

**Phase I
Cultural Resources
Assessment**

APPENDIX D



September 13, 2018

Las Virgenes Municipal Water District
4232 Las Virgenes Road
Calabasas, CA 91302

Attn: Mr. John Zhao

**Subj: Phase I Cultural Resources Assessment; JPA Solar Generation Project Phase II
(Envicom Project #47-780-101)**

Dear Mr. Zhao:

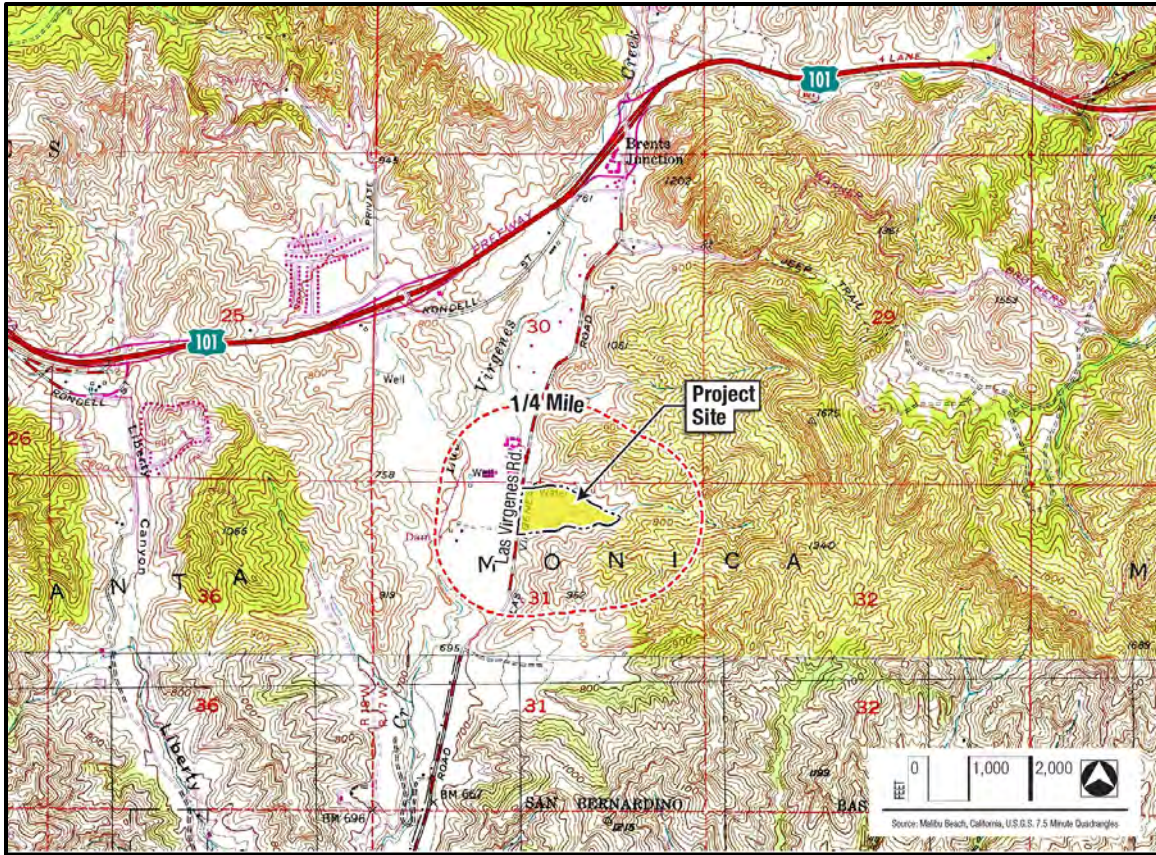
In September of 2018, Envicom Corporation (Envicom) completed a Phase I Cultural Resource and Paleontological Assessment (Phase I Assessment) for the second phase of the proposed Joint Powers Authority (JPA) Solar Generation Project (Project) on an approximately 20-acre Project Site (Project Site) within the larger Rancho Las Virgenes property, an approximately 150-acre property owned by the JPA within the City of Calabasas, Los Angeles County (**Figure 1** and **Figure 2**). The second phase of the JPA Solar Generation Project proposes sun-tracking solar arrays to generate between four and five megawatts of renewable energy to power the JPA's operations through an interconnection agreement with Southern California Edison.

North of the proposed Project Site is an existing one-megawatt solar array facility (**Figure 3**) constructed as the first phase of the JPA solar generation project in 2013. The JPA currently uses the proposed Project Site as a spray field for recycled water, with numerous above-ground irrigation pipes spread over a semi-mowed flat field surrounded by a gravel access road (**Figure 4**). The existing irrigation pipes would be removed and replaced with multiple rows of sun-tracking solar panels. The project is fully contained on the Calabasas United States Geological Survey (USGS) quadrangle map.

The general location is as follows:

USGS Quad: Calabasas, CA
Township: 1N
Range: 17W
Section: 31
Lat: 34° 7'53.603"N
Long: 118° 42'3.285"W





*Figure 1: Project Location in Calabasas, California
(1981 USGS Calabasas Quadrangle Topographic Map).*



Figure 2: Proposed JPA Project Site Location (2018 Google Earth Map).



Figure 3: Existing 1 Megawatt Solar Panels North of the Proposed Project Site.



Figure 4: The Proposed Project Site with Existing Spray Irrigation Pipelines.

This Phase I Cultural Resource Assessment included a cultural resource record search conducted by the South Central Coastal Information Center (SCCIC) and a Native American cultural resource record search conducted by the California Native American Heritage Commission (NAHC). Additional databases examined during the Phase I Assessment included historic regional maps, historic USGS maps, and historic Google Earth images. The purpose of the record searches is to identify any known cultural resources previously recorded within the proposed project area, to provide cultural resource context for the project, and to assess the overall cultural resource sensitivity of the project region. A cultural resource is often defined as any building, structure, object, or archaeological site older than 50-years in age, and can include historic or prehistoric locations of human habitation.

The Phase I Assessment also included a physical survey, or inspection, of the Project Site to determine if previously unrecorded cultural resources could be identified from surface observation. During the pedestrian field survey, any previously identified cultural resources from the SCCIC or other database searches are relocated and assessed as necessary.

If new cultural resources are identified, it becomes the responsibility of the project proponent to authorize a qualified cultural resources expert to complete a State of California Department of Parks and Recreation cultural resource site form that provides enough information on the site to present an adequate understanding of the site conditions, the site boundary, the general time period of the newly identified cultural resource, any visible major site features, and the types of artifacts present.

RECORD SEARCH RESULTS

SCCIC and NAHC Record Searches

On August 23, 2018, Envicom contacted the SCCIC with a request to search their database for cultural resources located within the Project Site, plus a 0.25-mile study area (study area) for regional cultural resource context (see **Figure 1**). The record search included a request for all complete site records for cultural resources within the Project Site, as well as copies of any cultural resource technical reports that intersect with the Project Site location. The NAHC was also contacted on August 23, 2018, with a similar record search request.

Envicom received the cultural resource records search results from the SCCIC on September 4, 2018. The SCCIC record search identified that no previously identified cultural resources were located in the Project Site. However, three (3) prehistoric cultural resources (P-19-001883, P-19-001884, and P-19-001885) are located near the Project Site at higher elevations in the surrounding hills. All three nearby cultural resources are prehistoric lithic (stone tool debris) scatters, with no identifiable features or complexity. None of these resources are close enough to the Project Site to warrant further consideration.

The SCCIC record search also identified one (1) cultural resource report (LA-01483) that examined the Project Site. LAN-01483 was a cultural resource report by Pence Archaeological Consulting submitted by Envicom in 1980, which involved the original Hope Property, of which the current JPA-owned Rancho Las Virgenes property is a smaller parcel. This report did not identify cultural resources within or adjacent to the Project Site. Examination of the report details indicated that no additional assessment tasks related to the report should be considered for the current Project. A list of previously-completed cultural resource reports in the Project Site is provided in **Appendix A**. The findings from the SCCIC as to a cultural resource's physical location and details are considered confidential by state law and are, therefore, not included in this Phase I Assessment.

The SCCIC further identified eight (8) cultural resource reports that involve some part of the surrounding 0.25-mile study area. Review of these reports in the SCCIC database also indicated that no additional assessment tasks should be considered for the current Project. These reports are also provided in **Appendix A**.

The results from the 2018 NAHC record search were received on September 5, 2018, with negative findings. The SCCIC and NAHC results, therefore, determined that no cultural resources were located within the Project Site, but that three previously-identified prehistoric cultural resources were located within the 0.25-mile study area. Since these resources are remote from the Project Site and represent sparse prehistoric sites, no further assessment is required. The SCCIC and NAHC record search results identified *no previously identified prehistoric or older historic cultural resources* were located within or adjacent to the Project Site boundary. Therefore, the Project Site is *not located in an area that potentially contains sensitive older prehistoric or historic cultural resources*.

Copies of the request letter to the SCCIC and to the NAHC are included in **Appendix B** of this report. The response letter from the NAHC is also included in Appendix B. The Author's resume is provided in **Appendix C**. Envicom did not contact Native American groups on the NAHC list, as communications with Tribal Group representatives under Assembly Bill-52 is the responsibility of the Lead/Permitting Agency (in this case, the JPA) if required as part of this project.

Historical Map Database Search

Examination of historic maps that contain the project area included one (1) General Land Office map from 1896 and eighteen (18) historic USGS maps, dating between 1903 and 1979. The General Land Office (GLO) survey map shows the Las Virgenes Road along Las Virgenes Creek in existence by the time of the survey map (**Figure 5**). The Project is located in the northeast (upper-right) corner of Section 31. An unmodified road connects the end of the ravine with Las Virgenes Road to the west, but no structures or other historic features are shown. Though no buildings are shown, the Project Site was at least connected to the larger regional road network by the 20th Century.



Figure 5: The 1896 General Land Office Survey Map.

The 1903 Camulos USGS map shows limited local development, with a number of residences located off of Las Virgenes Road, however, the Project Site has no similar development (**Figure 6**). The red cross used for locational purposes in Figure 6 is part of the USGS database search engine, and cannot be modified to be more visible. The 1903 Calabasas USGS Map showed the same regional development and lack of any structures on the Project Site. The 1929 Vejer USGS map, the 1932 Seminole map, and the 1925, 1928, 1929, and 1932 Dry Canyon maps all showed similar local development, with no development on the Project Site. The 1944 Calabasas USGS map showed almost the same low level of residential development as the previous maps, with again no development taking place on the Project Site (**Figure 7**).

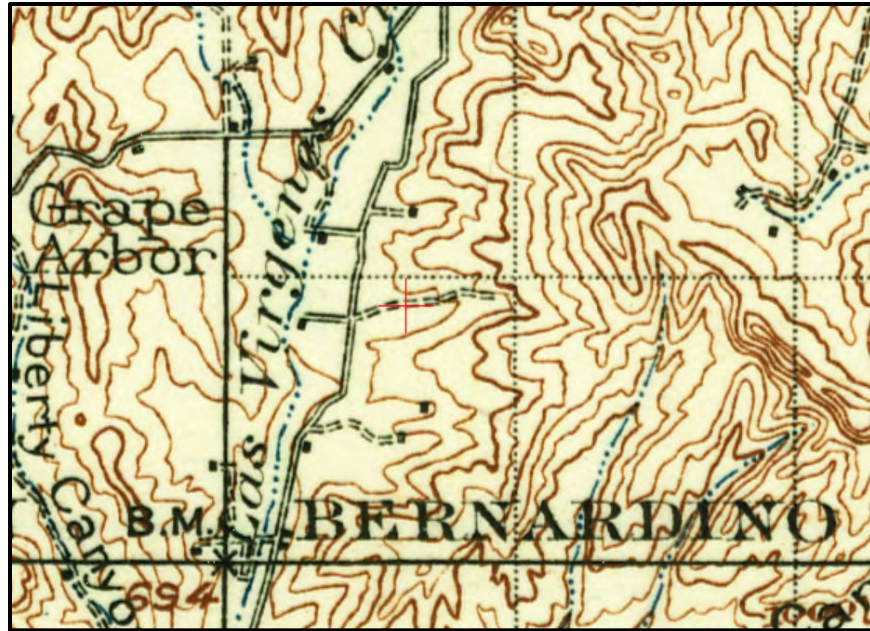


Figure 6: The 1903 Camulos USGS Map.

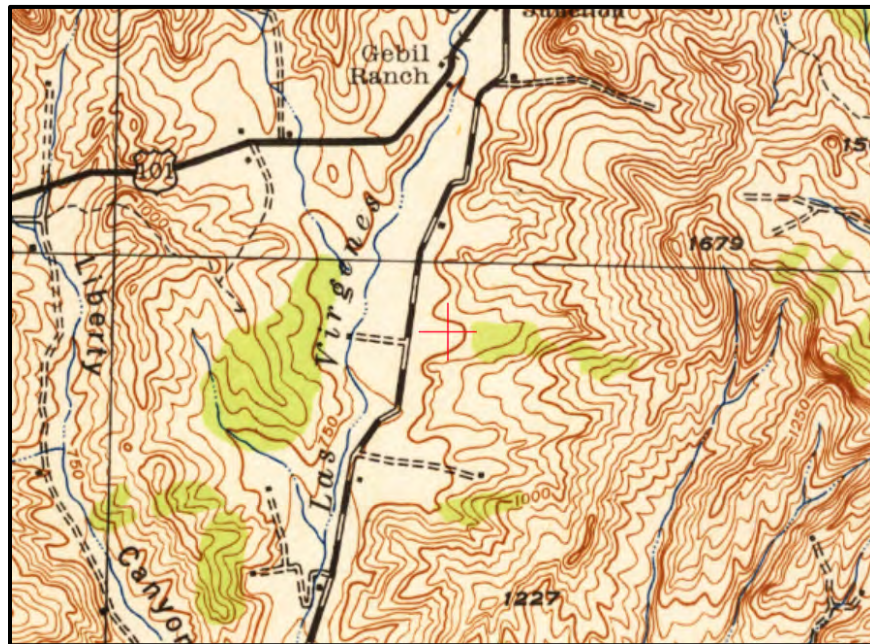


Figure 7: The 1944 Calabasas USGS Map.

The 1952 Calabasas USGS map shows limited additional regional development, with the addition of the nearby Las Virgenes School being the largest local change (**Figure 8**). Also shown is the location of a “water tank,” the remnants of which are found on the Project property, but not within the Project Site boundary.

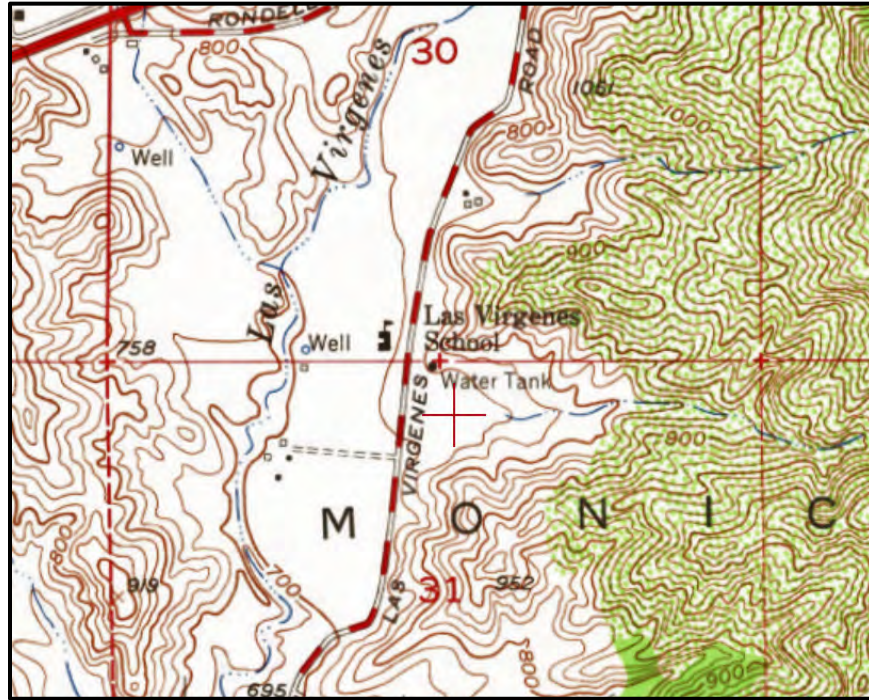


Figure 8: The 1952 Calabasas USGS Map.

The 1967 Calabasas map finally shows additional local development on the western side of Las Virgenes Road. This development is seen on the 1976 USGS aerial photo map of the area, which also shows the Project Site area being plowed (**Figure 9**). Local regional photos examined through the University of Santa Barbara Library Air Photo Archive from 1944, 1945, 1946, and 1958 noted that the Project Property was being cultivated, but identified no additional improvements.



Figure 9: 1976 USGS Aerial Photography Map.

Google Earth aerial and satellite images begin in 1989, and show only agricultural use of the Project property until 2012 when the irrigation spray field system was installed, and then in 2013 when the 1-megawatt solar field is installed (**Figure 10**). Of note on Figure 10 is the location of a water diversion feature at the eastern end of the Project Site area, which has diverted flood water away from the agricultural area to a retention pond for many decades. This water diversion feature was not seen on the historic aerial photos of the Project property.

The review of historic maps and aerial images indicated that the Project Site does not contain historic cultural resources. The Project Site is however located in an area that *potentially contains sensitive historic cultural resources* due to the age of development in the Las Virgenes Creek area.

Pedestrian Survey Results

Dr. Wayne Bischoff conducted a limited walk-over of the eastern end of the Project Site and the adjacent local area on August 9, 2018. Dr. Bischoff did not find any artifacts within the eastern end of the Project Site, but did discover two probable prehistoric petroglyph stones that had been added to the top of the water diversion channel walls within the area immediately surrounding the Project Site to the east.

Petroglyph 1 was an arrow-shape incised into a hard sandstone boulder (**Figure 11**, facing west). Based on lichen growth, which develops at a rate of 0.05-millimeters per 100-years, this petroglyph was roughly 200 years old. Also note the dense re-weathering of the rock cortex within the incised channel, which further indicates advanced age.

Petroglyph 2 was a dense series of linear incising across the face of a hard sandstone rock (**Figure 12**). The lines have been extensively re-weathered within the incised channels. Based on lichen growth, this petroglyph was roughly 400 years old. It is unclear whether these petroglyphs are of prehistoric or early historic origin, but the imagery expressed has been found repeated at other local prehistoric sites. The closest site with similar petroglyphs is at the corner of Agoura and Kanan Roads in Agoura Hills, so precedence for such features exists regionally.



Figure 10: 1990 Google Earth Satellite Image.



Figure 11: Petroglyph 1 (Roughly 200-Years Old).



Figure 12: Petroglyph 2 (Roughly 400-Years Old).

Even though both incised stones were modernly relocated to the top of the current water diversion channel feature, the sandstone appears to be local to the east end of the Project Site, and not part of the imported material also used in the feature. The opinion of the author was that the stones came from near the location and may have been prehistoric ownership marks for water or other natural resources in the area since similar petroglyphs have been found in similar locations throughout the Conejo and Simi Valleys.

Since the petroglyphs represented positive findings, even if repositioned, and because the SCCIC record search identified three additional prehistoric sites in the higher areas east of the Project Site, the entire 20-acre Project Site was further surveyed at 5 to 10-meter intervals; 5-meters in the eastern half of the Project Site near the known prehistoric cultural resources, and 10-meters in the western half of the Project Site. To complete this task, Ms. Debbie Balam and Mr. Charles Fazzone, Envicom archaeologists, surveyed the Project Site on August 22, 2018 (see **Figure 2**).

Visibility ranged from good to poor, however, enough vegetation-free areas, exposed rodent burrows, deflated area, dirt roads, and field edges with good visibility existed to develop an understanding of whether prehistoric or historic resources were present (**Figure 13** and **Figure 14**). No prehistoric or early historic artifacts or features were found, concluding that the Project Site was *negative for archaeological cultural resources*.



*Figure 13: The Project Area, Facing West,
Showing One of the Road Margins.*



Figure 14: The Project area, facing northwest.

Paleontological Summary

The entire Project Site is located within recent alluvium, which is not sensitive for paleontological resources. The Project will, therefore, have no impacts to paleontological resources. This was confirmed through examination of the Calabasas Thomas W. Dibblee Jr 1992 Geologic Map for the Calabasas area (Figure 15).

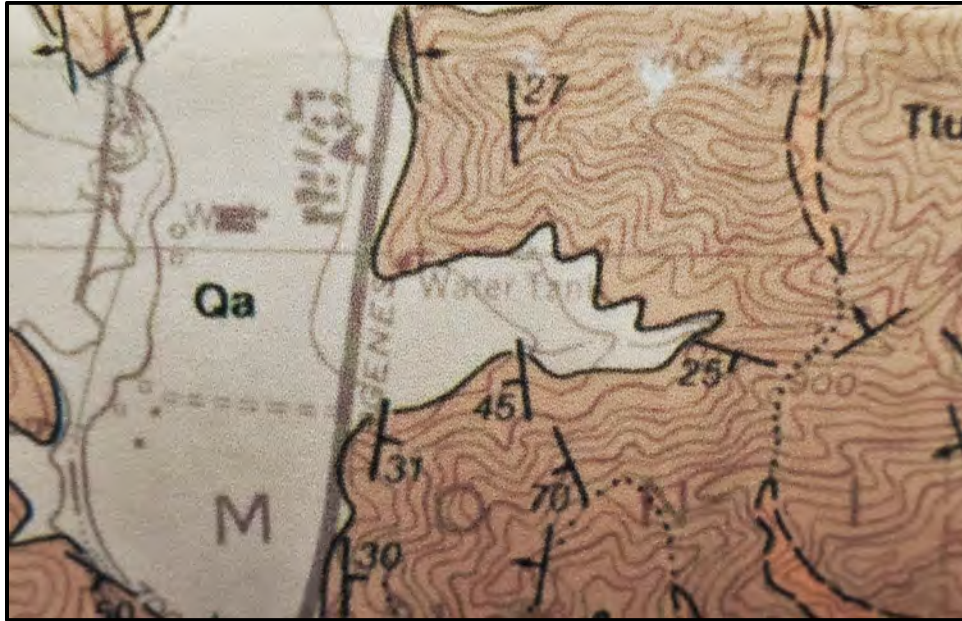


Figure 15: The Project Area is in a Valley of Recent Alluvial Material (Qa) (Center of Photo).

RECOMMENDATIONS

The results of the SCCIC, NAHC, and historic map database record searches were negative for cultural resources within the Project Site. The surface survey was also negative for cultural resources within the Project Site. However, based on the close proximity to three prehistoric cultural resources, the closeness of the older historic Las Virgenes Road, and the discovery of petroglyphs embedded in the nearby water diversion feature, Envicom recommends cultural resource and Native American monitoring during ground excavation. Based on the findings above, Envicom provides the following recommendations:

Recommendation 1: Archaeological Monitoring.

A Lead/Permitting Agency-approved archaeologist that meets the Secretary of Interior qualifications and a Native American monitor will be on site during project grading until older alluvial material is encountered. The archaeological monitor will collect any prehistoric or older (pre-1950s) cultural material that is uncovered through grading or site clearing, and can halt construction within 50-feet of a potentially significant cultural resource if necessary. If potentially significant intact deposits are encountered, then a cultural resource “discovery” protocol will be followed (see below). If modern fill is encountered, then the monitor can instead “spot-check” grading until native soils are again encountered. Any demolition or removal of existing structures or features associated with the irrigation system will not require monitoring.

Recommendation 2: Inadvertent Discovery of Archaeological Resources.

The inadvertent discovery of archaeological resources is always a possibility during ground disturbances; California Penal Code Section 622.5 addresses these findings. If buried materials of potentially-archaeological significance are inadvertently discovered within an undisturbed context during any earth-moving operation associated with the proposed project, then all work in that area shall be halted or diverted away from the discovery to a distance of 50-feet until a qualified senior archaeologist can evaluate the nature and/or significance of the find(s). If, upon assessment by a qualified senior archaeologist, the find is not determined to be significant, then construction may resume.

If the find is determined to be potentially significant, then the Lead/Permitting Agency will be immediately notified of the discovery. Construction will not resume in the locality of the discovery until consultation between the senior archaeologist, the project manager, the Lead/Permitting Agency, the Applicant’s representative, and all other concerned parties, takes place and a reaches a conclusion approved by the Lead/Permitting Agency.

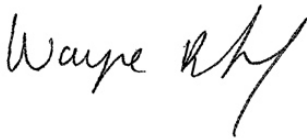
If a significant cultural resource is discovered during earth-moving, complete avoidance of the find is preferred. However, further survey work, evaluation tasks, or data recovery of the significant resource may be required by the Lead/Permitting Agency if the resource cannot be avoided. In response to the discovery of significant cultural resources, the Lead/Permitting Agency may also add additional regulatory compliance for use during further site development, which may include cultural and/or Native American monitoring.

Recommendation 3: Inadvertent Discovery of Human Remains.

The inadvertent discovery of human remains is always a possibility during ground disturbances; State of California Health and Safety Code Section 7050.5 addresses these findings. This code section states that in the event human remains are uncovered, no further disturbance shall occur until the County Coroner has made a determination as to the origin and disposition of the remains pursuant to California Public Resources Code Section 5097.98. The Coroner must be notified of the find immediately, together with the Lead/Permitting Agency and the property owner.

If the human remains are determined to be prehistoric, the Coroner will notify the NAHC, which will determine and notify a Most Likely Descendant (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials and an appropriate re-interment site. The Lead/Permitting Agency and a qualified archaeologist shall also establish additional appropriate regulatory compliance for further site development, which may include archaeological and Native American monitoring or subsurface testing, conducted and paid for by the applicant. All responses to the discovery of human remains will be outlined in a Recovery and/or Management Plan submitted to the Lead/Permitting Agency for review. Any required monitoring will be outlined in a Construction Phase Monitoring Plan, which will also be submitted to the Lead/Permitting Agency for review prior to the recommencement of ground-disturbance activities.

Sincerely,



Dr. Wayne Bischoff
Director of Cultural Resources

ATTACHMENTS:

- Appendix A: List of previous completed cultural resource reports in the study area
- Appendix B: SCCIC and NAHC Request Letters and NAHC Response Letter
- Appendix C: Resume of Dr. Wayne Bischoff (author)

Appendix A
**List of Previous Completed Cultural Resource
Reports in the Study Area**

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-01146		1980	Pence, Robert L.	An Evaluation of the Impact Upon Cultural Resources by the Proposed Development of 500 Acres in the Las Virgenes Creek Area, Los Angeles County		19-000315
LA-01483		1980	Wlodarski, Robert J. and Robert L. Pence	Hope Property Suitability Analysis (1000 Acres) Records Search, Intensive Archival/background Research for Land Located in Las Virgenes Canyon, Los Angeles County, Ca	Pence Archaeological Consulting	19-000729, 19-000730, 19-000731, 19-000732
LA-02153		1990	Van Horn, David M.	Archaeological Survey Report: Las Virgenes Road Improvements	Archaeological Associates, Ltd.	
LA-02280		1991	Whitley, David S. and Joseph M. Simon	Phase 1 Archaeological Survey and Cultural Resources Assessment for the 980 Acres Micor Las Virgenes Property, Western Los Angeles County, California	W & S Consultants	19-001883, 19-001884, 19-001885, 19-001886, 19-001887
LA-02555		1991	Kaptain, Neal	Cultural Resource Investigation: Archaeological Monitoring Solids Handling and Composting Facility Las Virgenes Munciple Water Dsistrict	Greenwood and Associates	
LA-02596		1992	Whitley, David S. and Joseph M. Simon	Phase Ii Archaeological Test Excavations at CA-LAN-1884, 1886 and -1887, Vtt #49856, Calabasas, Los Angeles County, California	W & S Consultants	19-001884, 19-001886, 19-001887
LA-02717		1992	Lopez, Robert	A Phase I Archaeological Reconnaissance of the Area Involved in the Las Virgenes Municipal Water District's Headquarters		

Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
LA-06601		2000	King, Chester and Parsons, Jeff	Archaeological Record of Settlement and Activity in the Simi Hills Malu'liwini	Topanaga Anthropological Consultants	19-000129, 19-000238, 19-000243, 19-000249, 19-000250, 19-000314, 19-000315, 19-000424, 19-000466, 19-000669, 19-000712, 19-000807, 19-000867, 19-000973, 19-001060, 19-001236, 19-001352, 19-001521, 19-001580, 19-001581, 19-001883, 19-001914, 56-000043, 56-000044, 56-000045, 56-000069, 56-000078, 56-000079, 56-000122, 56-000123, 56-000124, 56-000125, 56-000180, 56-000181, 56-000220, 56-000221, 56-000271, 56-000536, 56-000537, 56-000556, 56-000561, 56-000607, 56-000608, 56-000622, 56-000624, 56-000628, 56-000629, 56-000632, 56-000640, 56-000682, 56-000759, 56-000803, 56-000927, 56-001020, 56-001153
LA-09249		2007	Bonner, Wayne H.	Cultural Resources Records Search and Site Visit Results for T-Mobile Candidate SV11187A (A.E. Wright Middle School), 4029 North Las Virgenes Road, Calabasas, Los Angeles County, California	Michael Brandman Associates	19-000315

Appendix B
SCCIC and NAHC Request Letters and
NAHC Response Letter

August 23, 2018

Stacy St. James, Coordinator
South Central Coastal Information Center
C.S.U.F, Dept. of Anthropology, MH 426
800 N. State College Blvd.
Fullerton, CA 92834-6846

Attn: Ms. St. James

**Subj: Cultural Resources Phase I Assessment for JPA 4-5 MW Solar Generation Project
MND (Envicom Project #43-371-001)**

Dear Ms. St. James:

Envicom is requesting an **EXPEDITED** record search of the SCCIC database for cultural resources within the attached Project area, plus a **0.25-mile buffer**. The Project is located at:

USGS Quad: Malibu Beach, CA

Township: 1N

Range: 17W

Section: N/A

Lat: 34° 7'53.22"N

Long: 118°42'4.44"W

We are requesting to receive the following: Resource Database Printout (list), Resource Database Printout (details), Resource Digital Database (spreadsheet), Report Database Printout (list), Report Database Printout (details), and Historical Maps.

We also request the complete reports and/or site records for any cultural resources found within the project area only, not the 0.25 mile study area.

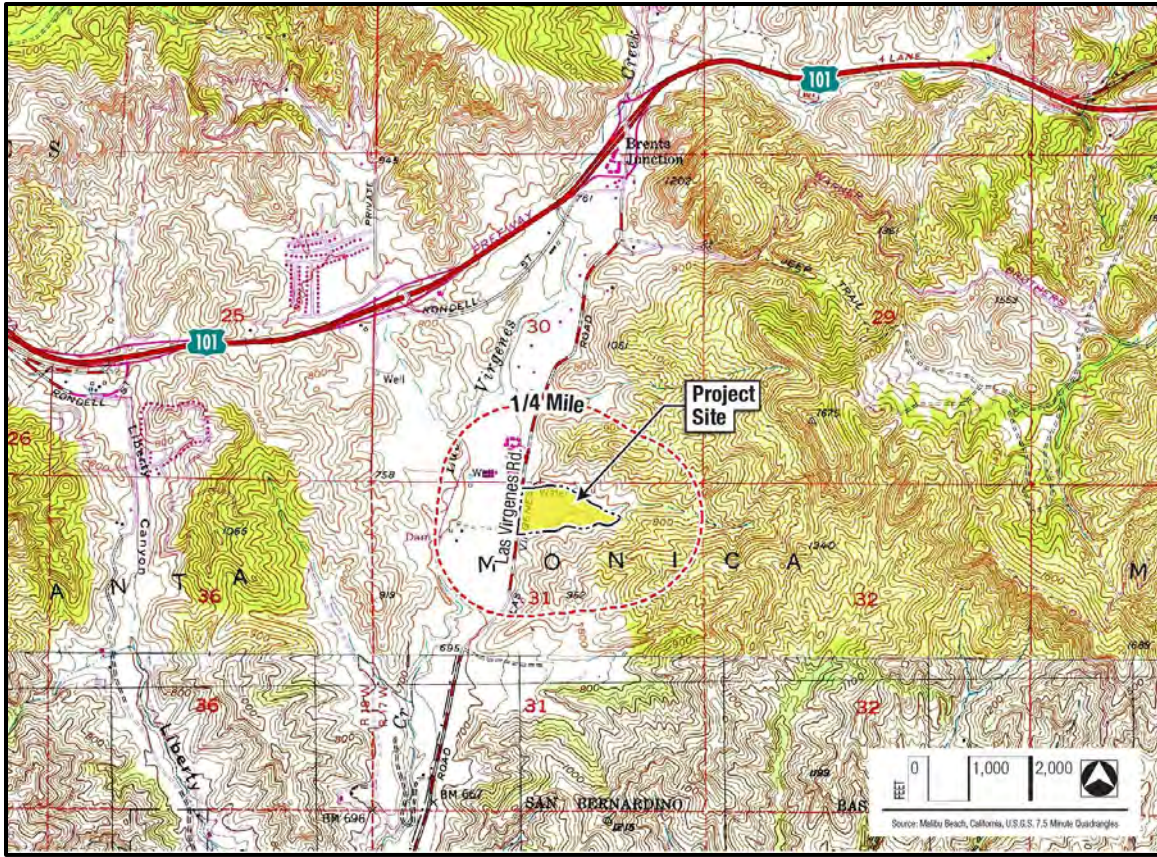
Envicom appreciates the SCCIC's help with this request. For correspondence or questions regarding this Project, please contact Wayne Bischoff at 818-879-4700 (wbischoff@envicomcorporation.com).

Sincerely,



Dr. Wayne Bischoff
Director of Cultural Resources

Attachment: Project vicinity map on 1:24,000 topographic map



August 23, 2018

Native American Heritage Commission
1550 Harbor Boulevard, Room 100
West Sacramento, CA 95691

**Subj: Cultural Resources Phase I Assessment for JPA 4-5 MW Solar Generation Project
MND (Envicom Project #43-371-001)**

Greetings,

Envicom is requesting a record review of your records for cultural resources for the Project area, plus a **0.25-mile buffer**. We also request a list of Tribal Group representatives for the area in case we need to contact their offices.

The Project is located at:

USGS Quad: Malibu Beach, CA
Township: 1N
Range: 17W
Section: N/A
Lat: 34° 7'53.22"N
Long: 118°42'4.44"W

Envicom appreciates the NAHC's help with this request. For correspondence or questions regarding this Project, please contact Wayne Bischoff at 818-879-4700 (wbischoff@envicomcorporation.com).

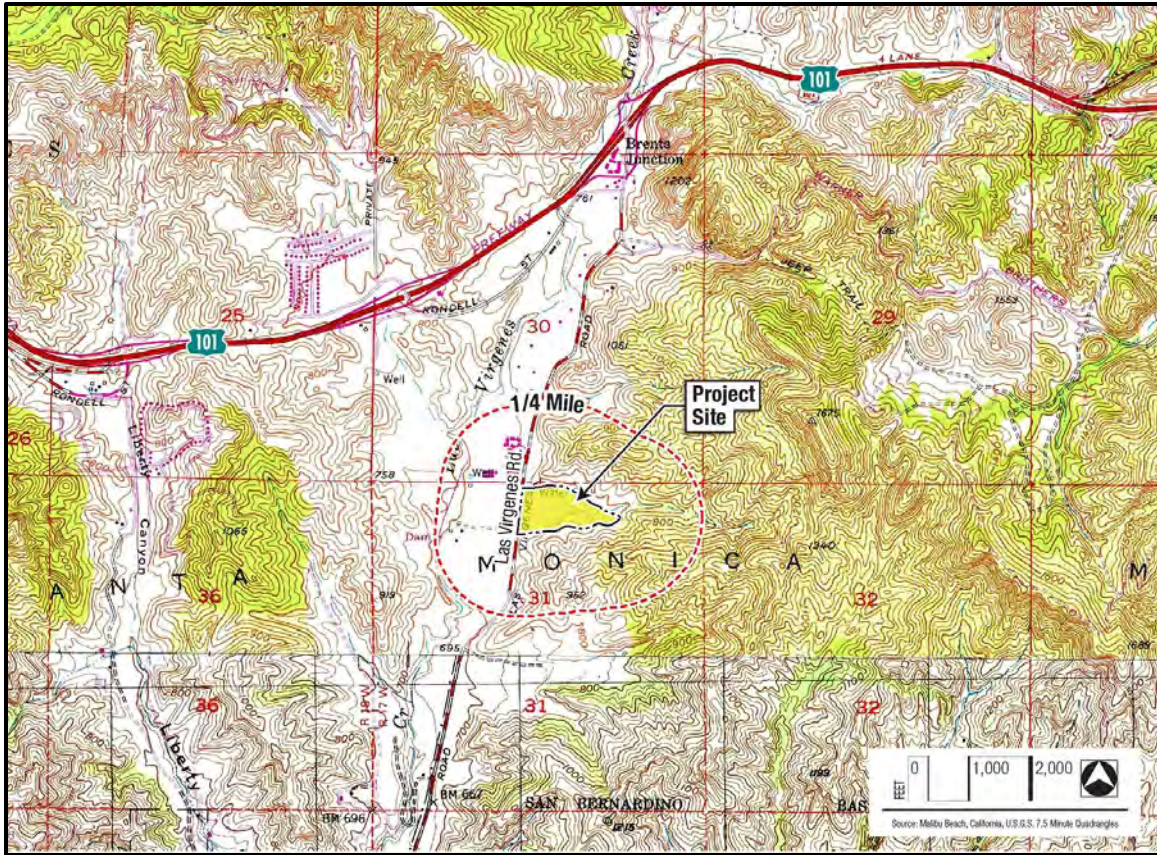
Sincerely,

A handwritten signature in black ink that reads "Wayne Bischoff". The signature is written in a cursive, flowing style.

Dr. Wayne Bischoff
Director of Cultural Resources

Attachment:

Project vicinity map on 1:24,000 topographic map



**Native American Heritage Commission
Native American Contacts
August 27, 2018**

Santa Ynez Band of Chumash Indians
Kenneth Kahn. Chairperson
P.O. Box 517
Santa Ynez , CA 93460
kkahn@santaynezchumash.org
(805) 688-7997

Chumash

(805) 686-9578 Fax

Fernandeno Tataviam Band of Mission Indians
Rudv Ortega Jr.. Tribal President
1019 Second Street. Suite 1
San Fernando , CA 91340
rortega@tataviam-nsn.us
(818) 837-0794

Fernandeno
Tataviam

(818) 837-0796 Fax

Barbareno/Ventureno Band of Mission Indians
Julie Lvnn Tumamait-Stenslie. Chair
365 North Poli Ave
Ojai , CA 93023
itumamait@hotmail.com
(805) 646-6214

Chumash

Barbareno/Ventureno Band of Mission Indians
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Ojai , CA 93023
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Chumash

Kitanemuk & Yowlumne Teion Indians
Delia Dominguez. Chairperson
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Yowlumne
Kitanemuk

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthonv Morales. Chairperson
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Gabrielino Tonava

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Gabrielino /Tonava Nation
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Gabrielino Tonava

San Manuel Band of Mission Indians
Lee Clauss. Director-CRM Dept.
26569 Community Center Drive
Highland , CA 92346
lclauss@sanmanuel-nsn.gov
(909) 864-8933

Serrano

(909) 864-3370 Fax

Kern Vallev Indian Community
Robert Robinson. Chairperson
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Lake Isabella , CA 93283
brobinson@iwvisp.com
(760) 378-2915 Cell

Tubatulabal
Kawaiisu

Gabrielino-Tonava Tribe
Linda Candelaria. Chairperson
No Current Address on File
Gabrielino

Gabrielino

This list is current only as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resource Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native American Tribes with regard to cultural resources assessments for the proposed
4-5 MW Solar Generation Project, Los Angeles County

**Native American Heritage Commission
Native American Contacts
August 27, 2018**

Soboba Band of Luiseno Indians
Joseph Ontiveros. Cultural Resource Department
P.O. BOX 487 Luiseno
San Jacinto , CA 92581 Cahuilla
iontiveros@soboba-nsn.gov
(951) 663-5279
~~(951) 654-5544 ext 4137~~
(951) 654-4198 Fax

San Manuel Band of Mission Indians
Lynn Valbuena
26569 Community Center Dr. Serrano
Highland , CA 92346
(909) 864-8933

Gabrielino Band of Mission Indians - Kizh Nation
Andrew Salas. Chairperson
P.O. Box 393 Gabrielino
Covina , CA 91723
admin@gabrielenoindians.org
(626) 926-4131

Barbareno/Ventureno Band of Mission Indians
Eleanor Arrellanes
P.O. Box 5687 Chumash
Ventura , CA 93005
(805) 701-3246

Barbareno/Ventureno Band of Mission Indians
Raudel Joe Banuelos. Jr.
331 Mira Flores Court Chumash
Camarillo , CA 93012
(805) 427-0015

Gabrielino-Tonava Tribe
Charles Alvarez. Councilmember
23454 Vanowen St. Gabrielino
West Hills , CA 91307
roadkincharles@aol.com
(310) 403-6048

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This list is only applicable for contacting local Native American Tribes with regard to cultural resources assessments for the proposed
4-5 MW Solar Generation Project, Los Angeles County

Appendix C
Resume of Dr. Wayne Bischoff (author)



Wayne Bischoff, Ph.D.

Envicom Director of Cultural Resources

Dr. Bischoff has over 20 years' experience managing cultural resource projects and ensuring compliance with California Environmental Quality Act (CEQA), Section 106 of the National Historic Preservation Act (NHPA), the National Environmental Protection Act (NEPA), and state, county, city, and local government cultural laws, guidelines, and procedures. He has managed cultural, paleontological, ethnographic, and built environment projects throughout Southern California, including the Counties of Ventura, Los Angeles, Kern, Imperial, San Diego, Orange, Santa Barbara, Riverside, and San Bernardino. Dr. Bischoff has authored cultural resource section of Environmental Impact Reports (EIR), Mitigated Negative Declarations (MND), Environmental Impact Statements (EIS), Environmental Assessments (EA), Programmatic Agreements (PA), Memorandum of Agreements (MOA), and Memorandum of Understanding (MOU).

Dr. Bischoff has been the principal or project manager for hundreds of cultural resource projects in Southern California, including record searches, surveys, evaluations, and data recoveries, built environment and historic architectural inventories, HABS projects, paleontological surveys, ethnographic reports and Native American consultation, and historic structure evaluations. He has also worked with most of the Tribal Groups of Southern California, including the Chumash, Tongva, Washo, Yokut, Piute, Quechan, Cahuilla, Tataviam, San Manuel, Morongo, Luiseno. He has also provided Native American consultation for the City of Los Angeles and for many other municipalities throughout the region.

Recent Professional Projects

- **Simi BMX Course Phase I Survey, Simi Valley, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (July 2018 – Current)
- **Phase I Survey for the Massilia Spa Project, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. Project also includes an inventory and initial assessment of over a dozen 1930 through 1990 structures on the property (June 2018 – Current)
- **Los Angeles Community College District (LAUSD) Environmental On-Call (including cultural resources), Los Angeles County, CA.** Principal, Project Manager, and cultural resource consultant as needed. (February 2018 – Current)
- **Los Angeles Unified Schools Department (LAUSD) Environmental On-Call (including cultural resources), City of Los Angeles, Los Angeles County, CA.** Principal, Project Manager, and cultural resource consultant as needed. Envicom was one of 15 companies to be awarded this large on-call contract. (February 2017 – Current)
- **Phase I Survey of the Butler Ranch, in Ventura County near west Simi Valley, California.** Principal and Project Manager for the completion of a Phase I record search, NAHC record search request, and a site survey of this 332-acre low density residential development project. (May 2018 – Current)



- **Phase I Survey for the 17-acre Olivas Park Extension commercial development project in Ventura, Ventura County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey, followed by limited monitoring. (January 2018 – Current)
- **Review of Technical Documents and EIR Cultural Section Writing for “The Agoura Village Expansion” project, Agoura Hills, Los Angeles County, CA.** Professional review of project cultural resource documents and authoring of cultural resource section of MND for this large mixed use project. The primary challenge is that the development is located on a significant prehistoric Native American cultural resource. Native American consultation took place in July with the Chumash and Tataviam Tribal Groups (January 2018 – Current)
- **CA-LAN-321 Phased Evaluation Project, Agoura Hills, Los Angeles County, CA.** Principal and Project Manager for the phased evaluation (Phase II) of CA-LAN-321 in response to potential impacts from the construction of the Conrad N. Hilton Foundation Phase 2 Campus Building. The site is a prehistoric Chumash residential and ceremonial center of over 80-acres in size and that was used by prehistoric Native Americans from 400 A.D. to the late 1700s. Dozens of test units, hundreds of shovel test pits, surface collection, and surface feature mapping have been completed to date planned. Native American consultation took place in July with the Chumash and Tataviam Tribal Groups (August 2015 – Current)
- **City of Thousand Oaks Environmental On-Call (Including Cultural Resources), Los Angeles County, CA.** Envicom was selected as one of a limited number of on-call environmental firms for the City. (June 2015 – Current)
- **Phase I(b) Survey of the proposed Forrest Club 50-acre private club development, Los Angeles County, CA (with Samantha Whittington and Charlie Fazzone).** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. In addition, 24 shovel test pits were excavated across the locations of two 1920s historic cabins. No further work was required. (April 2018 – June 2018)
- **Phase I Survey for the Ascension Lutheran Church Master Plan and MND, Thousand Oaks, California, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (May 2018 – June 2018)
- **Phase I Survey for the Mulholland Senior Living Project, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (May 2018 – May 2018)
- **Phase I Survey of the proposed Tapo at Alamo EIR for a mixed-use development project, Simi Valley, Ventura County, CA (with Samantha Whittington and Debbie Balam).** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (March 2018 – May 2018)
- **Cultural, Paleo, and Native American Monitoring for the Agoura Hills Marriott Development Project.** Principal and Project Manager for this monitoring project. During monitoring, a prehistoric Chumash cultural resource was discovered, which led to artifact collection, analysis, and a final report of findings (January 2018 – May 2018)

- **Phase I Survey of the proposed 113-133 West Plymouth Street multiple unit residential development, Inglewood, Los Angeles County, CA (with Samantha Whittington, Debbie Balam, and Charlie Fazzone).** Principal and Project Manager for the completion of a record search, paleontological record search, NAHC record search request, and a site survey. (April 2018 – April 2018)
- **Phase I Survey of the Upper Bailey Road tract, Sylmar, Los Angeles County, CA (with Samantha Whittington and Debbie Balam).** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (December 2017 – April 2018)
- **Phase I Survey of the Lower Bailey Road tract, Sylmar, Los Angeles County, CA (with Samantha Whittington and Debbie Balam).** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (December 2017 – April 2018)
- **Historic Structure Evaluation of Blythe Elementary School for LAUSD.** Project Manager for this project, with Chattel, Inc., being the historic preservation consultant. (February 2018 – April 2018)
- **Historic Structure Evaluation of Robert Hill Lane Elementary School for LAUSD.** Project Manager for this project, with Chattel, Inc., being the historic preservation consultant. (February 2018 – April 2018)
- **Historic Structure Evaluation of James Madison Middle School for LAUSD.** Project Manager for this project, with Chattel, Inc., being the historic preservation consultant. School was found eligible for the CRHR. (February 2018 – April 2018)
- **Historic Structure Evaluation of 54th Street Elementary School for LAUSD.** Project Manager for this project, with Chattel, Inc., being the historic preservation consultant. School was found eligible for the CRHR. (February 2018 – April 2018)
- **Historic Structure Evaluation of Chapman Elementary School for LAUSD.** Project Manager for this project, with Chattel, Inc., being the historic preservation consultant. (February 2018 – April 2018)
- **Historic Structure Evaluation of Dena Street Elementary School for LAUSD.** Project Manager for this project, with Chattel, Inc., being the historic preservation consultant. (February 2018 – April 2018)
- **Historic Structure Evaluation of Patrick Henry Middle School for LAUSD.** Project Manager for this project, with Chattel, Inc., being the historic preservation consultant. School was found eligible for the CRHR. (February 2018 – April 2018)
- **Historic Structure Evaluation of Richland Avenue Elementary School for LAUSD.** Project Manager for this project, with Chattel, Inc., being the historic preservation consultant. (February 2018 – April 2018)
- **Marinette Road Residential Development, Pacific Palisades, Los Angeles County, CA.** Principal and project manager for this development project, which included a record search, site survey, Tribal Group scoping letters, and agency consultation. The major challenge was that the project property was within the Will Rogers State Monument and National Register site boundary. An update for this project was conducted in 2018 to include AB-52 compliance. (February 2015 – May 2015; January 2018 – April 2018)

- **Phase I Survey for 6956 Dume Drive, Malibu, California, Los Angeles County, CA (with Samantha Whittington).** Principal and Project Manager for the completion of an SCCIC and NAHC record search, and a site survey. (February 2018 – March 2018)
- **Phase I Survey of roughly 50-acres for Improvements on the Saddlerock Ranch/Malibu Wines Property in the Santa Monica Mountains, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC scoping, and a site survey. This project involves upgrades to the winery existing structures and public buildings, as well as road and parking improvements. Part of this project is located near a National Register Chumash rock art site as well as other prehistoric resources (November 2016 – March 2018)
- **Phase I Survey for 28730 Grayfox, Malibu, California, Los Angeles County, CA (with Samantha Whittington).** Principal and Project Manager for the completion of an SCCIC and NAHC record search, and a site survey. (January 2018 – February 2018)
- **Phase I Survey for 11681 Foothill Boulevard, a multiple-unit residential project in Sylmar, California, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (November 2017 – February 2018)
- **Phase I Survey for a single family property development along Yerba Buena Road, Ventura County, CA.** Principal and Project Manager for the completion of an SCCIC and NAHC record search, and a site survey. (December 2017 – January 2018)
- **Phase I Survey for 34134 Mulholland Highway, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (December 2017 – January 2018)
- **Faunal, Osteological, Archaeological, and Fossil Consultation for Citadel Environmental and Turner-Hunt for the Hollywood Park Development Project (new Rams NFL Stadium).** Osteological and paleontological consultant for Kiewit, Turner, and Citadel for the construction of the new Rams NFL stadium in Inglewood. Project included discovery and recordation of modern and fossil mammal bones. (December 2016 – January 2018)
- **Phase I Survey for 24600 Thousand Peaks Road, Calabassas, California, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (November 2017 – January 2018)
- **Phase I Survey for 28929 Grayfox, Malibu, California, Los Angeles County, CA.** Principal and Project Manager for the completion of an SCCIC and NAHC record search, and a site survey. (November 2017 – January 2018)
- **Manzanita School Phase Ia Survey for a 20.27-acre private school development in Topanga Canyon, California, Los Angeles County, CA.** Principal and Project Manager for the completion of an SCCIC and NAHC record search, and a site survey. (May 2017 – January 2018)
- **Phase I Survey for the 181 to 187 Monterrey Road Condominium Project, a small residential development near South Pasadena, California, Los Angeles County, CA.** P Principal and Project Manager for the completion of an SCCIC and NAHC record search, and a site survey. (July 2017 – January 2018)

- **Phase I Survey for for the Agoura Village project, a 7.37-acre Commercial Subdivision in the City of Agoura Hills, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC scoping, and a Phase Ia site survey. The Phase Ia survey was followed by a Phase Ib subsurface survey and an updated site form for a previously known prehistoric cultural resource that includes the entire project area. (October 2016 – December 2017)
- **Phase I survey for 22866 Beckledge Terrace, Malibu, California.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (September 2017 – November 2017)
- **Lynn Road Residential Development Project, Construction Monitoring, Newbury Park, CA.** Principal and Project Manager for the surface collection and construction monitoring for this 10-acre residential construction project. (October 2017 – November 2017)
- **Phase II Evaluation of two cultural resources located on the Oakmont project property, City of Agoura Hills, Los Angeles County, CA.** Principal and Project Manager for the evaluation of a prehistoric cultural resource and a 1920s-1980s historic homestead cultural resource. Evaluation tasks included shovel test pits, and a test unit for the prehistoric cultural resource, and detailed mapping and documents research for the historic cultural resource. A combined report for both Oakmont projects was produced for the City. (August 2017 – October 2017)
- **City of Pomona Environmental On-Call (Including Cultural Resources), Los Angeles County, CA.** Envicom successful won inclusion as one of six on-call environmental firms for the City. (October 2014 – October 2017)
- **Phase I Survey for for the Oakmont commercial project, a 5.75-acre development in the City of Agoura Hills, Los Angeles County, CA.** Principal and Project Manager for the completion of NAHC record search, and a Phase Ia site survey. The Phase Ia survey identified two cultural resources; a 1920s historic homestead foundation, and a large prehistoric archaeological site. (August 2017 – October 2017)
- **Phase I Assessment of the West Hills Crest 37-acre Residential Subdivision in West Hills, City of Los Angeles.** Principal and Project Manager for the completion of a record search and project area site survey. A key issue for this project was the record search being positive for a prehistoric cultural resource within the development area. This resource, CA-LAN-1223, was further investigated with 22 shovel test pits, and evaluated as not being a significant cultural resource. (February 2017 – October 2017)
- **Phase I Survey for 15498 LaPeyre Court, a residential development in Moorpark, Ventura County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. Project also included coordination with numerous biology tasks. (August 2017 – September 2017)
- **San Bernardino County Cultural, Historic Architecture, and Paleontology On-Call, San Bernardino, CA.** Envicom successful won inclusion in the limited on-call pool. (October 2014 – Current)
- **Pepperdine University Campus Life Project: Updated Cultural Resources Record Search.** Principal and Project Manager for an updated record search and letter report for the Pepperdine Campus Life housing, facilities, and trail development project. This update was part of an ammended campus-wide EIR (December 2017 – June 2017)

- **Fourth and Hewitt, City of Los Angeles, Los Angeles County, CA.** Principal and Project Manager for a cultural resource record search for the development of a new office building within a commercial urban environment. Project also included a paleontological assessment of the property due to an extensively deep planned parking garage and Native American concerns. Also completed with an Ethnographic Report to meet AB-52 criteria. Another key issue was determining whether a historic built environment assessment was needed. (February 2017 – January 2017)
- **Pepperdine University Campus Life Project: Phase I survey of new Baseball Field development.** Principal and Project Manager for the addition of the campus baseball field as part of the larger Pepperdine Campus Life housing, facilities, and trail development project. (February 2017 – June 2017)
- **Phase I Survey for the Copper Canyon Project, a 5-acre residential development near Santa Clarita, California, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. Also part of the project was the resurvey of two previously recorded cultural resources within the project boundary. (May 2017 – July 2017)
- **Phase Ia Survey for the Oneonta Hillside Drive, a residential development in South Pasadena, Los Angeles County, CA.** Principal and Project Manager for the completion of an SCCIC and NAHC record search, and a site survey. (May 2017 – July 2017)
- **North Canyon Ranch 170-acre Residential Subdivision in Simi Valley, Ventura County, CA.** Principal and Project Manager for the completion of a record search and project area site survey. A key issue for this project was a previously disturbed cultural resource within the project area, the destruction of which needed to be addressed in the final report. (May 2017 – August 2017)
- **Construction Monitoring for Parcel 2058-003-010, Lobo Canyon, Los Angeles County.** Principal and Project Manager for the surface collection and construction monitoring for this single family residential construction project. (July 2015 – August 2016).
- **Phase I Survey for the 12300 Valley Boulevard Hotel, a commercial development in El Monte, Los Angeles, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey for this small residential development. (June 2017 – August 2017)
- **Phase Ia Survey for the Holiday Inn Express Hotel, a commercial development in El Monte, Los Angeles, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey for this small residential development. (July 2017 – August 2017)
- **Arcadia Town Homes MND Phase I Cultural Assessment for a multi-unit residential development in Arcadia, Los Angeles, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey for this multi-unit residential development. (May 2017 – August 2017)
- **Phase I Survey for the 6625 Bradley Road, a residential development in Somis, Ventura County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey for this small residential development. (June 2017 – July 2017)

- **Phase I Survey for 3800 Figueroa, an apartment complex development in Los Angeles, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey for apartment complex development. (June 2017 – August 2017)
- **11172 Santa Paula Road Phase Ia Survey for a 5.5-acre Agricultural property in Ojai, California, Ventura County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (May 2017 – June 2017)
- **6658 Reseda Boulevard, City of Reseda, Los Angeles County, CA.** Principal and Project Manager for a Phase 1 record search for this urban mixed use project. (March 2017 – May 2017)
- **Paradise Valley Development Project Environmental Impact Report and Impact Statement, Riverside County, CA.** Author of the cultural section for this EIR for a housing and mixed use development of over 2200-acres east of Indio, California. Also reviewed original technical documents, and incorporated legal and agency comments. Mitigation measures included the management and monitoring of dozens of cultural resources, sensitive soils, and paleontological resources. (October 2014 – March 2017)
- **Phase I Cultural Resources Survey for Parcel 2058-003-010, Lobo Canyon, Los Angeles County, CA.** Principal and Project Manager for completion of a Phase Ia and NEPA permit for the project (USACOE, Los Angeles District). Extensive communications and consultation with the COE and SHPO. Project also involved the mitigation monitoring of a prehistoric cultural resource located on the property. (July 2016 – March 2017)
- **Phase I Survey for a 1.33-acre Mixed-Use development in the City of Northridge at the corner of Nordoff and Darby Streets, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC scoping, and a site survey. This project included a built-environment assessment of existing historic structures (October 2016 – February 2017)
- **Phase I Survey for a 0.5-acre Residential Subdivision in the City of Los Angeles at the end of Crisler Way, Los Angeles County, CA.** Principal and Project Manager for the completion of a record search, NAHC record search request, and a site survey. (October 2016 – February 2017)
- **Deer Lake Residential Development Cultural Monitoring, Porter Ranch, Los Angeles, CA.** Principal and Project Manager for the cultural monitoring of eight cultural resources within the project development boundary. This project includes the writing of a final Monitoring Report. (May 2016 – February 2017)
- **Phase I Survey for a 0.5-acre Mixed Use Development Project on Camarillo Avenue in North Hollywood, Los Angeles County, CA.** Principal and Cultural Project Manager for the completion of a record search, NAHC scoping, and a site survey. This project also included a historic built environment assessment (November 2016 – January 2017)
- **Phase I Survey for a 14-acre Residential Subdivision in Woodland Hills, CA.** Principal and Project Manager for the completion of a record search, NAHC scoping, and a site survey. This project involved consultation with the City of Los Angeles on AB-52 (July 2016 – January 2017)

- **Lynn Road Residential Development Project, Newbury Park, CA.** Principal and Project Manager for the Phase Ia and Phase Ib survey of this 10-acre parcel. A large prehistoric Middle-Period seasonal settlement was discovered, which required subsurface testing and extensive mapping of surface hearths, yucca roasters, and dwelling features. Project included public testimony before the Thousand Oaks Planning Commission. (September 2015 – December 2016)
- **Pepperdine University Campus Life Project: Debris Basin Excavation Cultural and Paleontological Resource Monitoring, Los Angeles, CA.** Principal and Project Manager for cultural resource monitoring of Phase I of the Pepperdine Campus Life housing, facilities, and trail development project. (August – October 2016)
- **Trail Construction Monitoring, Conrad N. Hilton Foundation.** Principal and Project Manager for the development of a pedestrian foot trail loop between the Foundation and the nearby “Ridge” professional building, including the excavation of dozens of shovel test pits and a major surface collection of prehistoric artifacts, including trail construction monitoring. (August – September 2016)
- **32640 PCH Phase I Cultural Resource Survey, Santa Monica, CA.** Principal and Project Manager for the Phase I cultural resource assessment of a ravine rehabilitation project between the Pacific Coast Highway and the Pacific Ocean. Included a record search, site survey, and technical report. (May 2015 – June 2016)
- **Conrad N. Hilton Foundation Trail Project Cultural Assessment, Agoura Hills, Los Angeles County, CA.** Project Manager for the Phase 1b survey of a new pedestrian access trail linking off-site office space with the Foundation campus buildings. Project included the excavation of over 30 shovel test pits and the recording of numerous prehistoric features. (May – August 2016)
- **CA-LAN-321 Project Compliance Plans, and Native American and Lead Agency Consultation, Agoura Hills, Los Angeles County, CA.** Tasks included the authoring of a cultural resource Treatment and Data Recovery Plan, a cultural resource Management Plan, and a Curation Plan for all artifacts, as well as the organization of meetings with the Chumash Tribal Groups and the Lead Agency. (April 2015 – June 2016)
- **Canyon Park Homes, Sylmar, Los Angeles County, CA.** Native American Tribal Group consultation and pre-construction monitoring for this 80-acre residential property development, as well as EIR section writing. (February 2015 – March 2016)
- **Oakwood Schools Built Environment and Archaeological Assessment, North Hollywood, Los Angeles County, CA.** Principal and Project Manager for the Phase I cultural resource assessment of the project property prior to the construction of a new middle and high school campus within the North Hollywood area. Challenging tasks included Native American ghost writing for the lead agency (City of Los Angeles) and addressing a modern human cremation garden in the report (November 2015 – February 2016)
- **Floral Canyon Residential Development Cultural Resource Survey, North Hollywood, CA.** Principal and Project Manager for this Phase Ia cultural resource survey of an 8-acre property. The cultural resource parts of the CEQA checklist were also completed. (September – December 2015).

- **Hilton Property Phase 3 Construction Site Phase Ib Cultural Resources Survey, Agoura Hills, Los Angeles County, CA.** Principal and Project manager for this extensive preliminary survey project, including excavation of over 200 shovel test pits and 4 test units to define the boundaries of a prehistoric ceremonial site of over 80-acres in size, used by Chumash Native Americans from 400 A.D. to the late 1700s. Recordation of over 190-features and 11,500 artifacts. Second phase will include data recovery tasks and an ammended Environmental Impact Report. (February 2014 – March 2015)
- **Blessed Theresa Church Construction, City of Winchester, Riverside County, CA.** Cultural consultation including cultural/paleo monitoring issues. (April 2014 – July 2014)
- **Village at Los Carneros, City of Goleta, Santa Barbara County, CA.** Reviewed all previous technical studies and wrote part of the cultural sections of the Environmental Impact Report for this residential house development project. (March 2014 – April 2014)
- **3121 Old Topanga Canyon Road Phase I Survey and Literature Search, City of Calabasas, Los Angles County, CA.** Principal and Project manager for this residential development project, including NAHC letters, literature review, site survey, paleontolgoical survey and literature search, final technical report, and the writing of the cultural resources section of the Environmental Impact Report. (March 2014 – April 2014)
- **Beacon Solar, Hecate Energy and LADWP, Kern County, CA.** Business Developer for the archaeology and biological monitoring, pre-construction surveys, and desert totoise fence monitoring for this large, 2000-acre solar project for the Los Angeles Department of Water and Power. (July – October 2013).
- **Q-Cells Solar Survey, Palm Springs, Riverside County, CA.** Principal and Project Manager for a cultural survey and record search of 36-acres north of Palm Springs for solar development. (October 2013 – October 2013)
- **Pacific Gas and Electric NERC Support Monitoring, sub to URS, Northern and Central California.** Principal and Project Manager for this 4-year project in support of the national NERC power pole reliablity project for PG&E. Involves cultural, biological, and paleontological monitoring and field surveys. (October 2013 – October 2013)
- **Gold Bar Transmission Line Survey, McEwen Mining, Eureka County, NV.** Principal and Project Manager for this 2,577-acre cultural survey for the develeopment of a 33-mile transmission line to service the Gold Bar Mine in Nevada. Bureau of Land Management was the principal Federal agency. (April 2013 – October 2013).
- **East Kern Wind Resource Area (EKWRA) Power Pole Replacement Project, Environmental Intelligence / Southern California Edison, Kern County, CA.** Principal and Project Manager. This two-year project included cultural resource surveys, the evaluation of numerous cultural sites, and cultural and paleontological monitoring for the construction of over 130-miles of new power poles and fiber optics lines to service Tehachapi Moutain wind farms. (January 2013 – October 2013)
- **Pure Source Power, Victorville, San Bernardino, CA.** Principal and Project Manager for a cultural survey and record search of 140-acres north of Palm Springs for solar development. (September 2013 – October 2013)

- **Dry Ranch Solar Project, Silverado Power, Los Angeles County, CA.** Principal. Dr. Bischoff managed this 64-acre solar project near Lancaster, which included a record search, field survey, and cultural report to meet CEQA compliance. This project included coordination with Southern California Edison for a gen-tie line and telecom attachments. (March - April 2013)
- **Plainview Solar Project, Silverado Power, Los Angeles County, CA.** Principal. Dr. Bischoff managed this 114-acre solar project near Lancaster, which included a record search, field survey, and cultural report to meet CEQA compliance. (April - May 2013)
- **Silverleaf Solar Project, Cultural and Paleontological Survey, Agile Energy, Imperial County, CA.** Principal and Project Manager. Dr. Bischoff provided general review and quality control for a large solar project south of San Diego. This project involved an over 2,000-acre survey of proposed solar fields and 5-miles of electrical transmission gen-tie lines. The Bureau of Land Management was the principal Federal agency. (November 2011 - July 2012)
- **Desert Harvest Solar Project, Built Environment Survey, eneXco Energy, Riverside County, CA.** Project Manager. Dr. Bischoff was the project manager for the built environment survey of 1,600-acre solar field and 12-miles of electrical transmission gen-tie lines. This included the production of a separate technical report for the Bureau of Land Management that included a historic structure inventory, assessment of significance, and an indirect effects analysis. (November 2011 - June 2012)
- **Silverleaf Solar Project, Built Environment Survey, Agile Energy, Imperial County, CA.** Project Manager. Project Manager. Dr. Bischoff was the project manager for the built environment survey of 2,000-acre solar field and 5-miles of electrical transmission gen-tie lines. This included the production of a separate technical report for the Bureau of Land Management that included a historic structure inventory, assessment of significance, and an indirect effects analysis. (November 2011 - July 2012)
- **IVSC2 Solar Project, County of Imperial, Imperial County, CA.** Principal and Project Manager. Dr. Bischoff provided oversight of the 140-acre solar project east of the Salton Sea. This project was notable for the quick response time required to field a survey crew and complete a draft report for the County (Sept-Oct 2012)
- **Desert Harvest Solar Project, Cultural and Paleontological Resource Survey, eneXco Energy, Riverside County, CA.** Principal and Project Manager. Dr. Bischoff provided general review and quality control for a large solar project northeast of Blythe, CA. This project involved an over 1,600-acre survey of proposed solar fields and 12-miles of electrical transmission gen-tie lines. Bureau of Land Management was the principal Federal agency. (November 2011 - July 2012)
- **Desert Harvest Solar Project, Built Environment Survey, eneXco Energy, Riverside County, CA.** Project Manager. Dr. Bischoff was the project manager for the built environment survey of 1,600-acre solar field and 12-miles of electrical transmission gen-tie lines. This included the production of a separate technical report for the Bureau of Land Management that included a historic structure inventory, assessment of significance, and an indirect effects analysis. (November 2011 - June 2012)

- **AT&T Fiber-optics Renewal Project, Evaluations, Mitigations, and Monitoring, AT&T, San Bernardino County, CA.** Cultural Principal and Project Manager. Dr. Bischoff will provide project management, technical writing, and quality control for the cultural and paleontological evaluations, data recoveries, and monitoring efforts for the AT&T fiber renewal project. This project involved the survey of over 90 miles of proposed new fiber-optic line between Barstow and Las Vegas, NV, and the management of over 100-cultural sites. Bureau of Land Management and Mojave National Preserve were the principal Federal agencies. (July 2013 – October)
- **Fiber Node Evaluations, Freedom Communications, Orange County, CA.** Cultural Principal. Dr. Bischoff provided general project management and quality control for the cultural background record searches and surveys for dozens of telecommunication sites throughout the City of Irvine as part of the Freedom Communications site development project. Dozens more sites are expected to be tested in the coming year. (April 2012 – October 2013)
- **San Diego Churches and Public Building Historic Structure Evaluations, DePratti Inc., City of San Diego, CA.** Principal Investigator. Dr. Bischoff acted as Principal and QA/QC manager for this project, which involved the evaluation of dozens of historic structures as part of the DePratti Communication telecommunication attachment project in the City of San Diego. (November 2011 – October 2013)
- **The Plunge Evaluation, DePratti Inc., City of San Diego, San Diego County, CA.** Principal for this historic architecture project involving the structural evaluation and National Register documentation for The Plunge historic salt-water bath house in San Diego. (September 2013 – September 2013)
- **AT&T Fiber-optics Renewal Project, Surveys, Literature Searches, and Technical Studies, AT&T, San Bernardino County, CA.** Cultural Principal and Project Manager. Dr. Bischoff provided general project management and quality control for the cultural, paleontological, and ethnographic surveys, literature searches, and technical studies. This project involved the survey of over 90 miles of proposed new fiber-optic line between Barstow and Las Vegas, NV, and the management of over 100-cultural sites. Bureau of Land Management and Mojave National Preserve were the principal Federal agencies. (April 2012 – July 2013)
- **Digital West Fiber Line Feasibility Study, San Luis Obispo to Los Angeles, Counties of San Luis Obispo, Sanata Barbara, Ventura, and Los Angeles, CA.** Project Manager for this large feasibility study for placing a new fiber line down the US 101 freeway corridor. Biological, cultural, paleontological, and permitting constraints were all examined. (April 2012 – July 2013)
- **Digital 395 Broadband Stimulus Project, Praxis and California Broadband Corporation, California and Nevada.** Cultural Director. Dr. Bischoff acted as the California report manager of the cultural division, directed fieldwork, and authored management documents and reports. This project involved the new installation of over 650 miles of fiber-optic line across California and Nevada. The programmatic agreement of this complex project included 10 federal, state, and tribal agencies, with another seven acting as interested parties, and the management, evaluation, and monitoring of over 170 cultural sites. NTIAA was the Principal Federal Agency, but also involved twelve other California and Nevada State and Federal agencies and Tribal Groups (November 2011 – April 2012)

- **Fort Irwin Cell Tower Geotech Boring Monitoring, Northrop-Grumman and Fort Irwin Army Post, San Bernardino County, CA.** Principal. This project involves the cultural and paleo monitoring of sensitive areas as part of the construction of over 24 new cell tower locations. (October 2013 – October 2013)
- **Edwards Airforce Base Telecommunication Cultural Monitoring, Team Fischel Company, Edwards AFB, Kern County, CA.** Project Manager and Principal for the cultural monitoring of 40-miles of telecommunication trenching on Edwards AFB, including pre-construction meetings and a final monitoring report. (May 2013 – Sept. 2013)
- **Fort Irwin Cell Tower Surveys and Monitoring, Northrop-Grumman and Fort Irwin Army Post, San Bernardino County, CA.** Principal. This project involves the cultural and paleo survey of over 24 new cell tower locations and associated access roads on Fort Irwin, as well as construction phase monitoring. (April 2013 – October 2013)
- **Marine Corps Base, Camp Pendleton, Cultural Resources Consultation, Marine Corps Base, Pendleton, San Diego County, CA.** On-Call Senior Cultural Resources Consultant. Dr. Bischoff provided senior-level cultural resource consultation related to Camp Pendleton’s Basewide Utilities Infrastructure Improvements project. He provided consulting on cultural resource management for several waste treatment and utility line systems as part of the Camp’s “Grow the Force” initiative. (2011 – October 2013)
- **Pacoima Spreading Grounds Improvement Project, LACDPW, Los Angeles County, CA.** Cultural Principal. Dr. Bischoff managed the cultural resources record search and CEQA cultural section mitigation measures of an EIR for the improvement of the Pacoima spreading grounds and related canal resources. (April 2013 – October 2013)
- **Devil’s Gate Reservoir Sediment Removal and Management Project, LACDPW, Los Angeles County, CA.** Principal of Cultural Resources. This project involved removal of sediment within the Devil’s Gate Reservoir area, which required a preliminary cultural survey and record search under CEQA, as well as an EIR. Dr. Bischoff served as the cultural principal for the project and provided a recommended plan for dealing with sedimentary soils vs. native soils, monitoring criteria, and potential discovery situations. Dr. Bischoff helped write Environmental Impact Report sections, and worked with the Gabrieleno Tribal Group in the protection of archaeological and tribal cultural resources. (2011 – October 2013)
- **Peck Road Spreading Basin Improvement Project, LACDPW, Los Angeles County, CA.** Cultural Principal. Dr. Bischoff managed the cultural resources record searches, field survey, paleontological survey, and CEQA cultural section mitigation measures of an MND for the improvement of the Peck Road Spreading Basin, including a related new water discharge pipe. (June 2013 – September 2013)
- **Marina Del Rey Waterline Replacement Project Cultural Monitoring, LACDPW, Los Angeles County, CA.** Cultural Principal. This project with the Los Angeles Department of Public Works involved the cultural monitoring for the Marina Del Rey 18-inch Waterline Replacement. Chambers Group also provided a qualified archaeological monitor at the project site during excavation activities during construction. (March - May 2013)
- **Dieguito Wetlands Restoration Monitoring, Southern California Edison, Del Mar, San Diego County, CA.** Principal Investigator and Project Manager. This project involved the extensive rehabilitation of Southern California Edison property as part of the Dieguito Wetlands Restoration project. (April 2012 - January 2013)

- **Live Oaks Spreading Grounds Project, LACDPW, Los Angeles County, CA.** Cultural Principal. Dr. Bischoff managed the cultural resources record search and site visit for this public works project. (April 2013 – October 2013)
- **Los Penasquitos Wetlands Monitoring, AMEC, Del Mar, San Diego County, CA.** Principal Investigator. Dr. Bischoff managed the monitoring tasks, budgets, and professional standards for this project near the City of Del Mar as part of the Torrey Pines State Nature Reserve restoration. (October - December 2012)
- **San Gorgonio Creek Water Recharge Basin Construction Monitoring, Beaumont Cherry Valley Water District, Cherry Valley, Riverside County, CA.** Principal and Project Manager. This project involved paleontological and archaeological construction monitoring during construction, including emergency evaluation and monitoring when early 19th Century structures and materials were unexpectedly encountered during earth moving. (February 2012 – April 2012)
- **Penmar Golf Course Water Quality Improvement Project, Pacific Hydrotech and City of Santa Monica, Santa Monica, CA.** Principal Investigator. Dr. Bischoff managed QA/QC review, budgets, and professional standards for the project in the City of Venice. Penmar was a multi-year waterline and tank improvement project in which evidence of ethnic Japanese barrios and fossil Pleistocene animal bones were discovered. (November 2011 - November 2012)
- **Oxford Retention Basin Flood Protection Project, LACDPW, Los Angeles County, CA.** Principal and Project Manager. The Oxford Basin in Marina Del Rey was receiving enhancement, and Dr. Bischoff managed the completion of the cultural survey, literature review, and construction monitoring for the project. (2011 - 2012)
- **Veterans Administration, VISN 21 On-Call, Western States, Teamed with KAL Architectes.** This project will provide cultural and biological technical services for Veterans Administration projects from October 2013 to October 2018. (October 2013 – October 2013)
- **Historic Structure Evaluations for Statewide Weatherization Efforts, sub to ICF for the State of California, All Counties, CA.** Project Manager and Principal. This project involves meeting NEPA compliance for low-income subsidized weatherization efforts throughout the State of California. Hundreds of structures will be evaluated as part of this project by a Chambers Architectural Historian using a abbreviated format. (November 2011 to October 2013)
- **CEQA Services for Improvements to Polytechnic and Wilson High Schools, LBUSD, City of Long Beach, CA.** Cultural Principal. Dr. Bischoff provided oversight and incorporation of the historic architecture technical reports into the project CEQA documents. (June 2013 – August 2013)
- **Mill Creek Crew Room Cultural Monitoring, Angeles National Forest (ANF), Los Angeles County, CA.** The County of Los Angeles Department of Public Works proposed to replace the crew room building within the Angeles Forest Mill Creek Summit Maintenance Yard facility. This CEQA/NHPA project involved the preparation of a treatment and discovery plan document, ARPA permitting, constant consultation with the ANF, construction monitoring, and a final monitoring report. (April – July 2013)

- **Review of Technical Report and CEQA Documents Relating to the Proposed Demolition of Santa Ana Public Building #16, City of Santa Ana, Santa Ana, CA.** Principal. This project involved the review of technical documents, mitigation measures, and CEQA documents relating to the demolition of a 1950s public building in the City of Santa Ana. (May 2013 – July 2013)
- **Roosevelt School, LBUSD, City of Long Beach, CA.** Cultural Principal. Dr. Bischoff provided oversight, authorship, and counsel on the EIR for the demolition of the Roosevelt Elementary School in Long Beach. This proved to be a complex project, involving an historic built environment resource evaluation and mitigation plan, legal investigation, and extensive responses to public comments. This process resulted in a HABS/HAER mitigation project. (November 2011 - June 2012)
- **Foothill Toll Road Cultural and Paleontological Monitoring, Ghiradelli and Associates, Orange County, CA.** Principal and Project Manager for cultural monitoring related to the upgrade of all tollroad payment stations in Orange County. (October 2013 – October 2013)
- **9th Street Extension Historic Structure Inventory and Evaluation, City of Holtville, Imperial County, CA.** Principal and Project Manager. Dr. Bischoff managed and provided QA/QC for this project involving a Caltrans inventory of project APE historic built environment resources, and the historic evaluation of a canal feature. Final deliverables included a Historic Resources Evaluation Report and a Historic Property Survey Report to CALTRANS standards. (June 2013 – August 2013)
- **Francisquito Bridges Replacement (3-Total), LADWP/CALTRANS, Los Angeles County, CA.** Principal. Dr. Bischoff managed and oversaw the completion of this project in the Angeles Forest. This project involved the replacement of three existing bridges on San Francisquito Canyon Road over San Francisquito Canyon Creek. The proposed improvement project involved widening the two lane bridges, improvement of approachment roadway, and the placement and installation of retaining walls, concrete barriers with tubular-steel handrails, and metal beam guardrails. (2011 – September 2013)
- **Murrieta Whitewood Road Extension, City of Murrieta, Riverside County, CA.** Principal and Project Manager. This road extension project involved a cultural resource survey and records search, a paleontological field study, and native american Consultation due to the historic use of the nearby Murrieta Hot Springs by local Native Americans. (April – June 2012)
- **Nuevo Road/ I-215 Interchange Improvement in the City of Perris, CALTRANS, Riverside County, CA.** Principal. Dr. Bischoff managed and provided QA/QC for this project involving street widening and additional improvements at the Nuevo Road/ I-215 interchange. Final deliverables included a record search and a survey report to CALTRANS standards. (2011 – 2012)
- **Soledad Canyon Road Bridge Replacement Project, LACDPW, Los Angeles County, CA.** Principal. LADPW intends to replace a bridge on Soledad Canyon Road. Chambers Group completed a record search and NAHC records review for potential archaeological resources. This project is on-going and may in the future involve further work, including cultural and historic structure surveys and evaluation. (2011 – 2012)

- **Grove Lumber Facility Cultural and Paleontological Technical Studies, Thatcher Engineering, City of Perris, Riverside County, CA.** Principal for the cultural technical studies for this development project, including cultural and paleontological record searches, NAHC letters, and a cultural study (October 2013 – October 2013)
- **Newport Beach Yacht Club Evaluation, Community Development Department, City of Newport Beach, Orange County, CA.** Principal for this historic architecture project involving the built environment evaluation of the Newport Beach Yacht House. (October 2013 – October 2013)
- **Blossom Plaza Historic Structure Evaluation, China Town, City of Los Angeles, CA.** Principal for this historic architecture project involving the updating of technical reports and a standing structure evaluation. (July 2013 – September 2013)
- **Moreno Valley Residential Building Evaluation, City of Moreno Valley, Riverside, CA.** Principal for the architectural assessment of the J. Langdon Ranch located at 11761 Davis Street, in the city of Moreno Valley, Riverside County, California. (April 2013)
- **Indian Wells Tennis Court Development Project, Indian Wells, Riverside County, CA.** Principal Provided technical review of the planning documents cultural section, as well as oversaw Native American Heritage Commission communication for this project to enhance the Indian Wells Tennis Garden complex. (December 2012 – April 2013)
- **Scripps Hospital Paleontological and Archaeological Monitoring, Worley-Parsons, City of Encinitas, CA.** Principal Investigator. Dr. Bischoff managed QA/QC review, budgets, and professional standards for the cultural and paleontological monitoring of this large development project. (2011 - 2013)
- **Tehachapi Renewable Transmission Project (TRTP), Southern California Edison, Kern, Los Angeles, and San Bernardino Counties, CA.** Principal and Project Manager. Dr. Bischoff was responsible for all office and field operations that ensured the successful inventory and management of cultural resources related to this 300-mile transmission line project, including the management of standing historical structures and paleontological resources. He managed an annual budget in excess of \$4 million, a staff of up to 40 persons, wrote compliance documents (Programmatic Agreement Appendices, ARPA permits, Project Agency Yearly Reports, and Management Plans), and managed hazmat situations. Dr. Bischoff completed over 150 individual projects in southern California including survey, evaluation, mitigation, and resource monitoring. He wrote individual budgets for project-specific tasks, as well as construction-related administrative tasks, each with different scopes of work and budget amounts. He reconciled all budgets on a monthly basis and coordinated them with the master construction schedule. Dr. Bischoff managed field compliance with NEPA, with TRTP-specific environmental agency agreements, and with the cultural section of the project EIR/EIS and Programmatic Agreement. He also met legal and agency guidelines for Section 106 of NHPA, CEQA, NAGPRA, and TRTP Cultural Resource Management Plan. The Angeles National Forest was the lead Federal Agency, but the CPUC and other Federal and California State Agencies were also involved. (November 2009 - June 2011)

- **East Kern Wind Resource Area (EKWRA) Power Pole Replacement Project, Southern California Edison, Kern County, CA.** Principal and Project Manager. Dr. Bischoff managed original technical studies for a project designed to replace hundreds of power poles in the Tehachapi Mountains area in support of new wind farm construction. He conducted large area surveys, some on BLM properties, and developed a management plan for dozens of archaeological sites. Bureau of Land Management was the principal Federal agency. (February 2010 - June 2011)
- **San Jose Salt Barge HAER Documentation Project, USACE and Santa Clara Valley Water District, City of San Jose, CA.** Principal. Dr. Bischoff consulted on the excavation and evaluation of a shallow-water shipwreck discovered during a wetlands rehabilitation project. This project involved USACE, San Francisco District as lead agency and the Water District as client. (January – February 2011)
- **Operations and Maintenance Contract, Southern California Edison. Southern California.** I acted as the Principal for all work orders issued to our office under the O/M contract. A major task under this contract was the response to the Crown Fire in 2010. I worked directly with SCE during and immediately after the fire to evaluate and protect cultural resources. (Jan 2010 - June 2011)
- **Crown Fire Survey and Cultural Site Update, Southern California Edison, Los Angeles County, CA.** Project Manager. Dr. Bischoff led the cultural response to the Crown Fire, which included surveying and updating known cultural sites as part of the SCE post-fire power pole and access road inspection. (August – Sept. 2010)