lines prior to pole replacement of deteriorated utility poles. Duration 1 week, 3 hours.*

**Sierrita Pipeline Project Cultural Resources Services; Pima County, Arizona; Sierrita Gas Pipeline, LLC.** SWCA conducted an archaeological survey, ethnohistoric research, data recovery excavations, construction monitoring, and Section 106 review consultation assistance services for a Federal Energy Regulatory Commission-regulated natural gas pipeline project. *Role: Cultural Resources Specialist. Conducted test unit excavation at known archaeological sites and monitoring during ground disturbance activities.*

**Silverstate South Solar 3rd Party Monitoring; Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist. Assisted with paperwork.*

**Santa Ana Pipeline Records Search and Monitoring (Anaheim Inadvertent Discovery Project); Santa Ana, Orange County, California; Southern California Gas.** *Role: Cultural Resources Specialist. Conducted cultural monitoring services for excavation and grading activities. Duration 4 days, 6 hours.*

**Strawberry Peak Solar Array; San Bernardino County, California; Confidential Client.** *Role: Cultural Resources Specialist. Conducted archaeological surveys and recorded sites. Duration 2 days.*

**UCI Area 10 Archaeo/Paleo Monitoring; Orange County, California; California Pacific Homes.** *Role: Cultural Resources Specialist. Assisted with paperwork. Duration 4 hours.*

**UCI Faculty & Staff Housing Archaeological Evaluation; Irvine, Orange County, California; California Pacific Homes.** SWCA provided cultural and paleontological monitoring services during construction of multi-phase housing project. *Role: Cultural Resources Specialist. Assisted with paperwork. Duration 2.5 hours.*

**Victor Phelan Solar Project Cultural Resources Monitoring; Adelanto, San Bernardino County, California; RE Victor Phelan Solar One LLC.** SWCA conducted cultural and paleontological monitoring services for excavation and grading activities. *Role: Cultural Resources Specialist. Conducted cultural and paleontological monitoring services for excavation and grading activities. Duration 1 week.*

### **Other Professional Experience**

**ASM Affiliates;** Campo, California. Survey of Campo Kumeyaay Nation of Native Americans reservation for prehistoric and historic archaeological cultural resources. Duties include: survey of step and dense terrain, site recordation, and photography. *Role: Cultural Resource Technician. Duration 2 weeks.*

**Tierra Environmental Services;** Ocotillo Express Wind Energy Project; California. Survey and recordation of prehistoric/historic sites on BLM land for Pattern Energy's Ocotillo Express Wind Farm. Duties include: Lead crew in surveying and site recordation of prehistoric sites, Trimble (Terra Sync), survey, site recordation, photography, and off road driving. *Role: Cultural Resource Technician and Crew Chief. Duration 8 months (including 5 months Field Tech, 3 months Crew Chief).*

**Albion Environmental;** Camp Roberts, California. Recordation and excavation of prehistoric house floor. Duties include: Excavation, forms, screening, wet-screening, and artifact sorting. *Role: Cultural Resource Technician. Duration 3 weeks.*

**Pacific Legacy;** SCE Tehachapi Renewable Transmission Project; California. Excavation and data recovery of a prehistoric site. Duties include: Excavation, forms, photography and lab work including curation of artifacts, identification, classification, weights, and measurements. *Role: Cultural Resource Technician. Duration 3 weeks.*

### **Academic Experience**

Honors Senior Thesis: Mississippian Celt Production in the Central Illinois River Valley, Illinois (January–June 2009): Analyzed collections from five prehistoric sites for

manufacturing techniques and use of stone axes from five sites dating to AD 1100-1400). *Role: Student Archaeologist at UCSB.*

Intern at the Santa Barbara Natural History Museum; California (2009). Analysis of a prehistoric Native American collection from West Texas; cataloged the collection into the Argus computer system and curated the artifacts. *Role: Curator.* Duration 1 week.

Research Training, University of California; Santa Barbara, California (2008–2009). Collection processing of five collections containing lithics, pottery, shell and fauna remains; Lithic analysis of stone axe production and use at prehistoric Mississippian sites (AD. 1100-1400) located in the Central Illinois River Valley, Illinois; Entailed digital photographs, computer database management, artifact illustration, Systat (statistic program), and ArcGIS. *Role: Student Archaeologist.* Duration 2 weeks.

Assistant to Doctoral Thesis Project, Elizabeth Sutton (Ph.D. Candidate, UCSB, Archaeologist), University of California Santa Barbara; California (2008–2009). Excavation of two Historic Chumash sites located on Santa Cruz Island, California; Activities include excavations of a house floor and shell midden, screening, collection, paperwork and cataloging cultural material; Research focused on understanding household and community organization. *Role: Student Archaeologist.* Duration 3 days.

Methods and Techniques of Field Archaeology, University of California Santa Barbara Field School; California (2008). Course covered the creation of a research design, field techniques of survey, excavation, site and artifact identification, mapping, GPS, compass, surface collections, and wet screening. Practiced skills of excavation at a prehistoric Chumash site in Santa Barbara, California and surveyed various areas on Santa Cruz Island and Santa Barbara. *Role: Student Archaeologist.* Duration 3 days of surface collection and excavation and 3 days of survey.

Archaeological Reconnaissance, Moorpark College Field School; Ventura County, California (2007). Survey of various sites throughout Ventura County; Activities included site identification, survey, mapping, recording, and compass techniques. *Role: Student Archaeologist.* Duration 2 weeks.

Internship in Archaeological Record-Keeping and Collections, University of California; Santa Barbara, California (2007). Assisted in cataloging the University of California Santa Barbara's archaeological collections; Artifact identification and collections processing. *Role: Archaeological Intern.* Duration 1 week.

Archaeological Laboratory Procedures, Moorpark College; California (2006, 2007). Collection processing of prehistoric materials included cleaning, sorting, cataloging, curation and analysis of artifacts relating to research at CA-VEN-1961; Lab methods included shell and faunal midden analysis, macrobotanical identification, shell and lithic typologies, and wet-screening. Also, an emergency salvage excavation of an historic cemetery located by Lake Elizabeth, California was performed by class. *Role: Student Archaeologist.* Duration 2 weeks.

Archaeological Field Methods, Moorpark College Field School; Ventura County, California (2006). Course covered archaeological research and field techniques of data collection, excavation, screening and site data recording; excavation of a prehistoric Chumash village site at CA-VEN-1691 located in Ventura County, California. *Role:*

*Student Archaeologist.* Duration 2 weeks.

## **Education**

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- M.A., Archaeology, Northern Arizona University, Flagstaff, Arizona 2003
- B.A., Anthropology, Fort Lewis College, Durango, Colorado, 2000

## **Professional Experience**

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Ms. Mowrer meets the BLM qualifications for Field Supervisor, based on her more than 18 years of archaeological experience, as detailed below. Ms. Mowrer has worked out of the Pasadena, Denver, and Albuquerque/Durango SWCA offices. Her diverse field experiences includes cultural resource inventories and data recovery in California, New Mexico, Utah, Colorado, Arizona, Montana, and Wyoming. Lab experience includes osteology lab manager, osteological analysis, lithic and ground stone analysis, as well as washing and sorting artifacts. Office experience includes writing reports, creating databases, data entry, and editing field forms. Osteology analysis is the focus of Ms. Mowrer's work experience.

Recent California projects include analyzing human remains recovered during excavations on Catalina Island and San Gabriel Mission, California. Responsibilities included sorting disarticulated human remains from shell, artifacts, and nonhuman faunal remains, (both land and sea mammals) refitting disarticulated human remains when possible to obtain as much data as possible, analyzing articulated burials, and preparing the remains for repatriation. Once the Catalina Project was completed Ms. Mowrer worked with a team of osteologists and archaeologists excavating human remains, recovered from a previously unknown early historic cemetery (ca. late 1700s-early 1800s), at San Gabriel Mission in San Gabriel, California. Responsibilities included excavating and analyzing articulated as well as disarticulated human remains, and monitoring subsequent construction.

## **Select SWCA Project Experience**

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As a cultural resource specialist, Ms. Mowrer works under the supervision of a project manager, performing all aspects of field archaeology including survey, excavation and testing, data recovery and analysis, compiling draft and final reports, scheduling of resources, and file searches.

### **March 20-June 20, 2015; Santa Barbara Underground Structure Replacement Project, Santa Barbara, California**

- Monitored construction activities for cultural resources and human remains

### **April 6-April 10, 2015; NDEC Environmental Services at Coachella Flats; *Palm Springs, California***

- Conducted survey on BLM lands and for the Coachella Valley water district for the replacement of 500 wind turbines

### **April 21-May 15, 2015; Alameda Corridor East Rail Project (ACE) Sub Trench Monitoring, *San Gabriel California***

- Monitored construction activities for cultural resources and human remains

**July 31, 2014-December 31, 2014; OTO Hotels Santa Monica Archaeological and Paleontological Services; Santa Monica, California**

- Paleontological monitoring and mitigation services during construction excavations and grading

**April 21-October 22, 2014; Alameda Corridor East Rail Project (ACE) Cultural Resource Compliance and Management; San Gabriel, California**

Client: ACE Construction Authority; Role: Bioarchaeologist

- Excavation of historic human remains at San Gabriel Mission
- Osteological analysis of articulated and disarticulated human remains including men, women, children, and infants
- Preparation of human remains for repatriation to the Gabrielino-Tongva Indian Tribe
- Assist in reburial ceremony with representatives from the Gabrielino-Tongva Indian Tribe

**March 27-April 10, 2014, Osteologist; Catalina Metropole Vault Replacement; Avalon, California**

Client: Southern California Edison; Role: Osteologist

- Osteological analysis of articulated and disarticulated human remains
- Lab management assistance
- Preparation of human remains for repatriation to the Gabrielino-Tongva Indian Tribe

**January 4- 26 and October 24-December 21, 2014; Big Sky #D Seismic Project, Great Falls, Montana** Client; Department of Energy and Montana State University; Role:

- Cultural Resource Specialist, monitored seismic crews and recorded cultural resources

### **Additional SWCA Project Experience**

**January 20-present, Cardno Archaeologist Services, Saipan, Commonwealth Northern Mariana Islands CNMI** Client; Cardno Governement Services, (Cardno GS), Guam

- Complete analysis of human remains recovered in 2015
- Write up excavation and analysis for Cardno report

**April 4-7, 2017, Utah Navajo Health System Microwave Tower Project, Blanding, Utah.** Client Utah Navajo Health Systems

- Survey and record cultural resources and reroute if necessary

**February 11-November 7 2016, Cultural Resource support for the Regional Conservation Partnership Program, Mountainair New Mexico.** Client Clauch-Pinto Soil and Water Conservancy

- Crew chief, survey and record cultural resources

**October 9-20, 2016, Chokecherry and Sierra Madre Cultural Resource Inventory, Rawlins, Wyoming..** Client; Wyoming Power Company and Overland Trails Cattle Ranch; Role

- Monitor grading activities and data recovery for cultural resources

**June 8-August 19 2016, Newman-Arroyo-West Mesa Transmission Line Maintenance, Albuquerque, Socorro, Truth or Consequences, Las Cruces, New Mexico.** Client; El Paso Electric (EPE)

- Cultural monitoring during maintenance on an existing transmission line from Albuquerque, NM to El Paso, TX, crossing lands owned by BLM, Isleta Pueblo, and private

**November 14-18, 2016; Hobbs to Kiowa-J20, Carlsbad New Mexico.** Client Xcel Energy

- Survey for cultural resources

**April 13, 2015-July 7, 2015, Cardno Archaeologist Services, Saipan, Commonwealth Northern Mariana Islands CNMI** Client; Cardno Governement Services, (Cardno GS), Guam

- Excavation of historic and prehistoric human remains from an American WWII invasion beach
- Osteological analysis of prehistoric and historic remains
- Prepare Japanese WW II soldiers for repatriation to the Japanese Consultant
- Prepare Chamorro remains for reburial

**July 2015-September 23, 2015; Hobbs-China Draw 345kV Transmission Line, Carlsbad New Mexico.** Client Xcel Energy

- Survey for cultural resources

**May 28-June 10, September, 2013; Chokecherry and Sierra Madre Cultural Resource Inventory, Rawlins, Wyoming.** Client; Wyoming Power Company and Overland Trails Cattle Ranch;

- Survey and record new and previously recorded cultural resources

**October 14-16, 2013; Menefee Mountain Coal Fires Project, Egnar, Colorado.** Client; Colorado Department of Natural Resources; Division of Reclamation Mining and Safety, Denver Colorado.

- Crew chief, survey and record cultural resources
- Report

**July 10-30, 2012; Daneros Cultural Resource Inventory, Blanding Utah.** Client: Confidential  
Role: Crew chief, survey and record cultural resources

**June 15-30, 2012; Willow Creek Gravel Source, Dulce New Mexico**

Client: Jicarilla Apache Nation. Role: Crew chief, survey and record cultural resources

**June 1-15, 2012; Big Sky 3D Class III Cultural Resource Inventory, Great Falls, Montana..**  
Client: Montana State University; Role: Cultural Resource Specialist

**May 10-August 2012; Pandora Mines Cultural Resource Inventory, Blanding, Utah.**  
Client: Confidential; Role: Cultural Resource Specialist

**June 12-13, 2012; ConocoPhillips State 4F Cultural Resource Inventory, Bloomfield, New Mexico**  
Client; ConocoPhillips, Farmington NM. Role: Crew Chief

**May 15-17, 2012; ConocoPhillips State COM R 14M, Bloomfield, New Mexico.**  
Client; ConocoPhillips, Farmington NM. Role: Crew Chief

**May 29-June 3, 2012; ConocoPhillips SJ 30-6 Pipeline Survey, Bloomfield, New Mexico**

Client; ConocoPhillips, Farmington NM. Role: Crew Chief

**May 2, 2012; Navajo Nation Wasterwater Treatment Project, Kayenta and Tuba City, Arizona.**  
Client; Navajo Nation HPD, Window Rock, AZ. Role: Field Director

**May 3, 2012; Shiprock Road Improvements, Shiprock, New Mexico.**

Client; Navajo Nation Department of Transportation, Window Rock, AZ. Role: Field Director

**March 2012; BLM Carlsbad Field Office Resource Management Plan and Environmental Impact Statement Update.**

Client; Carlsbad BLM Field Office Role: Cultural Resource Specialist and Contributing Author

**2006; Various Projects, Salt Lake City, Utah.**

Client: various. Role: Cultural Resource Specialist.

**2005-2008; Animas—La Plata Archaeology Project; Durango, CO..**

Client: Ute Mountain Ute Tribe.

2002-2005 Role: Archaeologist and Osteologist; Conducted field survey, site recordation, and excavation at multiple Pueblo I period sites in La Plata County, Colorado. Conducted in-field groundstone analysis and reporting.

- In 2002, four months of survey
- In 2003, five months of excavation and seven months of analysis (human remains/ground stone)
- In 2004, five months of excavation and seven months of analysis (human remains)
- In 2005, four months of excavation and eight months of analysis (human remains/ground stone)

2006-2008 Role: Osteology Lab Manager; Managed all aspects of a substantial osteology laboratory facility housing more than 350 human skeletons, including collections management, database management, reporting, and supervision of lab staff.

**The Porter Site, Crow Canyon Archaeological Center Excavations; Cortez, Colorado. 2004.**

Conducted one week of in-field osteological analysis, documentation, and reporting of human remains at this Pueblo III period archaeological site near Cortez, Colorado. Client: Crow Canyon Archaeological Center. Role: Osteologist

**Darkmold Burial Analysis; Durango, Colorado. 2003.** Assisted with osteological analysis, and reporting for a large Basketmaker II site near Durango, Colorado. Client: Fort Lewis College. Role: Osteologist

## **Professional Affiliations**

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- American Association of Physical Anthropologists
- The Archaeological Conservancy
- Arizona Archaeological and Historical Society
- Colorado Council of Professional Archaeologists

## **Registrations and Certifications**

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- Section 106 Compliance Certification (SWCA, 2007)
- Tribal Consultation Workshop Certification (SWCA, 2008)

Name: Kathy Mowrer

**Prehistoric and Historic Resources**

<b>Project Name</b>	<b>Location</b>	<b>Duties (e.g., field, lab, report)</b>	<b>Employer/ Sponsor</b>	<b>Duration (days/weeks/months )</b>
ACE Monitoring and Management services	San Gabriel, CA. Los Angeles County	Lead monitor/crew Chief, crew assignments, report to PM daily, liaison with multiple construction crews and Native American team as to where monitors were needed each day	SWCA	35 weeks
SCE CWA 823 Santa Barbara Underground Structure Replacement Project	Santa Barbara, CA Santa Barbara County	Lead monitor/assistant crew chief	SWCA	2 weeks
Catalina Metropole Vault Replacement	San Gabriel, CA. Los Angeles County	Osteologist/asst lab manager,	SWCA	4.5 weeks
NDEC Environmental surveys at Coachella Flats Wind Energy Repower Environment al Services	Palm Springs, CA. Riverside County	Crew member for survey	SWCA	33 hours
CWA 287 CR Monitoring Mission Road	San Gabriel, CA. Los Angeles County	Monitor replacement of utility pole, report	SWCA	6 hours
CWA 375 CRNR Emergency Pole Replacement Sequoia NF	Sequoia NF, Tulare County	Write report	SWCA	6 hours
CWA 715 CR TD545196 Cultural	San Gabriel, CA. Los Angeles County	Lead monitor/crew Chief	SWCA	35 hours

Monitoring Mission road				
CWA 849 CR TD891924 TC837159, 4 Deteriorated Poles on Lands Managed by the BLM	Barstow District, San Bernardino County	Monitor and write report	SWCA	19.5 hours
CWA 849 CR TD959993 T964722, 1 Deteriorated Poles on Lands Managed by the BLM	Palm Springs District, Palm Springs County	Write report		20 hours
Total				12 months

# ALYSSA NEWCOMB, M.S., ARCHAEOLOGIST / OSTEOLOGIST

Ms. Newcomb has over 10 years of experience in archaeology, including both cultural resource management and academic projects. She has worked in both the public and private sectors for clients such as Southern California Edison, the U.S. Navy, and Caltrans, and has conducted cultural resources work throughout Southern California in support of compliance with CEQA, NEPA, and Section 106 of the NHPA.

Ms. Newcomb exceeds the California Bureau of Land Management (BLM) requirements, as stated in the BLM Manual 8150, for Field Director. She has a bachelor's degree in Anthropology and a master's degree in Forensic Anthropology, and exceed the minimum amount professional experience as a Field Director. Ms. Newcomb has completed more than 4 years of California field experience and has been performing as a Field Director for almost 2 years in California. Ms. Newcomb's technical skills include archaeological survey, excavation, and site testing. She has extensive experience with a total station digital mapping unit and hand-held Trimble GPS units, including office-based data manipulation. She has authored site records and technical reports detailing the results of cultural resources work. Ms. Newcomb has also had thorough training in artifact analysis and specializes in faunal analysis and human osteology.

## YEARS OF EXPERIENCE

10

## EXPERTISE

Archaeological survey, testing, and data recovery

Faunal analysis

Human osteology

## EDUCATION

M.S., Forensic Anthropology; Boston University, Boston, Massachusetts; 2015

Archaeological Field School; San Diego State University, San Diego, California; 2009

B.A., Anthropology; Art History; San Diego State University, San Diego, California; 2009

## PERMITS

U.S. Bureau of Land Management Cultural Resource Use Permit (CA-14-19), Field Director; CA

## MEMBERSHIPS

Member, Society for American Archaeology

Member, American Association of Physical Anthropologists

Member, Register of Professional Archaeologists

## SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

**ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Cultural Resources Specialist.*

**ACE San Gabriel Trench Cultural Resources Management Services; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, which were prepared in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the National and California Registers listed San Gabriel Mission site<1>.</1> *Role: Cultural Resources Specialist.*

**Arrow Pipeline Services; Dunn County, North Dakota; Arrow Midstream Holdings, LLC.** SWCA has been contracted on an "on-call" basis to conduct natural resource and cultural resource surveys, prepare Environmental Assessments (EA), EA addendums, cultural resource reports, and any other documentation or surveys as required by NEPA, the BIA, or other pertinent agencies. *Role: Cultural Resources Specialist. Conducted archaeological survey and recorded sites with a hand-held GPS unit.*

**Bakken North Pipeline Project; Multiple Counties, Multiple States; Plains All American Pipeline, LP.** SWCA provided environmental permitting services for an approximately 83-mile-long crude oil pipeline. The proposed pipeline required a Presidential Permit from the Department of State as well as a Certificate of Corridor Compatibility and Route Permit from the North Dakota Public Service Commission, which required NEPA analysis. Additionally,

SWCA provided other permitting services for North Dakota and Montana including Stormwater Discharge Permits and Hydrostatic Testwater Discharge Permits, and completed a wetland delineation survey to ensure compliance with Clean Water Act, Nationwide Permit 12. *Role: Cultural Resources Specialist.*

**NAVFAC SW TO3 Barstow ICRMP Update; Barstow, San Bernardino County, California; NAVFAC SW.** SWCA completed 7 ELINs related to update of the Barstow ICRMP. These services include historic resources survey and evaluation, archaeology, and reporting. *Role: Archaeologist.*

**Blackstone Phase II; Brea, Orange County, California; Shea Homes, Inc..** SWCA provided cultural and paleontological monitoring, Phase I archaeological testing of 5 sites, archaeological feature recordation and recovery, and paleontological fossil recordation and recovery and cultural and paleontological technical reporting services to the multi-phase housing community. *Role: Cultural Resources Specialist.*

**Catalina Metropole Vault Replacement Project; Los Angeles County, California; Southern California Edison Company.** SWCA assisted with archaeological compliance requirements and SCE's commitment to the Gabrielino MLD for reburial of cultural material and ancestral remains associated with the Metropole Vault Replacement. *Role: Cultural Resources Specialist.*

**Cibola National Wildlife Refuge Land Exchange; Cibola, La Paz County, Arizona; River Bottom Farms.** *Role: Archaeologist.*

**City of Colton Industrial Project Environmental Impact Report; San Bernardino County, California; PlaceWorks.** A 6-acre industrial project at the southwest corner of Agua Mansa Road and Rancho Avenue in the City of Colton. SWCA provided historic, cultural resources, and paleontological resources study for the project site. *Role: Archaeologist.*

**City of Eastvale Gas Station Project Cultural and Natural Resources; Eastvale, Riverside County, California; Lama Oil LLC.** *Role: Archaeologist.*

**Cultural Resources Study for Konocti County Water District Raw Water Intake and Pump Station Replacement Project; Washoe County, Nevada; McGinnis and Associates.** McGinnis and Associates LLC retained SWCA to provide environmental support services, including cultural resources studies in support of the Konocti County Water District Water Treatment Plant Project located in the city of Clearlake in Lake County, California. This consisted of a cultural resources records search and literature review, Native American coordination, a cultural resources survey, and preparation of a cultural resources technical report. *Role: Archaeologist.*

**CSU San Bernardino Biological Support; San Bernardino County, California; WSP Parsons Brinckerhoff.** *Role: Archaeologist.*

**CSUSB Cultural, Biological, and Paleo Support for Master Plan; San Bernardino County, California; WSP Parsons Brinckerhoff.** *Role: Project Manager.*

**Elverta Road Project Cultural Resources Study; Sacramento County, California; Silverado Homes, Inc..** SWCA is providing archaeological services to Silverado Homes, Inc. including an updated record search, field survey, and a Section 106 cultural resources report for the US Army Corps of Engineers in support of a residential mixed use land development project. *Role: Cultural Resources Specialist.*

**SCE CWA 1004 18 Deteriorated Poles on the SQNF, Kern River and Western Divide Ranger Districts, Tulare and Kern Counties, CA; Kern County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1047 Five Deteriorated Poles on the San Bernardino National Forest, San Bernardino and Riverside Counties, CA; San Bernardino County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1049 Two Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company.** *Role: Field Director.*

**SCE CWA 1081 Emergency Cable Replacement, Elsinore Mountains; Riverside County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1094 Preventative Maintenance near Kaweah, Tulare County, CA; Tulare County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1113 Two Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company.** *Role: Field Director.*

SCE CWA 1134 Four Deteriorated Pole Replacements near Ojai and Fillmore, Los Padres National Forest, Ventura County, CA; Ventura County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1135 One Deteriorated Pole on the San Bernardino National Forest, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1137 One Deteriorated Pole on the BLM Palm Springs Land, Riverside County, CA; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1139 Five New Meter Structures near Twentynine Palms, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1147 Silverwood Lake Emergency; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1151 Line Extension Near Inyokern, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1163 One Deteriorated H-Frame Structure Replacement Project, Los Padres National Forest, Santa Barbara Ranger District, Ventura County, CA; Ventura County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1174 Pardee-Vincent No. 2 Re-conductor Project, Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1183 Ten Deteriorated Poles Replacement Project, Sequoia National Park, Kern and Tulare County, CA; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1184 One Deteriorated Pole Replacement, Ventura County, Los Padres National Forest, CA; Ventura County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1189 Nine Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 1213 Drought Tree Resolution Sugarloaf Area Sequoia National Forest, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1235 12 Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 1257 Washout Repair, Kinsey 12kV UG, Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1281 Grapevine 12kV Emergency Repair Planning, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1292 Replacement of Two Deteriorated Poles on the Inyo National Forest, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1293 One Deteriorated Pole Replacement near Mojave, Kern County, BLM Ridgecrest; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1294 Eight Deteriorated Poles near Lake Hughes and Little Tujunga Canyon, Los Angeles County, Angeles National Forest; San Bernardino County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 1295 One Deteriorated Pole Replacement near Three Rivers, Tulare County, Sequoia National Park; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1296 Eleven Deteriorated Poles Replacement near Kramer Junction and Landers, San Bernardino County, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1297 Three Deteriorated Poles Replacement, Santa Barbara County, Los Padres National Forest; Ventura County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1319 22 Deteriorated Poles on the ANF, Los Angeles and San Bernardino County; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1326 Six Deteriorated Poles Replacement Project near California Hot Springs, Sequoia National Forest, Tulare County, CA; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1327 TD703983 CRNR Capital On Ramp, Blythe; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 134 CR TD489341 Det Pole Monitoring BLM Bakersfield; Bakersfield, Kern County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1342 Seven Deteriorated Poles Replacement Project near Amboy, San Bernardino County, BLM Needles Field Office; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1354 Archaeological Monitoring for Tree Removal Within the Sequoia National Forest, Nevada County, CA; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1370 Catalina Emergency; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1375 Grapevine 12kV Damaged Pole Replacement near Scotty's Castle, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1392 Capital On Ramp - Eagle Mountain Blythe 161kV, Blythe, San Bernardino County, CA; Blythe, San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1400 Melody 25kV - Remove Idle Facilities on Lands Administered by the California State Lands Commission and Private Land, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1403 Thirty-Seven Deteriorated Poles Replacement near Johannesburg, Kern and San Bernardino Counties, BLM, Ridgecrest Field Office, California; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1407 Catalina Emergency; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 1409 One Deteriorated Pole Replacement near Kramer Junction, San Bernardino County, BLM, Ridgecrest Field Office; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1412 Nine Deteriorated Pole Replacements between Baker and Mountain Pass, San Bernardino County, BLM, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1413 Five Deteriorated Pole Replacements near Amboy, San Bernardino County, BLM, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1414 Six Deteriorated Pole Replacements near Twentynine Palms, San Bernardino County, BLM, Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1420 Capital On Ramp - Eagle Mountain Blythe 161kV 2nd Round Monitoring, Blythe, San Bernardino County, CA; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1433 Additional Reporting for CWA 1342 - Seven Deteriorated Poles Replacement Project near Amboy, San Bernardino County, BLM Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1437 Elsinore Peak Downed Pole; San Diego County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1438 Eight Deteriorated Poles Replacement near Mountain Home Conservation Camp, Camp Nelson, Ponderosa, and California Hot Springs, Tulare County, CA, Sequoia National Forest; County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1439 Two Deteriorated Poles Replacement near Democrat Hot Springs, Kern County, CA, Sequoia National Forest; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1440 Six Deteriorated Poles on the Angeles National Forest, Santa Clara/Mojave Rivers and Los Angeles River Ranger Districts, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 1441 Seven Deteriorated Pole Replacements in the Nebo and Yermo Annex of the Marine Corps Logistics Base, Barstow, Riverside County, CA, Department of Defense; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1446 Seventeen Deteriorated Poles Replacements near Mountain Pass, San Bernardino County, CA, Bureau of Land Management, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1467 Infrastructure Replacement – Birchim 12 kV on Private Land, Inyo County; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1471 Archaeological Resources Records Search and Monitoring Support for the Method of Service (MOS) Recovery Substation Project, Huntington Beach, Orange County, CA; Orange County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1479 Emergency Water Repair Catalina Island; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1504 Additional Survey and Reporting for CWA 1467, Infrastructure Replacement - Birchim 12 kV on Private Land, Inyo County; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1543 Three Deteriorated Poles Replacement near Lucerne Valley, San Bernardino County, BLM Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1544 One Deteriorated Pole Replacement near Twentynine Palms, San Bernardino County, BLM Barstow Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1545 Five Deteriorated Poles Replacement near Ludlow, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1546 Five Deteriorated Poles Replacement near Yermo, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1547 Fourteen Deteriorated Poles Replacement near Barstow, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1548 Three Deteriorated Poles Replacement near Mud Hills, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1549 Three Deteriorated Poles Replacement near Harper Lake, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1550 Two Deteriorated Poles Replacement near Helendale, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1551 One Deteriorated Poles Replacement near El Mirage, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1552 Four Deteriorated Poles Replacement near Tecopa in the Pahrump Valley Wilderness Area, BLM Barstow Field Office, Inyo County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1553 Five Deteriorated Poles Replacement near the Excelsior Mine in the Pahrump Valley Wilderness Area, BLM Needles Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1554 Eight Deteriorated Poles Replacement near Goleta, Ojai, and Fillmore, Los Padres National Forest, Santa Barbara and Ojai Ranger Districts, Santa Barbara and Ventura Counties, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1555 Twelve Deteriorated Poles on Lands Administered by the Angeles National Forest, San Gabriel River Ranger District, Los Angeles and San Bernardino Counties; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1561 Eleven Deteriorated Poles on Lands Administered by the Angeles National Forest, Santa Clara / Mojave Rivers and Los Angeles River Ranger Districts, Los Angeles County; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 1562 Nine Deteriorated Poles on Lands Administered by the Angeles National Forest, Santa Clara / Mojave Rivers Ranger District, Los Angeles County; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 1563 Four Deteriorated Poles on Lands Administered by the Angeles National Forest, Los Angeles River and Santa Clara / Mojave Rivers Ranger Districts, Los Angeles County; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 1573 CR Catalina Gas Line Emergency Crescent Avenue; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1593 Removal of Idle Facilities - Concepcion 16 kV on Private Land, Santa Barbara County; Santa Barbara County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1596 CRNR Emergency Post Construction Survey for Shoshone 33kV; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1630 Archaeological Monitoring for Trancas and Zuma Canyons Vicinity Transmission Civil Operations Road Grading and Brushing; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1643 Infrastructure Replacement and Deteriorated Pole Replacement along the Brookline 16kV in Whittier Narrows, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1657 Remove and Replace Three H-Frame Structures, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1658 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1659 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1660 Remove and Replace One H-frame Structure (TD1093584), BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1661 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1662 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1663 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1668 One Deteriorated Poles on Lands Administered by the Angeles National Forest, Santa Clara/Mojave Rivers Ranger District, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1683 CR TD1107424 1 Deteriorated Pole LPNF; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1710 Line Extension on the McCaslin 4kV Circuit on Private Land, Ridgecrest, San Bernardino County; San Bernardino County, California; Southern California Edison Company. *Role: Project Manager.*

SCE CWA 1730 Two Deteriorated Poles near Big Pines, Angeles National Forest, Santa Clara/Mojave Rivers Ranger District, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1731 One Deteriorated Pole, Angeles National Forest, San Gabriel River Ranger District, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1732 One Deteriorated Pole Replacement near Baker, BLM Barstow Field Office, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1733 Two Deteriorated Poles near Trabuco Canyon, Cleveland National Forest, Trabuco Ranger District, Orange County, CA; Orange County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1734 One Deteriorated Pole within the Marine Corps Logistics Base, Barstow, Riverside County, CA, Department of Defense; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1735 Thirteen Deteriorated Poles near California Hot Springs and Springville, Sequoia National Forest, Kern River Ranger District, Tulare County, CA; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1736 One Deteriorated Pole near Banning, Riverside County, CA, Bureau of Indian Affairs-Morongo Indian Reservation; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1737 One Deteriorated Pole near Bodfish, BLM Bakersfield Field Office, Kern County, CA; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1738 Nine Deteriorated Poles Replacement near Blythe, Desert Center, and Perris, Bureau Land Management, Palm Springs South Coast Field Office, Riverside County, CA; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1739 Ten Deteriorated Poles Replacement near Idyllwild, San Bernardino National Forest, San Jacinto Ranger District, San Bernardino County, CA; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1753 GRM Furnace Creek 33kV Preventative Maintenance; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1771 CRNR Priority 1 Pole 928428E Intrusive Inspection; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1786 Six Deteriorated Poles Replacements near Mountain Pass, San Bernardino County, California, Bureau of Land Management, Needles Field Office; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1788 Salt Creek Infrastructure Replacement on Lands Administered by the Sequoia National Park, Tulare County, CA; Tulare County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1791 Line Extension on the McCaslin 4kV Circuit on Private Land, Ridgecrest, San Bernardino County; San Bernardino County, California; Southern California Edison Company. *Role: Project Manager.*

SCE CWA 1792 One Deteriorated Pole on Lands Administered by the Angeles National Forest, San Gabriel River Ranger District, Los Angeles County; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1799 CRNR Sherpa Fire Emergency; Santa Barbara County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1808 One Deteriorated Pole on the Mirage-Capwind-Devers-Tamarisk 115kV Circuit, BLM Palm Springs, near Palm Springs, Riverside County, CA; Riverside County, California; Southern California Edison Company. *Role: Project Manager.*

SCE CWA 1809 One Deteriorated Pole on the Mirage-Capwind-Devers-Tamarisk 115kV Circuit, BLM Palm Springs, near Palm Springs, Riverside County, CA; Riverside County, California; Southern California Edison Company. *Role: Project Manager.*

SCE CWA 1813 Erskine Fire Emergency; Kern County, California; Southern California Edison Company. SCE contracted SWCA to perform emergency monitoring. *Role: Field Director. Conducted and directed survey, site recordation, and construction monitoring; report preparation.*

SCE CWA 1832 Gould-Sylmar 220kV T/L Access Road Repair Between Towers M1-T5 and M1-T6, US Army Corps of Engineers Section 404, Private Land, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Project Manager.*

SCE CWA 1834 One Deteriorated Pole Replacement near Palm Springs, Riverside County, California, Bureau of Indian Affairs – Agua Caliente Indian Reservation; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1835 One Deteriorated Pole near Lake Havasu on Lands Managed by the Bureau of Land Management, Havasu Field Office, San Bernardino County, California; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1836 Eight Deteriorated Pole Replacements, SBNF, San Jacinto Ranger District, San Bernardino County; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1837 Six Deteriorated Pole Replacements, San Bernardino National Forest, Arrowhead Ranger District, San Bernardino County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1838 Three Deteriorated Poles near Big Pines, Angeles National Forest, Santa Clara/Mojave Rivers Ranger District, Los Angeles County, California; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1839 One Deteriorated Pole near Alta Dena, Angeles National Forest, Los Angeles River Ranger District, Los Angeles County, California; Los Angeles County, California; Southern California Edison Company. *Role: Field Director / Project Manager.*

SCE CWA 1840 Two Deteriorated Poles near Ponderosa and California Hot Springs within Sequoia National Forest, Western Divide Ranger District, Tulare County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1841 CR Four Deteriorated Poles near Rancho Santa Margarita, Cleveland National Forest, Trabuco Ranger District, Orange County, California; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1842 Six Deteriorated Poles near Bishop on Lands Administered by Inyo National Forest, White Mountain Ranger District, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1845 Priority 1 Pole Intrusive Inspection, LPNF; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1862 Camp Paivika Emergency; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 1863 Sand Fire Emergency Response; Los Angeles County, California; Southern California Edison Company. SWCA provided GIS and biological and cultural monitoring services for Sand Canyon including a Biological Resource Habitat and Assessment Review for Sand Canyon 16kV and other circuits affected by the sand fire. SWCA also provided avian monitoring services focused on the California

Condor and Section 106 archaeological support to determine any impacts to cultural resources. *Role: Field Director. Conducted and directed survey and construction monitoring; report preparation.*

**SCE CWA 1868 Thirty-Seven Deteriorated Poles Replacement near Johannesburg, Kern and San Bernardino Counties, Bureau of Land Management, Ridgecrest Field Office, CA; Kern County, California; Southern California Edison Company.** SWCA conducted a cultural resources study including a records search, intensive pedestrian field survey, and preparation of a report documenting the methods and results for the replacement of 43 deteriorated wooden distribution poles located on private and federal lands administered by the Bureau of Land Management, Ridgecrest Field Office, Kern and San Bernardino Counties, California. The study was conducted in compliance for the National Historic Preservation Act (NHPA) and the California Environmental Quality Act (CEQA). Several prehistoric and historic period archaeological sites were documented and evaluated for their NRHP eligibility, and SWCA worked directly with SCE to alter project plans in order to avoid sensitive cultural resources. *Role: Archaeologist.*

**SCE CWA 1875 Sheephole33kV Emergency BLM Bartsow; San Bernardino County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1931 SUP 005 NR GIS TD910174 Det Pole, SQNF; Los Angeles County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1932 SUP 006 CRNR GIS TD697416 21 Det Poles SQNF; Los Angeles County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1934 SUP 002 CRNR GIS TD1064538, 5TDs, SQNF; Los Angeles County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1945 SUP 007 CRNR GIS 4 Det Poles SQNF; Kern County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1946 SUP 008 CRNR GIS 23 Det Poles SNF; Kern County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1948 Archaeological Support for TCO Crystal Cove State Park Routine Road Maintenance; Orange County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1966 SUP 014 CRNR GIS Det Poles MapGIS Support Request SNF; Fresno County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 1988 CR BLM Desert District Site Recording Det Poles; Riverside County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 200 CR SAP901158275 Four Anchor Replacements BLM Barstow; Barstow, San Bernardino County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 2020 EHSync Archaeological Resources Clearance Support; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2021 EHSync Archaeological Resources Construction Support; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2027 SUP 040 CRNR GIS SQNF; Tulare County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2029 GIS TD1073187 Shoshone Mapping Support; San Bernardino County, California; Southern California Edison Company.** *Role: Project Manager.*

**CWA 2030 CR Paradise Cove Malibu Emergency Response; Los Angeles County, California; Southern California Edison Company.** *Role: Project Manager.*

**SCE CWA 2031 SUP 041 CRNR GIS SQNF; Kern County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 204 CRNR Control - Plant 5 - Plant 6 - 55kV Line Near Bishop; Bishop, Inyo County, California; Southern California Edison Company.** SWCA provided Biological and Cultural Resources (including archaeology and architectural history) services to conduct technical studies in support of the Control-Plant 5-Plant 6 55kV Reconductor Project near Bishop, CA. Project included the installation of lightweight steel interset poles between existing lattice steel poles of the Control-Plant 5-Plant 6 55kV subtransmission line and relocation of existing historic and prehistoric archaeological sites, recordation of new sites, and the impact assessment of the project on the hydroelectric system itself which is an NRHP eligible district. *Role: Field Director. Conducted survey and site recordation.*

**SCE CWA 2043 CR Reports Deliverables Database Entry; Multiple Counties, California; Southern California Edison Company.** SWCA uploaded 150 of our cultural reports to the Archaeology Program Deliverable database at the request of SCE. *Role: Project Manager.*

**SCE CWA 2044 EHSync 101 SWCA Introduction and Training; Pasadena, Los Angeles County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2047 Transmission Civil Operations; Multiple Counties, California; Southern California Edison Company.** CWA 2047 reflects the Southern California Edison TCO program for annual road grading along the distribution or transmission circuit lines throughout SCE service territory. There are multiple components to CWA 2047, such as project creation for GIS maps and files, Biological pre-reviews for the specified project, and Construction support, such as preconstruction surveys and monitoring in order to follow the biological clearance measures issued. *Role: Archaeologist.*

**SCE CWA 2053 CRNR Emergency Pole Replacement, Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company.** *Role: Project Manager.*

**SCE CWA 2054 CRNR Emergency Pole Replacement on Private Lane, City of Rialto, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company.** *Role: Project Manager.*

**CWA 2065 SCE Emergency Pole Replacement ANF; Los Angeles County, California; Southern California Edison Company.** *Role: Archaeologist.*

**CWA 2076 CRNR Emergency Pole Replacement Silverwood Lake; San Bernardino County, California; Southern California Edison Company.** *Role: Project Manager.*

**SCE CWA 2083 SUP 075 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2091 SUP 085 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2102 SUP 087 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2113 SUP 092 CRNR GIS SQNF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2117 SUP 101 CRNR GIS SNF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2118 SUP 102 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**CWA 2134 SUP 112 CRNR GIS SBNF; San Bernardino County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2137 SUP 114 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 214 CR Eagle Mountain-Blythe 161kV - TD703938; Barstow, Riverside County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 2141 SUP 115 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2143 SUP 116 CRNR GIS CNF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 2144 SUP 117 CRNR GIS ANF; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE CWA 392 Wrightwood RGT Phase 4 - Dice 33kV (TD790108), Associated Deteriorated Pole Replacements (TD808525, TD808606), and Oak Springs Pole - Top Substation Expansion (TD813433); San Bernardino County, California; Southern California Edison Company.** *Role: Archaeologist.*

SCE CWA 448 Decommissioning of Two Wells in Mill Creek; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 449 71 Deteriorated Poles in Bouquet Canyon, Angeles National Forest; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 458 Blythe Emergency 07-10-2014 Damaged Poles; Blythe, Riverside County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 460 48 Deteriorated Poles on the Angeles National Forest, Los Angeles and San Bernardino Counties; Los Angeles And San Bernardino Counties, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 498 French Fire Emergency Response Pole Replacement and Hazard Tree Removal along the Stevenson 12kV Distribution Circuit, Sierra National Forest; Fresno And Madera Counties, California; Southern California Edison Company. SWCA conducted intensive pedestrian survey of an existing utility corridor and documented several prehistoric and historic archaeological sites in advance of construction to replace utility poles damaged during wild fires; monitored the utility pole removal and replacement as well as removal of fire-damaged hazard trees. *Role: Field Director. Conducted and directed archaeological survey and recorded sites with a hand-held GPS unit; conducted and directed construction monitoring..*

SCE CWA 502 12 Deteriorated Poles on the Angeles National Forest, San Bernardino County; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 526 CR TD844572 2 Det Poles ANF; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 529 Control Plant 5 - Plant 6 55kV Reconductor Cultural Resources Construction Monitoring, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Field Director. Conducted archaeological survey, recorded sites, and collected locational data using hand-held GPS.*

SCE CWA 567 Additional Monitoring and Reporting for the French Fire Emergency Response, Madera County, CA; Fresno County, California; Southern California Edison Company. *Role: Field Director. Conducted and directed archaeological survey and recorded sites with a hand-held GPS unit; conducted and directed construction monitoring.*

SCE CWA 579 Boulder Removal Monitoring for Control Plant 5 - Plant 6 55kV Reconductor Project, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 602 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 613 Emergency Water Repair Catalina Island; Los Angeles County, California; Southern California Edison Company. Water pipe emergency repair on Catalina island. *Role: Field Director.*

SCE CWA 619 Sixteen Deteriorated Poles on the Angeles National Forest, Los Angeles County; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 629 Fogarty Substation Getaway Install Archaeological and Paleontological Monitoring, Riverside County; Riverside County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 630 Control Plant 5-Plant 6 55kV Reconductor Cultural Resources Construction Additional Monitoring, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Field Director. Conducted archaeological survey, site recordation, and construction monitoring..*

SCE CWA 647 Cultural Resources Survey for One Deteriorated Pole on the Caliber 12kV Circuit on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 649 Decommissioning of Two Wells in Mill Creek (CWA 448 Change Order); San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 659 Survey along the Tenderfoot 12kv, San Bernardino National Forest, Big Bear, CA; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 660 Cultural Resources Survey for One Deteriorated Pole on the Blue Ridge 2.4 KV Circuit on the Angeles National Forest, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 682 Cultural Resources Monitoring for Tree Removal in Barton Flats, San Bernardino National Forest, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 686 Four Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 721 Cultural Resources Services in Support of the Round Fire Emergency Response near Bishop, Inyo and Mono Counties, CA; Inyo County, California; Southern California Edison Company. SWCA provided SCE with cultural and natural resources support for emergency pole replacements and repairs for damage to 185 poles caused by the Round Fire in 2015 within lands administered by BLM, Inyo National Forest (INF), Inyo and Mono Counties, and the State of California. *Role: Cultural Resources Specialist.*

SCE CWA 735 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 747 Thirteen Deteriorated Poles Replacement Project, Santa Fe Dam Recreation Area, U.S. Army Corps of Engineers, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 789 Two Deteriorated Poles within the CDFW, San Jacinto Wildlife Area, Riverside County; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 790 Seven Deteriorated Poles on the San Bernardino National Forest, San Bernardino and Riverside Counties, CA; Riverside And San Bernardino Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 792 Two Deteriorated Poles Replacement Project, Marine Corps Logistics Base, Barstow, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 793 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 795 One Deteriorated Pole on Topanga State Park, Los Angeles, County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 831 One Deteriorated Pole on the San Bernardino National Forest, San Bernardino County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 849 Four Deteriorated Poles on Lands Managed by the BLM, Barstow District, San Bernardino County; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 867 Cultural and Paleontological Desktop Analyses for the Eldorado-Mohave Capacitor Site Assessment, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 882 Ten Deteriorated Poles on Lands Managed by the BLM, Barstow District, San Bernardino and Inyo Counties; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 930 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 931 Six Deteriorated Poles on Lands Managed by the BLM, Barstow District, San Bernardino County; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 948 CRNR Kernville Service Center Project; Kern County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 950 Two Deteriorated Poles Replacement Project, Marine Corps Logistics Base, Barstow, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 954 SmartConnect Communication Device - Ute 33KV, San Bernardino National Forest, San Bernardino County, CA; San Bernardino County, California; Southern California Edison Company. *Role: Archaeologist.*

SCE CWA 991 Cultural Resources Survey for One Deteriorated Pole on the Python 16kV Circuit on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Field Director.*

SCE CWA 995 Supplemental Records Search and NAHC Coordination for the Alberhill Substation and 500kV/115kV Subtransmission Line and Valley-Ivy Glen 115kV Subtransmission Line Projects, Riverside County, CA; Riverside County, California; Southern California Edison Company. *Role: Archaeologist.*

E3 Environmental State Line Pipeline; Williams County, North Dakota; E3 Environmental, LLC. SWCA provided professional natural and cultural resource services in support of a proposed oil pipeline. *Role: Cultural Resources Specialist. Conducted archaeological survey and recorded sites with a hand-held GPS unit.*

EI WA 002 SQNF Monitoring; Kern County, California; Environmental Intelligence, LLC. SWCA provided archaeological monitoring during tree felling operations at sites with known archaeological resources in the Sequoia National Forest. *Role: Project Manager.*

EI WA 003 SQNF and INF Records Searches; Inyo County, California; Environmental Intelligence, LLC. SWCA conducted heritage resources records searches at the Sequoia National Forest (SQNF), Inyo National Forest (INF) and California Historical Resources Information System (CHRIS) records searches at the Southern San Joaquin Information Center (SSJVIC) and the Eastern Information Center (EIC) as described in the SCE Scope of Work. *Role: Archaeologist.*

EI WA 004 SNF Monitoring; Fresno County, California; Environmental Intelligence, LLC. *Role: Project Manager.*

EI WA 005 Camp Nelson SQNF Monitoring; Tulare County, California; Environmental Intelligence, LLC. *Role: Project Manager.*

Elysian Reservoir WQIP Construction Monitoring; Los Angeles County, California; AECOM, Inc.. SWCA prepared a cultural resources monitoring plan and an assessment of NHPA compliance by an architectural historian for this water quality improvement project. *Role: Archaeologist.*

EN Jeffery/ Jeffery; McKenzie County, North Dakota; Hess Corporation. SWCA conducted intensive cultural resources investigations, provided National Register of Historic Places and monitoring recommendations in addition to draft and final reports for a proposed oil exploration well pad. *Role: Cultural Resources Specialist.*

North Dakota Permitting and NEPA Compliance; Multiple Counties, North Dakota; Enerplus Resources. SWCA conducted general wildlife and vegetation field surveys, with an emphasis on migratory birds and raptors, for oil and gas development in North Dakota. Additionally, SWCA was responsible for ensuring environmental compliance and preparing environmental assessments and other NEPA documents. *Role: Cultural Resources Specialist.*

Estrella Substation and Paso Robles Area Reinforcement Project; Paso Robles, San Luis Obispo County, California; Confidential Client. CONFIDENTIAL *Role: Archaeologist.*

Glendale Beeline Bus Maintenance Facility Cultural Resources Services; Glendale, Los Angeles County, California; City of Glendale, Community Development Department. *Role: Archaeologist.*

SCE Kramer-Holgate Transmission Line Environmental Impact Evaluation; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

SCE Victor-Savage 2 Transmission Line Environmental Impact Evaluation; Multiple Counties, California; Southern California Edison Company. *Role: Archaeologist.*

Green Beanworks C and D Initial Study/Mitigated Negative Declaration; Lancaster And Palmdale, Los Angeles County, California; sPower (Sustainable Power Group). *Role: Archaeologist.*

**Hess Stony Creek 3D; Williams County, North Dakota; Hess Corporation.** SWCA coordinated with federal and state agencies and evaluated environmental consequences of land- and water-based seismic surveys in and around Lake Sakakawea. SWCA also assisted with a study to determine the potential impacts of seismic air guns on the endangered pallid sturgeon. *Role: Cultural Resources Specialist.*

**HSR CP4 Pre-Construction Archaeological and Built Environment Support; Multiple Counties, California; Confidential Client.** *Role: Archaeologist.*

**LA Plaza Cultura Village Archaeology; Los Angeles County, California; La Plaza Village, LLC.** SWCA was hired to conduct cultural resource monitoring in downtown Los Angeles. *Role: Archaeologist.*

**LADPW Alameda Street Widening Phase II; Los Angeles, Los Angeles County, California; City of Los Angeles.** *Role: Cultural Resources Specialist.*

**Lake Elsinore Lakeshore Town Center Permitting; Riverside County, California; Mebo Properties Development LLC.** SWCA is working with Mebo Properties Development, LLC, to perform biological, jurisdictional waters, cultural, and paleontological resources studies on approximately 25 of combined dry land and lake acres. The studies will support the preparation of an EIR for the development of recreation, business, and residential use of the property. The project is located within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) area, and so impacts to biological resources will be permitted through the Riverside Conservation Authority (RCA). SWCA has conducted biological field studies and a jurisdictional delineation, and prepared a biological resources technical report that meets the MSHCP technical requirements. SWCA is currently coordinating with the RCA to develop a unified approach to project permitting with respect to jurisdictional waters. *Role: Archaeologist.*

**Line 235 Anomaly Dig P2E1; Los Angeles County, California; Southern California Gas.** *Role: Cultural Resources Specialist.*

**Line 247 Ocean Mesa RV and Campground Class Location Change; Santa Barbara County, California; Southern California Gas.** *Role: Crew Chief. Conducted and directed archaeological excavations, artifact analysis, and report preparation.*

**Mammoth Mountain Ski Area Historical, Archaeological and Paleontological Surveys; Mono County, California; CAJA Environmental Services, Inc..** *Role: Field Director. Conducted and directed archaeological survey and resource recordation.*

**McDonald's Riverside (Spruce & Iowa) Cultural Resources Services; Riverside, Riverside County, California; CORESTATES, INC..** *Role: Archaeologist.*

**Merjent Whiting Belfield Oil Pipeline; Stark County, North Dakota; Merjent, Inc..** SWCA performed environmental and cultural resource inventories, including a wildlife survey, routing, siting, agency consultations, and compilation of a NDPSC siting application to assist in routing and construction of a 7.2-mile-long oil pipeline. *Role: Cultural Resources Specialist.*

**Mojave Solar Project Cultural Services; San Bernardino County, California; CH2M Hill.** *Role: Archaeologist.*

**Mulholland Property Archaeological Survey Project; Los Angeles County, California; 24638 Mulholland Highway, LLC.** *Role: Field Director. Conducted and directed archaeological survey and resource recordation.*

**Mustang-Oxy Gathering System Due-Diligence; Dunn County, North Dakota; Wood Group Mustang, Inc..** *Role: Cultural Resources Specialist.*

**TO14 MV-22 Archaeological Survey and Evaluation; Multiple Counties, Multiple States; NAVFAC SW.** SWCA provided expert cultural resource management services in compliance with Sections 106 of the NHPA within four Marine Corps installations in California and Arizona. SWCA conducted Phase I Archaeological Identification Survey and Phase II Archaeological Site Evaluation for this project in support of environmental clearance of proposed MV-22 Osprey landing zones. *Role: Cultural Resources Specialist.*

**Coachella Flats Wind Energy Repower Environmental Surveys; Palm Springs, Riverside County, California; Confidential Client.** *Role: Field Director. Conducted and directed archaeological survey and site recordation, report and site records preparation.*

**High Speed Rail CP4 NEPA/CEQA Re-Examination; Multiple Counties, California; Confidential Client.** *Role: Archaeologist.*

**NextEra Venable Photovoltaic Facility Construction Project Monitoring; San Bernardino County, California; Confidential Client.** *CONFIDENTIAL* *Role: Cultural Resources Specialist.*

NextEra Zuni Project Natural Resources; Victorville, San Bernardino County, California; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

North Sky River Project Archaeological Support; Tehachapi, Kern County, California; Confidential Client. CONFIDENTIAL *Role: Archaeologist. Conducted excavations and recorded sites.*

OTO Hotels Santa Monica Archaeological and Paleontological Services; Santa Monica, Los Angeles County, California; OTO Development, LLC. SWCA provided paleontological monitoring and mitigation services during construction excavations and grading. Services included implementation of a paleontological mitigation monitoring program and reporting. *Role: Cultural Resources Specialist. Conducted report preparation.*

PAA Nelson Takeoff to Ross Pipeline Project; Stanley, Ross, Mountrail County, North Dakota; Plains All American Pipeline, LP. SWCA provided natural and cultural resource field surveys, reporting, and associated consultation in support of a NDPSC facility siting for a 15-mile-long crude oil pipeline that will conduct oil to a planned rail facility. *Role: Cultural Resources Specialist. Conducted archaeological survey and recorded sites with a hand-held GPS unit.*

Pajaro Environmental Support Services Archaeological Testing; Monterey And Santa Cruz Counties, California; Pajaro Valley Water Management Agency. SWCA is providing environmental permitting, and document sufficiency assessments for three separate water management projects located in Watsonville and Moss Landing. The projects entail construction of additional water storage tanks and a disk filtration system within the agency's existing water treatment facility and the addition of two new distribution pipelines to better serve Santa Cruz and Monterey County customers. SWCA is also preparing a CEQA-Plus environmental document addendum, two CEQA addendums, Section 106 and CEQA archaeological surveys and reports, consultation assistance with the SHPO, Phase XP 1.5 archaeological presence absence testing, wetland delineation, biological technical reporting, a permitting assessment, and preparation assistance for funding applications. SWCA also is managing environmental compliance monitoring, preconstruction surveys, field staff training, and archaeological monitoring for the three projects as needed. *Role: Cultural Resources Specialist.*

Pajaro Valley Water Management Agency Environmental Project Support; Monterey And Santa Cruz Counties, California; Pajaro Valley Water Management Agency. SWCA provided document sufficiency assessments, environmental document, environmental permitting, and technical studies support for three separate water management projects located in Watsonville and Moss Landing. The projects entail construction of additional water storage tanks and a disk filtration system within the agency's existing water treatment facility as well as the addition of two new distribution pipelines to better serve Santa Cruz and Monterey County customers. SWCA prepared a CEQA Plus environmental document addendum, two CEQA addendums, Section 106 and CEQA archaeological surveys and reports, consultation assistance with the SHPO, Extended Phase I archaeological presence absence testing, a wetland delineation, biological technical reporting, and provided preparation assistance for funding applications. SWCA is currently managing environmental compliance monitoring, preconstruction surveys, and field staff training for the two projects in Santa Cruz County and archaeological and Native American monitoring for the third project in Monterey County. *Role: Cultural Resources Specialist.*

Palm Desert Bio, Cultural, and Paleo studies (Parsons Brinkerhoff); San Bernardino County, California; WSP Parsons Brinckerhoff. *Role: Project Manager.*

Paradise Cove Mobile Home Park Treatment Plan; Los Angeles County, California; Paradise Cove Land Co, LLC. *Role: Project Manager.*

Petro-Hunt On-Call Services; Dunn County, North Dakota; Halcón Operating Co., Inc.. *Role: Cultural Resources Specialist.*

PG&E Estrella Substation and Paso Robles Area Reinforcement Project Proponent's Environmental Assessment; Paso Robles, San Luis Obispo County, California; Confidential Client. CONFIDENTIAL *Role: Archaeologist.*

Price Canyon Water Main Replacement Archaeological Monitoring; Pismo Beach, San Luis Obispo County, California; City of Pismo Beach. SWCA conducted cultural surveys and construction monitoring for the project, which replaced several sections of water line within the sensitive prehistoric archaeological sites along Price Canyon Road, Dell Court and Solar Way. *Role: Archaeologist.*

Pajaro Valley Water Management Agency CEQA Support and Permitting; Monterey And Santa Cruz Counties, California; Pajaro Valley Water Management Agency. SWCA provided environmental permitting and document sufficiency assessments for three water management projects located in the Watsonville area. The projects entailed construction of additional water storage tanks and upgrades to the agency's

existing water treatment facility and the addition of two new distribution pipelines to better serve Santa Cruz and Monterey County customers. SWCA also prepared a CEQA plus environmental document addendum, Section 106 and CEQA archaeological surveys and reports, consultation assistance with the SHPO, a wetland delineation, biological technical reporting, permitting, and preparation assistance for funding applications. *Role: Cultural Resources Specialist.*

**Rancho Santa Margarita General Plan Update; Rancho Santa Margarita, Orange County, California; Michael Baker International.** *Role: Archaeologist.*

**Salt Lake Park Splash Pad Cultural Resources Services; Huntington Park, Los Angeles County, California; City of Huntington Park.** SWCA conducted cultural resources studies in compliance with Section 106 of the NHPA in support of a proposed splash pad project. Project included records search, archaeological and built environment survey, interested parties coordination, preparation of Department of Parks and Recreation (DPR) 523 forms, and evaluation of identified resources for eligibility for federal, state, or local listing. *Role: Archaeologist.*

**San Pedro Plaza Park - Phase III Archaeological Monitor; Los Angeles, Los Angeles County, California; City of Los Angeles.** SWCA was hired to review cultural resource survey reports and provide monitoring. SWCA is also preparing interpretative signage to be installed at the park. *Role: Archaeologist.*

**SCE Fort Irwin Reliability Project Environmental Assessment; San Bernardino County, California; Southern California Edison Company.** SWCA is providing support for this transmission line improvement project located on lands administered by the BLM and Department of Defense as well as private land owners. Services include the development of the BLM Plan of Development (POD), preparation of the Environmental Assessment (EA), and biological, jurisdictional waters, cultural, and paleontological technical studies and reports to support the EA, POD, and environmental permits. *Role: Archaeologist.*

**SCE Grapevine 12 kV Repair Phase 02; Inyo County, California; Southern California Edison Company.** *Role: Archaeologist.*

**SCE Program Management; Multiple Counties, California; Southern California Edison Company.** *Role: Archaeologist.*

**Sixth & Bixel Paleontological Monitoring Services Project; Los Angeles, Los Angeles County, California; Holland Partners.** SWCA is conducting paleontological monitoring of preconstruction activities in support of a development project encompassing two parcels in downtown Los Angeles. Monitors identified and recovered numerous significant vertebrate fossils. *Role: Cultural Resources Specialist.*

**Slawson USFS Surveys and Reporting; McKenzie County, North Dakota; Slawson Exploration Company, Inc..** *Role: Cultural Resources Specialist.*

**Southland Solar Permitting; Laughlin, Clark County, Nevada; Confidential Client.** CONFIDENTIAL *Role: Archaeologist.*

**Shafter Wasco Irrigation District Natural and Cultural Resource Evaluations and Air Quality; Kern County, California; Provost & Pritchard Consulting Group.** Conducted biology and cultural resources studies to support site selection and development of up to 1,300 acres of recharge basins in a 4,000-acre primarily agricultural study area in the Central Valley. The biological resources study included a reconnaissance-level site visit and extensive desktop study, and identified natural resources constraints and likely issues. The cultural resources study included a records search and extensive research. *Role: Cultural Resources Specialist.*

**Tehachapi Wind Repower Environmental Studies; Tehachapi, Kern County, California; Confidential Client.** CONFIDENTIAL *Role: Archaeologist.*

**UCI University Hills Faculty & Staff Housing Archaeological Evaluation; Irvine, Orange County, California; Irvine Campus Housing Authority.** SWCA conducted cultural surveys and test excavation units services for a housing development project in compliance with CEQA. *Role: Cultural Resources Specialist.*

**USACE Cultural Resource Investigation on Lands in Mountrail County, North Dakota; Mountrail County, North Dakota; Labat Environmental, Inc..** As a third party contractor, SWCA performed a cultural resources investigation, including research and fieldwork, to identify and document prehistoric and historic archaeological sites and traditional cultural properties on approximately 43 river miles (72,472 acres) around Lake Sakakawea on U.S. Army Corps of Engineers lands. *Role: Cultural Resources Specialist.*

**Valentine Environmental Impact Report; Kern County, California; Provost & Pritchard Consulting Group.** SWCA was retained first by Provost & Pritchard Consulting Group, and later directly by EDF RE, to provide biological, cultural, and paleontological resources services in

support of the Valentine Solar Project located on 2,000 acres in Kern County, California. SWCA's primary efforts were to provide a Biological Constraints Analysis (BCA) of the project area, which was used to refine the preliminary design of the project. Following preparation of the BCA, SWCA conducted full technical studies for biological, cultural, and paleontological field surveys to support the preparation of an Environmental Impact Report (EIR) and other permitting requirements. Natural resources studies conducted include surveys for nesting birds, burrowing owls, desert tortoise, special-status plants, vegetation communities, and jurisdictional waters. *Role: Field Director / Cultural Resources Specialist. Conducted and directed archaeological survey and site recordation, report and site records preparation.*

**Valentine Solar Project Initial Studies; Rosamond, Kern County, California; Provost & Pritchard Consulting Group.** SWCA was retained by Provost & Pritchard Consulting Group to provide natural and cultural resources technical studies for a 2,000-acre solar PV project on private lands in the Antelope Valley. Surveys conducted to date include archaeological and paleontological surveys, and focused biological resources surveys for desert tortoise, rare plants, nesting raptors, burrowing owl, and jurisdictional waters. *Role: Crew Chief / Field Director / Archaeologist. Conducted and directed archaeological survey.*

**Valentine Solar Site Eligibility Recommendations; Kern County, California; Provost & Pritchard Consulting Group.** *Role: Archaeologist.*

**van den Berg Cultural Resources Evaluation; Cayucos, San Luis Obispo County, California; Jonathan van den Berg.** *Role: Archaeologist.*

**Vereecken Property Cultural Resources Study Update; Winchester, Riverside County, California; Highpointe Communities, Inc..** *Role: Archaeologist.*

**Visalia Lot Monitoring; Visalia, San Bernardino County, California; Southern California Gas.** Performed cultural resource monitoring, site recordation, site evaluation, and reporting services in support of parking lot repair. *Role: Archaeologist.*

**Washakie 3D - 2015; Sweetwater County, Wyoming; Confidential Client.** CONFIDENTIAL *Role: Archaeologist.*

**Washington National Archaeological and Paleontological Monitoring (Access Culver City); Culver City, Los Angeles County, California; GDCV Culver City, LLC.** SWCA implemented an archaeological and paleontological mitigation monitoring program during project grading, as well as archaeological feature and artifact identification, recordation, and recovery; laboratory preparation, identification, analysis, and curation preparation of archaeological materials; and reporting. *Role: Archaeologist.*

**WPX Energy Williston, LLC; Mandaree, Multiple Counties, North Dakota; WPX Energy Williston, LLC.** SWCA has been contracted on an "on-call" basis to conduct natural and cultural resource surveys, prepare EAs, EA addendums, cultural resource reports, and any other documentation or surveys as required by NEPA, the BIA, or other pertinent agencies, as well as provide informal consultations with the USFWS. *Role: Cultural Resources Specialist.*

**\*Confidential Energy Project; Fort Berthold Indian Reservation, North Dakota.** Conducted Class I pedestrian surveys and site recordation including artifact and feature identification, records searches, and report preparation. These included a number of linear pipeline surveys. *Role: Archaeologist. Conducted survey, recorded sites, and collected locational data using hand-held GPS.*

**\*Ocotillo Express Wind Farm; Imperial Valley, California; Pattern Energy.** Conducted class III archaeological survey and recorded archaeological sites on BLM-administered land in Ocotillo. *Role: Archaeologist. Conducted survey, recorded sites, and collected locational data using hand-held GPS.*

**\*Edwards Air Force Base Survey; Kern County, California; U.S. Air Force.** Conducted intensive pedestrian survey and recorded sites on Edwards Air Force Base. *Role: Archaeologist. Conducted survey, and recorded sites.*

Name: Alyssa Newcomb

<b>Project Name</b>	<b>Location</b>	<b>Duties (e.g., field, lab, report)</b>	<b>Employer/ Sponsor</b>	<b>Duration (days/weeks/months)</b>
026776.00 Valentine Solar Project Initial Studies	Rosamond, California	Crew Chief – survey fieldwork	SWCA	5 days
026776.01 Valentine Environment al Impact Report	Rosamond, California	Field Director – site recordation fieldwork; Report preparation	SWCA	20 days
31517.00 Coachella Flats Wind Energy Repower Environment al Surveys	Palm Springs, California	Field Director – survey and site recordation fieldwork; Report preparation	SWCA	30 days
36416.00 Mulholland Property Archaeologic al Survey Project	West Hills, California	Field Director – survey and site recordation fieldwork	SWCA	1 day
27139.00 Mammoth Mountain Ski Area Historical, Archaeologic al, and Paleontologi cal Surveys	Mammoth, California	Field Director – survey and site recordation fieldwork	SWCA	5 days
29051.07 Line 247 Ocean Mesa RV and Campground Class Location Change	Santa Barbara, California	Crew Chief – excavation fieldwork; Artifact analysis; Report preparation	SWCA	10 days
900204.00, 900529, 900579, 900630 SCE Control Plant 5-Plant 6 55kV Bishop	Bishop, California	Field Director – survey, site recordation, and construction monitoring fieldwork	SWCA	35 days

900498 and 900567 SCE French Fire Emergency Response	Sierra National Forest, Fresno and Madera Counties, California	Field Director – survey, site recordation, and construction monitoring fieldwork	SWCA	24 days
Multiple SCE Deteriorated Pole Projects	Angeles National Forest, Los Angeles and San Bernardino Counties, California	Field Director – survey and site recordation fieldwork; Report preparation	SWCA	6 months (approx.. 120 days)
901813.00 SCE CWA 1813 Erskine Fire Emergency	Lake Isabella, Kern County, California; Sierra National Forest, BLM Bakersfield, BLM Ridgecrest	Field Director – survey, site recordation, and construction monitoring fieldwork; Report preparation	SWCA	45 days
901863 SCE CWA 1863 Sand Fire Emergency Response	Angeles National Forest, Los Angeles County, California	Field Director – survey and construction monitoring fieldwork; Report preparation	SWCA	17 days
901370.00 and 901407.00 Catalina Emergency	Avalon, Santa Catalina Island, California	Field Director – excavation and construction monitoring fieldwork; Artifact analysis; Report preparation	SWCA	14 days
901479.00 Emergency Water Repair, Catalina	Avalon, Santa Catalina Island, California	Field Director – excavation and construction monitoring fieldwork; Artifact analysis; Report preparation	SWCA	11 days
901573.00 Catalina Gas Line Emergency Crescent Avenue	Avalon, Santa Catalina Island, California	Field Director – excavation and construction monitoring fieldwork; Artifact analysis; Report preparation	SWCA	19 days
900613.00 Emergency Water Repair Catalina Island	Avalon, Santa Catalina Island, California	Field Director – excavation and construction monitoring fieldwork; Artifact analysis; Report preparation	SWCA	10 days
Total				17 months 14 days

# ERICA NICOLAY, B.A., ARCHAEOLOGIST

## EDUCATION

B.A., Anthropology m: Italian; University of California, Los Angeles; 2012

M.A., Public Archaeology; California State University Northridge; 2017

## TRAINING

Water Evaluation and Planning (WEAP)/Safety Trained

Archaeological Field School, University of California, Los Angeles; 2011

## SELECTED SWCA PROJECT EXPERIENCE

**ACE CR Monitoring and Management Services for the Trench Package; San Gabriel, Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE) Construction Authority.** SWCA conducted technical studies and prepared Environmental Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA and NEPA, for review by Caltrans, the lead agency. Cultural resources work included archaeological and architectural history surveys and evaluation studies, in compliance with Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse effects to the CRHR/NRHP-listed San Gabriel Mission.  
*Role: Archaeological Field Technician: Data Recovery.*

**NAVFAC SW TO3 Barstow ICRMP Update; Barstow, San Bernardino County, California; NAVFAC SW.** SWCA completed 7 ELINs related to update of the Barstow ICRMP. These services include historic resources survey and evaluation, archaeology, and reporting. *Role: Archaeological Field Technician: Data Recovery.*

**Gaffey Pool Project Archaeological Data Recovery; Los Angeles, Los Angeles County, California; AWI Builders, Inc.** SWCA provided immediate field support for the unanticipated finding of a World War II Era slit trench located adjacent to the Gaffey Pool Rehabilitation Project at Fort MacArthur, a former United States Army installation in San Pedro. SWCA provided a crew for data recovery and mitigation and memorialization recommendations for this significant resource. *Role: Archaeological Field Technician: Data Recovery.*

**HSR CP4 Pre-Construction Archaeological and Built Environment Support; Multiple Counties, California; Confidential Client.** *Role: Archaeological Technician: Survey.*

**ICHA Area 11 Archeo/Paleo Monitoring and Burrowing Owl Survey; Irvine, Orange County, California; California Pacific Homes.** *Role: Archaeological Field Technician: Data Recovery.*

**LA Plaza Cultura Village Archaeology; Los Angeles County, California; La Plaza Village, LLC.** SWCA was hired to conduct cultural resource monitoring in downtown Los Angeles. *Role: Archaeological Technician: Data Recovery.*

**Coachella Flats Wind Energy Repower Environmental Surveys; Palm Springs, Riverside County, California; Confidential Client.** *Role: Archaeological Field Technician: Survey.*

**OTO Hotels Santa Monica Archaeological and Paleontological Services; Santa Monica, Los Angeles County, California; OTO Development, LLC.** SWCA provided archaeological monitoring and mitigation services during construction excavations and grading. This work resulted in the data recovery of several features. *Role: Archaeological Field Technician: Data Recovery.*

**POLA Berths 226-236 Evergreen Container Terminal EIR/EIS; Los Angeles, Los Angeles County, California; CDM Smith, Inc.** Under contract to CDM Smith, SWCA conducted a built environment/historic resources survey and evaluation and an archaeological survey, Extended Phase I Investigation, and evaluation project in support of the proposed Everport Container Terminal Development Project located at Berths 226–236 on Terminal Island, Port of Los Angeles, in Los Angeles County, California. This study includes the results of background research, an intensive-level field survey, extended Phase I testing and preparation of a historic resources survey report. *Role: Archaeological Field Technician: Data Recovery.*

**San Pedro Plaza Park - Phase III Archaeological Monitor; Los Angeles, Los Angeles County, California; City of Los Angeles.** SWCA was hired to review cultural resource survey reports and provide monitoring. SWCA is also preparing interpretative signage to be installed at the park. *Role: Archaeological Field Technician: Data Recovery.*

**Suncrest Project Environmental Planning and Compliance Services; Multiple Counties, California; Confidential Client.** CONFIDENTIAL *Role: Archeological Field Technician: Survey.*

**SCE Fort Irwin Reliability Project Environmental Assessment; San Bernardino County, California; Southern California Edison Company.** SWCA is providing support for this transmission line improvement project located on lands administered by the BLM and Department of Defense as well as private land owners. Services include the development of the BLM Plan of Development (POD), preparation of the Environmental Assessment (EA), and biological, jurisdictional waters, cultural, and paleontological technical studies and reports to support the EA, POD, and environmental permits. *Role: Archaeological Field Technician: Survey.*

## SELECTED NON-SWCA PROJECT EXPERIENCE

**SCE Metropole Project-Catalina.** Cogstone Resource Management Inc. provided cultural resource support for the upgrading of Catalina's underground electrical vault. *Role: Archaeological Field Technician: 3 months.*

**SWCA (4/18/2014-Present)**

Archaeological/Paleontological Field Technician

**Applied Earthworks (07/01/2015-12/31/2015)**

Archaeological/Paleontological Field Technician

**California State University Northridge (10/01/2014-05/27/2015)**

Graduate Teaching Assistant

**PaleoSolutions** (11/06/2014-02/27/2015)

Archaeological/Paleontological Field Technician

**Cogstone Resource Management Inc.** (09/15/2013-4/16/2014)

Archaeological/Paleontological Field Technician

Name: Erica Nicolay

Project Name	Location	Duties (e.g., field, lab, report)	Employer	Duration (days/weeks /months)
Metropole	Catalina, Los Angeles, California	Data Recovery	Cogstone Resource Mgmt.	3 months
ACE	San Gabriel, Los Angeles, California	Data Recovery	SWCA	4 months
NAVFAC SW TO3 Barstow ICRMP Update	Barstow, San Bernardino, California	Data Recovery	SWCA	1 week
Gaffey Pool	San Pedro, Los Angeles California	Data Recovery	SWCA	2 weeks
High Speed Rail	Wasco, Kern California	Survey	SWCA	3 months
UCI ICHA PA 11	Irvine, Riverside, California	Data Recovery	SWCA	2 weeks
La Plaza	Los Angeles, Los Angeles California	Data Recovery	SWCA	2 weeks
Coachella Flats Wind Energy Repower	Palm Springs, Riverside, California	Survey	SWCA	1 week
OTO Hotels	Los Angeles, Los Angeles California	Data Recovery	SWCA	1 week
POLA	San Pedro, Los Angeles, California	Data Recovery	SWCA	1 week
San Pedro Plaza Park	San Pedro, Los Angeles, California	Data Recovery	SWCA	2 weeks
Suncrest Reactive Power Project	Santa Barbara, Santa Barbara, California	Survey	SWCA	1.5 weeks
Fort Irwin Reliability Project	Yermo, San Bernardino California	Survey	SWCA	2 weeks
Various SCE CWA Projects	BLM, INF, SQNF, SNF, San Bernardino, Los Angeles, Madera, Riverside Counties, California	Survey	SWCA	1 month
Total				15 months

# OMAR RICE, B.A., ARCHAEOLOGICAL FIELD SPECIALIST

## YEARS OF EXPERIENCE

4

## EXPERTISE

P-XRF, Obsidian hydration analysis

Certified, need renewal for 2017

Crew lead

Close working relationship with  
Gabrielino Tribe

Southern Utah Freemont, Northern  
Arizona Ancestral Pueblo, California

## EDUCATION

B.A., Anthropology and Archaeology m:  
Geography; California State University,  
Long Beach; 2013

## PERMITS

U.S. Bureau of Land Management  
Cultural Resource Use Permit (CA-14-  
19), Field Director; CA

## SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

438 Mesa Street Historic Resource Survey and Archaeological Study; Los Angeles  
County, California; City of Los Angeles, Department of Public Works - Bureau of  
Engineering. *Role: Cultural Resources Specialist.*

ACE CR Monitoring and Management Services for the Trench Package; San Gabriel,  
Alhambra, Rosemead, Los Angeles County, California; Alameda Corridor-East (ACE)  
Construction Authority. SWCA conducted technical studies and prepared Environmental  
Impact Report (EIR) sections for compliance with state and federal statutes, particularly CEQA  
and NEPA, for review by Caltrans, the lead agency. Cultural resources work included  
archaeological and architectural history surveys and evaluation studies, in compliance with  
Section 106 of the NHPA and Caltrans standards. SWCA oversaw mitigation for adverse  
effects to the CRHR/NRHP-listed San Gabriel Mission. *Role: Cultural Resources Specialist.*

ACE SubTrench Phase III Monitoring; Los Angeles County, California; Southern  
California Gas. *Role: Cultural Resources Specialist.*

Catalina Metropole Vault Replacement Project; Los Angeles County, California;  
Southern California Edison Company. SWCA assisted with archaeological compliance  
requirements and SCE's commitment to the Gabrielino MLD for reburial of cultural material  
and ancestral remains associated with the Metropole Vault Replacement. *Role: Cultural  
Resources Specialist.*

Clearwater Mutual Water Company Storage Tank Replacement; Lake County,  
California; McGinnis and Associates. *Role: Cultural Resources Specialist.*

SCE CWA 1099 Cultural Monitoring at Mission Rd; Los Angeles County, California; Southern California Edison Company. *Role:  
Cultural Resources Specialist.*

SCE CWA 1281 Grapevine 12kV Emergency Repair Planning, Death Valley National Park, Inyo County, CA; Inyo County, California;  
Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1326 Six Deteriorated Poles Replacement Project near California Hot Springs, Sequoia National Forest, Tulare County, CA;  
Tulare County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1370 Catalina Emergency; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources  
Specialist.*

SCE CWA 1407 Catalina Emergency; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources  
Specialist.*

SCE CWA 1420 Capital On Ramp - Eagle Mountain Blythe 161kV 2nd Round Monitoring, Blythe, San Bernardino County, CA;  
Riverside County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1438 Eight Deteriorated Poles Replacement near Mountain Home Conservation Camp, Camp Nelson, Ponderosa, and  
California Hot Springs, Tulare County, CA, Sequoia National Forest; County, California; Southern California Edison Company. *Role:  
Cultural Resources Specialist.*

SCE CWA 1471 Archaeological Resources Records Search and Monitoring Support for the Method of Service (MOS) Recovery Substation Project, Huntington Beach, Orange County, CA; Orange County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1479 Emergency Water Repair Catalina Island; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1573 CR Catalina Gas Line Emergency Crescent Avenue; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1643 Infrastructure Replacement and Deteriorated Pole Replacement along the Brookline 16kV in Whittier Narrows, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1657 Remove and Replace Three H-Frame Structures, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1658 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1663 Remove and Replace One H-Frame Structure, BLM Barstow; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1735 Thirteen Deteriorated Poles near California Hot Springs and Springville, Sequoia National Forest, Kern River Ranger District, Tulare County, CA; Tulare County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1788 Salt Creek Infrastructure Replacement on Lands Administered by the Sequoia National Park, Tulare County, CA; Tulare County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1842 Six Deteriorated Poles near Bishop on Lands Administered by Inyo National Forest, White Mountain Ranger District, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1845 Priority 1 Pole Intrusive Inspection, LPNF; Kern County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1863 Sand Fire Emergency Response; Los Angeles County, California; Southern California Edison Company. SWCA provided GIS and biological and cultural monitoring services for Sand Canyon including a Biological Resource Habitat and Assessment Review for Sand Canyon 16kV and other circuits affected by the sand fire. SWCA also provided avian monitoring services focused on the California Condor and Section 106 archaeological support to determine any impacts to cultural resources. *Role: Cultural Resources Specialist.*

SCE CWA 1868 Thirty-Seven Deteriorated Poles Replacement near Johannesburg, Kern and San Bernardino Counties, Bureau of Land Management, Ridgecrest Field Office, CA; Kern County, California; Southern California Edison Company. SWCA conducted a cultural resources study including a records search, intensive pedestrian field survey, and preparation of a report documenting the methods and results for the replacement of 43 deteriorated wooden distribution poles located on private and federal lands administered by the Bureau of Land Management, Ridgecrest Field Office, Kern and San Bernardino Counties, California. The study was conducted in compliance for the National Historic Preservation Act (NHPA) and the California Environmental Quality Act (CEQA). Several prehistoric and historic period archaeological sites were documented and evaluated for their NRHP eligibility, and SWCA worked directly with SCE to alter project plans in order to avoid sensitive cultural resources. *Role: Cultural Resources Specialist.*

SCE CWA 1889 Archaeological Monitoring During Emergency Repair of the Badwater 12kV Buried Line, Death Valley National Park, Inyo County, CA; Kern County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1932 SUP 006 CRNR GIS TD697416 21 Det Poles SQNF; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1945 SUP 007 CRNR GIS 4 Det Poles SQNF; Kern County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1955 SUP 011 CRNR GIS 12 Det Poles SQNF; Kern County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1966 SUP 014 CRNR GIS Det Poles MapGIS Support Request SNF; Fresno County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1988 CR BLM Desert District Site Recording Det Poles; Riverside County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 1998 SUP 028 CRNR GIS ANF; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 2020 EHSync Archaeological Resources Clearance Support; Multiple Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 2043 CR Reports Deliverables Database Entry; Multiple Counties, California; Southern California Edison Company. SWCA uploaded 150 of our cultural reports to the Archaeology Program Deliverable database at the request of SCE. *Role: Cultural Resources Specialist.*

CWA 2076 CRNR Emergency Pole Replacement Silverwood Lake; San Bernardino County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

CWA 2124 Emergency Work BLM Barstow; Barstow, San Bernardino County, California; Southern California Edison Company.

SCE CWA 262 Ayersman 4kV to 16kV Cutover Project, Santa Barbara County, CA; Santa Barbara County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 401 One Deteriorated Pole Replacement Project (TD845906), Los Padres National Forest, Ventura County, CA; Ventura County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 449 71 Deteriorated Poles in Bouquet Canyon, Angeles National Forest; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 460 48 Deteriorated Poles on the Angeles National Forest, Los Angeles and San Bernardino Counties; Los Angeles And San Bernardino Counties, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 566 Infrastructure Replacement - Badwater 12kV (TD858515), Death Valley National Park, Inyo County, CA; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 576 - Fourteen Deteriorated Poles Replacement Project (TD856994, TD856985), Los Padres National Forest, Ventura County, CA; Ventura County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 590 Fifteen Deteriorated Pole Replacement Project, Los Padres National Forest, Santa Barbara, Ventura, and Kern Counties, CA; Santa Barbara County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 602 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

SCE CWA 613 Emergency Water Repair Catalina Island; Los Angeles County, California; Southern California Edison Company. Water pipe emergency repair on Catalina island. *Role: Cultural Resources Specialist.*

SCE CWA 721 Cultural Resources Services in Support of the Round Fire Emergency Response near Bishop, Inyo and Mono Counties, CA; Inyo County, California; Southern California Edison Company. SWCA provided SCE with cultural and natural resources support for emergency pole replacements and repairs for damage to 185 poles caused by the Round Fire in 2015 within lands administered by BLM, Inyo National Forest (INF), Inyo and Mono Counties, and the State of California. *Role: Cultural Resources Specialist.*

SCE CWA 735 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

**SCE CWA 823 Santa Barbara Underground Structure Replacement Project; Santa Barbara County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**SCE CWA 930 Three Deteriorated Poles on the Angeles National Forest, Los Angeles County, CA; Los Angeles County, California; Southern California Edison Company.** *Role: Cultural Resources Specialist.*

**EI WA 001 Erskine 12kV Survey BLM Bakersfield; Kern County, California; Environmental Intelligence, LLC.** SWCA obtained a Field Work Authorization from BLM Bakersfield for the Erskine 12kV circuit under the DRHTP. A records search was also conducted at the San Joaquin Information Center and a subsequent field survey was completed within a 150-ft corridor for portions of the circuit on BLM land along the Erskine 12kV circuit. *Role: Cultural Resources Specialist.*

**EI WA 002 SQNF Monitoring; Kern County, California; Environmental Intelligence, LLC.** SWCA provided archaeological monitoring during tree felling operations at sites with known archaeological resources in the Sequoia National Forest. *Role: Cultural Resources Specialist.*

**EI WA 003 SQNF and INF Records Searches; Inyo County, California; Environmental Intelligence, LLC.** SWCA conducted heritage resources records searches at the Sequoia National Forest (SQNF), Inyo National Forest (INF) and California Historical Resources Information System (CHRIS) records searches at the Southern San Joaquin Information Center (SSJVIC) and the Eastern Information Center (EIC) as described in the SCE Scope of Work. *Role: Cultural Resources Specialist.*

**EI WA 004 SNF Monitoring; Fresno County, California; Environmental Intelligence, LLC.** *Role: Cultural Resources Specialist.*

**EI WA 005 Camp Nelson SQNF Monitoring; Tulare County, California; Environmental Intelligence, LLC.** *Role: Cultural Resources Specialist.*

**Elysian Reservoir WQIP Construction Monitoring; Los Angeles County, California; AECOM, Inc..** SWCA prepared a cultural resources monitoring plan and an assessment of NHPA compliance by an architectural historian for this water quality improvement project. *Role: Cultural Resources Specialist.*

**Estrella Substation and Paso Robles Area Reinforcement Project; Paso Robles, San Luis Obispo County, California; Confidential Client.** CONFIDENTIAL *Role: Cultural Resources Specialist.*

**SCE Kramer-Holgate Transmission Line Environmental Impact Evaluation; Multiple Counties, California; Southern California Edison Company.**

**Natural and Cultural Support for the Gordon Mull Subdivision Environmental Impact Report; Glendora, Los Angeles County, California; Terry A. Hayes Associates, LLC.** SWCA was selected to prepare an EIR for in Support of Environmental Impact Report for the Gordon Mull Subdivision, City of Glendora, Los Angeles County, California. The project is proposing to redevelop a 71-acre, 19-lot located in the San Gabriel Foothills. Under the current contract, SWCA biology and cultural resources staff are collecting data to prepare respective resources and mitigation sections for an EIR overseen by TAHA staff. *Role: Cultural Resources Specialist.*

**HSR CP4 Pre-Construction Archaeological and Built Environment Support; Multiple Counties, California; Confidential Client.** *Role: Cultural Resources Specialist.*

**ICHA Area 11 Archeo/Paleo Monitoring and Burrowing Owl Survey; Irvine, Orange County, California; California Pacific Homes.** *Role: Cultural Resources Specialist.*

**LA Plaza Cultura Village Archaeology; Los Angeles County, California; La Plaza Village, LLC.** SWCA was hired to conduct cultural resource monitoring in downtown Los Angeles. *Role: Cultural Resources Specialist.*

**LADPW Main Street Lighting Improvement Unit 1; Los Angeles County, California; City of Los Angeles.** *Role: Cultural Resources Specialist.*

**Cochran Adams Relief Sewer Cultural and Paleontological Studies; Los Angeles County, California; City of Los Angeles, Department of Public Works - Bureau of Engineering.** *Role: Cultural Resources Specialist.*

**Line 247 Ocean Mesa RV and Campground Class Location Change; Santa Barbara County, California; Southern California Gas.** *Role: Cultural Resources Specialist.*

NextEra Zuni Project Natural Resources; Victorville, San Bernardino County, California; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

Penmar Water Quality Improvement Phase II Archaeological Monitoring; Los Angeles County, California; City of Los Angeles. SWCA was retained by the City of Los Angeles to prepare a Cultural Resources Mitigation Monitoring Plan for a project involving the installation of water treatment system at Penmar Golf Course, Penmar Recreation Center, and Marine Park. Plan describes procedural framework to identify, evaluate, and treat any cultural resources encountered during construction monitoring. *Role: Cultural Resources Specialist.*

Plains Red River Pipeline; Multiple Counties, Multiple States; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

Rancho Santa Margarita General Plan Update; Rancho Santa Margarita, Orange County, California; Michael Baker International. *Role: Cultural Resources Specialist.*

SCE Grapevine 12 kV Repair Phase 02; Inyo County, California; Southern California Edison Company. *Role: Cultural Resources Specialist.*

Sixth & Bixel Paleontological Monitoring Services Project; Los Angeles, Los Angeles County, California; Holland Partners. SWCA is conducting paleontological monitoring of preconstruction activities in support of a development project encompassing two parcels in downtown Los Angeles. Monitors identified and recovered numerous significant vertebrate fossils. *Role: Cultural Resources Specialist.*

Southland Solar Permitting; Laughlin, Clark County, Nevada; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

VA Long Beach Healthcare System Cultural Resources Services; Long Beach, Los Angeles County, California; Hellmuth, Obata & Kassabaum, Inc.. *Role: Cultural Resources Specialist.*

van den Berg Cultural Resources Evaluation; Cayucos, San Luis Obispo County, California; Jonathan van den Berg. *Role: Cultural Resources Specialist.*

Washakie 3D - 2015; Sweetwater County, Wyoming; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

Washakie 3D - Cultural Resource Survey and Permitting Support; Sweetwater County, Wyoming; Confidential Client. CONFIDENTIAL *Role: Cultural Resources Specialist.*

Name: **Omar Rice**

**Prehistoric/Historic Resources**

<b>Project Name</b>	<b>Location</b>	<b>Duties (e.g., field, lab, report)</b>	<b>Employer/ Sponsor</b>	<b>Duration (days/weeks/months)</b>
High Speed Rail	Wasco, Kern County, CA	Crew Chief, Survey	SWCA	4 days
Catalina Metropole	Catalina Island, L.A. County, CA	Excavation	SWCA	2 weeks
CWA 262 Ayersman	Santa Barbara, Santa Barbara County, CA	Survey	SWCA	4.3 days
ACE	San Gabriel, L.A. County	Crew Chief, Excavation, Lab	SWCA	10 months
CWA 576, 590	Los Padres N.F., CA	Survey	SWCA	3.8 Days
CWA 721 Round Fire	Inyo County, CA	Field Director, Survey, Site recording	SWCA	1 month
CWA 823	Santa Barbara, CA	Excavation	SWCA	2 Days
Line 247 Ocean Mesa	Santa Barbara, CA	Excavation	SWCA	4 Days
CWA 449,602,735, 930,460	Angeles National Forest, CA	Survey, Site Recording	SWCA	3 Months
CWA 1479 Catalina	Catalina Island, CA	LAB	SWCA	3 Days
Estrella Substation Project	Paso Robles, CA, San Luis Obispo County	Survey	SWCA	1 week
CWA 1657,1658, 1663	BLM Barstow, CA	Record Search	SWCA	2 hrs.
Southland Solar Permitting	L.A. County, CA	Record Search	SWCA	4 hr.
Van Den Berg	Santa Barbara County, CA	Excavation	SWCA	4 days
Rancho Santa Margarita	L.A. County, CA	Record Search	SWCA	4 hrs.
CWA1643	L.A. County, CA	Report Writing	SWCA	1 day
CWA 1788	Sequoia National Forest, CA	Survey	SWCA	3 weeks
CWA 1863 Sand Fire	L.A. County, CA	Survey	SWCA	1.5 days
CWA 1326, 1438, 1735	Sequoia National Forest, CA	Survey	SWCA	2 Days
CWA 1868	San Bernardino County, CA	Survey, Site Update, Site Recording	SWCA	3 Days
La Plaza	Los Angeles	Excavation, site	SWCA	1 Month

	County, CA	recording		
SQNF Record search	Bishop, Inyo county, CA	Record Search	SWCA	4 Days
CWA 1842	Inyo County, CA	Survey	SWCA	1 Day
CWA 566	Inyo County, CA	Survey	SWCA	2 Hrs
Kramer- Holgate	Mojave, Kern County, CA	Survey	SWCA	3 Days
CWA 2169, 2176	Los Padres N.F., CA	Survey	SWCA	1 Day
CWA 2020 EHSync	Pasadena, CA	Desktop Clearances (EDISON)	SWCA	3.5 Months
Genesis Solar	Blyth, CA	Survey, site recording	Tetra Tech	1 Month
Total				19 months 3 days

## CURRICULUM VITAE

Cherie K. Walth  
36 York Lane, Los Lunas, New Mexico 87031  
Telephone: 505.254.1115 Work  
505.506.6887 Cell

### I. EDUCATION BACKGROUND

- M.A., Anthropology, University of Colorado, Denver, 2001
- B.A., Anthropology, San Jose State University, California, 1990
- B.S., Business Administration, University of Phoenix, 1981

### II. PROFESSIONAL EXPERIENCE

Ms. Walth works out of SWCA's Albuquerque office as the Cultural Resources Program Director. Ms. Walth meets the minimum BLM requirements for Field Supervisor in California based on her over 33 years of service. Her responsibilities include coordinating with clients and government regulators, developing proposals and research designs, supervising archaeological field and laboratory work, analyzing cultural materials, and writing and editing reports.

From the Fall of 2009 to the Spring of 2011, Ms. Walth had worked in SWCA's Guam Office as the Human Osteology on staff completing the analysis of a large prehistoric Guam population and excavating and analyzing WWII remains. Ms. Walth has worked on human remains throughout her 33 years of experience in cultural resource management. Her experience includes human osteology (physical anthropology) and non-human faunal analysis, this expertise contributes to her overall skills in prehistoric and historic archaeological investigations. Her graduate project was an analysis of human remains from her fieldwork in Tunisia, North Africa.

In her 33 years of experience in the field of cultural resources management, Ms. Walth has worked in such diverse regions as California, the Rocky Mountains, the U.S. Southwest, the Pacific West, Micronesia, and North Africa. Her experience is in all levels of prehistoric and historic archaeological investigations, from files searches and literature overviews through data recovery and laboratory analysis. She is proficient in completing project documentation, from research design to final report production.

Ms. Walth has served as project director, principal investigator, field director, and crew chief for data recovery excavations, test excavations, and survey projects; evaluated and nominated archaeological sites to the National Register of Historic Places; and worked with Native Americans in the repatriation of human remains. In addition to her work in cultural resources management, Ms. Walth has managed and provided technical contributions on environmental impact statements, environmental assessments, and roads analyses. She has been responsible for compliance with the various steps of the National Environmental Policy Act (NEPA) process. She has helped define the purpose and need for projects, refined the description of the proposed actions, identified issues for analysis, formulated mitigation measures, coordinated availability of documents, addressed comments for the final documents, and prepared findings of no significant impact (FONSI). Her NEPA experience has included the coordination of multi-disciplinary studies to provide sufficient information for impact analysis.

### III. SELECT SWCA PROJECT EXPERIENCE

## Guam Office Projects in 2014:

SWCA 22828.08, Bile and Pigua Bridges Reconstruction Project

June 2014 submitted Archaeological Monitoring, Discovery, and Data Recovery Plan

SWCA 22828.01,

January to Present: Analysis of human remains, Preparation of draft Archaeological Investigation for the Agana Bridge Improvement Project.

*Role: Principal Investigator, Project Manager, Human Osteologist. Client: Guam Department of Public Works*

SWCA 26528, AAFB Remedial Investigation for IRP Sites 57 and 74

SWCA 24524, Conventional Munitions Maintenance Facility

## Pasadena Office:

SWCA 20323.01, ACE CR Monitoring and Management Services for the Trench Package

July 7 to 26, 2014

*Role: Human Osteologist*

## Albuquerque Office:

SWCA 31649, Southern Ute 3-35H Natural Gas Well Environmental Permitting Services, La Plata County, Colorado

December 11, 2014

*Role: Crew Member. Client: XTO Energy Inc.*

Cultural Resources Encountered: Late Archaic

SWCA 26904, Questa Airport Fenceline Cultural Resources Survey, Taos County, New Mexico

November 11 to 15, 2014

*Role: Field Director, Principal Investigator. Client: Armstrong Consultants.*

Cultural Resources Encountered: Historic

SWCA 23850, Zuni Mountain Trail Project Class III Investigation, McKinley County, New Mexico

9/10/2012 to November 2014

*Role: Principal Investigator, Field Director. Coordinated field crews, and reviewed Class III investigation report. Client: USFS.*

Cultural Resources Encountered: Archaic, Mogollon, Ancestral Puebloan, Navajo, Historic

SWCA 17496, Alamo Navajo ACEC Class III Investigation, Socorro County, New Mexico

1/15/2013 to 11/19/2014

*Role: Principal Investigator. Reviewed Class III investigation report. Client: USFS.*

Cultural Resources Encountered: Paleoindian, Archaic, Mogollon, Ancestral Puebloan, Navajo, Historic

SWCA 30031, Cooper 3F (formerly Poteet Cooper), San Juan County, New Mexico

11/4/2012 to 6/18/2014

*Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: Conoco Phillips.*

Cultural Resources Encountered: None

SWCA 29569, Ozark Lake Meter Station, Ward County, Texas

June 2014

*Role: Principal Investigator. Reviewed Class III investigation report. Client: Kinder Morgan Inc.*

Cultural Resources Encountered: None

SWCA 25798.01, I-25 Cañoncito Exit, Santa Fe County, New Mexico

May 2014

*Role: Faunal Analyst; analyzed and reported results for the historic faunal recovered from the Johnson Ranch investigation. Client: NMDOT*

## Cultural Resources Encountered: Historic

SWCA 25783, Zia II Gas Plant, Eddy and Lea Counties, New Mexico

4/9/2013 to 4/30/2013

Role: Crew member for 16 days completing *Class III investigation of pipeline route.*

Cultural Resources Encountered: Archaic to historic

SWCA 16763.39, Cultural Resource survey for I-25 near Tecolote, San Miguel County, New Mexico

4/23/2013 to 5/16/2013

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). *Class III investigation of highway right-of-way for 5 days.* Client: NMDOT

Cultural Resources Encountered: Undetermined prehistoric and historic

SWCA 16763.37, Tucumcari Municipal Airport, Quay County, New Mexico

3/17/2013

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). *Class III investigation at airport for 1 day of survey.* Client: NMDOT.

Cultural Resources Encountered: None.

SWCA 16763.36, Questa Municipal Airport, Taos County, New Mexico

3/17/2013

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). *Class III investigation at airport for 1 day of survey.* Client: NMDOT.

Cultural Resources Encountered: None

SWCA 16763.35, Conchas Lake Airport, San Miguel County, New Mexico

3/18/2013

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). *Class III investigation at airport for 1 day of survey.* Client: NMDOT.

Cultural Resources Encountered: None

SWCA 16763.34, NM 400, McKinley County, New Mexico

March 6 -7, 2013

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). *Class III investigation for 1 day of survey.* Client: NMDOT.

Cultural Resources Encountered: None

SWCA 16763.33, NM 68 at Estes Road, County, New Mexico

to 3/3/2013

Role: Project Manager. *Class III investigation and built environment recording, reviewed report.* Client: NMDOT.

Cultural Resources Encountered: Historic buildings

SWCA 16763.32, US 285, Taos County, New Mexico

3/22/2013

Role: Project Manager. *Class III investigation and built environment recording, report review.* Client: NMDOT.

Cultural Resources Encountered: Historic structures

SWCA 16763.29, NM 333 at NM 217 Intersection, Bernalillo County, New Mexico

January 22, 2013

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: Historic and Historic Structures

SWCA 25328, Howell C 4 B Natural Gas Well, San Juan County, New Mexico

March 5, 2013

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 25327, Lawson 2N Natural Gas Well, San Juan County, New Mexico

February 28, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 25166, Howell M 1D Natural Gas Well, San Juan County, New Mexico

December 10, 2012 and March 5, 2013

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 16763.28, NM 528 ITS Project, Sandoval County, New Mexico

December 4, 2012 to January 8, 2013

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation and built environment recording, 5 days of field, and report preparation. Client: NMDOT.

Cultural Resources Encountered: Spanish Entrada Site, Unknown Prehistoric

SWCA 23971, Hare 20M Natural Gas Well, San Juan County, New Mexico

November 13, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 23961, Schumacher 1C Natural Gas Well, San Juan County, New Mexico

November 12, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 16763.27, Coyote Springs Road ITS Project, Bernalillo County, New Mexico

November 12 to 21, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation and built environment recording, 1 day of field, and report preparation. Client: NMDOT.

Cultural Resources Encountered: None

SWCA 25031, Huerfanito Unit 97N Natural Gas Well, San Juan County, New Mexico

November 30, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 24214, Smith Well Pad Natural Gas Well, La Plata County, Colorado

October 17, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 16763.26, NM 532 Curve Correction, Lincoln County, New Mexico

October 8, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: None

SWCA 24696, Koch State Com 1B Natural Gas Well, Rio Arriba County, New Mexico

October 8, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 24695, San Juan 32-9 Unit 22C Natural Gas Well, San Juan County, New Mexico

September 20 and November 1, 2012 and April 22, 2013

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation survey and report preparation. Client: Conoco Phillips.

Cultural Resources Encountered: Pueblo I-II and Navajo

SWCA 23532, Caprock Pipeline, Lea, Chaves, and Roosevelt Counties, New Mexico

August 22–29, September 6–7, and September 24–25, 2012

Role: Cultural Resources Specialist (Field Crew Chief) Client: Enhanced Oil Resources, Inc.

Cultural Resources Encountered: Historic and Historic Structure

SWCA 16763.25, Atrisco Vista to Rio Puerco, Bernalillo County, New Mexico

August 29 and September 26, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 2 days of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: Historic Route 66 and Rio Puerco Bridge

SWCA 16763.24, ITS Fiber Optic Line, Bernalillo County, New Mexico

August 24 to September 10, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 2 days of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: Historic Structure

SWCA 23446, Atlantic D Com C 4B natural Gas Well, San Juan County, New Mexico

April 11-12, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 2 days of survey and report preparation. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 23889, State 4F Natural Gas Well, San Juan County, New Mexico

June 2 and July 25, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 2 days of survey and report preparation. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 24075, Granada Transmission Connect, Guadalupe County, New Mexico

July 19, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: Historic Route 66

SWCA 24086, San Juan 28-7 Unit 193NNatural Gas Well, Rio Arriba County, New Mexico

July 13, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 16763.19, NM 333, Bernalillo County, New Mexico

June 29, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: Historic Structures, Historic Tijeras Village

SWCA 23999, 30-6 CTB#3 to 112Y CR Monitoring, Rio Arriba County, New Mexico

June 27-28, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation monitoring and report preparation.

Client: Conoco Phillips.

Cultural Resources Encountered: Unknown, Unknown Prehistoric, Pueblo I, Navajo, Historic

SWCA 23990, State Com R 14MNatural Gas Well, San Juan County, New Mexico

June 18, 2012

Role: Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: Conoco Phillips.

Cultural Resources Encountered: None

SWCA 16763.18, NM 47 Road Widening, Bernalillo and Valencia County, New Mexico

June 14–15, 2012 and August 6, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 3 days of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: Historic and Historic Structures

SWCA 16763.17, Taos and Angel Fire Airports, Taos and Colfax County, New Mexico

May 17, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: None

SWCA 16763.14, NM 458, Roosevelt County, New Mexico

March 15, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: None

SWCA 16763.13, Walking Paths on San Felipe Pueblo Land, Sandoval County, New Mexico

March 20, 2012

Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation for 1 day of survey and report preparation. Client: NMDOT.

Cultural Resources Encountered: Historic Structures, ATSF Railway, Acequias

SWCA 21969, Albino-Mount Nebo PJ Thinning, San Juan County, New Mexico

October 5-23, 2012

*Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation; survey and report preparation. Client: BLM.*

Cultural Resources Encountered: Pueblo I and Navajo

SWCA 22046, Martinez and Munoz Sage Thinning, Rio Arriba County, New Mexico

October 23 to November 4, 2012

*Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation; survey and report preparation. Client: BLM.*

Cultural Resources Encountered: Unknown Prehistoric, Pueblo I, and Navajo

SWCA 22065, Crow Canyon patch Cut and Burn, Rio Arriba County, New Mexico

October 19-22, 2012

*Role: Project Manager, Cultural Resources Specialist (Field Crew Chief). Class III investigation; survey and report preparation. Client: BLM.*

Cultural Resources Encountered: Unknown Prehistoric and Navajo

SWCA, Guam office, Projects in the Guam Office. June 2013 to April 2014 and November 2009 to January 2012: Role varied by project and included Principal Investigator, Cultural Resources Lead, Project Manager, Field Director, and Human Osteologist. Clients: Department of Public Works, Inland Builders Corporation, Winzler & Kelly, Guam Water Authority, Todo Mauleg and Guam Music, Inc., and Guam Naval Base. Projects: IDIQ for Guam DPW, Agana Bridges Project, Bay View Hotel Project, Layon Solid Waste Landfill Facility, Tamuning Sewer Line Project, Old Agat Sewer Collector 'A' and 'B', Archaeological Recovery of Human Remains, Naval Base, and Naton Beach Site at Hotel Okura. Work completed included: Day to day management of the cultural resources department, field excavation, analysis, and reporting on the monitoring, data recovery, and analysis of human remains. Cultural resources encountered: Prehistoric remains of the Latte and Pre-Latte Phases, historic remains from WWII, and historic (post-European contact).

SWCA, Data Recovery for Seven Sites along I25; Sandoval County, New Mexico (March 2008-November 2009):

*Role: Project Manager, Field Director, Cultural Resources Specialist, Faunal Analyst. Client: New Mexico Department of Transportation. Cultural resources encountered: Archaic, Pueblo I to Pueblo II, Historic Euro-American.*

SWCA, Project Management of New Mexico Department of Transportation Projects (2009): *Role: Project Manager and Field Crew Chief. Project Names: Route 66 Mitigation, NM 313/Roy Ave and Bridge 309, Gorge Bridge, Highway 47, Valencia County, NM 371/NR 9, US 64, and NM 16. Field survey for 10+ days, built environment recording, and report preparation. Cultural Resources Encountered: Undetermined Prehistoric, Historic, Historic structures.*

SWCA, Integrated Resource Management Plan for Pueblo de San Ildefonso (2009): *Role: Cultural Resources Specialist. Client: Pueblo de San Ildefonso. Responsibilities included preparing an integrated resource management plan per the specifications of the Pueblo.*

SWCA, Berryhill Subdivision Environmental Assessment: *Role: Cultural Resources Task Manager and Field Crew Chief. Client: Wilson and Company. Cultural resources encountered: isolated prehistoric Ancestral Puebloan.*

SWCA, Testing for Two Sites along NM128: Eddy County, New Mexico (Feb. 8 to Apr. 4, 2008): *Role: Project Manager, Cultural Resources Specialist assisting report write-up and analysis of faunal remains. Client: New Mexico Department of Transportation. Cultural Resources encountered: Jornada Mogollon.*

SWCA, Carracas Pipeline Loop Monitoring; Rio Arriba County, New Mexico (2007–2008): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Prepared,*

executed, and participated in the monitoring plan for 31.5 miles of pipeline with 60 recorded sites. Cultural resources encountered: Archaic to Historic.

SWCA, Monitoring for MC 29-04-28 #121; Rio Arriba County, New Mexico (March 29 to May 23, 2008): *Role: Cultural Resources Specialist (Field Crew Chief), Principal Investigator, Project Manager. Client: Black Hills Gas Resources. Cultural Resources encountered: Pueblo I.*

SWCA, Many Canyons 3 Wells and Lateral Pipeline; Rio Arriba County, New Mexico (2007-2008): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Survey and report preparation for 3 wells and pipeline. Client: Black Hills Gas Resources. Cultural resources encountered: Archaic, Pueblo I-II, Navajo, Historic Hispanic and Euro-American.*

SWCA, Well Pad, Access Roads, and Pipelines in the Dinétah Region Administered by the Bureau of Land Management. (Fall 2007-On going): *Role: Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Conoco Phillips. Survey and report submission for numerous well pads and infrastructure. Cultural Resources encountered: Archaic to Historic. San Juan County, New Mexico.*

SWCA, U.S. 491 (North) Archaeological Data Recovery; Sheep Springs, New Mexico (2008): *Performed faunal analysis for the project. Role: Faunal Analyst. Client: New Mexico Department of Transportation.*

SWCA, Seven Rivers Cultural Resources Monitoring; New Mexico (2007-2008): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: New Mexico Interstate Stream Commission. Cultural resources encountered: Archaic to Historic. Eddy County, New Mexico.*

SWCA, Block Survey in Sections 9 and 10; Rio Arriba County, New Mexico (2008): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Cultural resources encountered: Pueblo I-II and Navajo (Dinétah-Gobernador).*

SWCA, Quintana Mesa Com 100 Water Pipeline; Rio Arriba County, New Mexico (2008): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Cultural resources encountered: Pueblo I-II.*

SWCA, Carracas Mesa Access Road; Archuleta County, Colorado (2008): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Survey of potential route for access road on Southern Ute Indian Reservation.*

SWCA, Dungan Gas and Water Pipelines; Archuleta County, Colorado (2008): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Cultural resources encountered: Pueblo I-II and Navajo (Dinétah-Gobernador). Archuleta County, Colorado.*

SWCA, Many Canyons Well Pads, Access Roads, and Pipelines on U.S. Forest Service Land (2007): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Black Hills Gas Resources. Cultural resources encountered: Archaic to Historic. Rio Arriba County, New Mexico.*

SWCA, Bull Ridge 100 Pipeline; Rio Arriba County, New Mexico (2007): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Pedestrian survey for pipeline. Cultural resources encountered: Archaic to Historic.*

SWCA, Campbell Ranch Village 2 West Data Recovery; Edgewood, Bernalillo County, New Mexico (2007): *Role: Cultural Resources Specialist (Field Crew Member). Client: SunCor Albuquerque, LLC. Excavation crew member. Cultural resources encountered: Pueblo I-II and Historic.*

SWCA, Carracas 30B #8 Pipeline Replacement (2007): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Cultural resources encountered: Pueblo I-II. Rio Arriba County, New Mexico.*

SWCA, Carracas 13A #6 Pipe Replacement (2007): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Pedestrian survey. Rio Arriba County, New Mexico.*

SWCA, Devils Mesa Antenna (2007): *Role: Project Manager. Client: Black Hills Gas Resources. Class I file search and prepare report. Rio Arriba County, New Mexico.*

SWCA, Carracas Unit 16B #12 Pipeline (2007): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Cultural resources encountered: Pueblo I-II. Rio Arriba County, New Mexico.*

SWCA, Carracas SWD #2 Pipeline: *Role: Project Manager, Principal Investigator, Cultural Resources Specialist (Field Crew Chief). Client: Energen Resources. Pedestrian survey. Rio Arriba County, New Mexico.*

#### **Greystone Cultural Projects:**

Carracas Mesa Pipeline Loop (2005-2006): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist. Client: Energen Resources. Completed cultural resources investigation and report for 31.5 miles of pipeline with 60 sites. Cultural resource encountered: Archaic to Historic. Rio Arriba County, New Mexico.*

230-KV Interconnection Project (2005-2006): *Role: Field Director, Principal Investigator, Cultural Resources Specialist. Client: Tri-State Generation and Transmission. Completed survey of 13 miles of transmission line and 30 miles of access roads, and report preparation. Cultural resources encountered: Unknown Prehistoric and Historic (Euro-American). Colfax County, New Mexico.*

Cultural Resources Investigation of Forest Road Segments in the Jicarilla Ranger District (August-September 2005). *Role: Field Director, Principal Investigator, Cultural Resources Specialist. Client: Energen Resources and Black Hills Gas Resources. Cultural resources encountered: Archaic to Historic. Rio Arriba County, New Mexico.*

Nurse Draw Plan of Development #1 (February – March 2005): *Role: Field Director, Principal Investigator, Cultural Resources Specialist. Client: Black Diamond Energy. Completed survey and report. Cultural resources encountered: Archaic, Unknown prehistoric, Historic (Euro-American). Johnson County, Wyoming.*

Transmission Line Reroutes and access roads (May-June 2005). *Role: Field Director, Cultural Resources Specialist. Client: Tri-State Generation and Transmission Association. Completed 5 day survey and report. Cultural resources encountered: Unknown prehistoric and Historic (Euro-American). Huerfano and Las Animas Counties, Colorado.*

Cultural resource inventory of 30+ well pads, access roads, and pipelines (2005-2006): *Role: Project Director, Cultural Resources Specialist. Client: Black Hills Gas Resources. Completed surveys and reports. Cultural resources encountered: Archaic to Historic. Rio Arriba County, New Mexico.*

Cultural Resources Survey for, Sierra National Forest, California (2005): *Role: Cultural Resources Specialist. Client: USDA Forest Service, Sierra National Forest. Sierra County, California.*

Table Mountain Plan of Development, Johnson County, Wyoming (April – June 2004): *Role: Project Director, Cultural Resources Specialist. Client: Westport Oil and Gas Company. Completed survey and report. Cultural resources encountered: Archaic, Later Prehistoric, Unknown Prehistoric, Historic (Euro-American). Johnson County, Wyoming.*

Ansel Adams Wilderness Cultural Resources Survey for Sierra National Forest, California (2004): *Role: Cultural Resources Specialist. Client: USDA Forest Service, Sierra National Forest.*

230-KV Interconnection Project, Colorado Portion (September-October 2002): *Role: Field Director, Cultural Resources Specialist. Client: Tri-State Generation and Transmission. Completed survey of 62 miles of transmission line and 19 miles of access and report preparation. Cultural resources encountered: Late Prehistoric, Unknown Prehistoric, Historic (Euro-American). Huerfano and Las Animas Counties, Colorado.*

Northern and Central Sweetwater Plan of Development (June – August 2002): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist. Client: Kennedy Oil Company. Completed survey and report. Cultural resources encountered: Unknown Prehistoric, Late Prehistoric, Historic (Euro-American). Sweetwater County, Wyoming.*

Thunderhead 1 and 3 Coal Bed Methane project (2001): *Role: Project Manager, Principal Investigator, Cultural Resources Specialist. Client: Williams Production Company. Completed survey and report. Cultural resources encountered: Unknown Prehistoric, Late Prehistoric, Historic (Euro-American). Campbell County, Wyoming.*

Lorencito Canyon Mine (March – August 2001): Role: Project Manager, Cultural Resources Specialist. Client: Lorencito Coal Company. Completed 12 days of survey, limited testing, and report. Cultural resources encountered: Unknown Prehistoric, Late Prehistoric. Las Animas County, Colorado.

**Greystone NEPA and Roads Analysis Projects:**

- Roads Analysis for White River National Forest, Vail Valley Forest Health, Colorado.
- Roads Analysis for Tongass National Forest, Wrangell Ranger District, Alaska.
- Rocky Messenger – Howard Fuels Management EA, Pike National Forest, Colorado.
- Northern San Juan Basin, Coal Bed Methane EIS, San Juan National Forest, Colorado.
- Bents Old Fort, National Historic Site, EA, Colorado.
- Williams Wheeler to Webster GAP EIS, Colorado.

**Other Professional Experience**

Tunisian Investigations; University of Michigan, Classics Department, Ann Arbor, Michigan and Randolph-Macon Woman's College, Lynchburg, Virginia (1990-2000 Summers): Responsible for conducting data recovery projects at Bir el Knissa, Bir Ftouha, Theodisan Wall Cemetery, Leptiminus (Lamta) in Tunisia; field supervisor; faunal analysis; human osteology; report preparation. Role: Field Supervisor, Cultural Resources Specialist, Analyst.

Navajo Nation Archaeology Department, Window Rock, Arizona (2000): Role: Faunal Analyst. Analysis of non-human remains for two sites from the Wide Ruins wash Project and five sites from the N12 Roads Project.

Powers Elevation Company, Inc., Aurora, Colorado (1997-2000): Responsible for conducting survey, testing, and report preparation. Role: Archaeologist.

Western Cultural Resources Management, Farmington, New Mexico (1991-1997): Responsible for conducting survey, testing, and data recovery projects; faunal analysis; human osteology; report preparation. Role: Cultural Resources Specialist, Analyst. El Paso Natural Gas Company Pipeline Project, (1991-1993): Responsible for conducting survey, testing, data recovery, faunal analysis, human osteology, and report production. Role: Cultural Resources Specialist, Analyst. Cultural resources encountered: Archaic, Ancestral Puebloan, Navajo, Historic. San Juan and McKinley Counties, New Mexico.

Office of Contract Archaeology, Albuquerque, New Mexico (1995-1996): Responsible for conducting survey, testing, and data recovery projects; faunal analysis; human osteology; report preparation. Role: Field Director, Cultural Resources Specialist, Analyst. MAPCO Pipeline Project, Bloomfield to Hobbs (1995-1996): Responsible for conducting survey, testing, data recovery, faunal analysis, human osteology, and report production. Role: Field Director, Cultural Resources Specialist, Analyst. Cultural resources encountered: Archaic to Historic. San Juan, Sandoval, Bernalillo, Torrance, Guadalupe, De Baca, Chaves, and Lea Counties, New Mexico.

Woods Canyon Archaeological Consultants, Inc. Yellow Jacket, Colorado (1991): Responsible for conducting survey, testing, and data recovery projects; faunal analysis; report preparation. Role: Cultural Resources Specialist, Analyst. Arkansas Loop Project (1991): Responsible for conducting survey, testing, data recovery, faunal analysis, human osteology, and report production. Role: Cultural Resources Specialist, Analyst. Cultural resources encountered: Basketmaker II-III, Pueblo I-II. San Juan County, New Mexico.

California Department of Parks and Recreation, Sacramento, California (1985-1990): Responsible for conducting survey, testing, and data recovery projects; historic structure restoration, historic building recordation, faunal analysis; human osteology; report preparation. Role: Cultural Resources Specialist, Analyst. Santa Cruz Mission Adobe Project, State Historic Park, Santa Cruz, California (1987-1990): Responsible for conducting testing, data recovery, faunal analysis, laboratory analysis, historic building recordation, and restoration of above. Role: Field Director, Cultural Resources Specialist, Analyst. Cultural resources encountered: Mission Period. Santa Cruz County, California.

California Department of Transportation, San Jose, California (1989-1990): Responsible for conducting data recovery of prehistoric cemetery; human osteology; report preparation. Role: Field Director Analyst. CA-SCL-690 Excavation of Prehistoric Cemetery, San Jose, California (1989-1990): Responsible for conducting data recovery, human osteology, and report production. Role: Field Director, Cultural Resources Specialist, Analyst.

Cultural Resource Management, Various companies in California (1984-1989): Responsible for conducting survey, testing, and data recovery projects; faunal analysis; human osteology; report preparation. Role: Field Director, Cultural Resources Specialist, Analyst.

#### Human Osteology Experience

July 2014. Excavation and field analysis of Mission Period human remains from the San Gabriel Mission, California.

June 2013 to present. Analysis of human remains recovered from the San Antonio Village site during the Agana Bridge project. Report write-up is in progress.

November 2009 to April 2012. Analysis of human remains from various Guam projects such as GTC School Project, Ritidian, Chapel on the Beach, Blue Waters Property, Three House Lots, and Layon Landfill.

November 2009- February 2012. Analysis and report preparation of the human remains from the Guam Hotel Okura project, Naton Beach Site. Prehistoric Chamorro site with 435 burials that include 170 individuals from the earliest settlers on the island, the Pre-Latte. Report to be published in 2013.

December 2009- March 2010. Excavation and analysis of the human remains in Agat, Guam. Remains are WWII era and are likely Japanese soldiers.

December 2009- January 2010. Excavation and analysis of WWII Japanese soldier discovered on the Guam Naval Base.

June 2001 & August 1999. Excavation and analysis of the human remains for the Byrsa Hill project, excavation of a Roman villa, directed by Christine Zitrides.

May-July, 1994-2003. Carthage, Bir Ftouha excavation of a Byzantine basilica, a project under the direction of Dr. Susan Stevens, Randolph-Macon Woman's College, Lynchburg, Virginia 24503. Duties include trench supervisor for field excavation, as well as the excavation, analysis, and write-up of all vertebrate (including human) remains.

June 2000 & October 1999. Excavation and analysis of human remains from the La Malga Cisterns, Carthage, Tunisia. Project under the direction of Dr. Hans van der Leest, Mt. Alison University, Canada.

March 1998. Analysis of human remains for LA111413 and LA111395, Western Cultural Resource Management, Inc., 1206 E. Murray, Farmington, NM 87401.

July 1995-May 1996. MAPCO Pipeline Project with Office of Contract Archaeology, 1717 Lomas, Albuquerque, NM 87131. Excavation, analysis, and write-up of human remains found in excavation of pipeline right-of-way.

October 1991-June 1993. El Paso Natural Gas Company Pipeline Project, New Mexico for Division of Conservation Archaeology and Western Cultural Resource Management, Inc., 1206 E. Murray, Farmington, NM 87401. Excavation of several sites from Basketmaker to Pueblo periods for a total of 16 months with sites in San Juan and McKinley Counties. Duties also included the excavation of human remains found within the project area as one of the specialists on the Burial Excavation Crew.

July, 1990 and 1992, and May - July, 1991. Carthage, Bir Knissa excavation of a Byzantine basilica, a University of Michigan project under the direction of Dr. Susan Stevens, Randolph-Macon Woman's College, Lynchburg, Virginia 24503. Duties include trench supervisor of field excavation, as well as, excavation, analysis, and write-up of all vertebrate (including human) remains.

May - June, 1990 and 1992. Leptiminus, a Roman port city, excavation of Roman period cemeteries, a University of Michigan project under the direction of Dr. David Mattingly, Dr. Lea Stirling, and Dr. David Stone. Specialist

in charge of the excavation, analysis, and write-up of the human remains from Site 10, Site 200, and Site 177.

December 1989-August 1990. CA-SCL-690 a State of California, Department of Transportation Project administered through California State University, San Jose, CA. Field crew chief in charge of 25 crew members in the excavation of a prehistoric cemetery site. And, assistant for Dr. Robert Jurmain in the analysis of the human remains from this prehistoric cemetery site.

June 1-October 3, 1989. Guadalupe Corridor Project. Analysis of human remains from a prehistoric population under the direction of Dr. Robert Jurmain, San Jose State Foundation.

December 1988. Holman and Associates, 3615 Folsom St., San Francisco, CA 94110. Excavation of prehistoric cemetery.

October 1988. Holman and Associates, 3615 Folsom St., San Francisco, CA 94110. Excavation of prehistoric cemetery.

January 1987. CA-SCL-581, Holman and Associates, 3615 Folsom St., San Francisco, CA 94110. Excavation of prehistoric cemetery.

February-April 1986. CA-SMA-150, Holman and Associates, 3615 Folsom St., San Francisco, CA 94110. Excavation and monitoring of prehistoric cemetery.

#### IV. PUBLISHED WORKS AND REPORTS ASSOCIATED WITH HUMAN OSTEOLOGY

Report on the human remains from the San Antonio Village site from the Agana Bridge Project. Report in progress.

Report on the human remains from Naton Beach site from the Guam Hotel Okura Renovation Project. Guam. Draft osteology report completed and submitted.

Analysis and reports of human remains from various Guam projects such as GTC School Project, Ritidian, Chapel on the Beach, Blue Waters Property, Three House Lots, Old Agat Sewer Line, Naval Base Guam, and Layon Landfill.

*A Cemetery of the Vandalic Period at Carthage*, edited by Susan Stevens, Chapter 8, The Human Remains and Addendum Catalogue of Burials, *Journal of Roman Archaeology*, Ann Arbor, MI. December 2009.

Report on the Human Remains and Non-human Bone for Byrsa Hill 1999, Excavation of a Roman villa, Christine Zitrides, 1116 Meadowbrook, C.W., Allentown, PA 18103. October 2001.

A Population Affinity Study using Dental Morphological Data Collected from the Ancient Site of Leptiminus. Thesis for partial fulfillment of Master of Arts, University of Colorado, Denver, CO, 2001.

The Human Skeletal Remains of Site 10, for Leptiminus (Lamta): a Roman Port City in Tunisia, *Journal of Roman Archaeology*, special report no. 2, Ann Arbor, MI, 2001.

Human Remains, in *Data Recovery along the 1995 MAPCO Four Corners Pipeline: Sites in the Jemez and Las Huertas Drainages, Sandoval County, New Mexico*, volume 4, pp. 131-142. Prepared for Mid-America Pipeline Company, and Bureau of Land Management. Office of Contract Archeology, University of New Mexico, Albuquerque. June 1999.

Contributing co-author; "Burials and Disarticulated Human Bone", chapter 8 in "Bir Knissa at Carthage: a rediscovered cemetery church," volume 1, ed. Susan Stevens, *Journal of Roman Archaeology*, Supplement no.7, Ann Arbor, MI, 1993.

Contributing co-author; Human Remains, in *Leptiminus (Lamta): A Roman Port City in Tunisia*, Report no. 1 Ben Lazreg, N. and D.J. Mattingly (eds.) *Journal of Roman Archaeology*. Ann Arbor MI. 1992.

Description of the Burials Excavated from CA-SCL-690 and Discussion of Nonmetric Traits from CA-SCL-690, prepared for the State of California, Department of Transportation, San Francisco, CA. September 1990.

## V. CULTURAL RESOURCE MANAGEMENT REPORTS

Bay View Hotel, Phase V Project, Tumon, Island of Guam. SWCA report for Inland Builders.

Archaeological Investigations of the Tamuning Sewer Line Project, Island of Guam. SWCA report for Todo Mauleg and Guam Music, Inc.

Old Agat Sewer Collector 'A' and 'B' – Archaeological Investigations, Agat, Island of Guam. SWCA report for Guam Water Authority.

Report on the Archaeological Recovery of Human Remains on Guam's Naval Base. SWCA report for Guam Naval Base.

Data Recovery for Seven Sites along I-25 in Bernalillo County, New Mexico. SWCA Report #2009-386 for New Mexico Department of Transportation. 2011.

A Cultural Resources Survey of 29.9 Acres for Proposed Road and Infrastructure Improvements for Nimitz Drive in Grants, Cibola County, New Mexico. SWCA Report #2009-253 for Wilson and Company. 2009.

San Juan 28-6 Unit 466S Well Pad, Access Road, and Pipeline, A Class III Cultural Resources Investigation, Rio Arriba County, New Mexico. SWCA Report #2009-287 for Bureau of Land Management, Farmington Field Office. 2009

Cultural Resource Inventory of ConocoPhillips San Juan 31-6 Unit 56 Well Pad, Rio Arriba County, New Mexico. SWCA Report #2009-346 for Bureau of Land Management, Farmington Field Office. 2009.

A Cultural Resources Survey of 51.9 Acres for Proposed Construction along NM State Highway 16, Sandoval County, New Mexico. SWCA Report #2009-348 for New Mexico Department of Transportation. 2009.

Cultural Resource Inventory of ConocoPhillips Blanco 13M Well Pad and Pipeline, San Juan County, New Mexico. SWCA Report #2009-363 for Bureau of Land Management, Farmington Field Office. 2009.

Cultural Resource Inventory of Burlington Resources' Neudecker 2S Well Pad, Access Road, and Pipeline, San Juan County, New Mexico. SWCA Report #2009-364 for Bureau of Land Management, Farmington Field Office. 2009.

A Cultural Resources Survey of 109.7 Acres of Proposed Construction along US Highway 64 West of Eagle Nest Lake, Colfax County, New Mexico. SWCA Report #2009-365 for New Mexico Department of Transportation. 2009.

Interim Report for Archaeological Data Recovery at Seven Sites Along Interstate 25, Sandoval County, New

Mexico. SWCA Report #2008-349 for New Mexico Department of Transportation. 2008.

A Cultural Resources Limited Testing for LA 143574 and LA 15893 along Portions of NM 128, Eddy County, New Mexico. SWCA Report #2008-105 for New Mexico Department of Transportation. 2008.

Energen Resources, Carracas Pipeline Project, Phase 2 Monitoring, 2008 Field Season. Carson National Forest, Jicarilla Ranger District Report #2006-02-054G. SWCA, Albuquerque, New Mexico. 2008.

Extra Work Space Near Turkey Canyon Leg-off for Energen Resources. Carson National Forest, Jicarilla Ranger District Report # 2006-02-054F. SWCA, Albuquerque, New Mexico. 2008.

Bullridge #100 Water Pipeline for Energen Resources. Carson National Forest, Jicarilla Ranger District Report # 1987-02-081F. SWCA, Albuquerque, New Mexico. 2008.

Many Canyons 29-04-27 #21H Well Pad, Access road, and Pipeline for Black Hills Gas Resources. Carson National Forest, Jicarilla Ranger District Report # 2007-02-072. SWCA, Albuquerque, New Mexico. 2008.

Many Canyons 29-04-27 #41 Well Pad, Access road, and Pipeline for Black Hills Gas Resources. Carson National Forest, Jicarilla Ranger District Report # 2007-02-071. SWCA, Albuquerque, New Mexico. 2008.

Conoco Carson 29-04-22 #1H Well Location, Access road, and Pipeline for Black Hills Gas Resources. Carson National Forest, Jicarilla Ranger District Report # 1989-02-144D. SWCA, Albuquerque, New Mexico. 2008.

Block Survey in Sections 9, 10, and 16: Future Road and Well Pad Developments for Energen Resources. Carson National Forest, Jicarilla Ranger District Report # 2008-02-057. SWCA, Albuquerque, New Mexico. 2008.

Quintana Mesa Com #100 Water Pipeline for Energen Resources. Carson National Forest, Jicarilla Ranger District Report # 1989-02-042D. SWCA, Albuquerque, New Mexico. 2008.

Hare 297S Well Pad, Access Road, and Pipeline for ConocoPhillips Company, submitted to BLM, Farmington Field Office. SWCA Report # 2008-051. 2008.

SJ32-8 Unit 51 Well Pad, Access Road, and Pipeline for ConocoPhillips Company, submitted to BLM, Farmington Field Office. SWCA Report # 2008-010. 2008.

Report of the Faunal Remains, Chapter 10 in *Archaeological Data Recovery at La 153714 along NM 53, Cibola County, New Mexico*. SWCA Report # 2007-375. 2008.

Energen Resources, Carracas Pipeline Project, Phase I Monitoring, 2007 Field Season. Carson National Forest, Jicarilla Ranger District Report #2006-02-054C. SWCA, Albuquerque, New Mexico. 2007.

Devils Mesa Antenna #1 Location, Cultural Resource Investigation, Rio Arriba County, New Mexico. SWCA Report #2007-63. SWCA, Albuquerque, New Mexico. 2007.

Dungan 32-5 #5-2 and #5-3 Water and Gas Pipelines, A Class III Cultural Resources Investigation, Archuleta County, Colorado. SWCA Report #2007-446. 2007.

Black Hills Gas Resources Many Canyons Lateral Pipeline and Access Road, Cultural Resource Investigations, Rio Arriba County, New Mexico. SWCA Report #2007-468. 2007.

Carracas 13A #6 Pipeline Replacement, Cultural Resources Investigation, Rio Arriba County, New Mexico. SWCA Report #2007-315. 2007.

Energen Resources, Carracas SWD #2 Water and Gas Pipelines, Rio Arriba County, New Mexico. SWCA Report #2007-202. 2007.

Energen Resources Corporation, Carracas Pipeline Loop Project, Cultural Resources Investigation, Rio Arriba County, New Mexico. Carson National Forest, Jicarilla Ranger District Report # 2006-02-054. Arcadis G&M, Highland Ranch, Colorado. 2006.

Cultural Resource Investigation, Forest Roads 218A1, 218A2, 218B, 218B1, 218B2, 218B3, 218B4, 218B5, 218B6A, 218B7, 218C, 218C1A, 218G, 218I, 218J, 218J1 and 218E, Jicarilla Ranger District, Carson National Forest, Rio Arriba County, New Mexico, Forest Report #2004-02-029E. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. November 2005.

Cultural Resource Investigation, Forest Roads 301A, 301A1, 301B, 364B, 310J, 310J1, 310D, and 310D1, Jicarilla Ranger District, Carson National Forest, Rio Arriba County, New Mexico, Forest Report #2004-02-029D. November 2005.

Black Hills Gas Resources, Espinosa Loop Pipeline, Cultural Resource Investigation, Rio Arriba County, NM. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. October 2005.

Cultural Resources Reports for Black Hills Well Locations, Carson National Forest Jicarilla Ranger District. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. 2005.

Energen Resources Corporation, Carracas Unit 24A #04 Gas and Water Pipeline Replacement, Cultural Resource Investigation, Rio Arriba County, New Mexico, Forest Report #1988-02-117B. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. September 2005.

Tri-state Generation and Transmission Association, Inc. Colorado-New Mexico 230-KV Interconnection Project - Colorado Portion 2005 Field Season, Cultural Resource Investigation, Huerfano and Las Animas Counties, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. September 2005.

Xcel Energy Valmont Power Station, Cultural Resource Inventory of Unit D-1 and Ground-Penetrating Radar Prospect of the Early Pioneer Cemetery/Valmont Historic Cemetery, Boulder County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. August 2005.

Black Diamond Energy, Nurse Draw POD 1, Class III Cultural Resource Inventory, Johnson County, Wyoming. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. March 2005.

Norris Dullea Company, Lincoln/Chambers Planned Development Class III Cultural Resources Inventory, Douglas County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. March 2005.

Encana Oil and Gas, USA, Inc., Ocla Draw 7-42 Gas Pipeline and Access Road, Class III Cultural Resource Inventory, Fremont County, Wyoming. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. February 2005.

Class I Cultural Resources Overview for the Proposed Pinal West to Southeast Valley/Browning Project, Pinal and Maricopa Counties, Arizona. Co-authored with Beau Goldstein. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. August 2004.

Chilocco-Miller Cascade ID OK03SW520-A, Paxton-Felly Rim Cascade ID OK03SW606-A, Powell Sisters Site Cascade ID OK03SW619-A, Class III Cultural Resource Inventory, Kay, Grady, and McClain Counties,

Oklahoma. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. August 2004.

Paiute Pipeline Company, Wadsworth Compressor Station, Class III Cultural Resource Inventory, Washoe County, Nevada. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. February 2004.

Basketmaker III in Black Creek Valley: A Look at the Exploitation of Animal Resource, in *Anasazi Archaeology at the Millennium, Proceedings of the Symposium, Sixth Occasional Anasazi Symposium*, Paul F. Reed editor, Center for Desert Archaeology, Tucson, Arizona. 2003.

Boulder Ranger District, Arapaho Roosevelt National Forest, Brainard Lake Recreation Area, Class III Cultural Resource Inventory, Boulder County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. December 2003.

Kennedy Oil Company Big Red Project, State South SW 43-36, Class III Cultural Resource Inventory, Sweetwater County, Wyoming. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. June 2003.

Kennedy Oil Company Hay Reservoir CBM Project, Cultural Resource Inventory, Sweetwater County, Wyoming. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. August 2003.

Kennedy Oil Company, Northern Sweetwater Federal CBM Wells 14-31, 34-31, 12-31, and 32-31, Access Roads and Utility Corridors, Cultural Resource Inventory, Sweetwater County, Wyoming. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. December 2003.

Trace Energy Services, Inc., Piceance Basin Development, East Side 2D Seismic Lines, Class III Cultural Resource Inventory, Garfield and Mesa Counties, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. November 2003

*Intensive Cultural Resource Survey of Arkansas Mountain Fuel Treatment Project, Fremont County, Colorado and Intensive Cultural Resource Survey of Wolf Mountain Fuel treatment Project, Rio Grande County, Colorado. James Enterprises, Inc., P.O. Box 1064, Ft. Collins, CO 80522. January 2003,*

Tri-state Generation and Transmission Association, Inc. Colorado-New Mexico 30-KV Interconnection Project - Colorado phase, Cultural Resource Investigation, Huerfano and Las Animas Counties, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. December 2002.

Colorado Springs Utilities Bear Creek Pump Station and Pipeline, Intensive Cultural Resource Inventory, El Paso County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. May 2002

Kennedy Oil Company Northern and Central Sweetwater Federal Coal Bed Methane Wells, Access Roads, and Utility Corridors, A Class III Cultural Resource Inventory, Sweetwater County, Wyoming. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, CO 80111. May 2002,

Colorado Springs Utilities, Bear Creek Pump Station and Pipeline, Intensive Cultural Resource Inventory, El Paso County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. May 2002.

Public Service Company of Colorado, St. Vrain Meter Station to CIG Tie-in 12-Inch Pipeline, Cultural Resource Inventory, Weld County, Colorado and Public service Company of Colorado, Yosemite to Tri-Town 24-Inch Pipeline, Cultural Resource Inventory, Weld County, Colorado. Greystone Environmental Consultants, 5231 S.

Quebec St., Greenwood Village, Colorado 80111. May 2002.

GCC Rio Grande, Inc., Red Rock Plant & Quarry, Class III Cultural Resource Inventory, Pueblo County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. March 2002.

Kennedy Oil Company State 1-36 2397 Coal Bed Methane Well Cultural Resource Inventory Sweetwater County, Wyoming. April 2002. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111.

Platte River Power Authority Routing Study for the Rawhide to Rockport Natural Gas Pipeline, A Class III Cultural Resource Inventory, Weld and Larimer Counties, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, Colorado 80111. July 2001.

GlobalTowers, Inc., Communication Tower Site and Access Road and Powerline Right-of-Way for Hot Sulphur Springs at Mount Bross, A Class III Cultural Resource Inventory, Grand County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, CO 80111. July 2001.

GlobalTowers, Inc., Communication Tower Site and Access Road and Powerline Right-of-Way at Wolford Mountain, A Class III Cultural Resource Inventory, Grand County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, CO 80111. July 2001.

Lorencito Canyon Mine, Contour Cuts Along Lorencito Canyon, A Class III Cultural Resource Inventory, Las Animas County, Colorado. Greystone Environmental Consultants, 5231 S. Quebec St., Greenwood Village, CO 80111. March 2001.

Faunal Remains from Two Sites in the Wide Ruin Wash Area for Navajo Nation Archaeology Dept., Window Rock Roads Office, P.O. Box 689, Window Rock, AZ 86515. 2001.

Faunal Remains from the N12 Roads Project for Navajo Nation Archaeology Dept., Window Rock Roads Office, P.O. Box 689, Window Rock, AZ 86515. 2000.

Chapter 9: LA109129, and Chapter 23, in *Data Recovery along the 1995 MAPCO Four Corners Pipeline: Sites in the Jemez and Las Huertas Drainages, Sandoval County, New Mexico*, volume 3, pp. 71-130 and 247-248. Prepared for Mid-America Pipeline Company, and Bureau of Land Management. Office of Contract Archeology, University of New Mexico, Albuquerque. January 1999.

Human Remains, in *Data Recovery along the 1995 MAPCO Four Corners Pipeline: Sites in the Jemez and Las Huertas Drainages, Sandoval County, New Mexico*, volume 4, pp. 131-142. Prepared for Mid-America Pipeline Company, and Bureau of Land Management. Office of Contract Archeology, University of New Mexico, Albuquerque. June 1999.

Colorado Water Conservation Board, Hogback Area Proposed Stormwater Detention Basins, A Class III Cultural Resources Inventory in Fremont County, Colorado. A project for Powers Elevation Co., 13900 E. Harvard No. 113, Aurora, CO 80014, Project #99-CO-2. December 1998.

Public Service Company of Colorado, Elbert Creek Gaging Station and Access, La Plata County, Colorado: A Class III Cultural Resource Inventory. A project for Powers Elevation Co., 13900 E. Harvard No. 113, Aurora, CO 80014, Project #98-CO-10. December 1998.

Tri-State Prospect Valley - Sand Creek Tap 115kV Transmission Line Project Weld County, Colorado: A Cultural Resources Inventory. A project for Powers Elevation Co., 13900 E. Harvard No. 113, Aurora, CO 80014, Project #98-CO-8. December 1998.

Lone Pine Project (54-93336-4a) Site 5MT9343: Faunal Remains, for SWCA, INC., 463 Turner Drive, Suite 109, Durango, CO 81321. September 1997.

El Paso II, Results of the Faunal Analysis, for Western Cultural Resource Management, Farmington, NM. 1995-1996.

CrNV-46-7404, Results of the Faunal Analysis, for Western Cultural Resource Management, Reno, NV. January 1996.

Contributing author; The Faunal Remains for the El Paso Pipeline Project: A Synthesis, for Western Cultural Resource Management, Inc., 1206 E. Murray, Farmington, New Mexico 87401. 1995.

Vertebrate Faunal Remains for El Paso Pipeline Project, prepared for Western Cultural Resource Management, Inc., 1206 E. Murray, Farmington, New Mexico 87401. 1995.

Faunal Remains from Arkansas Loop, prepared for Woods Canyon Archaeological Consultants, Inc., P.O. Box 253, Yellow Jacket, CO 81335. 1992.

Faunal Remains from 5MT11431 and 5MT10820 for Woods Canyon Archaeological Consultants, Inc., Yellow Jacket, CO. 1992.

Description of the Burials Excavated from CA-SCL-690 and Discussion of Nonmetric Traits from CA-SCL-690, prepared for the State of California, Department of Transportation, San Francisco, CA. 1989.

## VI. PAPERS PRESENTED

Presented poster: Evidence in support of a two-prong colonization of Guam with data from the Naton Beach site. American Association of Physical Anthropology Conference, April 10, 2014, Calgary, Canada.

Podium presentation: Social, Cultural, Biological Relatedness Based on the Skeletal Remains of Pre-Latte and Latte Period Samples from Guam. Society for American Archaeology Conference, April 4, 2013, Honolulu, Hawaii.

Presented poster: Naton Beach Site: An Examination of the Skeletal Remains of Prehistoric Pre-Latte and Latte Burials. American Association of Physical Anthropology Conference, April 12, 2012, Portland, Oregon.

Co-presenter for poster: Dental Modification in a Prehistoric Chamorro Population in Tumon Bay, Guam. American Association of Physical Anthropology Conference, April 13, 2012, Portland, Oregon.

Presented Late Archaic and Early Farming Along the Rio Grande in the Albuquerque Area: Recent Discoveries Along Interstate 25 for the NMAC Fall Conference November 12, 2011, Albuquerque, New Mexico.

Presented poster: A Preliminary Analysis of Postcranial Metrics from the Nation Beach Site, Island of Guam, at the American Association of Physical Anthropology Conference, April 14, 2011, Minneapolis, Minnesota.

Presented co-authored poster: An Analysis of Non-masticatory Wear in the Prehistoric Chamorro from Tumon Bay, Guam, at the American Association of Physical Anthropology Conference, April 15, 2011, Minneapolis, Minnesota.

Places that Count: Understanding and Managing Traditional Cultural Properties. August 16, 2011. Instructor, Dr. Thomas King. Presented by SWCA Environmental Consultants.

Navigating NEPA: An Oil & Gas Focused Training Program, November 19, 2008. Presented by the Interstate Oil & Gas Compact Commission.

Dinétah Archaeology Workshop, October 18 to 20, 2007, Farmington, New Mexico. Presented by New Mexico Archaeological Counsel and Bureau of Land Management, Farmington Field Office.

Comprehensive NEPA, April 2-3, 2007 in Albuquerque, New Mexico. Instructor, Al Herson. Presented by SWCA, Environmental Consultants.

Consulting Indian Tribes in Cultural Resources Review, February 20-21, 2007 in Tucson, Arizona. Instructor, Dr. Thomas F. King. Presented by SWCA, Environmental Consultants.

Ground-Penetrating Radar prospect of the Early Pioneer Cemetery/Valmont Historic Cemetery, Boulder County, Colorado, July 5-6, 2005 for Xcel Energy Valmont Power Station.

Expert testimony on the cultural resources for the Transmission Line Siting Committee, Pinal and Maricopa Counties, Arizona. Hearings were held between the Fall of 2004 and Spring of 2005, for the Salt River 500kV transmission line project.

*Presented "Preserve, Protect, and Inform: A Case Study on the High Plains of Colorado" for the October 2004 meeting for the Plains Conference, Billings, Montana.*

*Presented "Preserve, Protect, and Inform: A Case Study on the High Plains of Colorado" for the April 2004 meeting of the Colorado Council of Professional Archaeologists, Colorado Springs.*

Training in Ground Penetrating Radar with Larry Conyers, Ph.D., University of Denver, April 18-20, 2003.

Basketmaker III in Black Creek Valley: A Look at the Exploitation of Animal Resources; published in Anasazi archaeology at the millennium: proceedings of the Sixth Occasional Anasazi Symposium, editor Paul F. Reed, Center for Desert Archaeology, 2003.

Presented: "Basketmaker III in Black Creek Valley: A Look at the Exploitation of Animal Resources" in the Sixth Occasional Anasazi Symposium, October 28, 2000.

Instructor, 2001-2005, Introduction to Cultural Anthropology (ANTH 101) for Community College of Denver, 1111 West Colfax Ave, Denver, CO 80217-3363.

Instructor, Spring Semester 1999, Introduction to Physical Anthropology for Arapahoe Community College, 2500 West College Drive, Littleton, CO 80160-9002.

## **VII. PROFESSIONAL AFFILIATIONS**

- American Association of Physical Anthropologists
- Society of American Archaeology
- New Mexico Archaeological Council
- Colorado Council of Professional Archaeologists
- Montana Archaeological Society

**ALEX WESSON**  
**Project Manager / Senior Archaeologist**

## **Education and Training**

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- Dinetah Archaeological Workshop (3 days), US Department of Interior (USDI), Bureau of Land Management (BLM) / New Mexico Archaeological Council (NMAC), 2009
- Comprehensive National Environmental Policy Act (NEPA) Training (3 days), SWCA Environmental Consultants (SWCA), (Al Herson, Instructor), 2008
- California Environmental Quality Act (CEQA) Basics Workshop (1 day), Association of Environmental Professionals (AEP), 2005
- A/E/C Principals Bootcamp (2 days), PSMJ Resources, Inc., 2005
- Places That Count, Identifying and Managing Traditional Cultural Properties (2 days), SWCA, (Tom King, instructor), 2005
- Issues in Section 106: An Advanced Seminar (2 days), SWCA (Tom King, instructor), 2005
- Project Managers Bootcamp (2 days), PSMJ Resources, Inc., 2005
- Consulting with the California SHPO Workshop at Annual Meeting of the Society for California Archaeology (1 day), 2004
- CEQA Basics Workshop (1 day), AEP, 2005
- Environmental Collaboration and Conflict Management (3 days), SWCA, 2004
- CEQA and Historic Resources (1 day), University of California, Los Angeles (UCLA) Extension, 2002
- CEQA 2001 Update, Issues and Trends (1 day), University of California, Davis Extension, 2001
- Project Management Training (1 day), URS Corporation, 2001
- Graduate Program, Anthropology, University of Hawaii-Manoa, 1998
- B.A., Anthropology, Hampshire College, Amherst, Massachusetts, 1995
- Archaeological Field School, Fort Lewis College, Durango, Colorado, 1993

## **Areas of Expertise**

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Mr. Wesson is a project manager and senior archaeologist in SWCA's Durango, Colorado office. Mr. Wesson meets the BLM qualifications for Field Supervisor, based on his more than 21 years of archaeological experience, as detailed below. He has over 21 years of professional experience in cultural resources management and environmental consulting in Arizona, California, Colorado, Hawai'i, Montana, Nevada, New Mexico, North Dakota, Oregon, Utah, Wyoming, and Micronesia. His professional experience encompasses a wide range of activities in the field, laboratory, and office, managing and supporting multidisciplinary environmental planning, permitting, and compliance projects.

Mr. Wesson is proficient in the preparation of NEPA, National Historic Preservation Act (NHPA), and CEQA documents and technical reports. He manages cultural resources projects involving geographic information systems (GIS) mapping, records searches in multiple states, and Native American consultation, and multidisciplinary NEPA projects involving public scoping and alternatives analysis. He routinely prepares impact assessments and mitigation recommendations for private, municipal, and federal clients, ensuring project compliance with local, state, and federal mandates.

Mr. Wesson's field experience includes survey, mapping, recording, photography, testing, data recovery, on-site analysis of human remains, burial excavation and relocation, and monitoring. In the laboratory, Mr. Wesson's professional experience includes: analysis of lithic, ceramic, bone, and shell artifacts, as well as historic glass, ceramic, and metal artifacts; analysis of terrestrial and marine faunal remains; osteological analysis of human skeletal remains in both archaeological and forensic contexts; preparation of C14 samples; cataloguing, preservation, and curation; artifact illustration; computer coding; and statistical analysis. Mr. Wesson's office experience includes the preparation of research designs, work plans, and technical reports, as well as cultural resources sections for public NEPA and CEQA documents. He conducts formal evaluations of resource eligibility for

inclusion on the National Register of Historic Places (NRHP) on a regular basis. Mr. Wesson has also managed the preparation of Environmental Assessments (EAs), scoping reports, biological resources survey reports, wetlands delineations, paleontological studies, air quality monitoring plans, and radiation models.

## **Project Experience**

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**Senior Archaeologist, San Rafael Desert Master Leasing Plan, Emery County, Utah (2017).** Reviewed cultural resources sections of EA Chapters 3 and 4 (Affected Environment and Environmental Consequences) and made recommendations for improvement. Employer: SWCA. Client: BLM Price and Richfield Field Offices.

**Senior Archaeologist, University of California – Irvine, Area 11 Housing Project, Orange County, California (2017).** Coordinated laboratory analysis and authored cultural resources report on archaeological work conducted for this housing development project. One previously unknown prehistoric archaeological site was identified during survey and archaeological monitoring of grading. The site was recorded and tested via mechanical and hand excavation. Employer: SWCA. Client: Irvine Campus Housing Authority.

**Senior Archaeologist, HON Bowls Cellular Communications Project, Honolulu County, Hawai`I (2017).** Reviewed cultural resources report prepared for proposed cellular telecommunications facility in Waimanalo. Employer: SWCA. Client: Bureau Veritas North America, Inc. (BVNA).

**Senior Archaeologist, HON Nalo Town Communications Facility, Honolulu County, Hawai`I (2017).** Reviewed cultural resources report prepared for proposed cellular telecommunications facility in Waimanalo. Employer: SWCA. Client: Bureau Veritas North America, Inc. (BVNA).

**EA Writer, Cedar Canyon 27-28 Oil Wells Project, Eddy County, New Mexico (2017).** Prepared Chapters 1 & 2 of the EA for this project, which included four wells on one well pad, access road, electric line, and pipelines. Employer: SWCA. Client: Oxy USA Inc.

**EA Writer, Cypress 34 Oil Wells Project, Eddy County, New Mexico (2017).** Prepared Chapters 1 & 2 of the EA for this project, which included three wells on two well pads, two access roads, two electric lines, and multiple pipelines. Employer: SWCA. Client: Oxy USA Inc.

**EA Writer, Cedar Canyon 20 Oil Wells Project, Eddy County, New Mexico (2017).** Prepared Chapters 1 & 2 of the EA for this project, which included three wells on one well pad, access road, electric line, and pipelines. Employer: SWCA. Client: Oxy USA Inc.

**Project Manager, Class III Cultural Resources Inventory for the Mesa 34-F.9A Bridge Replacement Project, Mesa County, Colorado (2016-present).** Managing survey and recording of 1960s bridge spanning the Government Highline Canal in Grand Junction. The bridge is slated for replacement. Employer: SWCA. Client: Shmueser Gordon Meyer (SGM), Inc.

**Project Manager, Class III Cultural Resources Inventory of the Bluffview Laydown Yard San Juan County, New Mexico (2016).** Managed Class I file search, Class III intensive pedestrian inventory, and report preparation for Farmington Electric Utility System (FEUS). FEUS personnel identified prehistoric ceramics on the ground surface during initial grading to prepare a small portion of an existing disturbed laydown yard for temporary equipment staging. Although no cultural materials were observed within the small area subjected to grading, FEUS ceased work and contacted SWCA. SWCA surveyed the entire yard, newly recording one multicomponent archaeological site and three isolated occurrences, as well as identifying an appropriate location within the yard for equipment staging. Employer: SWCA. Client: Farmington Electric Utility System (FEUS).

**Project Manager, Class III Cultural Resources Inventory for the Proposed Installation of a Culvert Associated with the May Day Idaho Mine, La Plata County, Colorado (2016).** Managed and conducted a Class I files search and Class III intensive pedestrian survey of proposed improvements to an existing access road for an existing historic mine in the La Plata Mountains of southwest Colorado. The historic May Day No. 2 portal and associated resources were newly recorded and evaluated for the NRHP. Employer: SWCA. Client: Wildcat Mining Corporation.

**Project Manager, Class III Cultural Resources Inventory for Telluride Medical Center, San Miguel County, Colorado (2016).** Managed and conducted a Class I files search and Class III intensive pedestrian survey of three locations associated with the proposed Telluride Medical Center, in Mountain Village, Colorado. The site of the proposed facility was inventoried, as were two compensatory wetlands sites, all with negative results. Employer: SWCA. Client: SGM, Inc.

**Project Manager, Chevron SD EA 19 Fed P6 #7H Well Stimulation Project, Lea County, New Mexico (2016).** Managed archaeological monitoring of seismic layout crews on public lands administered by the BLM Carlsbad Field Office and intensive cultural resources surveys of seismic receiver lands on State lands administered by the New Mexico State Lands Office (NMSLO) for a microseismic project in the Permian Basin of southeast New Mexico. The monitoring stipulations were required for the portions of the project on BLM land, in accordance with the Permian Basin Programmatic Agreement (PBPA). The NMSLO is not a signatory to the PBPA, and as such, a Class III archaeological survey of the proposed cable lines on SLO lands was required. A total of 8.19 acres was surveyed for the presence of cultural resources on SLO lands, with negative results. Employer: SWCA. Client: Microseismic, Inc.

**Project Manager, Lisbon Valley Monitoring Wells Project, San Juan County, Utah (2015-2016).** Managed biological and cultural resources surveys for nine proposed hydrogeologic monitoring well locations and multiple access road segments on public lands administered by the BLM Moab Field Office. The proposed wells and access roads are associated with Rio Algom Mining LLC's (RAML's) existing Lisbon Site. Biological resources surveys included a general survey of the proposed surface disturbance areas, as well as species-specific surveys for Gunnison's prairie dog and burrowing owl within 0.25 mile and raptor nest surveys within 0.5 mile. The Class III cultural resources inventory covered 20.5 acres in total, and resulted in the new recording of one archaeological site and six isolated occurrences. The Old Spanish National Historic Trail (OSNHT) intersects the proposed project area and SWCA evaluated the potential of the proposed undertaking to affect the OSNHT pursuant to the NHPA and the National Trail Systems Act. Employer: SWCA. Client: RAML.

**Cultural Resources Task Manager, Animas Hydroelectric Plant Repower Project, San Juan County, New Mexico (2015-2016).** Managed Class I file search and Class III intensive pedestrian inventory of 2.8 acres associated with a project to repower an existing, historic hydroelectric plant on the Animas River. Owned by the City of Farmington, New Mexico, the Animas Hydroelectric Plant and associated historic Willet Ditch were formally recorded and evaluated for the NRHP. Employer: SWCA. Client: FEUS.

**Project Manager, Johnson Tract Campground Cultural Resources Inventory, San Juan County, New Mexico (2015-2016).** Managed Class I file search and Class III intensive pedestrian inventories of a 61.5-acre parcel proposed for a campground. Located within the floodplain for the San Juan River, the property was recently acquired as an addition to the existing Navajo Lake State Park. Multiple historic resources were recorded, including a homestead and acequia segments. Employer: SWCA. Client: New Mexico State Parks (NMSP).

**Field Director, Lightning Draw Well Pads Cultural Resource Services, San Juan County, Utah (2015).** Conducted Class III pedestrian inventory of three locations near Hatch Wash proposed for oil well pads and associated access roads. Recorded one prehistoric site, one multicomponent site, one historic road, and multiple isolated finds. Coordinated with project manager and BLM archaeologist in Monticello Field Office. Employer: SWCA. Client: ST Oil Utah, LLC.

**Project Manager, Class III Cultural Resources Inventory for Navajo Lake State Park Water System Improvements, Archuleta County, Colorado (2014-2015).** Managed Class I file search and Class III pedestrian inventory for proposed improvements to the existing water supply system at Navajo Lake State Park (NSP). Colorado Parks & Wildlife proposed to implement, update, and construct a large-scale water design system for NSP, entailing various construction and maintenance projects, some of which include; drilling new water wells, replacing existing wells, upgrading existing pipeline, and installing new pipeline. In total, 45.40 acres were inventoried for the proposed project, on private land, state land owned by CPW, and Bureau of Reclamation lands. During the inventory, SWCA newly recorded one historic artifact scatter site, two new lateral segments of the historic Candelaria Ditch, and two isolated finds. Employer: SWCA. Client: SGM, Inc.

**Project Manager, Class III Cultural Resources Inventory for LPWWA Phase I Distribution Project, La Plata County, Colorado (2014-2016).** Managing Class I file search and Class III pedestrian inventory for approximately 20 miles of water distribution pipeline in western La Plata County, proposed by La Plata West Water Authority (LPWWA). The proposed project is located entirely on private lands. Class III fieldwork is slated for spring 2015. Employer: SWCA. Client: Bartlett & West Engineers.

**Project Manager, Lake Nighthorse Raw Water Pipeline, La Plata County, Colorado (2014-2016).** Managing preparation of Environmental Assessment (EA), Biological Evaluation (BE) and cultural resources inventory. Managed Class I file search and Class III pedestrian inventory for approximately 4.6 mile-long water supply pipeline west of Durango. The proposed project, which includes an intake structure on the shore of Lake Nighthorse, a booster pump station, and electric distribution line in addition to the pipeline, is located partially within the high-density Ridges Basin area where the Animas-La Plata project was conducted. Multiple prehistoric and historic resources were newly recorded and updated as a result of the cultural resources inventory. Coordination with client, LPWWA, Ute Mountain Ute Tribe, Bureau of Reclamation, and Colorado Office of Archaeology and Historic Preservation (OAHP). Employer: SWCA. Client: Bartlett & West Engineers.

**Project Manager, Cultural Resources Monitoring of Geotechnical Investigations for the Lake Nighthorse Raw Water Pipeline, La Plata County, Colorado (2015).** Managing cultural resources monitoring of geotechnical coring along sensitive portion of proposed water supply pipeline west of Durango. The monitoring is conducted along the sensitive portion of the pipeline alignment within the high-density Ridges Basin area, in the vicinity of multiple known prehistoric archaeological sites. Managed Migratory Bird Treaty Act (MBTA) nest surveys. Coordination with client, engineers, and Bureau of Reclamation. Employer: SWCA. Client: Trautner Geotech LLC.

**Cultural Resources Task Manager, Southern Ute 3-35H Well, La Plata County, Colorado (2014-2015).** Managed Class I file search and Class III pedestrian inventory for a proposed natural gas well near Ignacio, CO. Conducted Class III survey and site recording. The proposed well is located on tribal (Southern Ute Indian Tribe [SUIT]) surface and would access SUIT minerals. One prehistoric archaeological site was identified and recorded during the survey of the proposed well pad, access road, and pipeline tie. Supplemental Class III inventory was conducted to identify an adjacent area free of cultural resources, where the proposed well location has since been moved. Employer: SWCA. Client: XTO Energy Inc. (XTO).

**Project Manager, Cultural Resources Services for the Kevin Dome Carbon Storage Project, Toole County, Montana (2011-2016).** Managed archaeological monitoring of geophysical survey program and infrastructure construction, as well as resulting resource documentation. Managed Class I study and Class III cultural resources inventory of a geophysical exploration program, as well as proposed project infrastructure in northern Montana. SWCA has inventoried over 300 miles of seismic source and receiver lines on public and private lands for the geophysical program, recording over 100 archaeological sites. The seismic survey is an interim action to better define the subsurface geology within the project area and inform the siting of CO<sub>2</sub> production and injection wells for a carbon sequestration demonstration project funded in part by the U.S. Department of Energy (DOE). SWCA has also inventoried block areas proposed for infrastructure and will survey additional block and linear areas in the future for other proposed facilities and pipelines. The proposed project covers portions of 58 legal sections in a

block area covering approximately 37,120 acres of private land, state land administered by the Montana Department of Natural Resources and Conservation (DNRC), lands administered by the BLM Havre Field Office, and the U.S. Fish & Wildlife Service (USFWS). The project proponent, Big Sky Carbon Sequestration Partnership, is a public-private partnership between Montana State University (MSU) and producers including Vecta Oil & Gas, Ltd. Prepared inventory plan and preliminary letter report, both approved by DOE and SHPO. Managing preparation of Class III reports including documentation of prehistoric and historic cultural resources. Prepared an Historic Properties Treatment Plan and Unanticipated Discovery Plan. Managed preparation of worker education presentation and handout. Participated in tribal meetings and led site visits with MSU, DOE, and tribal representatives. Ongoing coordination with BLM, SHPO, DNRC, client, lead geophysicist, and land surveyors. Reports submitted to DOE National Energy Technology Laboratory (NETL) and Montana SHPO. Employer: SWCA. Client: MSU.

**Cultural Resources Task Manager, Piñon Pipeline, McKinley, Rio Arriba, San Juan, and Sandoval Counties, New Mexico (2014-15).** Managed Class III pedestrian inventory for approximately 130-mile oil pipeline project, including gathering system, terminal sites (approximate 400 acres total), and main line from the San Juan Basin to Interstate 40. Managed ethnography / archaeology subcontractor and multiple field crews. Managed Class I file search of State, BLM, and Navajo Nation records. Coordinated with BLM Farmington Field Office, Navajo Nation Historic Preservation Division, New Mexico State Lands Office, New Mexico Historic Preservation Division, Bureau of Indian Affairs Navajo Agency, client, and other contractors. Employer: SWCA. Client: Saddle Butte San Juan Midstream, LLC.

**Project Manager, King II Mine 2014 Core Drilling Program, La Plata County, Colorado (2014).** Managed cultural resources and biological resources surveys for nine proposed core drilling sites land controlled by the Colorado State Land Board for a minerals exploration program associated with the existing King II coal mine near Hesperus, Colorado. Managed Class I file search and conducted Class III intensive pedestrian survey totalling 2.07. Prepared limited results report and managed preparation of biological survey report. Coordinated with client and OAHP. Submitted report to OAHP. Employer: SWCA. Client: GCC Energy, LLC.

**Project Manager, Cultural Resources Services for the Big Rock 3D Geophysical Exploration Project, Glacier County, Montana (2012-13).** Managed Class I file search for tribal surface portions of a geophysical exploration project in northern Montana. Coordination with Blackfeet Tribal Historic Preservation Office (THPO), Bureau of Indian Affairs (BIA) and geophysical group. Project cancelled prior to initiation of Class III inventory. Employer: SWCA. Client: Vecta Oil and Gas, Ltd.

**Project Manager, Pandora Cultural Resources and Jurisdictional Delineation 2012, San Juan County, Utah (2012-13).** Managed Class I/III cultural resources inventory of approximately 27 acres for proposed uranium exploration within the Manti-La Sal National Forest east of La Sal, Utah. Managing preparation of a Jurisdictional Delineation associated with the proposed expansion of the existing development rock storage area at the Pandora Mine (BLM surface), for submittal to the U.S. Army Corps of Engineers (Corps) and BLM, Moab Field Office. Cultural resources report submitted to U.S. Department of Agriculture, Forest Service (USFS) Manti – La Sal National Forest and Utah Division of State History (UDSH). Employer: SWCA. Client: Energy Fuels Resources (USA) Inc.

**Project Manager, Daneros Mine Expansion, San Juan County, Utah (2011-13).** Managed Class I and Class III cultural resources inventory and biological resources survey for proposed uranium mine vents, access roads, and other proposed facilities for expansion of existing uranium mine. Fieldwork, including recording of historic and prehistoric resources. Coordination with agency personnel at BLM Monticello Field Office, as well as client and mine personnel. Employer: SWCA. Client: Energy Fuels Resources (USA) Inc.

**Project Manager, Class III Cultural Resources Inventory of Three Xcel Energy Transmission Line Segments, Boulder County, Colorado (2011-13).** Managed Class III cultural resources inventory for proposed upgrade of three transmission line segments on USFS (Arapahoe-Roosevelt National Forest) and private lands in the vicinity of

Nederland and Ward, Colorado. Documentation of various historic resources. Employer: SWCA. Client: James Enterprises, Inc. (JEI).

**Senior Archaeologist, Class III Cultural Resource Inventory of the Chokecherry and Sierra Madre Wind Energy Project, Carbon County, Wyoming (2013).** Reviewed and edited narratives for newly recorded prehistoric, historic, and multicomponent archaeological sites. Employer: SWCA. Client: Power Company of Wyoming.

**Project Manager, Menfee Mountain Coal Fires Project, La Plata County, Colorado (2013).** Managed Class I file search and Class III intensive pedestrian survey of 0.61 acre associated with ground disturbing activities for a project to control slow-burning fires in natural coal seams and historic coal mines on public lands administered by BLM. Coordinated with client, BLM archaeologist, and OAHP. Submitted report to BLM Tres Rios Field Office. Employer: SWCA. Client: Colorado Department of Natural Resources, Division of Reclamation, Mining, and Safety.

**Project Manager, King II Mine Vehicle Staging Area and Turn Lanes, La Plata County, Colorado (2013).** Managed Class I file search and Class III intensive pedestrian survey of 6.5 acres of land controlled by the Colorado State Land Board for a proposed vehicle staging area associated with the existing King II coal mine near Hesperus, Colorado. Attended onsite meeting and conducted Class III inventory associated with proposed turn lanes on Highway 140 and County Road 120. Coordinated with client, other contractors, Colorado Department of Transportation (CDOT), and OAHP. Submitted reports to OAHP. Employer: SWCA. Client: GCC Energy, LLC.

**Project Manager, Bulldog Mine Project, Mineral County, Colorado (2012-13).** Managed Class I file search and Class III intensive pedestrian survey of 55 acres for proposed mining project in the Rio Grande National Forest (RGNF), including water pipelines and waste rock storage facilities. Multiple historic and prehistoric resources were identified and recorded. Directed and conducted Class III survey for three days. Coordination with proponent (Rio Grande Silver, Inc.) and RGNF archaeologist. Employer: SWCA. Client: 48 Degrees North, Inc.

**Project Manager, Galisteo Basin Management Plan and Environmental Assessment (EA), Santa Fe County, New Mexico (2009-13).** Managed collaborative development of a management plan for a suite of significant archaeological sites in the Galisteo Basin, as mandated by the Galisteo Basin Archaeological Sites Protection Act. The sites named in the Act include complex pueblos, extensive rock art, and ruins of Spanish colonial settlements. Together, the 24 management sites comprise over 4,500 acres with multiple land ownership status, requiring cooperative agreements between the Bureau of Land Management (BLM), Taos Field Office and private landowners. Assisted BLM with response to public comments on Draft management plan and EA. Employer: SWCA. Client: BLM, Taos Field Office.

**Project Manager, Class I Files Search for Nighthawk Knoss 6-21, Phillips County, Colorado (2012).** Managed Class I files search and wrote letter report for proposed oil well. Employer: SWCA. Client: LT Environmental, Inc.

**Project Manager, Sunday Mines Monitoring Wells Biological and Cultural Resources Surveys, San Miguel County, Colorado (2012).** Managing surveys for nesting migratory birds and raptors in for six proposed monitoring wells and access roads near an existing uranium mine complex near the Utah line. Managing Class I/III cultural resources inventory. Reports to be submitted to the BLM, Tres Rios Field Office. Employer: SWCA. Client: Denison Mines (USA) Corp.

**Cultural Resources Task Manager, Willow Creek Gravel Source EA & Resource Surveys, Rio Arriba County, New Mexico (2012).** Managing Class I/III cultural resources inventory for a proposed gravel source adjacent to the Rio Chama, as well as a proposed crusher site, both on the Jicarilla Apache Nation (JAN). Led Class III field survey. Coordination with JAN THPO and Bureau of Indian Affairs (BIA). Employer: SWCA. Client: Jicarilla Contract Roads.

**Project Manager, Verizon Wireless CO3 Aspen Project, Pitkin County, Colorado (2012).** Managed Class I and III cultural resources inventories for a proposed wireless telecommunications facility collocated atop an existing

building in downtown Aspen. Viewshed analysis and photography of historic buildings and districts within indirect area of potential effect. Class I file search conducted via CO SHPO's Compass database. Employer: SWCA. Client: Bureau Veritas North America, Inc. (BVNA).

**Project Manager, Verizon Wireless DEN State EOC Project, Jefferson County, Colorado (2012).** Managed Class I and III cultural resources inventories for a proposed wireless telecommunications facility collocated atop an existing building in Golden, Colorado. Viewshed analysis and photography of historic buildings and districts within indirect area of potential effect. Class I file search conducted via CO SHPO's Compass database. Employer: SWCA. Client: Bureau Veritas North America, Inc. (BVNA).

**Project Manager, Verizon Wireless CO6 Narrow Gauge Project, La Plata County, Colorado (2012).** Managed Class I and III cultural resources inventories for a proposed wireless telecommunications facility collocated atop an existing building in downtown Durango. Viewshed analysis and photography of historic buildings and districts within indirect area of potential effect. Class I file search conducted via CO SHPO's Compass database. Employer: SWCA. Client: Bureau Veritas North America, Inc. (BVNA).

**Project Manager, Noble Energy Piceance 3D Cultural Resources Services, Garfield and Mesa Counties, Colorado (2011-12).** Managed Class I study and Class III cultural resources inventory of source lines on public and private lands. Managed preparation of Class I Study (standalone document required for non-inventoried private lands) and Class III report including documentation of prehistoric and historic cultural resources. Prepared four separate addendum reports for portions of project surveyed on private lands. Coordination with BLM, client, land surveyors, and project proponent (Noble Energy). Reports submitted to BLM Colorado River Valley (Silt) Field Office. Employer: SWCA. Client: Seismic Acquisition Services, LLC.

**Project Manager, Class III Cultural Resources Inventory of Black Raven Energy Federal Wells and Pipeline, Phillips County, Colorado (2011-12).** Managed Class I and Class III cultural resources inventory for six proposed well pads and access roads on private land with Federal minerals, as well as a gathering pipeline. Coordination with BLM and client. Reports submitted to BLM Front Range District Office / Royal Gorge Field Office. Employer: SWCA. Client: Black Raven Energy, Inc.

**Senior Archaeologist, Pioneer 50-Megawatt Wind Park Project, Converse County, Wyoming (2011).** Conducted report review and QA/QC and prepared NRHP eligibility and project effect recommendations for an approximately 25,000-acre wind power generation project. SWCA's Class III inventory for the project includes approximately 3,000 acres, and was conducted in support of compliance with Section 109 of the Wyoming Industrial Siting Act. Employer: SWCA. Client: Wasatch Wind Intermountain, LLC.

**Senior Archaeologist, White River Dome 3D Class I and III Cultural Resources Inventory, Rio Blanco County, Colorado (2011).** Provided project management support during initial phases of cultural resources services for a large seismic exploration project in NW Colorado, including: Class I files searches, project planning and methodology, GIS mapping, QA/QC, and client coordination. Employer: SWCA. Client: Whiting Petroleum Corporation.

**Project Manager, Mt. Emmons Public Comment Analysis, Gunnison County, Colorado (2011).** Managed development of public comment database, analysis of approximately 1,200 public scoping comments, and preparation of scoping report for a geotechnical baseline studies project for a potential molybdenum mine near Crested Butte, Colorado. Assisted with facilitation of public scoping meetings in Gunnison and Mt. Crested Butte, Colorado, in support of USDA Forest Service (USFS), Grand Mesa, Uncompahgre, and Gunnison (GMUG) National Forest. Worked closely with client and GMUG NEPA project manager to distill primary issues from public comments for the USFS Interdisciplinary team to address in the EA for this controversial project proposed by U.S. Energy Corp. Plan of Operations for baseline studies was withdrawn by proponent (US Energy) prior to preparation of EA. Employer: SWCA. Client: KTB Decision Resources, Inc.

**Senior Archaeologist, Cultural Resource Inventory of the Gosney 3-A and 5-A Well Pad and Pipeline Ties, La Plata County, Colorado (2011).** Class I and III inventory for dual wells proposed on an existing dual well pad with tribal (Southern Ute Indian Tribe) surface and minerals ownership. No cultural resources were found and a limited results report was submitted to and approved by the Bureau of Indian Affairs (BIA). Employer: SWCA. Client: *Tiis Ya Toh, Inc.*

**Project Manager, La Sal Mines Complex Environmental Support Services, La Sal, San Juan County, Utah (2011).** Managed Class I and Class III cultural resources inventory for proposed exploration drilling program on State of Utah, School and Institutional Trust Lands Administration (SITLA), County, and private lands (Class III on SITLA lands only). Managing preparation of wildlife, vegetation, and cultural resources sections for EA. Coordination with agency personnel at Bureau of Land Management (BLM) Moab Field Office, and USFS Manti – La Sal National Forest, Monticello Office, as well as client and NEPA lead contractor. Employer: SWCA. Client: Denison Mines (USA) Corp.

**Cultural Resources Task Manager, Hawkeye/Mandaree/BearDen Wells, Fort Berthold Indian Reservation, McKenzie County, North Dakota (2011).** Coordinating preparation and submittal of Class I/III cultural resources inventory reports for multiple proposed oil well pads and associated access roads. Reports to be submitted to Bureau of Indian Affairs (BIA), Great Plains Regional Office. Employer: SWCA. Client: EOG Resources, Inc. (EOG).

**Project Manager, Tony M Mine Bat Mitigation Plan, Grand County, Utah (2011).** Managed preparation of an outline and preliminary research to inform a mitigation plan to reduce bat use of an evaporation pond associated with a uranium mine in south central Utah, and provide alternate water sources for bats using the area. Coordination with client, SWCA biologists, and BLM biologist at Henry Mountains Field Station, Hanksville, Utah. Employer: SWCA. Client: Denison Mines (USA) Corp.

**Senior Archaeologist, Arrow Kodiak 12-10-11-9 / 4-10-11-8 Gathering Pipeline, Fort Berthold Indian Reservation, Dunn County, North Dakota (2011).** Authored Class III report for proposed gathering line, including pipelines for oil, gas, and produced water. Report submitted to BIA. Employer: SWCA. Client: Arrow Pipeline, LLC.

**Senior Archaeologist, Niobrara Phase 1B & 1D 3-D Geophysical Exploration Project, Weld County, Colorado (2010-11).** Reviewed cultural resources sections for EA, drafted several sections of Class III cultural resources inventory report, summarized Class I files search results, conducted QA/QC reviews of site documentation, and reviewed site narratives. Employer: SWCA. Client: Geokinetics, USA, Inc. (Geokinetics).

**Cultural Resources Task Manager, Hawkeye/Riverview Wells, Fort Berthold Indian Reservation, McKenzie County, North Dakota (2010).** Coordinated preparation and submittal of Class III cultural resources inventory reports for four proposed oil well pads and associated access roads. Managed preparation of cultural resources sections for EA document. Reports and EA submitted to BIA. Employer: SWCA. Client: EOG.

**Senior Archaeologist, Arrow XTO Iron Women – Yellow Wolf Gathering Line, Fort Berthold Indian Reservation, Dunn County, North Dakota (2010).** Authored Class III report for proposed gathering line, including pipelines for oil, gas, and produced water. Prepared digital site forms for two newly recorded resources, coordinated mapping, and conducted historical research. Report submitted to BIA. Employer: SWCA. Client: Arrow Pipeline, LLC.

**Cultural Resources Task Manager, Clarks Creek Wells, Fort Berthold Indian Reservation, McKenzie County, North Dakota (2010).** Coordinated preparation and submittal of Class III cultural resources inventory reports for four proposed oil well pads and associated access roads. Managed preparation of cultural resources sections for EA document. Reports and EA submitted to BIA. Employer: SWCA. Client: EOG.

**Project Manager, South Laramie Basin 3-D Geophysical Exploration Project, Carbon County, Wyoming (2010).** Managed Class I files search and Class III cultural resources inventory of 30 miles of source line and two-track

roads on public and private lands. Managed inventory of active prairie dog burrows along source lines on public land. Reports submitted to BLM Rawlins Field Office. Employer: SWCA. Client: Geokinetics.

**Cultural Resources Task Manager, Jim Bridger Power Plant 3-D Seismic and Electromagnetic Surveys Project, Sweetwater County, Wyoming (2010).** Managed Class I files search and Class III cultural resources inventory of 1,075 acres for source lines and two-track roads on public and private lands. Managed and co-authored Class III report including documentation of prehistoric and historic archaeological sites and potential traditional cultural properties (TCPs), and visual contrast ratings for intact segments of the Overland Trail, the Point of Rocks Stage Station, and the Tolar Petroglyphs site. Report submitted to BLM Rock Springs Field Office. Employer: SWCA. Client: Geokinetics.

**Cultural Resources Task Manager, Horse Camp Wells, Fort Berthold Indian Reservation, McKenzie County, North Dakota (2010).** Coordinated preparation and submittal of Class III cultural resources inventory reports for four proposed oil wells and associated access roads. Managed preparation of cultural resources sections for EA document. Reports are EAsubmitted to Bureau of Indian Affairs. Employer: SWCA. Client: EOG.

**Senior Archaeologist, Jonah 3-D Geophysical Exploration Project, Sublette County, Wyoming (2010).** Drafted Background Research section of technical report: summarized Class I files search results, characterized the archaeological context of the various subregions included in the project area, and reviewed historic GLO plats. Employer: SWCA. Client: Global Geophysical Services.

**Project Manager, Tony M Mine Bat Monitoring Survey, Grand County, Utah (2009-10).** Managing design and implementation of a year-long bat monitoring program at an existing evaporation pond associated with a uranium mine in south central Utah. The program employs AnaBat equipment to record the vocalizations of bats within the study area over a one-year period. Results will be analyzed to address questions regarding which species of bats are active in the area and when (seasonality and times of day). The survey is being conducted at BLM request and the protocol was developed in coordination with BLM biologists. Employer: SWCA. Client: Denison Mines (USA) Corp.

**Project Manager, Verizon Wireless CO1 Mellen Hill Project, Rio Blanco County, Colorado (2009).** Managed Class I and III cultural resources inventories for a proposed wireless telecommunications facility project on public land administered by BLM. One historic isolated find was identified during Class III survey. Class I file search conducted via CO SHPO's Compass database. A limited results report was prepared. Employer: SWCA. Client: BVNA.

**Cultural Resources Task Manager, San Juan Basin Energy Connect, San Juan County, New Mexico and La Plata County, Colorado (2009).** Managed cultural resources portion of route refinement study and EA for a proposed transmission line from Farmington, NM to Ignacio, CO. Employer: SWCA. Client: Tri-State Generation & Transmission Association, Inc.

**Project Manager, Verizon Wireless El Camino Alt. 1 Project, Mesa County, Colorado (2009).** Managed one-acre Class III cultural resources survey for proposed wireless telecommunications facility on private land in Grand Junction, CO. No cultural resources were identified during Class III survey. Class I file search conducted via CO SHPO's Compass database. A limited results report was prepared. Employer: SWCA. Client: BVNA.

**Project Manager, Pandora 2009 Project, San Juan County, Utah (2009).** Managed cultural and biological resources surveys for proposed uranium exploration, vent construction, and expansion of waste rock area on both BLM and U.S. Department of Agriculture, Forest Service (USFS) lands east of La Sal, Utah. Managing paleontological reconnaissance and literature search. Cultural, biological, and paleontological reports to be submitted to BLM, Moab Field Office, and USFS Manti – La Sal National Forest. One prehistoric archaeological site and 10 isolates were recorded during the cultural resources surveys. Employer: SWCA. Client: Denison Mines (USA) Corp

**Project Manager, Verizon Wireless Pagosa Springs CO7 Project, Archuleta County, Colorado (2009).** Managed 10-acre Class III cultural resources survey for proposed construction at existing wireless telecommunications tower site with the San Juan National Forest, southwest of Pagosa Springs, CO. No cultural resources were identified. Class I file search conducted via CO SHPO's Compass database. A limited results report was submitted to the USFS, Pagosa Springs Public Lands Office. Employer: SWCA. Client: BVNA.

**Project Manager, Beaver Shaft 1050 Vent Powerline, San Juan County, Utah (2009).** Managed Class III cultural resources survey for proposed powerline extension to vent for existing uranium mine, near La Sal, Utah. Survey conducted in response to a BLM request. No cultural resources were identified. Class I file search conducted at UT SHPO and BLM Moab Field Office. A negative results report was submitted to the BLM, Moab Field Office. Employer: SWCA. Client: Denison Mines (USA) Corp.

**Project Manager, Sunday Mines Raptor Survey, San Miguel County, Colorado (2009).** Managed surveys for nesting raptors and peregrine falcons in the vicinity of proposed uranium exploration drilling and new vents for an existing mine near the Utah line. Survey conducted in response to a BLM request. No nesting raptors or peregrine falcons were identified. A letter report was submitted to the BLM, Dolores Field Office. Employer: SWCA. Client: Denison Mines (USA) Corp.

**Project Manager, Daneros Mine Project, San Juan County, Utah (2008-9).** Managed biological and cultural resources surveys for a proposed uranium mine west of Blanding, Utah. Technical reports were submitted and accepted by the BLM, Monticello Field Office. Several isolated occurrences were recorded during the cultural resources survey. Managed preparation of EA document for submittal to BLM including incorporation of public and agency comments. The primary issues brought forward for analysis in the EA were public health and safety, air quality, hydrology and water quality, and wildlife. Managed air quality monitoring plan, residual radiation modeling, and preconstruction surveys for raptors and lambing bighorn sheep. Employer: SWCA. Client: Utah Energy Corporation.

**Project Manager, Rio Grande Silver Exploration Project, Mineral County, Colorado (2008-10).** Managed Class I file search and Class III intensive pedestrian survey of 380 acres and approximately 40 miles of roads and trails for proposed minerals exploration project in the Rio Grande National Forest. Multiple historic and prehistoric resources have been documented in this high alpine project area, which ranges from roughly 10,000-13,000 feet amsl. Conducted Class III survey for three days. Employer: SWCA. Client: James Enterprises, Inc. (JEI).

**Project Manager, Silver Hills Pipeline Project, La Plata County, Colorado (2008-9).** Managed preparation of EA, as well as cultural resources and threatened and endangered species surveys for a proposed natural gas pipeline near Oxford, CO. A portion of the project included Southern Ute Indian Tribe (SUIT) Trust Lands, triggering the need for NEPA compliance. A cultural resources inventory report and a biological assessment (BA) were submitted to and approved by the SUIT and the BIA, Southwest Region. One puebloan habitation site was recorded during the cultural resources survey, as well as several historic and prehistoric isolated finds. Employer: SWCA. Client: XTO.

**Project Manager, Zellitti Project, La Plata County, Colorado (2008-10).** Managed cultural resources and threatened and endangered species surveys for two proposed natural gas wells near the Florida River. Both wells (Zellitti 34-3 and 34-4) were twinned with existing wells on tribal (SUIT) minerals, and one of the wells included a proposed access road and pipeline. Led cultural resources survey. One new multicomponent site was identified and recorded, and three previously recorded prehistoric puebloan sites were updated. Several prehistoric isolates were also documented. Employer: SWCA. Client: XTO.

**Project Manager, Hocker 3-35 Well, La Plata County, Colorado (2008-10).** Managed cultural resources and threatened and endangered species surveys for a proposed natural gas well near Ignacio, CO. The proposed well (Hocker 3-35) was twinned with an existing well located on tribal (SUIT) minerals. The proposed access road and pipeline cross a portion of SUIT surface as well. One new Dinetah site was identified and recorded during the

survey of the proposed well pad and portion of the access road on private land. The portion of the proposed access road on SUIT surface was surveyed in conjunction with a joint BLM/SUIT onsite meeting, pursuant to SUIT protocol. Employer: SWCA. Client: XTO.

**Cultural Resources Task Manager, ConocoPhillips Well Pads, San Juan County, New Mexico (2007-10).** Managed cultural resources work, including Class I files searches, preliminary reconnaissance, and intensive pedestrian surveys for 50+ proposed natural gas well pads in the San Juan Basin. Most of these projects lie within the Dinetah permitting region, as defined by NM BLM. Multiple prehistoric resources were recorded during the various surveys conducted. Personally conducted several days of intensive survey, as well as preliminary reconnaissance. Employer: SWCA. Client: ConocoPhillips.

**Project Manager, Coyote Gulch & Antler Lateral Right-of-Way (ROW) Repair Project, La Plata County, Colorado (2008-9).** Managed cultural resources and threatened and endangered species surveys for proposed repairs of existing natural gas pipeline ROW at two locations in southern La Plata County, CO, near the New Mexico line. No cultural resources were encountered. A cultural resources inventory report and a biological assessment (BA) were submitted to and approved by the SUIT and the BIA, Southwest Region. Employer: SWCA. Client: Trans Colorado Gas Transmission.

**Cultural Resources Task Manager, Durango Animas River Trail North Extension, La Plata County, Colorado (2008).** Managed and conducted cultural resources inventory along existing Durango & Silverton Narrow Gauge Railroad in Durango, Colorado for proposed extension of recreational trail adjacent to the existing railroad tracks and the Animas River. Updated records for two previously recorded cultural resources. Employer: SWCA. Client: Loris & Associates.

**Project Manager, Williams Rosa SJB MicroSeismic Project, Rio Arriba County, New Mexico (2008).** Managed preparation of an EA for submittal to U.S. Department of Interior, Bureau of Land Management (BLM), Farmington Field Office. Directed and conducted cultural resources reconnaissance for proposed receiver lines. Multiple prehistoric resources were identified but no formal recording was undertaken, pursuant to BLM instruction. EA was prepared in an extremely tight time frame and was well received by BLM. Employer: SWCA. Client: MicroSeismic, Inc.

**Project Manager, Pandora Exploration 2008 Project, San Juan County, Utah (2008).** Managed cultural and biological resources surveys for a proposed uranium exploration project on both BLM and U.S. Department of Agriculture, Forest Service (USFS) lands east of La Sal, Utah. Managed paleontological reconnaissance and literature search. Cultural, biological, and paleontological reports were submitted to BLM, Moab Field Office, and USFS Manti – La Sal National Forest. Three prehistoric isolates were recorded during the cultural resources survey. Employer: SWCA. Client: Denison Mines (USA) Corp

**Project Manager, Monogram Mesa Project, Montrose County, Colorado (2008).** Managed cultural and biological resources surveys for a proposed uranium exploration project on public lands administered by BLM west of Naturita, Colorado. Class I file searches were conducted at the BLM Uncompahgre Field Office and San Juan Public Lands Center. Cultural and biological reports were submitted to BLM. Multiple prehistoric and historic resources were recorded during the cultural resources survey. Employer: SWCA. Client: Denison Mines (USA) Corp

**Project Coordinator, Many Canyons Lateral, Rio Arriba County, New Mexico (2008).** Managed preparation of EA, including Biological Assessment (BA), cultural resources survey, and GIS mapping for a proposed pipeline and access road within the Carson National Forest, Jicarilla Ranger District. Multiple prehistoric resources (Pueblo I-II, Dinetah) were recorded during the cultural resources survey. Employer: SWCA. Client: Black Hills Gas Resources.

**Senior Archaeologist, Burlington Resources Turner-Hughes 16N Well Pad Survey, San Juan County, New Mexico (2007):** Conducted Class III cultural resources survey of proposed well pad and access road within portion of

Navajo Nation in Jaquez Canyon. One protohistoric Navajo site was identified; the pad was relocated to avoid the site. Supervisor: Tom Yoder. Employer: SWCA. Client: ConocoPhillips.

**Project Manager, Cane Creek Wells Project, Grand County, Utah (2007-9):** Managed and co-directed Class III cultural resources surveys for 11 proposed oil wells (and associated access roads and pipelines) northwest of Moab (approx. 420 acres total). Worked closely with client and land surveyors to avoid eligible sites. Authored three technical reports and coordinated with U.S. Department of Interior, Bureau of Land Management (BLM), Moab Field Office, SITLA, and Utah Division of State History. Ten prehistoric sites, one multicomponent (prehistoric and historic) site, 29 prehistoric isolates were recorded. All prehistoric resources were aceramic lithic scatters. Employer: SWCA. Client: Fidelity Exploration & Production Company.

**Project Manager, AR-03-02-03-01280 (LA146796) Site Testing, Rio Arriba County, New Mexico (2007-9):** Conducted archaeological test excavation in disturbed area within previously recorded multicomponent (Pueblo I / Dinétah) site in the Carson National Forest (CNF), Jicarilla Ranger District (JRD) where a natural gas well pad had been constructed in the 1970s. Evaluated current site eligibility and prepared a testing report submitted to the CNF-JRD. Employer: SWCA. Client: Black Hills Gas Resources.

**Senior Archaeologist, Carson Pipeline Project, Rio Arriba County, New Mexico (2007):** Conducted archaeological test excavation in previously disturbed areas at two prehistoric sites (one Puebloan artifact scatter, one protohistoric Navajo artifact scatter) in the CNF-JRD for a proposed liquid natural gas (LNG) pipeline. Employer: SWCA. Client: Black Hills Gas Resources.

**Field Director, Barnesville Wildland Urban Interface Hazardous Fuels Reduction Cultural Clearance Survey, La Plata County, Colorado (2007):** Directed Class III cultural resources survey of five parcels (approx. 130 ac.) on the Southern Ute Indian Tribe (SUIT) Reservation proposed for hazardous fuels reduction. Recorded six sites and four isolated finds (Basketmaker II & III, Pueblo I & II, protohistoric [Navajo / Ute]). Employer: SWCA. Client: Michael A. Frost & Associates.

**Senior Archaeologist, Carracas Loop Pipeline Project, Archuleta County, Colorado (2007-8):** Conducted archaeological monitoring of pipeline construction and excavated a Pueblo I/II site in the Carson National Forest. Coordinated with U.S. Department of Agriculture, Forest Service (USFS) archaeologist. Employer: SWCA. Client: Energen Gas Resources.

**Senior Archaeologist, Animas La-Plata Archaeological Project, La Plata County, Colorado (2007-8):** Authored groundstone section for lithic studies volume (Vol. XI), analyzing and presenting data from 74 prehistoric sites (Paleoindian, Archaic, Basketmaker II, & Pueblo I) with a focus on Pueblo I-period sites. Authored site descriptions for Archaic, Basketmaker II, and undated sites excavated by SWCA between 2002 and 2005 for proposed Ridges Basin Reservoir, southwest of Durango. Employer: SWCA. Client: Ute Mountain Ute Tribe.

**Senior Archaeologist, Dungan Pipeline Project, Archuleta County, Colorado (2007):** Conducted intensive pedestrian survey for cultural resources of proposed LNG pipeline alignment. Recorded two extensive Pueblo I-period habitation sites and several isolated resources near the Piedra River, north of Arboles, Colorado. Employer: SWCA. Client: Energen Gas Resources.

**Project Manager, Sunrise Powerlink Transmission Project Environmental Impact Report / Environmental Impact Statement; San Diego and Imperial Counties, California (2006-7):** Managed cultural and paleontological resources research and review of previous research for large, controversial transmission line stretching from southwestern Imperial County to northwestern San Diego County. Directed Class III field surveys in San Diego and Imperial County, resulting in recording of multiple prehistoric and historic sites. Managed viewshed analysis and historic architectural assessment of NRHP-listed and eligible resources within view of proposed towers. The proposed project is owned by San Diego Gas & Electric. The lead state agency is the California Public Utilities Commission

(CPUC) and the lead Federal agency is the BLM. SWCA conducted a Class II survey to compile cultural resources inventory data for a 30% sample of each of 20+ alternatives, incorporating information from recently completed previous surveys as well as new Class III surveys. Employer: SWCA. Client: Aspen Environmental Group.

**Field Director, Evacuation Creek Pipeline, Uintah County, Utah, and Rio Blanco County, Colorado (2006):** Directed Class III cultural resources survey for a 17-mile long LNG pipeline in northeastern Utah and northwestern Colorado. Recorded multiple prehistoric (aceramic) and historic archaeological sites and built environment features. Employer: SWCA. Client: Pioneer Resources, Inc.

**Field Director, Hidden Canyon Destination Resort; Crook and Deschutes Counties, Oregon (2006):** Directed Class III cultural resources survey of approximately 5,500 acres of private and public lands administered by the BLM (Prineville District) for a proposed destination resort northeast of Bend, including access route and water supply line. Led one crew and supervised two others in the survey and recording of 58 archaeological sites and 66 isolated resources (both prehistoric and historic). Employer: SWCA. Client: Pahlisch Homes/RMG, Inc.

**Project Manager, Historic Documentation for Quarters A and Associated Site, Fleet Industrial Supply Center, Naval Base Point Loma; San Diego County, California (2006):** Managed Historic American Building Survey/Historic American Engineering Record (HABS/HAER)-alternative documentation of NRHP-eligible building constructed in 1908, under Memorandum of Agreement (MOA) between the Navy and California State Historic Preservation Officer (SHPO). Employer: SWCA. Client: U.S. Department of the Navy, Southwest Division, Naval Facilities Engineering Command (NAVFACENGCOM).

**Project Manager, Historical Resource Survey and Evaluation, Port Hueneme, Naval Base Ventura County; Ventura County, California (2006):** Managed documentation and Section 106 NRHP evaluation of multiple historic architectural resources, including nine Cold War-era buildings. Employer: SWCA. Client: U.S. Department of the Navy, Southwest Division, NAVFACENGCOM.

**Project Manager, Survey and Evaluation of Buildings 805, 1264, and 1179, Port Hueneme, Naval Base Ventura County, California (2006):** Managed documentation and Section 106 NRHP evaluation of Cold War-era historic architectural resources. Employer: SWCA. Client: U.S. Department of the Navy, Southwest Division, NAVFACENGCOM.

**Project Manager, Cultural Resource Inventory and Evaluation of the ABE, ABEF, ABEH, and ABEH Laterals; Montrose County, Colorado (2006):** Managed Class I and Class III inventories of historic irrigation network in the Uncompahgre Valley proposed for relocation in underground pipes, including documentation of several archaeological sites. Employer: SWCA. Client: U.S. Department of Interior, Bureau of Reclamation.

**Archaeologist, Williams Overland Pass NGL Cultural Services; Carbon and Sweetwater Counties, Wyoming (2006):** Conducted records searches of the Wyoming Cultural Records Office (WYCRO) database and prepared Class I report for the Southern Window Alternative Alignment. Participated in Class III survey, including recording of precontact and historic archaeological resources, as well as reporting. Employer: SWCA. Client: Natural Resource Group.

**Archaeologist, Entrega Pipeline Cultural Resources Program and Data Recovery; Albany, Carbon, Laramie, and Sweetwater Counties, Wyoming (2006):** Prepared tables of sites along pipeline survey corridor with mitigation measures for each and edited construction alignment sheets for accuracy. Participated in data recovery fieldwork at two precontact sites. Employer: SWCA. Client: Natural Resource Group.

**Assistant Project Manager, Newmont-Sundance Class I Core Drilling Project; Crook County, Wyoming (2006):** Authored a Class I report for this proposed project to drill for minerals exploration in the Bear Lodge Mountains, Black Hills National Forest. Employer: SWCA. Client: JEI.

**Project Manager, Renaissance Terrace Paleontological Monitoring; San Diego County, Oceanside, California (2006):** Managed paleontological monitoring of ground disturbing construction activity for a residential development on the coastal bluff. Employer: SWCA. Client: Continental Residential Inc. / D.R. Horton.

**Project Manager, Archaeological Evaluation and National Register Eligibility Investigation of Site CA-SDI-14,663, Marine Corps Base Camp Pendleton; San Diego County, California (2006):** Managed Section 110 NRHP evaluation of a prehistoric archaeological site at MCB Camp Pendleton. Conducted site visit and co-authored work plan. Employer: SWCA. Client: U.S. Department of the Navy, Southwest Division, NAVFACENGCOM.

**Assistant Project Manager, Cultural Resources Services for Qwest Communications California Fiber Optic Network Construction Project; Sacramento County, California (2006):** Managed preparation of final comprehensive statewide cultural resources technical report covering over 1,400 miles of fiber throughout California. Employer: SWCA. Client: Qwest Communications, Inc.

**Assistant Project Manager/Instructor, Cahuilla Native American Monitor Training Program; Riverside County, California (2006):** Developed, managed, and instructed a course to train Native American monitors to represent the Cahuilla Band of Mission Indians on construction and archaeological projects. Employer: SWCA. Client: Cahuilla Band of Mission Indians.

**Project Manager, El Cajon Animal Shelter Expansion; El Cajon, California (2006):** Managed cultural resources study of a small parcel proposed for development, involving records search, Native American consultation, Class III intensive pedestrian survey, documentation of prehistoric archaeological resources, preparation of research design, test excavation, artifact analysis, eligibility evaluation, and reporting. Employer: SWCA. Client: City of El Cajon.

**Project Manager, Taylor Residence Biological Survey; Lemon Grove, California (2006):** Managed the biological survey of a residential property located adjacent to sensitive canyon habitat, which is proposed for redevelopment. Employer: SWCA. Client: Rotsart & Rotsart.

**Cultural Resources Specialist, Sierra Star Master Plan Cultural Resources Services; Mono County, California (2006):** Managed cultural resources study for a proposed mixed-use development project, involving review and synthesis of previous work, Native American consultation, GIS mapping, and reporting. Employer: SWCA. Client: Christopher A. Joseph & Associates.

**Project Manager, Khazian Residence Biological Resources Survey; La Jolla, San Diego County, California (2006):** Managed biological survey of a residential property located adjacent to sensitive canyon habitat in the La Jolla area of San Diego, which is proposed for redevelopment. Employer: SWCA. Client: CDGI, Inc.

**Project Manager, 222 Laurel Project Cultural and Paleontological Resources Services; San Diego County, California (2006):** Managed cultural and paleontological resources studies of a small urban parcel proposed for condominium development, involving records searches, Native American consultation, Class III intensive pedestrian survey, documentation of historic archaeological resources, and reporting. Employer: SWCA. Client: D.R. Horton, Inc.

**Assistant Program Manager, NAVFACENGCOM Indefinite Delivery Indefinite Quantity (IDIQ) Service Contract for Cultural Resource Related Services; Various Locations in Arizona, California, Nevada, New Mexico, Oregon, and Washington (2004-2006):** Managed on-call contract to provide cultural resources services at U.S. Navy and U.S. Marine Corps facilities throughout the western U.S., including the coordination and management of subcontractors. Client: U.S. Department of the Navy, Southwest Division, NAVFACENGCOM.

**Project Manager, Western Wireless Coaldale Junction Transmission Facility Archaeological Survey; Esmeralda County, Nevada (2006):** Managed cultural resources records search and Class III intensive pedestrian survey of

proposed cell tower site in west-central Nevada on public land administered by the BLM, Tonopah Field Office. Employer: SWCA. Client: RESCOM Environmental Corporation.

**Assistant Project Manager, Market Street Development; San Diego County, California (2006):** Supported Project Manager with regard to logistics and QA/QC for multi-use development in downtown San Diego. Numerous historic archaeological resources were documented during construction monitoring. Employer: SWCA. Client: EV Construction.

**Project Manager, Lumina Project; San Diego County, California (2006):** Managed cultural and paleontological resources studies of a parcel proposed for condominium development, involving records searches, Native American consultation, Class III intensive pedestrian survey, documentation of historic architectural resources, and reporting. Employer: SWCA. Client: D.R. Horton, Inc.

**Project Manager, Evaluation and National Register Eligibility Investigation of Site CA-SLO-77, Piedras Blancas Light Station; San Luis Obispo County, California (2006):** Managed Class III inventory of approximately 20 acres, archaeological testing, laboratory analyses, report preparation, and NRHP eligibility evaluation of CA-SLO-77, a multicomponent prehistoric/historic site at the Piedras Blancas Light Station in San Luis Obispo County. Co-authored research design and technical report. Project conducted under Section 110 of the NHPA for the Bureau of Land Management (BLM) Bakersfield Field Office. Employer: SWCA. Client: U.S. Bureau of Land Management.

**Project Manager, Mojave River Pipeline, Reaches 4A and 4B; San Bernardino County, California (2006):** Managed archival research, intensive pedestrian survey, resource evaluations (archaeological and historic architectural), and construction monitoring for two segments of water pipeline and a groundwater recharge basin. Prepared technical reports in compliance with CEQA, NEPA and Section 106 (NHPA). Employer: SWCA. Client: Mojave Water Agency.

**Cultural Resources Specialist, Bether Bonsall Development Project; San Diego County, California (2006):** Co-managed cultural and paleontological resources studies of a 26-acre parcel proposed for residential development, involving records searches, Native American consultation, Class III intensive pedestrian survey, documentation of prehistoric archaeological resources, preparation of research design, test excavation, eligibility evaluation, and reporting. Employer: SWCA. Client: D.R. Horton, Inc.

**Assistant Project Manager, Ramona Expressway Gap Closure; Riverside County, California (2006):** Co-managed cultural resources work for two road widening projects (approximately 2 miles total length), involving records search, Class III intensive pedestrian survey, and reporting. Employer: SWCA. Client: David Evans & Associates, Inc.

**Archaeologist, Cielo Meritage Cultural Resources Evaluation; Pinal County, Arizona (2005):** Class III intensive pedestrian survey and documentation of prehistoric and historic archaeological resources for proposed development project north of Tucson. Employer: SWCA. Client: Meritage Homes of Arizona.

**Archaeologist, Diamond Heritage Environmental Services; Quincy County, California (2005):** Conducted Class III intensive pedestrian survey of mountainous environment and documentation of prehistoric (lithic scatters and quarries) and historic (arboglyphs and shepherd camps) resources. Employer: SWCA. Client: Holmes-TerraMar, LLC.

**Project Manager, Tijuana River Valley Regional Park Trails and Habitat Restoration Program Environmental Impact Report/Environmental Assessment; Tijuana River Valley, San Diego County, California (2005):** Managed cultural and paleontological resources study in support of a combined design/Environmental Impact Report (EIR) project. The approximately 1,800-acre park, managed by the County of San Diego Department of Parks and Recreation, is located in southwestern San Diego County adjacent to the International Border. The study included archaeological, historic architectural, and paleontological surveys of selected portions of the park (approximately 300 acres). Prehistoric archaeological, historic built environment, and paleontological resources were recorded in the field, and

one historic bridge was formally evaluated for NRHP/CRHR eligibility. Technical reports submitted to County of San Diego, U.S. Army Corps of Engineers (USACE), and the California State Historic Preservation Officer (SHPO). Employer: SWCA. Client: County of San Diego.

**Cultural Resources Task Manager, Pearl Creek Development Project Section 404; Henderson, Clark County, Nevada (2005):** Managed cultural resources work for an approximately 70-acre residential development project, involving records search, Class III intensive pedestrian survey, resource recording and evaluation, and reporting. Employer: SWCA. Client: Astoria Homes.

**Project Manager, City of San Jacinto Fire Station; Riverside County, California (2005):** Co-managed cultural resources work for a proposed Fire Station facility, involving records search, Class III intensive pedestrian survey, and reporting. Employer: SWCA. Client: David Evans & Associates, Inc.

**Project Manager, Esmeralda Archaeological Survey; Esmeralda County, Nevada (2005):** Managed cultural resources records search and Class III intensive pedestrian survey of proposed cell tower site. Employer: SWCA. Client: RESCOM Environmental Corporation.

**Project Manager, Ramona Expressway Widening; Riverside County, California (2005):** Co-managed cultural resources work for two road widening projects (approximately 6.5 miles total length), involving records search, Class III intensive pedestrian survey, and reporting. Employer: SWCA. Client: David Evans & Associates, Inc.

**Project Manager, Carrizo History Survey; San Luis Obispo and Kern Counties, California (2005):** Managed a cultural resources study including intensive survey of approximately 4,000 acres with a focus on recording historical resources. Prior to survey managed the creation of GIS with all recorded cultural resources within the monument and developed a Class II sample strategy establishing both randomly selected survey areas and judgmental unit areas containing known but previously unrecorded resources. Management duties included frequent consultation with BLM archaeologist, fieldwork logistics, and field supervision. More than 60 prehistoric archaeological, historic built environment, and paleontological resources were recorded in the field. A technical report was submitted to the BLM, as were updated GIS shapefiles for all newly recorded and updated resources. Employer: SWCA. Client: U.S. Bureau of Land Management.

**Assistant Project Manager, Upper Santa Clara River Watershed Arundo and Tamarisk Removal Program Long-Term Implementation Plan; Los Angeles County, California (2005):** Managed and coauthored technical report and cultural resources section of programmatic-level EIR/EA. Cultural resources study included archival research, Native American consultation, and mitigation recommendations for this non-native plant eradication project. Employer: SWCA. Client: AMEC Earth & Environmental Division.

**Project Manager, Clotfelter Rowhouse Historical Treatment Analysis; Rancho Santa Fe, San Diego County, California (2005):** Managed historic architectural analysis of an historic rowhouse in Rancho Santa Fe proposed for rehabilitation, and provided QA/QC for technical report submitted to the County of San Diego. Employer: SWCA. Client: Brittany Clotfelter.

**Project Manager, Camp Pendleton Archaeological Evaluation and National Register Eligibility Investigation of Site CA-SDI-13,665; Camp Pendleton, San Diego County, California (2005):** Managed Section 110 NRHP evaluation of a prehistoric quarry site near the Orange County line. Prepared extensive work plan (2004); fieldwork, lab analysis, special studies, and report preparation to be conducted in early 2005. Employer: SWCA. Client: U.S. Department of the Navy, Southwest Division, NAVFACENGCOM.

**Assistant Project Manager, Cultural Resources Survey for Transition Zone Monitor Well Installation; Helendale, San Bernardino County, California (2004):** Conducted an intensive pedestrian cultural resources survey of two

proposed groundwater monitoring well sites. The project included recordation of historic built environment resources. Co-authored a technical report. Employer: SWCA. Client: Mojave Water Agency.

**Project Manager, Biological, Cultural, and Paleontological Services for the CM Ranch Specific Plan Environmental Impact Report; Calexico, Imperial County, California (2004):** Managed cultural resources survey of an approximately 700-acre parcel on the International Border, including recordation of historic archaeological and built environment resources. An historic ranch complex was formally evaluated for NRHP/CRHR eligibility. Technical reports submitted to City of Calexico, California. Employer: SWCA. Client: Albert A. Webb Associates.

**Project Manager, Cultural Resources Survey of a 23-acre Parcel for Ramona Due Diligence Assessment; Ramona, San Diego County, California (2004):** Conducted an intensive pedestrian survey for cultural resources of a 23-acre parcel for a proposed land purchase. A historic barn and house were formally recorded and evaluated for NRHP/CRHR eligibility. Managed the project and authored a technical report submitted to the County of San Diego. Employer: SWCA. Client: Greystone Environmental Consultants, Inc.

**Project Manager, Section 106 Evaluation of Two Houses at 714 Emerson Avenue; Calexico, Imperial County, California (2004):** Managed historic architectural inventory and CRHR/NRHP evaluation of two historic buildings in Calexico proposed for rehabilitation, and provided QA/QC for technical report submitted to the County of San Diego. Employer: SWCA. Client: Valley Independent Bank.

**Project Manager, Gilveli Archaeological Survey; San Diego, San Diego County, California (2004):** Conducted an intensive pedestrian survey for cultural resources and prepared a technical report submitted to the City of San Diego. Employer: SWCA. Client: John Gilveli.

**Project Manager, RESCOM Cell Towers - Lea Wilkins; Riverside County, California (2004):** Managed cultural resources survey, Native American consultation, and co-authored technical report. Employer: SWCA. Client: RESCOM Environmental Corporation.

**Project Manager, Cultural Resources Survey for the Lost Valley Land Exchange; Warner Springs, San Diego County, California (2004):** Conducted an intensive pedestrian survey for cultural resources of three parcels totaling approximately 100 acres for a land exchange between the Boy Scouts of America (BSA) and the U.S. Department of Agriculture, Forest Service (USFS). Recorded prehistoric archaeological sites and advised client and USFS on avoidance measures. Employer: SWCA. Client: Orange County Council.

**Project Manager, Crest Absolute Construction Biological and Cultural Resources Investigation; San Diego County, California (2004):** Conducted an intensive pedestrian survey for cultural resources of 20-acre parcel burned in the Cedar fire and proposed for residential development. Recorded historic and precontact archaeological sites. Employer: SWCA. Client: Absolute Construction, Inc.

**Assistant Project Manager, Cultural Resources Services for the Gregory Canyon Landfill; San Diego County, California (2004):** Served as primary point of contact for client and assisted the project manager by providing QA/QC and technical editing services. Employer: SWCA. Client: Gregory Canyon Ltd.

**Project Manager, Numerous Cellular Communications Site Projects; California (2004–2006):** Managed, authored, and coauthored reports of cultural resources field surveys with limited presence/absence subsurface testing for cellular communications sites in San Diego, Riverside, San Bernardino, Los Angeles, Ventura, Santa Barbara, San Luis Obispo, Sutter, El Dorado, Alameda, Marin, Merced, Calaveras, Kern, Tulare, Sacramento, and Mariposa counties. Employer: SWCA. Client: RESCOM Environmental Corp.

**Archaeologist, Fairbanks Ranch Country Club Expansion; San Diego (2003):** Approved by City of San Diego as Supervisor. Monitoring of ground disturbing construction associated with golf course construction in vicinity of

known prehistoric sites. Documentation and testing of newly exposed archaeological deposits in the San Dieguito River valley. *Employer: URS Corporation. Client: Fairbanks Ranch Country Club.*

**Archaeologist, Cultural Resources Surveys of Verizon Wireless Transmission Facility Sites (60+) in San Diego, Orange, Riverside, Fresno, San Bernardino, Ventura, and Los Angeles Counties, California (2002–2003):** Cultural resources surveys, CHRIS records searches, and NAHC Sacred Lands File searches. Preparation of summary reports for NEPA Due Diligence documents, and Section 106 letters to SHPO. *Employer: URS Corporation. Client: Verizon Wireless.*

**Archaeologist, Palmdale Airport Master Plan EIR/EIS; Palmdale, Los Angeles County, California (2003):** Assisted with preparation of technical report and cultural resources section of EIR/EIS for Los Angeles World Airports (LAWA). Background research including CHRIS and NAHC records searches. *Employer: URS Corporation. Client: LAWA.*

**Cultural Resources Task Manager, Haven Avenue Grade Separation; Rancho Cucamonga, San Bernardino County, California (2003):** Conducted prehistoric, ethnographic and historic context research, including CHRIS and NAHC records searches. Intensive pedestrian survey and recordation of archaeological resources. Cultural Resources Technical Report submitted to the City of Rancho Cucamonga, and reviewed by CPUC. Managed historic architectural inventory and evaluation. *Employer: URS Corporation. Client: City of Rancho Cucamonga.*

**Cultural Resources Task Manager, San Jacinto and Upper Santa Margarita Watershed Special Area Management Plan Programmatic EIS/EIR; Western Riverside County, California (2003):** Preparation of technical report and cultural resources section of EIS/EIR for USACE (Los Angeles District). Background research, including CHRIS and NAHC records searches. *Employer: URS Corporation. Client: USACE.*

**Technical Reviewer, Los Angeles International Airport (LAX) Master Plan Supplemental Draft EIS/EIR; Los Angeles County, California (2003):** Technical review of Historic/ Architectural and Archaeological/ Cultural Resources and Paleontological Resources sections, as well as Supplemental Section 106 Report, for Los Angeles World Airports (City of Los Angeles). Documents submitted to Federal Aviation Administration (FAA) and FHWA. *Employer: URS Corporation. Client: LAWA.*

**Archaeologist, San Francisco – Oakland Bay Bridge (I-80) East Span Replacement; San Francisco, San Francisco County, California (2003):** Phase III data recovery mitigation for multicomponent archaeological site within Area of Direct Impact (ADI) on Yerba Buena Island, San Francisco County. *Employer: URS Corporation. Client: Parsons Brinckerhoff.*

**Cultural Resources Task Manager, Los Angeles Department of Water and Power (LADWP) Western District Headquarters Improvement Project IS; Los Angeles, Los Angeles County, California (2003):** Preparation of technical report and cultural resources section of IS for LADWP. Background research including CHRIS and NAHC records searches, and intensive pedestrian survey for cultural resources conducted. Management of historic architectural inventory and evaluation work. *Employer: URS Corporation. Client: LADWP.*

**Cultural Resources Task Manager, California State University, Long Beach Northeast Campus Improvements Project EIR; Long Beach, Los Angeles County, California (2003):** Background research, including CHRIS and NAHC records searches. Preparation of technical report and cultural resources section of EIR. *Employer: URS Corporation. Client: California State University, Long Beach.*

**Cultural Resources Task Manager, KABC Mt. Wilson Broadcast Facility Permit Renewal, Angeles National Forest; Los Angeles County, California (2003):** Preparation of technical report and cultural resources section of EA for KABC. Background research including CHRIS and NAHC records searches, and intensive pedestrian survey for cultural resources conducted. Documents reviewed by US Forest Service (USFS). *Employer: URS Corporation. Client: The Walt Disney Company.*

**Cultural Resources Task Manager, Beverly Boulevard Phase III Widening and Bridge Replacement; Montebello, Los Angeles County, California (2003):** Prepared HPSR, including ASR and Historical Resources Evaluation Report (HRER), for Los Angeles County Department of Public Works, reviewed by Caltrans District 7, FHWA, and SHPO. Managed historic architectural inventory and evaluation work. Conducted XPI testing of archaeological resources within the Area of Potential Effect (APE). Employer: URS Corporation. Client: Los Angeles County DPW.

**Cultural Resources Task Manager, Presidio de San Francisco, Golden Gate National Recreation Area; San Francisco, San Francisco County, California (2003):** Preparation of Archaeological Management Assessment/Monitoring Plan for Five-Year Review and Field Investigations at Landfill 8, reviewed by the Presidio Trust, U.S. National Park Service (NPS), and California Environmental Protection Agency, Department of Toxic Substance Control (DTSC). Osteological monitoring of remedial investigations in historic landfill atop historic Marine Hospital Cemetery. Employer: URS Corporation. Client: Presidio Trust.

**Cultural Resources Task Manager, North Spring Street Bridge Retrofit and Widening; Los Angeles, Los Angeles County, California (2001–2003):** Authored HPSR and ASR for City of Los Angeles Department of Public Works (LADPW), reviewed by Caltrans District 7, FHWA, and the California State Historic Preservation Officer (SHPO). Prepared cultural resources section for NEPA/CEQA document including impact assessment and mitigation recommendations. Managed historic architectural inventory and evaluation. Employer: URS Corporation. Client: LADPW.

**Project Manager, Cultural Resources Services for Highway 202 at Tehachapi Creek Bridge Replacement; Tehachapi, Kern County, California (2001–2003):** Managed Extended Phase I (XPI) archaeological investigation for Granite Construction Company and Caltrans District 6, including supplemental survey, resource recordation, subsurface test excavation. Preparation of Supplemental ASR and HPSR submitted to Caltrans District 6 and FHWA. Managed archaeological monitoring of construction and prepared technical report. Employer: URS Corporation. Client: Granite Construction Company.

**Cultural Resources Task Manager, Sunrise II Power Project; Fellows, Kern County, California (2000–2003):** Managed background research, intensive pedestrian field survey, and resource recordation for power plant site, and linear project components (water, natural gas, wastewater pipelines). Developed and implemented innovative avoidance and mitigation strategies. Consultation with U.S. Dept. of Interior, Bureau of Land Management (BLM), and California Energy Commission (CEC), as well as NAHC and Native American contacts. Authored multiple technical reports and Cultural Resources sections for two amendments to Application for Certification (AFC), and EA document. Documents submitted to CEC, BLM, and U.S. Dept. of Energy, Naval Petroleum Reserves in CA (DOE-NPR). Employer: URS Corporation. Client: Sunrise Power Company (ChevronTexaco/Edison-Mission Energy).

**Cultural Resources Task Manager, Federal Emergency Management Agency (FEMA) Public Assistance Projects, Chuuk State, Federated States of Micronesia (2002):** Conducted archaeological surveys of ten existing community facilities destroyed by landslides and proposed reconstruction sites. Recorded World War II-era historic resources and prepared cultural resources technical reports to ensure FEMA compliance with Section 106 of the NHPA. Worked closely with OHP and Chuukese archaeologists. Employer: URS Corporation. Client: FEMA.

**Cultural Resources Task Manager, Canal School Road at Newman Wasteway Bridge Replacement; Newman, Merced County, California (2002):** Prepared ASR and HPSR for County of Merced Department of Public Works, reviewed by Caltrans District 10, FHWA and SHPO. Managed Architectural Historian subconsultant and conducted Native American consultation. Employer: URS Corporation. Client: County of Merced.

**Cultural Resources Task Manager, Arboleda Drive at Duck Slough Bridge Replacement; Merced, Merced County, California (2002):** Prepared ASR and HPSR for County of Merced Department of Public Works, reviewed by Caltrans District 10, FHWA and SHPO. Managed Architectural Historian subconsultant and conducted Native American consultation. Employer: URS Corporation. Client: County of Merced.

**Cultural Resources Task Manager, Southern California Water Company (SCWC) Linda Vista Reservoir; Barstow, San Bernardino County, California (2002):** Managed background research, field survey, and report preparation for reservoir, water pipeline, and access road south of Barstow, San Bernardino County. Employer: URS Corporation. Client: SCWC.

**Archaeologist, West Kern Water District (WKWD) System Improvement Projects 1 & 2; Kern County, California (2002):** Reconnaissance survey and resource recordation in Telephone Hills for two EA documents reviewed by the BLM. Employer: URS Corporation. Client: WKWD.

**Cultural Resources Task Manager, NRG/Dynegy El Segundo Power Redevelopment Project; El Segundo, Los Angeles County, California (2001–2002):** Coordination with client's attorneys, project engineers, and subconsultants. Bibliographic research and management of subcontractors. Consultation with NAHC and Native American contacts. Meetings, site visits with CEC staff; consultation at public hearing, City of El Segundo, CA. Preparation of Cultural Resources Technical Report and Cultural Resources section for AFC. Editing of Paleontological Resources and Historic Built Environment Resources Reports; all documents reviewed by CEC. Employer: URS Corporation. Client: NRG/Dynegy.

**Cultural Resources Task Manager, Base Exchange, Consolidated Base Support Complex, and Ft. MacArthur Restroom Facility Projects, Los Angeles Air Force Base (LAAFB); El Segundo and San Pedro, Los Angeles County, California (2001):** Preparation of NEPA-level Cultural Resources sections for three Environmental Assessment (EA) documents. CHRIS and NAHC records searches. Coordination with client, field surveys. URS Corporation. Client: Air Force Center for Environmental Excellence (AFCEE).

**Cultural Resources Task Manager, Dickinson Ferry at Bear Creek Bridge Replacement; Merced, Merced County, California (2001):** Prepared ASR and HPSR for County of Merced Department of Public Works, reviewed by Caltrans District 10, FHWA and SHPO. Managed Architectural Historian subconsultant and conducted Native American consultation. Employer: URS Corporation. Client: County of Merced.

**Cultural Resources Task Manager, Enron Roseville Energy Facility; Roseville, Placer County, California (2001):** Managed background research, intensive pedestrian field survey of plant site, water supply and natural gas pipeline routes, and resource recordation. Preparation of Cultural Resources Technical Report and Cultural Resources section of Application for Certification (AFC). Both documents submitted to CEC. Employer: URS Corporation. Client: Enron Corporation.

**Archaeologist, La Paloma Generating Project, Kern County, California (2001):** Field survey, coordination of background research. Management of staff archaeologists; coordination with subconsultants and project engineers. Preparation of final Cultural Resources and Paleontological Resources technical reports for Shafter Warehouse and Staging Area, Shafter, CA. Documents submitted to CEC. Employer: URS Corporation. Client: Pacific Gas & Electric Generating (PG&E).

**Cultural Resources Task Manager, Kern Energy Park, Bakersfield, Kern County, California (2001):** Planning, coordination, and management of background research, intensive pedestrian field survey, and resource recordation. Management and supervision of staff archaeologists and coordination with support staff, other consultants, and project engineers. Consultation with the NAHC and Native American contacts. Preparation of Cultural Resources Technical Report and Cultural Resources section for AFC. Both documents to be submitted to CEC. Employer: URS Corporation. Client: North American Power Group.

**Planner, Stanford University Clark Center Project, Palo Alto, Santa Clara County, California (2000):** Preparation of CEQA Initial Study (IS) for County of Santa Clara, Department of Planning and Development. Preparation of project description, most sections, and discussion of impacts and mitigation. Employer: URS Corporation. Client: County of Santa Clara, Department of Planning and Development.

**Archaeologist, U.S. Marine Corps Air Station (MCAS) Miramar Land Transfer; San Diego County, California (2000):** Cultural resources research on behalf of U.S. Navy (Southwest Division) for Environmental Baseline Survey for land transfer to U.S. Fish and Wildlife Service (USFWS). Records searches at South Coastal Information Center (SCIC), San Diego Museum of Man, and NAHC. Employer: URS Corporation. Client: U.S. Navy (Southwest Division).

**Cultural Resources Task Manager, Old Canyon Road Bridge Seismic Retrofit; Fremont, Alameda County, California (2000):** Prepared ASR and HPSR for City of Fremont. Documents reviewed by Caltrans District 4, FHWA, and SHPO. Conducted archaeological field survey, managed Architectural Historian subconsultant, and consulted with NAHC and Native American contacts. Employer: URS Corporation. Client: City of Fremont.

**Assistant Project Manager, Cultural Resources Services for Qwest Communications California Fiber Optic Network; Multiple Counties, California (2000):** Coordinated cultural resource research. Records searches at CHRIS Information Centers. Consulted with NAHC and Native American contacts and monitors. Authored comprehensive statewide document. Computer-aided mapping of project areas and resource locations for over 1,500 miles of fiber. Reviewed by the California Public Utilities Commission (CPUC). Coordinated archaeological monitors in multiple field locations. Employer: URS Corporation. Client: Qwest Communications.

**Archaeologist, California State University; San Jose, Santa Clara County, California (2000):** Preparation of HABS photodocumentation deliverable for historic Wahlquist Library building on the San Jose State University campus. Employer: Archaeological Resource Management. Client: California State University, San Jose.

**Archaeologist, Cultural Resources Services for the Carmel Highlands Fire Department; Carmel Highlands, Monterey County, California (2000):** Test excavation at prehistoric shell midden site (CA-MNT-820) on grounds of existing fire station. Conducted analysis, illustrated artifacts, and authored report. Employer: Archaeological Resource Management. Client: Carmel Highlands Fire Department.

**Archaeologist, Los Coches Creek Channel Restoration; Milpitas, Santa Clara County, California (1999–2000):** Cultural resources monitoring of earthmoving construction for channel restoration, flood control improvements, house pads, and utilities adjacent to historic Alviso Adobe. Documentation and treatment of historic and prehistoric archaeological resources discovered during construction. Employer: Archaeological Resource Management. Client: Piedmont, LLC.

**Archaeologist, Sprint PCS Wireless Communications Tower Facility Sites; Santa Clara County, California (1999):** CHRIS records searches and field surveys for three tower sites in the San Jose metropolitan area. Employer: Archaeological Resource Management. Client: ATC Associates.

**Archaeologist, Gilroy Unified School District Antonio Del Buono School; Gilroy, Santa Clara County, California (1999):** Cultural resources monitoring of earthmoving construction for new school. Employer: Archaeological Resource Management. Client: EMC Planning Group, Inc.

**Archaeologist, Franklin Resources, Inc. Bay Meadows Office Campus; San Mateo, San Mateo County, California (1999):** Cultural resources monitoring of earthmoving construction large office complex adjacent to historic Bay Meadows racetrack. Employer: Archaeological Resource Management. Client: DEVCON Construction, Inc.

**Archaeologist, Comstock Estates Project; Hollister, San Benito County, California (1999):** Cultural resources monitoring of earthmoving construction for residential development. Employer: Archaeological Resource Management. Client: Creekbridge Homes.

**Archaeologist, Gilroy Sports Park II; Gilroy, Santa Clara County, California (1999):** Preparation of cultural resources maps. Employer: Archaeological Resource Management. Client: EMC Planning Group, Inc.

**Archaeologist, Morgan Hill Unified School District Morgan Hill High School; Morgan Hill, Santa Clara County, California (1999):** Preparation of cultural resources maps. Employer: Archaeological Resource Management. Client: EMC Planning Group, Inc.

**Archaeologist, Scotts Valley Recycled Water Distribution System EIR Mitigation Monitoring; Scotts Valley, Santa Cruz County, California (1999):** Cultural resources monitoring of earthmoving construction. Employer: Archaeological Resource Management. Client: EMC Planning Group, Inc.

**Archaeologist, Mirassou Winery; San Jose, Santa Clara County, California (1999):** Cultural resources monitoring of earthmoving construction for new winery facility. Employer: Archaeological Resource Management. Client: Mirassou Winery.

**Archaeologist, Holy Spirit School; San Jose, Santa Clara County, California (1999):** Cultural resources monitoring of earthmoving construction for new school. Employer: Archaeological Resource Management. Client: Diocese of San Jose.

**Archaeologist, Tri Cities Landfill Expansion; Fremont, Alameda County, California (1999):** Cultural resources survey of proposed landfill expansion area. Employer: Archaeological Resource Management. Client: Waste Management.

**Archaeological Technician, Crissy Field Data Recovery Project, Presidio de San Francisco; Golden Gate National Recreation Area, San Francisco, California (1999):** Laboratory processing of historic artifacts, including cataloging, sorting, and curation. Employer: Holman and Associates. Client: The Presidio Trust.

**Archaeological Technician, Cultural Resources Survey for Level (3) Fiber Optic Cable; Sacramento, Yolo, Sutter, Colusa, Tehama Counties, California (1999):** Survey, mapping, recording of precontact and historic resources along a proposed fiber optic cable corridor from Sacramento to Redding, California. Employer: Foster Wheeler Environmental Corporation. Client: Level (3) Communications.

**Archaeological Technician, Rolling Hills Ranch; Chula Vista, San Diego County, California (1999):** Test excavation and data recovery mitigation at both historic and precontact archaeological sites, including an archaic habitation site. Monitoring of earthmoving construction. Employer: Smith & Associates.

**Archaeological Technician, Various Projects; San Diego, California (1999):** Archaeological testing, data recovery excavation, wet-screening, artifact sorting, and monitoring of earthmoving construction for various projects in San Diego County, California. Employer: Smith & Associates.

**Archaeological Technician, U.S. Marine Corps Air Station (MCAS) Camp Pendleton; San Diego, California (1998–1999):** Archaeological testing, data recovery excavation for road widening project. Employer: e2M. Client: U.S. Marine Corps.

**Archaeological Technician, U.S. Marine Corps Base (MCB) Camp Pendleton; San Diego County, California (1998):** Post-burn surveys, mapping, test excavation, recordation of precontact and protohistoric archaeological sites throughout the base. Employer: ASM Affiliates. Client: U.S. Marine Corps.

**Archaeological Technician, Anza Borrego Desert State Park; San Diego County, California (1998):** Intensive pedestrian survey, recordation and mapping of prehistoric cultural resources, including bedrock milling and habitation features. Employer: Archaeological Research Unit (ARU), University of California, Riverside. Client: California Department of Parks and Recreation (DPR).

**Archaeological Technician, Death Valley National Park; Inyo County, California (1998):** Archaeological survey, testing, and recordation of precontact sites in Eureka Valley, adjacent to Eureka Dunes. *Employer: Archaeological Research Unit, University of California. Client: National Park Service.*

**Archaeological Technician, Compact Road Project; Babedaob Island, Republic of Palau, Micronesia (1997):** Burial documentation and excavation, survey, mapping, monitoring, test excavation, sampling, data recovery, photography, artifact illustration, and recording of precontact, protohistoric, and WW II-era historic resources. *Employer: International Archaeological Research Institute, Inc. Client: U.S. Army Corps of Engineers.*

**Archaeological Technician, U.S. Bureau of Reclamation Animas-La Plata Water Project; La Plata County, Colorado (1996):** Survey, mapping, recording of precontact and historic resources at Ridges Basin Reservoir site and mitigation lands. Mitigation lands survey included 6,000 acres with high resource density southeast of Mesa Verde, known as the "Huntington Lands Evaluation", for a proposed ecological and archaeological preserve. Recorded over 50 sites (Archaic, Basketmaker II & III, Pueblo I, II, & III, Protohistoric [Navajo / Ute]). Authored portion of Historic Properties Management Plan. *Employer: SWCA. Client: U.S. Bureau of Reclamation.*

**Archaeological Technician, Cottonwood Pass Survey; Eagle County, Colorado (1995):** Intensive pedestrian survey for cultural resources, recording of precontact and historic resources. *Employer: SWCA. Client: Colorado Department of Transportation.*

**Archaeological Technician, Arboles Point Data Recovery; Navajo Reservoir State Park, Archuleta County, Colorado (1995):** Field assessment of precontact (Pueblo II-period) human remains discovered by hiker exposed below high water mark for Navajo Reservoir. *Employer: SWCA. Client: U.S. Bureau of Reclamation.*

**Archaeological Technician, El Paso Natural Gas Pipeline; Bisti Badlands, San Juan County, New Mexico (1995):** Survey, mapping, stratigraphic excavation of archaic sites along natural gas pipeline alignment through 'checkerboard' area of Navajo Nation and private lands south of Farmington, NM. *Employer: Western Cultural Resource Management. Client: El Paso Natural Gas.*

**Laboratory Osteologist, Mesa Verde National Park, Mesa Verde, Montezuma County, Colorado (1995):** NAGPRA-compliant osteological inventory and analysis of precontact human skeletal remains (including dentition) for entire skeletal collection at Mesa Verde National Park Research Center (primarily Pueblo III-period). Inventory, measurement, and computer coding of osteological data. Preparation of reports, illustration and photography of trauma and markers of occupational stress, analysis of X-rays. *Employer: Martin & Goodman Osteology. Client: National Park Service.*

## **Professional History (Positions Held)**

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**Project Manager / Senior Archaeologist, SWCA Environmental Consultants; Durango, Colorado (2011-present):** Manages and supports various cultural resources and multidisciplinary projects and engages in business development, proposal preparation, and marketing.

**Project Manager / Senior Archaeologist, SWCA Environmental Consultants; Denver, Colorado (2010-11):** Managed and supports various cultural resources and multidisciplinary projects and engaged in business development, proposal preparation, and marketing.

**Cultural Resources Program Lead, SWCA Environmental Consultants; Durango, Colorado (2008–2010):** Managed Durango office's cultural resources program and staff. Managed various NEPA, cultural, paleontological, and biological resources projects, authored technical reports and sections of NEPA documents, and engaged in business development, proposal preparation, marketing, and strategic planning.

**Project Manager / Senior Archaeologist, SWCA Environmental Consultants; Durango, Colorado (2007-2008):** Managed and supported various cultural resources and multidisciplinary projects and engaged in business development, proposal preparation, and marketing.

**Project Manager–Cultural Resources, SWCA Environmental Consultants; Denver, Colorado (2006-2007):** Managed and supported various cultural and paleontological resources projects and engaged in business development, proposal preparation, and marketing.

**Program Director–Cultural Resources, SWCA Environmental Consultants; San Diego, California (2003–2006):** Oversaw establishment, growth and operations of SWCA's San Diego Office and its Cultural Resources Program, including QA/QC, hiring, logistics, capital expenditures, and subcontracting. Managed various cultural, paleontological, and biological resources projects, authored technical reports and sections of CEQA/NEPA documents, and engaged in business development, proposal preparation, marketing, and strategic planning.

**Senior Archaeologist, URS Corporation; Santa Ana, California (2001–2003):** Managed cultural resource projects including archaeology, architectural history, and paleontology. Prepared technical reports and public CEQA, NEPA, and NHPA permitting and compliance documents. Engaged in marketing, proposal preparation, consultation with agencies and Native American interests.

**Archaeologist, URS Corporation; Oakland, California (2000–2001):** Managed cultural resource projects including archaeology, architectural history, and paleontology. Prepared technical reports and public CEQA, NEPA, and NHPA permitting and compliance documents. Prepared technical and cost proposals and consulted with agencies and Native American interests.

**Archaeologist, Archaeological Resource Management; San Jose, California (1999–2000):** Completed survey, testing, and monitoring for various projects in the San Francisco Bay area. Conducted laboratory analysis of prehistoric and historic artifacts, including both quantitative and qualitative analyses. Illustrated artifacts by hand and produced maps using computer-aided mapping software. Prepared technical reports for various archaeological and historic architectural projects.

**Archaeological Technician, Holman and Associates; San Francisco, California (1999):** Laboratory processing of historic artifacts, including cataloging, sorting, and curation.

**Archaeological Technician, Smith & Associates; San Diego, California (1999):** Archaeological testing, data recovery excavation, wet-screening, artifact sorting, and monitoring of earthmoving construction.

**Archaeological Technician, e2M; San Diego, California (1998–1999):** Archaeological testing, and data recovery excavation.

**Archaeological Technician, ASM Affiliates; San Diego, California (1998):** Archaeological survey, testing, site evaluation, data recovery excavation, screening, and artifact sorting.

**Archaeological Technician, Archaeological Research Unit (ARU), University of California; Riverside, California (1998):** Archaeological survey, testing, and site recordation.

**Archaeological Technician, International Archaeological Research Institute, Inc. (IARI); Honolulu, Hawaii (1997):** Burial documentation and excavation, survey, mapping, monitoring, test excavation, sampling, data recovery, recording of precontact, protohistoric, and WW II-era historic resources.

**Archaeological Technician, SWCA Environmental Consultants; Durango, Colorado (1995, 1996):** Survey, recordation, mapping, photography of precontact and historic resources. Relocation and reassessment of precontact sites using GPS, survey, recording of precontact and historic resources.

**Archaeological Technician, Western Cultural Resource Management; Farmington, New Mexico (1995):** Survey, mapping, stratigraphic excavation of Archaic sites along natural gas pipeline impact corridor. Profile illustration and column sampling.

**Laboratory Osteologist, Martin & Goodman Osteology; Amherst, Massachusetts (1995):** NAGPRA-compliant osteological analysis of precontact human skeletal remains, including dentition of entire skeletal collection at Mesa Verde National Park Research Center, Mesa Verde, Colorado. Inventory, measurement, and computer coding of osteological data. Preparation of reports, illustration and photography of trauma and markers of occupational stress, analysis of X-rays.

## **Academic Research and Internships**

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**Intern, Department of Anthropology, National Museum of Natural History, Smithsonian Institution; Washington, District of Columbia (1994):** Inventory, osteological analysis, and catalogue of human skeletal remains. Detailed description of cases of trauma and occupational stress. Excavation of Woodland and historic burials in District of Columbia area. Forensic analysis of human remains. Extensive analysis of Archaic, Woodland, and Protohistoric skeletal remains from Nebraska and South Dakota. Determination of age and sex for over 545 individual skeletons. Observation and analysis of stress fractures in lumbar vertebrae, data entry, statistical analysis, report preparation.

**Teaching Assistant, Physical Anthropology Laboratory, Hampshire College; Amherst, Massachusetts (1994):** Analysis of human skeletal remains from a Bronze-Age ossuary in coastal United Arab Emirates, and from a precontact site in Black Mesa, Arizona. Age and sex determinations, morphological analysis of markers of occupational stress.

**Archaeological Field School, Fort Lewis College; Durango, Colorado (1993):** Excavation, mapping, survey, and site recordation, Pleasant View, Colorado. Laboratory processing and analysis of ceramic and lithic artifacts. Cataloging, sorting, curation, and data entry.

## **Volunteer Experience**

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**Venado Enojado Project, Chaffee County, Colorado (2016):** Test excavation of a large multi-component open camp in the upper Arkansas River Valley, near Buena Vista, with BLM, CDOT, and PCRG personnel, as well as

other volunteers. Testing focused on subsurface anomalies previously detected during ground-penetrating radar studies, which were posited as Late Archaic Basin Houses.

**Baca Project, Saguache County, Colorado (2016).** Class III intensive survey and metal detecting at the multi-component Bunker Site, at the eastern edge of the San Luis Valley, in the foothills of the Sangre de Cristo Mountains, north of Great Sand Dunes National Monument. Utilized a metal detector as this site, which includes an Old Spanish Trail component, to identify shallow subsurface historic metal artifacts, including projectile points and musket balls.

**Snow Mesa Archaeological Project, Mineral County, Colorado (2014).** Test excavation of a large prehistoric camp in the Southern San Juan Mountains at 3,600 m (11,800 ft.) elevation, with staff from the San Luis Valley Public Lands Center (USFS/BLM), PCRG, and other volunteers. The remote location in the Rio Grande National Forest was accessed on foot. Excavation equipment was transported via USFS pack string.

**Upper Crossing Stone Enclosures Excavation, Saguache County, Colorado (2014).** Test excavation of stone architectural features representing a Late Prehistoric residential base camp near Cochetopa Pass, with staff from the San Luis Valley Public Lands Center (USFS/BLM), PCRG, and other volunteers.

**Upper Crossing Culturally Modified Trees Project, Saguache County, Colorado (2011).** Coring of culturally-modified trees in Rabbit Canyon, near Cochetopa Pass, with staff from the San Luis Valley Public Lands Center (USFS/BLM), PaleoCultural Research Group (PCRG), and other volunteers.

## **Selected Professional Reports**

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2011	<i>A Class I and Class III Cultural Resources Inventory of the Arrow Kodiak 12-10-11-9 / 4-10-11-8 Gathering Pipeline, Fort Berthold Indian Reservation, Dunn County, North Dakota.</i> Prepared by SWCA Environmental Consultants for Arrow Pipeline, LLC. May.
	<i>Class III Cultural Resources Inventory of the Niobrara Phase 1B 3-D Geophysical Exploration Project, Weld County, Colorado.</i> Co-authored with Paul Burnett, John Kennedy, John Williams, Thomas Witt, Robin Roberts, Michael Retter, Nicole Hurlburt, Stephanie Lechert, Sean Doyle, Jason Burkard, Weston Bacon-Schulte, Vanesa Zietz, and Karen Reed. Prepared by SWCA Environmental Consultants for Geokinetics USA, Inc. April.
	<i>A Class I and Class III Cultural Resource Inventory of the EOG Riverview #03-3130H Well Pad and Linear Right-of-Way, Fort Berthold Indian Reservation, McKenzie County, North Dakota.</i> Prepared by SWCA Environmental Consultants for EOG Resources, Inc. February.
2010	<i>A Class I and Class III Cultural Resource Inventory of the EOG West Clark 01-2413H Well Pad and Access Road, Fort Berthold Indian Reservation, McKenzie County, North Dakota.</i> Prepared by SWCA Environmental Consultants for EOG Resources, Inc November.
	<i>A Class I and Class III Cultural Resource Inventory of the Arrow XTO Iron Women – Yellow Wolf Gathering Line, Fort Berthold Indian Reservation, Dunn County, North Dakota.</i> Prepared by SWCA Environmental Consultants for Arrow Pipeline, LLC. October.
	<i>Class III Cultural Resources Inventory of the Jim Bridger Power Plant 3-D Seismic and EM Surveys Project, Sweetwater County, Wyoming.</i> Co-authored with Sarah Baer, Jason Burkard, Michelle

Delmas, and Scott Phillips. Prepared by SWCA Environmental Consultants for Geokinetics USA, Inc. September.

2009 *Addendum to a Class III Cultural Resources Inventory for Drill Locations and Access Roads Proposed by Rio Grande Silver, Inc., Rio Grande National Forest, Mineral County, Colorado.* Co-authored with Katie Dumm and Scott Phillips. Prepared by James Enterprises Inc. for Rio Grande Silver, Inc. November.

*A Class III Cultural Resources Inventory of the Proposed Zellitti 34-9 #34-3 Well La Plata County, Colorado.* Co-authored with Nancy Eisenhauer. Prepared by SWCA Environmental Consultants for XTO Energy Inc. September.

*A Class III Cultural Resources Inventory of the Proposed Zellitti 34-9 #34-4 Well La Plata County, Colorado.* Co-authored with Nancy Eisenhauer. Prepared by SWCA Environmental Consultants for XTO Energy Inc. September.

*A Class III Cultural Resource Inventory Of The Pandora 2009 Project Exploration And Vents, USDA Forest Service Jurisdiction, San Juan County, Utah.* Co-authored with Nancy Eisenhauer and Mark Lowe. Prepared by SWCA Environmental Consultants for Denison Mines (USA) Corp. September.

*A Class III Cultural Resource Inventory Of The Pandora 2009 Project Exploration And Vents, Bureau Of Land Management Jurisdiction, San Juan County, Utah.* Co-authored with Nancy Eisenhauer and Mark Lowe. Prepared by SWCA Environmental Consultants for Denison Mines (USA) Corp. July.

*A Class III Cultural Resources Inventory for Drill Locations and Access Roads Proposed by Rio Grande Silver, Inc., Rio Grande National Forest, Mineral County, Colorado.* Co-authored with Katie Dumm and Scott Phillips. Prepared by James Enterprises Inc. for Rio Grande Silver, Inc. February.

2008 *Archaeological Test Excavations at Site AR-03-02-03-01280 (LA146796), Rio Arriba County, New Mexico.* Prepared by SWCA Environmental Consultants for Black Hills Gas Resources. December.

*A Class III Cultural Resource Inventory of the Proposed Silver Hills Pipeline La Plata County, Colorado.* Co-authored with Nancy Eisenhauer and Mark Lowe. Prepared by SWCA Environmental Consultants for XTO Energy Inc. March.

*A Class III Cultural Resource Inventory of the Pandora Exploration 2008 Project, San Juan County, Utah.* First author; co-authored with Katie Dumm. Prepared by SWCA Environmental Consultants for Denison Mines (USA) Corp. August.

*A Class III Cultural Resource Inventory of Monogram Mesa Uranium Exploration Project, Montrose County, Colorado.* First author; co-authored with Nancy Eisenhauer and Ed Rezac. Prepared by SWCA Environmental Consultants for Denison Mines (USA) Corp. July.

*Class III Cultural Resource Inventory Of Nine Proposed Cane Creek Unit Well Pads, Access Roads, And Potential Pipelines, Grand County, Utah.* First Author; Co-Authored With Nancy Eisenhauer And Sarah Baer. Prepared By Swca Environmental Consultants For Fidelity Exploration & Production Company. July.

Section D.7.1 'Approach to Data Collection' of *Sunrise Powerlink Transmission Project Environmental Impact Report / Environmental Impact Study*. Prepared By Aspen Environmental Group For The California Public Utilities Commission. January.

2007

*Sunrise Powerlink Transmission Project Work Plan for Cultural and Paleontological Resources Services for Alternatives*. Co-Authored With Kevin Hunt And Susan Goldberg. Prepared By SWCA Environmental Consultants For Aspen Environmental Group. January.

*Class III Cultural Resource Inventory of the Proposed Cane Creek Unit #2-2 Well Pad, Pipeline and Access Road, Grand County, Utah*. First author; co-authored with Nancy Eisenhauer and Sarah Baer. Prepared by SWCA Environmental Consultants for Fidelity Exploration & Production Company. December.

*Class III Cultural Resource Inventory of the Proposed Cane Creek Unit #16-1 Well Pad and Access Road, Grand County, Utah*. First author; co-authored with Sarah Baer. Prepared by SWCA Environmental Consultants for Fidelity Exploration & Production Company. October.

2006

*Archaeological Evaluation and Eligibility Investigation of Site CA-SDI-13665, Marine Corps Base Camp Pendleton, San Diego County, California*. Co-authored with Nancy Sikes and Kevin Hunt, SWCA Environmental Consultants. Prepared for U.S. Navy Southwest Division, Naval Facilities Engineering Command. February.

*Cultural Resource Inventory and Evaluation of the ABE, ABEF, ABEH, and ABEHA Laterals Montrose County, Colorado*. Prepared by SWCA Environmental Consultants for U.S. Department of Interior, Bureau of Reclamation. September.

*Class I Cultural Resources Inventory of the Proposed Southern Window Alternate Alignment of the Proposed Overland Pass Gas Pipeline, Sweetwater County, Wyoming*. First Author; co-authored with Heidi Guy Hays and Scott Slessman. Prepared by SWCA Environmental Consultants for Natural Resource Group, Inc. July.

*Class I Cultural Resources Inventory of the SEI Core Drilling Project, Crook County, Wyoming*. Prepared by James Enterprises Inc. for Sally Edwards Inc. July.

*Cultural Resources Study for the El Cajon Animal Shelter Project, El Cajon, San Diego County, California*. Prepared by SWCA Environmental Consultants for City of El Cajon. June.

*Archaeological Inventory and Assessment of Site CA-SLO-77, Piedras Blancas Light Station, San Luis Obispo County, California*. Co-authored with Jim Clifford and Cindy Arrington, SWCA Environmental Consultants. Prepared for U.S. Department of Interior, Bureau of Land Management, Bakersfield Field Office. March.

*Cultural Resources Study for the Bether Project, Bonsall, San Diego County, California*. Prepared by SWCA Environmental Consultants for Continental Residential, Inc., d/b/a D.R. Horton. March.

2005

*Native American Monitor Training Program Handbook*. Co-authored with Kevin Hunt, SWCA Environmental Consultants. Prepared for Cahuilla Band of Indians. December.

*Class III Cultural Resources Inventory of 3,906 Acres Within Carrizo Plain National Monument, San Luis Obispo County, California*. First Author. Prepared by SWCA Environmental Consultants for U.S. Department of Interior, Bureau of Land Management, Bakersfield Field Office. July.

*Draft Cultural Resources Study for the Upper Santa Clara River Watershed Arundo and Tamarisk Removal Program Long-Term Implementation Plan Program Environmental Impact Report/Environmental Assessment, Los Angeles County, California.* Co-authored with Kevin Hunt and Richard Shultz. SWCA Environmental Consultants. On file at the South Central Coastal Information Center, California State University, Fullerton.

*Draft Cultural Resources Section for the Upper Santa Clara River Watershed Arundo and Tamarisk Removal Program Long-Term Implementation Plan Program Environmental Impact Report/Environmental Assessment, Los Angeles County, California.* Co-authored with Kevin Hunt. SWCA Environmental Consultants.

2004      *Work Plan for Archaeological Evaluation and Eligibility Investigation of Site CA-SDI-13,655, Marine Corps Base Camp Pendleton, San Diego County, California.* Prepared by SWCA Environmental Consultants, San Diego, California, for Naval Facilities Engineering Command (NAVFACENGCOM), California. December. Co-authored with Kevin Hunt.

*Reach 4B Addendum: Mojave River Pipeline Project, San Bernardino County.* Prepared by SWCA Environmental Consultants, San Diego, CA for Mojave Water Agency, Apple Valley, California. November.

*Cultural and Paleontological Resources Study for Tijuana River Valley Regional Park Trails and Habitat Enhancement Project, San Diego County, California.* Prepared by SWCA Environmental Consultants, San Diego, California, for County of San Diego, California. August.

*Cultural Resources Survey for Transition Zone Monitor Well Project Sites TZ-1 and TZ-4, San Bernardino County, California.* Prepared by SWCA Environmental Consultants, San Diego, California, for Mojave Water Agency, Apple Valley, California. August.

*Cultural Resources Technical Report for CM Ranch Specific Plan EIR, Calexico, Imperial County, California.* Prepared by SWCA Environmental Consultants, San Diego, California, for Albert A. Webb Associates, Riverside, California. August.

*Reach 4A Addendum: Mojave River Pipeline Project, Phelan to Minneola, San Bernardino County.* Prepared by SWCA Environmental Consultants, San Diego, CA for Mojave Water Agency, Apple Valley, California. July.

*Cultural Resources Survey for Ramona Due Diligence Assessment, Ramona, San Diego County, California.* Prepared by SWCA Environmental Consultants, San Diego, California, for Greystone Environmental Consultants, Inc., San Diego, California. March.

*Cultural Resources Survey of a 0.25-Acre Parcel, San Diego, California.* Prepared by SWCA Environmental Consultants, San Diego, California, for Mr. John Gilveli, San Diego, California. March.

*Cultural Resources Survey of a 20-Acre Parcel, Crest, San Diego County, California.* Prepared by SWCA Environmental Consultants, San Diego, California, for Absolute Construction, Inc., Santee, California. March.

*Cultural Resources Survey for the Lost Valley Land Exchange, Warner Springs, San Diego County, California.* Prepared by SWCA Environmental Consultants, San Diego, California, for Orange County Council, BSA, Costa Mesa, California. February.

*Cultural Resources Survey of the Proposed Las Lomas Cellular Site, FCC CA-6707-D, Central Avenue, City of Duarte, Los Angeles County, California. Prepared by SWCA Environmental Consultants, San Diego, California, for Rescom Environmental Corp., Traverse City, Michigan. February.*

*Cultural Resources Survey of the Proposed Tesla Cellular Site, FCC CA-8570-A, 4711 East Palm Canyon Drive, City of Palm Springs, Riverside County, California. Prepared by SWCA Environmental Consultants, San Diego, California, for Rescom Environmental Corp., Traverse City, Michigan. February.*

*Cultural Resources Survey of the Proposed Kramer Hill Cellular Site, FCC CA-7178-C, Kramer Junction, San Bernardino County, California. Prepared by SWCA Environmental Consultants, San Diego, California, for Rescom Environmental Corp., Traverse City, Michigan. January.*

*Cultural Resources Survey of the Proposed Lea Wilkins Cellular Site, FCC CA-8550C, 10785 Hole Avenue, City of Riverside, Riverside County, California. Prepared by SWCA Environmental Consultants, San Diego, California, for Rescom Environmental Corp., Traverse City, Michigan. January.*

*Cultural Resources Survey of the Proposed Alta/Foothill Cellular Site, FCC CA-7139-H, 8363 Foothill Blvd, City of Rancho Cucamonga, San Bernardino County, California. Prepared by SWCA Environmental Consultants, San Diego, California, for Rescom Environmental Corp., Traverse City, Michigan. January.*

*Cultural Resources Survey of the Proposed Perry Cellular Site, FCC CA-8551, 3834 Megginson Lane, City of Riverside, Riverside County, California. Prepared by SWCA Environmental Consultants, San Diego, California, for Rescom Environmental Corp., Traverse City, Michigan. January.*

*Cultural Resources Survey of the Proposed Green River Cellular Site, FCC CA-8551, 1800-1850 Lincoln Avenue, City of Corona, Riverside County, California. Prepared by SWCA Environmental Consultants, San Diego, California, for Rescom Environmental Corp., Traverse City, Michigan. January.*

*Cultural Resources Survey of the Proposed Neekie Cellular Site, FCC CA-8531-C, 777 West Valley Boulevard, City of Colton, Riverside County, California. Prepared by SWCA Environmental Consultants, San Diego, California, for Rescom Environmental Corp., Traverse City, Michigan. January. 2003 Reach 4A Addendum: Mojave River Pipeline Project, Phelan to Minneola, San Bernardino County. Prepared by SWCA Environmental Consultants, Mission Viejo, CA for Mojave Water Agency, Apple Valley, California.*

*Historic Properties Survey Report (HPSR): Beverly Boulevard Phase III Widening and Bridge Replacement, Montebello, California. Prepared by URS Corporation, Santa Ana, CA for County of Los Angeles Department of Public Works, Alhambra, California.*

*Archaeological Survey Report (ASR): Beverly Boulevard Phase III Widening and Bridge Replacement, Montebello, California. Prepared by URS Corporation, Santa Ana, CA for County of Los Angeles Department of Public Works, Alhambra, California.*

2003 *Extended Phase I (XPI) Report: Beverly Boulevard Phase III Widening and Bridge Replacement, Montebello, California. Prepared by URS Corporation, Santa Ana, CA for County of Los Angeles Department of Public Works, Alhambra, California.*

*Cultural Resources Technical Report: Haven Avenue Grade Separation, Rancho Cucamonga, California.* Prepared by URS Corporation, Santa Ana, CA for City of Rancho Cucamonga, California.

*Cultural Resources Technical Report: California State University, Long Beach Northeast Campus Improvements Project EIR, Long Beach, California.* Prepared by URS Corporation, Santa Ana, CA for California State University, Long Beach, Long Beach, California.

*Cultural Resources Section, Environmental Impact Report (EIR): California State University, Long Beach Northeast Campus Improvements Project EIR, Long Beach, California.* Prepared by URS Corporation, Santa Ana, CA for California State University, Long Beach, Long Beach, California.

*Cultural Resources Section, Baseline Report: San Jacinto and Upper Santa Margarita Watershed Special Area Management Plan EIS/EIR, Western Riverside County, California.* Prepared by URS Corporation, Santa Ana, CA for U.S. Army Corps of Engineers (USACE), Los Angeles, California.

*Cultural Resources Technical Report: KABC-TV Mt. Wilson Broadcast Facility U.S. Department of Agriculture (USDA) Forest Service Special Use Permit Renewal, Angeles National Forest, California.* Prepared by URS Corporation, Santa Ana, CA for KABC-TV, Los Angeles, California.

*Cultural Resources Technical Report: Los Angeles Department of Water and Power (LADWP) Western District Headquarters Improvement Project Initial Study, Los Angeles, California.* Prepared by URS Corporation, Santa Ana, CA for City of Los Angeles Department of Water and Power, Los Angeles, California.

2002

*Cultural Resources Technical Report: Sakaida and Sons Surface Mining EIR, Pacoima, California.* Prepared by URS Corporation, Santa Ana, CA for Sakaida and Sons Trucking Co.

*Cultural Resources Technical Report: Southern California Water Company (SCWC) Linda Vista Reservoir, Barstow, California.* Prepared by URS Corporation, Santa Ana, CA for Southern California Water Company (SCWC), Barstow, California.

*Cultural Resources Technical Report: Fanapangus Dispensary Site, Federal Emergency Management Agency (FEMA) Public Assistance Projects, Chuuk State, Federated States of Micronesia.* Prepared by URS Corporation, Santa Ana, CA for Federal Emergency Management Agency (FEMA), San Francisco, California.

*Cultural Resources Technical Report: Nine Federal Emergency Management Agency (FEMA) Public Assistance Projects, Chuuk State, Federated States of Micronesia.* Prepared by URS Corporation, Santa Ana, CA for Federal Emergency Management Agency (FEMA), San Francisco, California.

*Cultural Resources Technical Report: Presence/ Absence Testing of Waterline Routes E2, S, and L, Sunrise II Power Project, Fellows, California.* Prepared by URS Corporation, Santa Ana, CA for Sunrise Power Company (joint venture between ChevronTexaco and Edison Mission Energy), Bakersfield, California.

*Cultural Resources Technical Report: G.E. Aircraft Engines Maintenance Facility, Victorville, California.* Prepared by URS Corporation, Santa Ana, CA for the Haskell Company, Fort Lauderdale, FL.

*Archaeological Management Assessment/ Monitoring Plan for Five-Year Review and Field Investigations at Landfill 8, Presidio de San Francisco, Golden Gate National Recreation Area, San Francisco, California. Prepared by URS Corporation, Santa Ana, CA for the Presidio Trust, San Francisco, California.*

*Historic Properties Survey Report (HPSR): Spring Street at Los Angeles River Bridge Retrofit and Widening, Los Angeles, California. Prepared by URS Corporation, Santa Ana, CA for the City of Los Angeles, Department of Public Works.*

*Archaeological Survey Report (ASR): Spring Street at Los Angeles River Bridge Retrofit and Widening, Los Angeles, California. Prepared by URS Corporation, Santa Ana, CA for the City of Los Angeles, Department of Public Works.*

*Supplemental Historic Properties Survey Report (HPSR): Highway 202 at Tehachapi Creek Bridge Replacement, Tehachapi, California. Prepared by URS Corporation, Santa Ana, CA for Granite Construction Company, Bakersfield, California.*

*Extended Phase I (XPI) Report: Highway 202 at Tehachapi Creek Bridge Replacement, Tehachapi, California. Prepared by URS Corporation, Santa Ana, CA for Granite Construction Company, Bakersfield, California.*

*Historic Properties Survey Report (HPSR): Canal School Road at Newman Wasteway Bridge Replacement, Newman, California. Prepared by URS Corporation, Santa Ana, CA for the County of Merced, Department of Public Works.*

*Archaeological Survey Report (ASR): Canal School Road at Newman Wasteway Bridge Replacement, Newman, California. Prepared by URS Corporation, Santa Ana, CA for the County of Merced, Department of Public Works.*

2001–2002      60+ Cultural Resources Technical Reports: Verizon Wireless transmission facility sites in Los Angeles, Orange, Riverside, Fresno, San Bernardino, Ventura and San Diego Counties. Prepared by URS Corporation, Santa Ana, CA for Verizon Wireless.

2001      *Comprehensive Cultural Resources Technical Report: Sunrise II Power Project, Fellows, California.* Prepared by URS Corporation, Santa Ana, CA for Sunrise Power Company (joint venture between ChevronTexaco and Edison Mission Energy), Bakersfield, California.

*Cultural Resources Technical Report: El Segundo Power Redevelopment Project, El Segundo, California.* Prepared by URS Corporation, Oakland, CA for NRG/Dynegy, El Segundo, California.

*Cultural Resources Section, California Energy Commission (CEC) Application for Certification (AFC): El Segundo Power Redevelopment Project, El Segundo, California.* Prepared by URS Corporation, Oakland, CA for NRG/Dynegy, El Segundo, California.

*Cultural Resources Technical Report: Kern Energy Park, Bakersfield, California.* Prepared by URS Corporation, Oakland, CA for North American Power Group, Bakersfield, California.

*Cultural Resources Section, California Energy Commission (CEC) Application for Certification (AFC): Kern Energy Park, Bakersfield, California.* Prepared by URS Corporation, Oakland, CA for North American Power Group, Bakersfield, California.

*Cultural Resources Technical Report: Roseville Energy Facility, Roseville, California.* Prepared by URS Corporation, Oakland, CA for Enron Corporation, San Francisco, California.

*Cultural Resources Section, California Energy Commission (CEC) Application for Certification (AFC): Roseville Energy Facility, Roseville, California.* Prepared by URS Corporation, Oakland, CA for Enron Corporation, San Francisco, California.

*Cultural Resources Section, Environmental Assessment (EA): Los Angeles Air Force Base (LAAFB) Base Exchange Project, El Segundo, California.* Prepared by URS Corporation, Santa Ana, CA for Los Angeles Air Force Base (LAAFB), El Segundo, California.

*Cultural Resources Section, Environmental Assessment (EA): Los Angeles Air Force Base (LAAFB) Consolidated Base Support Complex Project, El Segundo, California.* Prepared by URS Corporation, Santa Ana, CA for Los Angeles Air Force Base (LAAFB), El Segundo, California.

*Cultural Resources Section, Environmental Assessment (EA): Los Angeles Air Force Base (LAAFB) Fort MacArthur Restroom Facility Project, San Pedro, California.* Prepared by URS Corporation, Santa Ana, CA for Los Angeles Air Force Base (LAAFB), El Segundo, California.

*Historic Properties Survey Report (HPSR): Arboleda Drive at Duck Slough Bridge Replacement, Merced, California.* Prepared by URS Corporation, Oakland, CA for the County of Merced, Department of Public Works.

*Archaeological Survey Report (ASR): Arboleda Drive at Duck Slough Bridge Replacement, Merced, California.* Prepared by URS Corporation, Oakland, CA for the County of Merced, Department of Public Works.

*Historic Properties Survey Report (HPSR): Dickinson Ferry at Bear Creek Bridge Replacement, Merced, California.* Prepared by URS Corporation, Oakland, CA for the County of Merced, Department of Public Works.

*Archaeological Survey Report (ASR): Dickinson Ferry at Bear Creek Bridge Replacement, Merced, California.* Prepared by URS Corporation, Oakland, CA for the County of Merced, Department of Public Works.

*Historic Properties Survey Report (HPSR): Old Canyon Road Bridge Seismic Retrofit, Fremont, California.* Prepared by URS Corporation, Oakland, CA for the City of Fremont.

*Archaeological Survey Report (ASR): Old Canyon Road Bridge Seismic Retrofit, Fremont, California.* Prepared by URS Corporation, Oakland, CA for the City of Fremont.

*Cultural Resources Technical Report: Merced County Juvenile Justice Correctional Complex, Merced County, California.* Prepared by URS Corporation, Oakland, CA for the County of Merced Department of Public Works, on behalf of Office of Justice Programs/Corrections Program Office (OJP/CPO) of the U.S. Department of Justice (DOJ).

2000                    *Comprehensive Cultural Resources Technical Report: Qwest Communications California Fiber Optic Backbone.* Prepared by URS Corporation, Oakland, CA for Qwest Communications, Denver, CO.

*Cultural Resources Technical Report: La Paloma Generating Project, Shafter Warehouse and Staging Area, Shafter, California.* Prepared by URS Corporation, Oakland, CA for Pacific Gas & Electric Generating (PG&E).

*Paleontological Resources Technical Report: La Paloma Generating Project, Shafter Warehouse and Staging Area, Shafter, California.* Prepared by URS Corporation, Oakland, CA for Pacific Gas & Electric Generating (PG&E).

*Initial Study: Stanford University Clark Center Project, Palo Alto, California.* Prepared by URS Corporation, Oakland, CA for County of Santa Clara Department of Planning and Development.

## **Selected Publications and Presentations**

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2009 "Chapter 9: Ground Stone" in *Animas-La Plata Project: Lithic Studies*. SWCA Anthropological Research Paper Number 10, Volume XI.

2007 Paper presented at 72<sup>nd</sup> Annual Meeting of the Society for American Archaeology, April 28, Austin, Texas: "Knapping at the Beach: Prehistoric Resources at Quarry Site CA-SLO-77, Point Piedras Blancas, San Luis Obispo County, California".

2007 Abstract published in Abstracts of the 72<sup>nd</sup> Annual Meeting of the Society for American Archaeology: "Knapping at the Beach: Prehistoric Resources at Quarry Site CA-SLO-77, Point Piedras Blancas, San Luis Obispo County, California". Co-authors: Jim Clifford, Cindy Arrington, Kevin Hunt, and Bryon Bass.

2006 Paper published in proceedings of Balances Y Perspectivas 2005 "Frontera Dominica y Franciscana: La Alta y Baja California" Binational Conference, by Instituto Nacional de Antropología e Historia de Baja California (INAH): "The Lost Village of Milejo and Archaeological Research in the Tijuana River Valley Regional Park, San Diego County, California, USA" (with Kevin Hunt).

2005 Paper presentation at Balances Y Perspectivas 2005 "Frontera Dominica y Franciscana: La Alta y Baja California" Binational Conference, Tijuana, Baja California, Mexico: "The Lost Village of Milejo and Archaeological Research in the Tijuana River Valley Regional Park, San Diego County, California, USA" (with Kevin Hunt).

1997 Paper published in *Explorations in Southeast Asian Studies* "Indigenous Cambodian Archaeology: Development, Motivations, and Directions" Volume 2, Number 1: 2-11.

1997 Invited Lecture at The Royal University of Fine Arts, Department of Archaeology, Phnom Penh, Kingdom of Cambodia "CRM in Cambodia: Challenges and Potential Strategies."

1995 Abstract published in *American Journal of Physical Anthropology* Annual Meeting Issue, Supplement 20, 1995. "Women carried heavy loads while men were weaving: precontact sexual division of labor at Black Mesa, Arizona".

1995 Paper Presentation at 65th Annual Meeting of American Association of Physical Anthropologists, Oakland, California "Women carried heavy loads while men were weaving: precontact sexual division of labor at Black Mesa, Arizona".

## **Awards and Honors**

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- Foreign Language Area Studies Fellowship (\$10,000 + tuition waiver) University of Hawaii, Manoa, 1997
- East-West Center Research Grant (\$2,000) for graduate research in Thailand and Cambodia, 1997



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

California State Office  
2800 Cottage Way, Suite W1623  
Sacramento, CA 95825  
[www.blm.gov/california](http://www.blm.gov/california)



In Reply Refer To:  
8151(CA-930) P

AUG 28 2019

Dear Permittee:

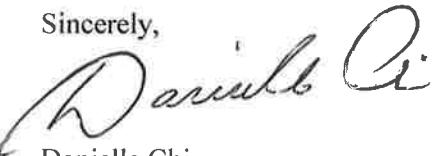
The Bureau of Land Management (BLM) California State Office is issuing a correction to the letter we sent you on June 18, 2019 modifying your BLM-CA cultural resource use permit. The first two sentences of the final paragraph on the first page of the letter is corrected as follows:

The reporting timeframes and other requirements of DOI Standard Conditions **Q**, **R**, and **S** of your permit remain in full effect unless modified by the BLM California State Office. The preliminary report requirement of DOI Standard Condition **Q** may be met through the submission of cultural resource data as requested in BLM IM CA-2019-007.

The bold type indicates the corrected language. The key correction is that the BLM's preliminary report requirement under DOI Standard Condition **Q** remains in full effect. This submission will be handled by either the electric utility's/ROW holder's archaeologists or you (the permittee), and must be submitted directly to the BLM field office archaeologist.

No hard copy of the modifications to your permit will follow. Should you have any questions, please call James Barnes at (916) 978-4676 or via email at [jjbarnes@blm.gov](mailto:jjbarnes@blm.gov).

Sincerely,



Danielle Chi  
Deputy State Director



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
California State Office  
2800 Cottage Way, Suite W1623  
Sacramento, CA 95825  
[www.blm.gov/office/california-state-office](http://www.blm.gov/office/california-state-office)

SEP 24 2019

In Reply Refer To:  
8151(CA-930) P

John Dietler  
SWCA Environmental Consultants  
51 West Dayton  
Pasadena, CA 91105

Dear Mr. Dietler:

Thank you for your correspondence of July 15, 2019 requesting an amendment for your Cultural Resource Use Permit (CA-17-23). BLM professional staff reviewed your permit file and the materials submitted in support of the request for amendment.

Please attach this letter and the revised California Permit Conditions to your permit. Note in particular Section "F" which states that All cultural artifacts and other related materials such as notes, photographs, etc., acquired under the provisions of this permit remain the property of the United States Government and Section "P" which states that the Permittee shall not release any reports, site records, or other documents prepared as a result of the work authorized by this Fieldwork Authorization to the Applicant, any outside individual or entity, government agency, non-governmental organization, or Indian tribe, unless otherwise directed by BLM.

Per your request, BLM has added the follow staff member as Field Director to your permit: Jennifer Durk, Alan Hutchinson, Andy Larsen, Sean McMurry, Kathy Mowrer, Christina Peterson, Sarah Rickett, and Kent Smolik.

No hard copy of your permit will follow. Should you have any questions, please call James Barnes at (916) 978-4676 or via email at [jjbarnes@blm.gov](mailto:jjbarnes@blm.gov).

Sincerely,

Danielle Chi  
Deputy State Director

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

REQUEST FOR MODIFICATION OF  
CULTURAL RESOURCE USE PERMIT

1. CA Cultural Resources Use Permit Number and Date Issued: CA-17-23, Permit Issued 7/27/2017

2. Name and Mailing Address: SWCA Environmental Consultants  
51 West Dayton  
Pasadena, CA. 91105

3. Telephone Number(s) & E-Mail: (626) 240-0587, [jdietler@swca.com](mailto:jdietler@swca.com)

4. Nature of Requested Modification:

a. **Addition of the Following Personnel by Position (Vitae and tables of field experience enclosed):**

Jennifer Durk (Field Director); Alan Hutchinson (Field Director); Andy Larsen (Field Director); Kathy Mowrer (Field Director); Sean McMurry (Field Director); Christina Peterson (Field Director); Sara Rickett (Field Director); Kent Smolik (Field Director)

b. Removal of the Following Personnel:

c. Change of Name or Address of Permittee To:

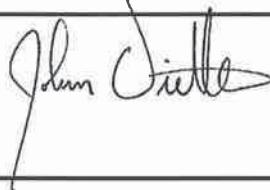
d. Change of Curation Facility To (evidence of agreement enclosed):

e. Extension of Time; New Requested Expiration Date<sup>1</sup>:

f. Change of Location of Work To:

g. Change in Type of Work To:

5. Signature of Permit Administrator:



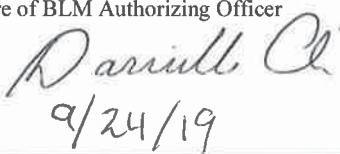
Date: 07/15/2019

6. FOR BLM USE

Record of Decision:

Modification Approved  
 Modification Disapproved  
 Special Stipulations Attached  
 Letter of Explanation Attached

6. Signature of BLM Authorizing Officer

/s/   
Date: 9/24/19

Form 8151

Attach Additional Sheets of Information as Necessary

<sup>1</sup> Permits are issued for a maximum of three years; no permit will be extended beyond that term.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

California State Office  
2800 Cottage Way, Suite W1623  
Sacramento, CA 95825  
[www.blm.gov/california](http://www.blm.gov/california)



MAY 29 2019

In Reply Refer To:  
8151(CA-930) P

John Dietler  
SWCA Environmental Consultants  
51 West Dayton  
Pasadena, CA 91105

Dear Mr. Dietler:

Thank you for your correspondence of March 26, 2019 requesting an amendment for your Cultural Resource Use Permit (CA-17-23). BLM professional staff reviewed your permit file and the materials submitted in support of the request for amendment.

Please attach this letter and the revised California Permit Conditions to your permit. Note in particular Section "F" which states that All cultural artifacts and other related materials such as notes, photographs, etc., acquired under the provisions of this permit remain the property of the United States Government and Section "P" which states that the Permittee shall not release any reports, site records, or other documents prepared as a result of the work authorized by this Fieldwork Authorization to the Applicant, any outside individual or entity, government agency, non-governmental organization, or Indian tribe, unless otherwise directed by BLM.

Per your request, BLM has added Nathan Stevens as PI and Maria Wiseman, Kurt McLean, Mathew Behrend, Amy Jordan, and Ashlee Younie as Field Directors to your permit.

No hard copy of your permit will follow. Should you have any questions, please call James Barnes at (916) 978-4676 or via email at [jjbarnes@blm.gov](mailto:jjbarnes@blm.gov).

Sincerely,

Danielle Chi  
Deputy State Director

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

REQUEST FOR MODIFICATION OF  
CULTURAL RESOURCE USE PERMIT

1. CA Cultural Resources Use Permit Number and Date Issued: CA-17-23, Permit Issued 7/27/2017

2. Name and Mailing Address: SWCA Environmental Consultants

51 West Dayton  
Pasadena, CA. 91105

3. Telephone Number(s) & E-Mail: (626) 240-0587, [jdietler@swca.com](mailto:jdietler@swca.com)

4. Nature of Requested Modification:

a. **Addition of the Following Personnel by Position (Vitae and tables of field experience enclosed):**

Nathan Stevens (Principal Investigator), Maria Wiseman (Field Director), Kurt McLean (Field Director), Matthew Behrend (Field Director), Amy Jordan (Field Director), Ashlee Younie (Field Director)

b. Removal of the Following Personnel:

c. Change of Name or Address of Permittee To:

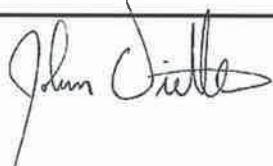
d. Change of Curation Facility To (evidence of agreement enclosed):

e. Extension of Time; New Requested Expiration Date<sup>1</sup>:

f. Change of Location of Work To:

g. Change in Type of Work To:

5. Signature of Permit Administrator:



Date: 03/26/2019

6. FOR BLM USE

Record of Decision:

Modification Approved

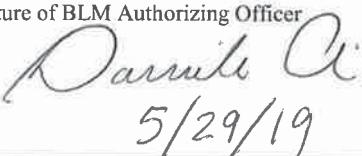
Modification Disapproved

Special Stipulations Attached

Letter of Explanation Attached

6. Signature of BLM Authorizing Officer

/s/



Date:

5/29/19

Form 8151

Attach Additional Sheets of Information as Necessary

<sup>1</sup> Permits are issued for a maximum of three years; no permit will be extended beyond that term.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

California State Office  
2800 Cottage Way, Suite W1623  
Sacramento, CA 95825  
[www.blm.gov/california](http://www.blm.gov/california)



JAN 29 2019

In Reply Refer To:  
8151(CA-930) P

John Dietler  
SWCA Environmental Consultation  
51 West Dayton Street,  
Pasadena, CA 91105

Dear Mr. Dietler:

Thank you for your correspondence of October 9, 2018, requesting an amendment for your Cultural Resource Use Permit (CA-17-23). BLM professional staff reviewed your permit file and the materials submitted in support of the request for amendment.

Please attach this letter and the revised California Permit Conditions to your permit. Note in particular Section "f" which states that All cultural artifacts and other related materials such as notes, photographs, etc., acquired under the provisions of this permit remain the property of the United States Government and Section "P" which states that the Permittee shall not release any reports, site records, or other documents prepared as a result of the work authorized by this Fieldwork Authorization to the Applicant, any outside individual or entity, government agency, non-governmental organization, or Indian tribe, unless otherwise directed by BLM.

Per your request, BLM has added Rebekka Knierim to the permit as Field Director, and has removed Mathew Steinkamp. We have also changed your company's address as requested.

No hard copy of your permit will follow. Should you have any questions, please call James Barnes at (916) 978-4676 or via email at [jjbarnes@blm.gov](mailto:jjbarnes@blm.gov).

Sincerely,

Danielle Chi  
Deputy State Director

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

REQUEST FOR MODIFICATION OF  
CULTURAL RESOURCE USE PERMIT

1. CA Cultural Resources Use Permit Number and Date Issued: CA-17-23, Permit Issued 7/27/2017

2. Name and Mailing Address: SWCA Environmental Consultants

51 West Dayton  
Pasadena, CA. 91105

3. Telephone Number(s) & E-Mail: (626) 240-0587, [jdietler@swca.com](mailto:jdietler@swca.com)

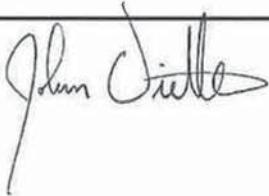
4. Nature of Requested Modification:

- a. Addition of the Following Personnel by Position (*Vitae* and tables of field experience enclosed):  
Rebekka Knierim (Field Director)
- b. Removal of the Following Personnel: Matthew Steinkamp
- c. Change of Name or Address of Permittee To: 51 West Dayton Street, Pasadena, CA 91105
- d. Change of Curation Facility To (evidence of agreement enclosed):
- e. Extension of Time; New Requested Expiration Date<sup>1</sup>:
- f. Change of Location of Work To:
- g. Change in Type of Work To:

5. Signature of Permit Administrator:

/s/

Date: 10/9/2018



6. FOR BLM USE

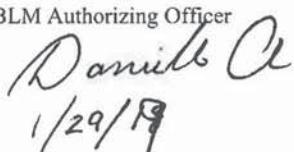
Record of Decision:

- Modification Approved
- Modification Disapproved
- Special Stipulations Attached
- Letter of Explanation Attached

6. Signature of BLM Authorizing Officer

/s/

Date:

  
1/29/19

Form 8151

Attach Additional Sheets of Information as Necessary

<sup>1</sup> Permits are issued for a maximum of three years; no permit will be extended beyond that term.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

California State Office  
2800 Cottage Way, Suite W1623  
Sacramento, CA 95825  
[www.blm.gov/california](http://www.blm.gov/california)



In Reply Refer To:  
8151(CA-930) P

JUN 18 2019

John Dietler  
SWCA Environmental Consultants  
51 West Dayton  
Pasadena, CA 91105

Dear Mr. Dietler:

The Bureau of Land Management (BLM) California State Office is contacting you regarding cultural resource use permit # CA-17-23 issued to SWCA Environmental Consultants. Under BLM policy (Manual 8150), the State Director (or his/her delegate) has authority to modify a cultural resource use permit at any time essential management considerations have changed, including modification of any pertinent State-specific permit condition. On May 20, 2019, the BLM issued Instruction Memorandum (IM) No. CA-2019-007 which establishes policy regarding routine operations and maintenance activities on electric utilities' rights-of-way (ROW) to reduce the risk of wildfire during the 2019 wildfire season. To help implement this IM and to address changes in essential management considerations under the new policy, the BLM has made the following modifications to the conditions of your permit:

1. The BLM adds the following language to California Special Condition P regarding data sharing:  
*The Permittee is allowed to release reports, site records, or other documents and GIS data to the electric utility's/ROW holder's archaeologists, prepared as a result of the work authorized by this Permit and related to wildfire prevention operations and maintenance activities described in BLM IM CA-2019-007*

2. The BLM adds the following language to California Special Permit Conditions D and E regarding reporting standards:

*In lieu of the requirements of this permit Condition, the BLM authorizes the Permittee to use a brief (approximately one-page) memo or letter report to document episodes of fieldwork resulting in negative findings (no cultural resources identified), authorized by this Permit and related to wildfire prevention operations and maintenance activities described in BLM IM CA-2019-007.*

A document containing the suggested content for the brief memo or letter report is enclosed (Enclosure 1). Reporting for surveys with negative results may also be bundled with other fieldwork efforts on BLM-administered lands into a single Cultural Resource Report meeting the requirements of California Special Permit Conditions D and E. Ideally, fieldwork efforts that are geographically connected (i.e., on BLM-administered lands within a single county or river watershed) would be bundled into a single Cultural Resource Report. Please avoid bundling fieldwork efforts involving different BLM field office jurisdictions or fieldwork outside the scope of BLM IM CA-2019-007.

The reporting timeframes and other requirements of DOI Standard Conditions P, Q, and R of your permit remain in full effect unless modified by the BLM California State Office. The preliminary report requirement of DOI Standard Condition P may be met through the submission of cultural resource data as requested in BLM IM CA-2019-007. This submission will be handled by either the electric utility's/ROW holder's archaeologists or you (the permittee), and must be submitted directly to the BLM

field office archaeologist. Decisions to not conduct field survey in particular areas must be clearly documented (including a map and/or GIS data for each area) in this submission.

DOI Standard Condition N and California Condition B require you to obtain fieldwork authorization (FWA) from the pertinent BLM field office(s) prior to starting fieldwork under the permit. These conditions remain in full effect; however the BLM encourages you to request a “blanket” FWA that covers the entire jurisdiction of the field office for any activities described in BLM IM CA-2019-007 (through the IM’s expiration date of December 31, 2019). The FWA request must not exceed the essential conditions of your permit such as the permit’s expiration date, geographic scope, nature of work, and listed Field Directors and Principal Directors, unless approved in advance by the BLM California State Office.

No hard copy of the modifications to your permit will follow. Should you have any questions, please call James Barnes at (916) 978-4676 or via email at [jjbarnes@blm.gov](mailto:jjbarnes@blm.gov).

Sincerely,



Danielle Chi  
Deputy State Director

Enclosures (1):

1- Document containing the suggested content for the brief memo or letter report documenting surveys with negative results

Electronic CC:

Adam Siro, Manager, Archaeology Program, Southern California Edison

## **Enclosure 1 – Suggested Content for Negative Survey Results Report**

**Brief (approximately one-page memo or letter report) covering the following items:**

Project name and other identifiers (i.e., BLM ROW case number)

Project sponsor/company

Report date

Date(s) of survey/fieldwork

BLM fieldwork authorization number

Fieldwork location

County and State

USGS 7.5' quadrangle map(s)

Legal description

Project description

Description of examination procedures/field methods

Number of field staff

BLM inventory type (Class III, etc. per BLM 8110 Manual)

Limitations (vegetation/ground visibility, steep terrain, etc.)

Legally definable acres surveyed – attach map(s) showing area surveyed and also submit GIS data/shapefiles for the survey area with unique designation for each survey area

Literature/records search summary

By whom

Where

Date

Conclusions/recommendations

Field Director/Principal Investigators leading survey

Literature cited



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

California State Office  
2800 Cottage Way, Suite W1623  
Sacramento, CA 95825  
[www.blm.gov/california](http://www.blm.gov/california)



July 27, 2017

In Reply Refer To:  
8151(CA-930) P

John Dietler  
SWCA Environmental Consultants  
150 South Arroyo Parkway, 2<sup>nd</sup> Floor  
Pasadena, CA 91105

Dear Mr. Dietler:

The Bureau of Land Management (BLM) is pleased to issue a Cultural Resource Use Permit (CA-17-23) to SWCA Environmental Consultants for use on Public Lands managed by the California BLM as specified in your permit. This permit is issued under the authority of the Federal Land Policy and Management Act (FLPMA) and the Archaeological Resources Protection Act (ARPA).

Our office is enclosing a map of California BLM Field Offices with phone numbers of cultural heritage staff and a copy of your permit with attached National special permit conditions, California special permit conditions, and GPS and metadata standards. BLM draws your attention to these stipulations and encourages you to read and understand them. Please sign page 7, as indicated, and **return a copy of this signature page to the California BLM State Office within 30 days of your receipt of the permit.**

BLM would like to emphasize a few points. First, this permit assigns to your firm the responsibility to submit reports and other documents in a timely fashion, and such submittal will be a major point of review of your firm's performance under this permit. Second, you are required to contact the appropriate Field Office to obtain a Field Use Authorization before you begin any fieldwork. Please allow the Field Office sufficient lead-time to process your application for a Field Use Authorization. The Field Office may impose additional conditions and stipulations at that time. Third, please be mindful that it is your firm's responsibility to ensure assignment of supervisory field personnel (field directors) who have at least four months' local experience and who otherwise meet the standards of the Bureau.

Should you have any questions, please contact James Barnes at 916-978-4676 or via email at [jjbarnes@blm.gov](mailto:jjbarnes@blm.gov).

Sincerely,

*Danielle Chi*  
Danielle Chi  
Deputy State Director

Enclosures as stated



**United States**  
**Department of the Interior**  
**Bureau of Land Management**

**FIELDWORK AUTHORIZATION REQUEST**

INFORMATION  
 REQUIREMENT  
 APPROVED  
 OMB NO. 1024-0037

**For BLM Use Only**

To Conduct Specific Cultural Resource Work under the Authority of a  
 Cultural Resource Use Permit issued by the Bureau of Land Management  
 Pursuant to Sec. 302 (b) of P. L. 94-579, October 21, 1976, 43 USC 1732  
 Sec. 4 of P. L. 96-95, October 31, 1979, 16 USC, 470cc

**1. Permit Number and Date Issued**

CA-17-23

Issued: July 27, 2017

Expires: July 27, 2020

**3. Mailing Address and Telephone Number**

Address: 51 W Dayton Street  
 Pasadena, CA 91105

Telephone: (626) 240-0587

4.

**Nature of Cultural Resources Work Proposed (If Consultation Work, Identify Client and Project)**  
 Southern California Edison (SCE) proposes to make improvements to the Ivanpah-Control transmission lines in Inyo, Kern, and San Bernardino Counties, California, as part of their Transmission Line Rating Remediation (TLRR) program. The Ivanpah-Control project (IC Project) consists of reconstructing 358 miles of existing 115 kV subtransmission line elements to ensure compliance with CPUC GO 95 by remediating discrepancies identified through SCE's TLRR program. At the request of SCE, SWCA Environmental Consultants (SWCA) will conduct a Class III cultural resources survey of the proposed project's area of potential effect (APE). The proposed project APE for direct effects consists of 75 ft buffer on the transmission line, 50 ft buffer on insular areas (e.g. laydown yards, staging areas), and 25 ft buffer on all access roads. The proposed project APE for indirect effects is a 0.5-mile buffer on the direct APE. SWCA will be supported on this project by the following subcontractors, who will submit their own FWA requests: Urbana Preservation and Planning, LLC and Paleo Solutions, Inc.

**5. Location of Proposed Work (Include Map)**

**a. Description of Public Lands Involved**

The IC Project is located on a combination of federal, state, and private lands in Inyo, Kern, and San Bernardino counties, California. Public lands administered by federal agencies within the project area include lands administered by the Department of Interior (Bureau of Land Management (BLM); Bishop, Ridgecrest, Barstow, and Needles Field Offices, California). A total of 3785.6 acres of BLM land intersects the project APE. Maps and PLSS data of the project APE intersecting public lands administered by the BLM Ridgecrest Field Office are provided in appendices A and B.

**6. Period During Which Work Will Be Conducted**

From [mm/dd/yy]: 06/04/2019

To [mm/dd/yy]: 12/31/2019

**7. Name of Individual(s) Responsible for Planning and Supervising Fieldwork and Approving Report, Evaluations, and Recommendations**

Principal Investigators: John Dietler, PhD, RPA; Heather Gibson, PhD, RPA; Mandi Martinez, M.A., RPA; Chris Millington, M.A., RPA; Nathan Stevens, Ph.D., RPA  
 Project Manager: Alex Wesson, B.A.  
 Field Director(s): Alyssa Newcomb, M.S., RPA; Aaron Elzinga, M.A., RPA; Katie Martin, B.A.; Rebekka Knerim, M.A.; Cherie K. Walth, M.A.; Omar Rice, B.A.; William (Bill) Kendig, B.A.; Leroy Laurie, B.S.; Maria Wiseman, M.A., RPA; Kurt McLean; Matthew Behrend, M.A., RPA; Amy Jordan, Ph.D.; Ashlee Younie, M.A., RPA

**8. Signature**

**10. Approved**

(Authorized Officer)

11. Date [mm/dd/yy]:

6/10/2019

2. Name of Permittee  
 SWCA Environmental Consultants

Submit one copy of each request, by mail, FAX, or in person to the Field Office Manager in the BLM Field Office with administrative jurisdiction over the public lands involved.

United States  
Department of the Interior  
Bureau of Land Management

**FIELDWORK AUTHORIZATION REQUEST**

To Conduct Specific Cultural Resource Work under the Authority of a  
Cultural Resource Use Permit issued by the Bureau of Land Management  
Pursuant to Sec. 302 (b) of P. L. 94-579, October 21, 1976, 43 USC 1732  
Sect. 4 of P. L. 96-95, October 31, 1979, 16 USC, 470cc

INFORMATION  
REQUIREMENT  
APPROVED  
OMB NO. 1024-0037

For BLM Use Only

CA-170-19-68

**1. Permit Number and Date Issued**

CA-17-23

Issued: July 27, 2017

Expires: July 27, 2020

**3. Mailing Address and Telephone Number**

Address: 51 W Dayton Street  
Pasadena, CA 91105

Telephone: (626) 240-0587

**4. Nature of Cultural Resources Work Proposed (if Consultation Work, Identify Client and Project)**

Southern California Edison (SCE) proposes to make improvements to the Ivanpah-Control transmission lines in Inyo, Kern, and San Bernardino Counties, California, as part of their Transmission Line Rating Remediation (TLRR) program. The Ivanpah-Control project (IC Project) consists of reconstructing 358 miles of existing 115 kV subtransmission line elements to ensure compliance with CPUC GO 95 by remediating discrepancies identified through SCE's TLRR program. At the request of SCE, SWCA Environmental Consultants (SWCA) will conduct a Class III cultural resources survey of the proposed project's area of potential effect (APE). The proposed project APE for direct effects consists of 75 ft buffer on the transmission line, 50 ft buffer on insular areas (e.g. laydown yards, staging areas), and 25 ft buffer on all access roads. The proposed project APE for indirect effects is a 0.5-mile buffer on the direct APE. SWCA will be supported on this project by the following subcontractors, who will submit their own FWA requests: Urbana, Material Culture Consulting (MCC), and Paleo Solutions, Inc.

**5. Location of Proposed Work (Include Map)**

**a. Description of Public Lands Involved**

The IC Project is located on a combination of federal, state, and private lands in Inyo, Kern, and San Bernardino counties, California. Public lands administered by federal agencies within the project area include lands administered by the Department of Interior (Bureau of Land Management [BLM]: Bishop, Ridgecrest, Barstow, and Needles Field Offices, California). A total of 3785.63 acres of BLM land intersects the project APE. Maps and PLSS data of the project APE intersecting public land administered by the BLM Bishop Field Office are provided in appendices A and B.

**6. Period During Which Work Will Be Conducted**

From [mm/dd/yy]: 06/04/2019

To [mm/dd/yy]: 12/31/2019

**7. Name of Individual(s) Responsible for Planning and Supervising Fieldwork and Approving Report, Evaluations, and Recommendations**

Principal Investigators: John Dietler, PhD., RPA; Heather Gibson, PhD., RPA; Mandi Martinez, M.A., RPA; Chris Millington, M.A., RPA; Nathan Stevens, Ph.D., RPA  
Project Manager: Alex Wesson, B.A.  
Field Director(s): Alyssa Newcomb, M.S., RPA; Aaron Elzinga, M.A., RPA; Katie Martin, B.A.; Rebekka Kuterim, M.A.; Cherie K. Walth, M.A.; Omar Rice, B.A.; William (Bill) Keadig, B.A.; Leroy Laurie, B.S.; Maria Wiseman, M.A., RPA; Kurt McLean; Matthew Behrend, M.A., RPA; Amy Jordan, Ph.D.; Ashlee Younie, M.A., RPA

**8. Signature**

*Heather M.*

**10. Approved**

*C. 7-23-19*

(Authorized Officer)

9. Date [mm/dd/yy]: 01/15/19

11. Date [mm/dd/yy]:

*6/5/2019*

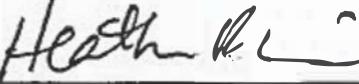
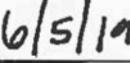
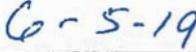
United States  
Department of the Interior  
Bureau of Land Management

**FIELDWORK AUTHORIZATION REQUEST**

To Conduct Specific Cultural Resource Work under the Authority of a  
Cultural Resource Use Permit Issued by the Bureau of Land Management  
Pursuant to Sec. 302 (b) of P. L. 94-579, October 21, 1976, 43 USC 1732  
Sec. 4 of P. L. 96-95, October 31, 1979, 16 USC, 470cc

INFORMATION  
REQUIREMENT  
APPROVED  
OMB NO. 1024-0037

For BLM Use Only  
FA-680-19-15  
Reviewed by  
Jim Shearer

<p><b>1. Permit Number and Date Issued</b>  CA-17-23 Issued: July 27, 2017 Expires: July 27, 2020</p>	<p><b>2. Name of Permittee</b>  SWCA Environmental Consultants</p>
<p><b>3. Mailing Address and Telephone Number</b>  Address: 51 W Dayton Street Pasadena, CA 91105      Telephone: (626) 240-0587</p>	
<p><b>4. Nature of Cultural Resources Work Proposed (If Consultation Work, Identify Client and Project)</b> Southern California Edison (SCE) proposes to make improvements to the Ivanpah-Control transmission lines in Inyo, Kern, and San Bernardino Counties, California, as part of their Transmission Line Rating Remediation (TLRR) program. The Ivanpah-Control project (IC Project) consists of reconstructing 358 miles of existing 115 kV subtransmission line elements to ensure compliance with CPUC GO 95 by remediating discrepancies identified through SCE's TLRR program. At the request of SCE, SWCA Environmental Consultants (SWCA) will conduct a Class III cultural resources survey of the proposed project's area of potential effect (APE). The proposed project APE for direct effects consists of 75 ft buffer on the transmission line, 50 ft buffer on insular areas (e.g. laydown yards, staging areas), and 25 ft buffer on all access roads. The proposed project APE for indirect effects is a 0.5-mile buffer on the direct APE. SWCA will be supported on this project by the following subcontractors, who will submit their own FWA requests: Urbana, Material Culture Consulting (MCC), and Paleo Solutions, Inc.</p>	
<p><b>5. Location of Proposed Work (Include Map)</b> <b>a. Description of Public Lands Involved</b> The IC Project is located on a combination of federal, state, and private lands in Inyo, Kern, and San Bernardino counties, California. Public lands administered by federal agencies within the project area include lands administered by the Department of Interior (Bureau of Land Management [BLM]: Bishop, Ridgecrest, Barstow, and Needles Field Offices, California). A total of 3,785.63 acres of BLM land intersects the project APE. Maps and PLSS data of the project APE intersecting public land administered by the BLM Barstow Field Office are provided in Appendices A and B.</p>	<p><b>b. Identification of Cultural Resource(s) Involved (if applicable)</b> SWCA reviewed the records search results from a 0.5-mile buffer around the project APE. SWCA identified 29 previously recorded resources intersecting the project APE located on public land that is administered by the BLM Barstow Field Office.</p>
<p><b>6. Period During Which Work Will Be Conducted</b>  From [mm/dd/yy]: 06/04/2019</p>	<p>To [mm/dd/yy]: 12/31/2019</p>
<p><b>7. Name of Individual(s) Responsible for Planning and Supervising Fieldwork and Approving Report, Evaluations, and Recommendations</b> Principal Investigators: John Dietler, PhD., RPA; Heather Gibson, PhD., RPA; Mandi Martinez, M.A., RPA; Chris Millington, M.A., RPA; Nathan Stevens, Ph.D., RPA Project Managers: Alex Wesson, B.A. Field Director(s): Alyssa Newcomb, M.S., RPA; Aaron Elzinga, M.A., RPA; Katie Martin, B.A.; Rebekka Knierim, M.A.; Cherie K. Walth, M.A.; Omar Rice, B.A.; William (Bill) Kendig, B.A.; Leroy Laurie, B.S.; Maria Wiseman, M.A., RPA; Kurt McLean; Matthew Behrend, M.A., RPA; Amy Jordan, Ph.D.; Ashlee Younie, M.A., RPA</p>	
<p><b>8. Signature</b>  </p>	<p><b>9. Date [mm/dd/yy]:</b> 12/07/2018  </p>
<p><b>10. Approved</b>   (Authorized Officer)</p>	<p><b>11. Date [mm/dd/yy]:</b>  </p>

Submit one copy of each request, by mail, FAX, or in person to the Field Office Manager in the BLM Field Office with administrative jurisdiction over the public lands involved.