

**CULTURAL RESOURCES SURVEY REPORT  
FOR THE  
NAVAJO ROAD PROJECT  
TOWN OF APPLE VALLEY, SAN BERNARDINO COUNTY,  
CALIFORNIA (APN 434-063-02-00)**

**Prepared for:**

Ms. Barbara Monroy  
BM Investment Co.  
400 N Mountain Ave #224  
Upland, CA 91786

**Submitted by:**

Laguna Mountain Environmental, Inc.  
7969 Engineer Road, Suite 208  
San Diego, CA 92111



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Andrew R. Pignolo, RPA

October 2019



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**Laguna Mountain Environmental, Inc.**

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**National Archaeological Data Base Information**

*Type of Study:* Cultural Resource Survey

*Sites:* None

*USGS Quadrangle:* Apple Valley South 7.5'

*Area:* Approximately 32 Acres

*Key Words:* Town of Apple Valley, Negative Survey, Navajo Road

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## ABSTRACT

Laguna Mountain Environmental, Inc. (Laguna Mountain) conducted an intensive archaeological survey of approximately 32 acres in the Town of Apple Valley for a proposed residential development. The archaeological investigation included a records search, literature review, examination of historic maps, and archaeological field survey of the property.

Cultural resource work was conducted in accordance with the California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The Town of Apple Valley will serve as lead agency for the project and CEQA compliance.

A records search covering the project area and a one-half mile radius was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton to provide data on previously recorded cultural resources in the area. The records search results indicate that the project area has not been previously surveyed and that no cultural resources have previously been recorded in the current project area or a half-mile radius of the project area. At least five cultural investigations have been documented within a half-mile radius of the project area. Two of these studies were for telecommunication routes, two involved residential development, and one was for the neighboring high school.

The survey was conducted on August 21, 2019 by Andrew R. Pignuolo. It included an intensive 10-15 m interval transect survey throughout the project area. The project area has been previously disturbed in part by what appears to have been brushing activity. Surface visibility within the area was excellent. Vegetation was limited, low, and dry and the ground surface was exposed between plants. Rodent backdirt and previous disturbance exposed other areas of soil. Survey visibility averaged approximately 90 percent. No major constraints to the survey were present. The cultural resources survey of the project adequately served to identify cultural resources.

The project area was partially disturbed with lines of bulldozer ripping or disking across the surface. Map and aerial photography data indicate the property has not been previously developed and that surface disturbance occurred as early as 1952, but recent clearing occurred since 2016. The area is on an alluvial plain that lacks lithic material and other resources to initiate prehistoric occupation.

The goal of the project was to identify resources that may be impacted by the project. The cultural resource survey did not identify any cultural resources within the project area. Impacts to cultural resources eligible for the California Register and significant under the CEQA are not anticipated.

The project area is partially covered with aeolian soils that could bury cultural resources. The Sacred Lands Search indicated there are potentially sensitive resources in the region. Archaeological and Native American monitoring is recommended during construction excavation to address the potential for buried cultural resources.

## **I. INTRODUCTION**

### **A. Project Location and Description**

The proposed action is a residential development on approximately 32 acres located within the Town of Apple Valley in southwestern San Bernardino County (Figure 1). The project is east of Interstate 15, south of Highway 18, and south of Bear Valley Road. Laguna Road is north of the project and Sandia Road is south of the project, which is on the west side of Navajo Road. The project includes a single parcel (APN 434-063-02-00). It is situated in the northeast quarter of Section 4 in Township 4 North, Range 3 West as shown on the Apple Valley South USGS 7.5' Quadrangle (Figure 2). No off-site improvements are planned in association with this project.

The current archaeological survey program was conducted pursuant to the California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The Town of Apple Valley will serve as lead agency for the project and CEQA compliance. CEQA requires local agencies to take into account the effect of projects on properties included, or eligible for inclusion, in the California Register of Historical Resources (California Register). The archaeological survey was conducted to determine if any cultural resources eligible for inclusion in the California Register will be affected by this project.

### **B. Project Personnel**

The cultural resource inventory was conducted by Laguna Mountain Environmental, Inc. (Laguna Mountain). Mr. Andrew R. Pigniolo served as Principal Investigator for the project. Mr. Pigniolo meets the Secretary of the Interior's standards for qualified archaeologists. Mr. Pigniolo has an MA degree in Anthropology from San Diego State University and has extensive experience in the southern California region. His resume is included as Appendix A.

Ms. Carol Serr conducted the records search, prepared the report graphics, and formatted the report. She has a B.A. in Anthropology from San Diego State University and more than 39 years of experience doing southern California archaeology.

### **C. Structure of the Report**

This report follows the State Historic Preservation Office's guidelines for Archaeological Resource Management Reports (ARMR). The report introduction provides a description of the project and associated personnel. Section II provides background on the project area and previous research. Section III describes the research design and survey methods, while Section IV describes the survey results. Section V provides a summary and recommendations.

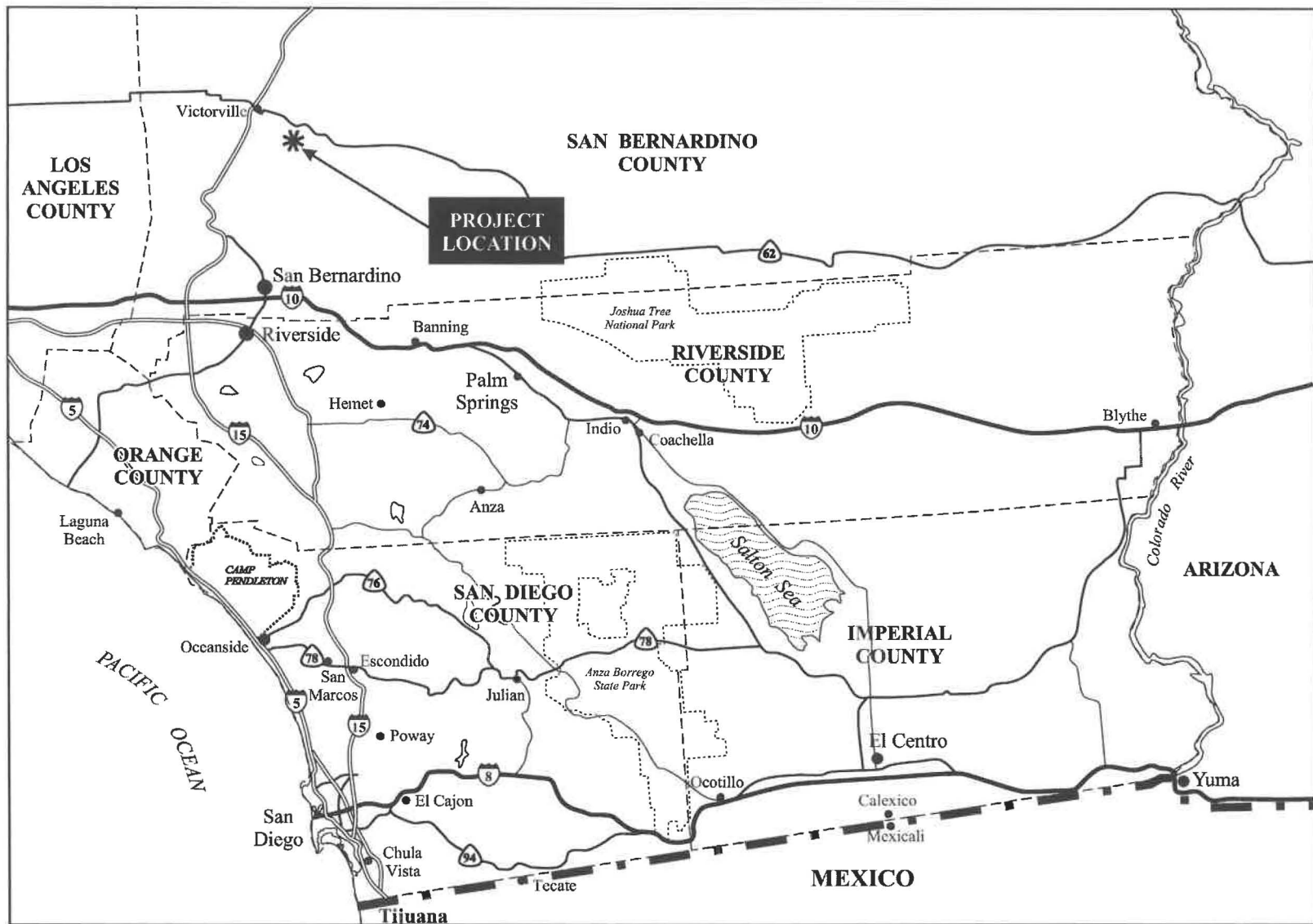
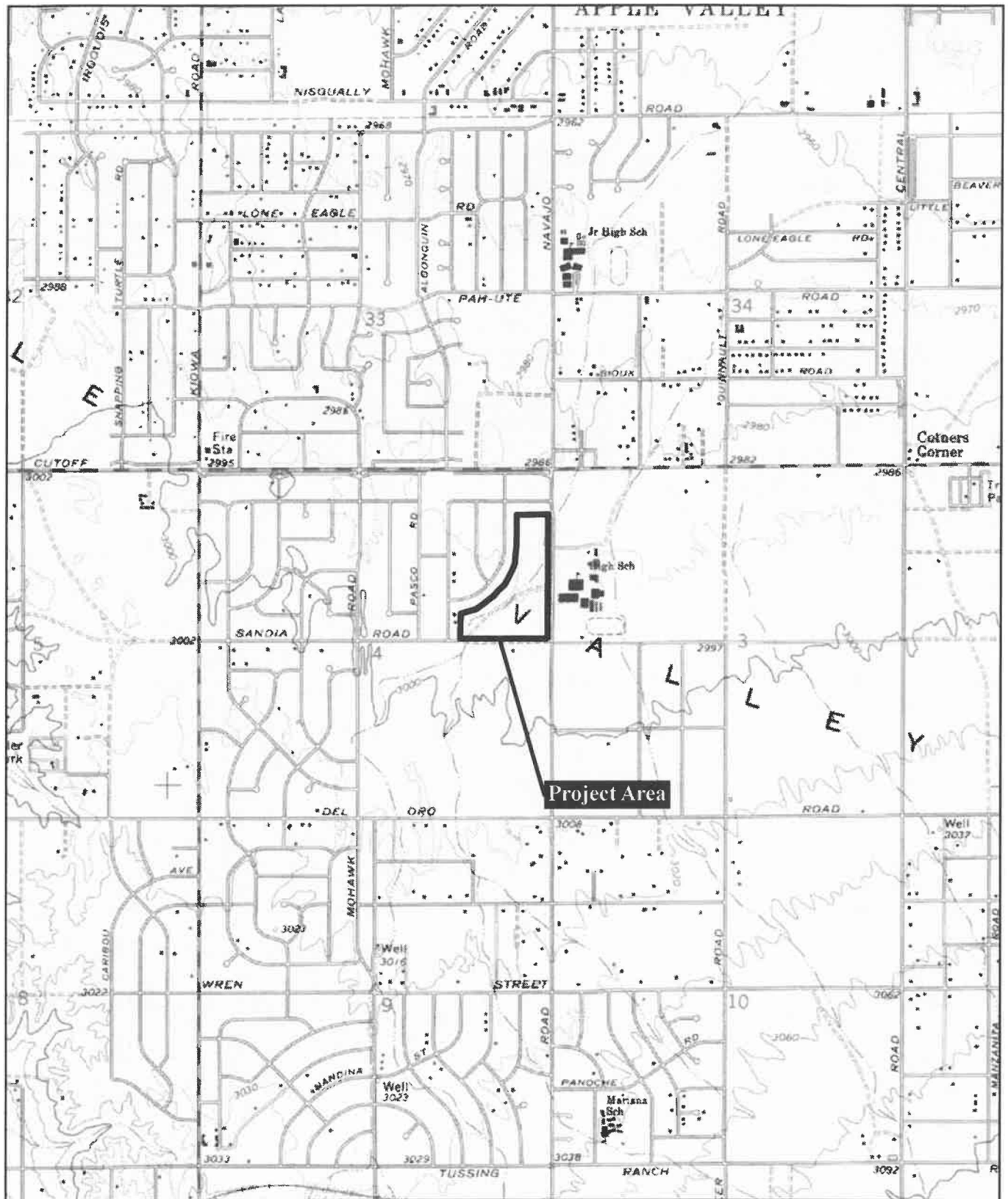


Figure 1  
Regional Location Map



Source: USGS 7.5' Apple Valley South Quadrangle

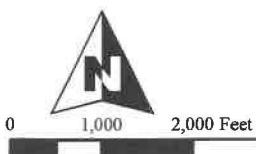


Figure 2  
Project Location



Laguna Mountain Environmental, Inc.

## II. NATURAL AND CULTURAL SETTING

The following environmental and cultural background provides a context for the cultural resource inventory.

### A. Natural Setting

The project area is located in the Town of Apple Valley in the southwestern portion of San Bernardino County within the Mojave Desert. It is on an elevated terrace east of the Mojave River. The elevation of the property is approximately 2,900 feet above mean sea level. The area consists of a flat, brushed parcel of land with a very ephemeral drainage diagonally bisecting it. The area surrounding the project includes residential development and a high school immediately to the east.

The landscape of the project area is largely a product of the region's geology. During the Mesozoic Era, a granitic batholith was formed inland from the southern California coastline. This batholith was uplifted during the Cenozoic and now forms the granitic rocks and outcrops of the Transverse Range south of the project area (Morton and Miller 2006).

The project area is underlain by alluvium derived from the Transverse Range to the south (Morton and Miller 2006). This alluvium is late Holocene to late Pleistocene in age (Morton and Miller 2006). The northwestern portion of the project area consists of young alluvial-fan deposits consisting of slightly consolidated silt and sand, that contains lenses and individual matrix-supported clasts generally less than 2 cm across (Morton and Miller 2006). This area represents a large area of coalesced fan material. The surface is smooth and undulating, showing only slight dissection in upper parts (Morton and Miller 2006).

The southwestern portion of the project area consists of young aeolian deposits (Morton and Miller 2006). These consist of silt and medium- to fine-grained sand. These deposits are thin and in places include patches of alluvial-fan deposits not completely covered by aeolian material (Morton and Miller 2006).

The soils in the project area are Bryman loamy fine sand and Helendale loamy sand (NRCS 2013). Bryman loamy fine sand covers the southern portion of the project area. It is made up of interfluvial fan remnants derived from granitic alluvium. Soil depth is as great as 90 inches (NRCS 2013). Helendale loamy sand is present in the northeastern corner of the project area (NRCS 2013). It is made up of fan remnants derived from granitic alluvium. Soil depth is as great as 70 inches (NRCS 2013).

The Mojave River is located more than 1.5 miles west of the project area and serves as the major water source for the region. Seasonal drainages such as the one passing through the project area probably provided short-term water to the area.

The climate of the region can generally be described as high desert, with cool wet winters and hot dry summers. Rainfall limits vegetation growth but Joshua Tree Woodland with bladder sage (*Salazaria mexicana*), boxthorn (*Lycium andersonii*, *L. cooperi*), desert sage (*Salvia dorrii*), and many species of wild buckwheat (*Eriogonum* sp.) was probably present within the project in the past. The area currently consists of disturbed vegetation with a few remnant shrubs.

Animal resources in the region probably included deer, fox, raccoon, skunk, mountain lion, bobcat, coyote, rabbit, and various rodent, reptile, and bird species. Small game, dominated by ground squirrels and rabbits, was probably relatively abundant in the past.

## **B. Cultural Setting**

### **Lake Mojave Period**

The earliest well documented prehistoric sites in the Mojave Desert region are identified as belonging to the Lake Mojave Period (Warren 1984, Warren and Crabtree 1986, and Hall 2000). The Lake Mojave period is thought to have occurred between 12,000 years ago, or earlier, and 7,000 years ago in this region. The period is seen as a hunting focused economy characterized by Western Stem Tradition projectile points, crescents, and limited use of seed grinding technology. The economy is generally seen to focus on highly ranked resources such as large mammals and relatively high mobility that may be related to following large game. Archaeological evidence associated with this period has been found around dry lakes.

### **Pinto Period**

Native Americans during the Pinto Period had a more generalized economic focus on hunting and gathering with an increased reliance on groundstone technology. This period extended from approximately 7,000 to 4,000 years ago and is characterized by split stemmed dart points; "Pinto Points." Sites are often found near older water resources.

### **Gypsum Period**

The Gypsum/Newberry Period varies in accepted date ranges but most likely fits the period between 4,000 and 1,500 years ago. Characteristic projectile points from this period are Elko and Gypsum dart points. Populations are more widespread and intensification in terms of groundstone use and rock art are noted.

### **Saratoga Period**

The Saratoga Period is characterized by Rose Spring and Eastgate projectile points that represent the transition to bow and arrow technology. The period extended from approximately 1,500 to 800 years before present. Continuing intensification of plant food use is seen in the assemblages.



### **Tecopa Period**

The Tecopa or Protohistoric Period extends from approximately 800 years before present to European contact. Arrow points include Cottonwood Triangular and Desert Side-notched styles. Brownware and Buffware ceramics were also used. These people relied heavily upon gathered plant foods for their diet, and the occupation of diverse ecological habitats.

The Serrano who inhabited the San Bernardino Mountain region of southern California are the direct descendants of the early Shoshonian-speaking hunter-gatherers. Serrano territory encompassed a large and diverse environment which included foothill, mountain, and desert resource zones.

### **Ethnohistoric Period**

The Ethnohistoric period refers to a brief period when Native American culture was initially being affected by Euroamerican culture and historical records on Native American activities were limited. When the Spanish colonists began to settle California, the project area was within the territory of a loosely integrated cultural group historically known as the Serrano. The Serrano, like their neighbors the Cahuilla and Gabrielino, are a subgroup of the Takic family of the Uto-Aztecan stock. As such, the Serrano traditionally shared many of the subsistence, social, economic, religious, and other cultural characteristics described for those groups. Many of the differences between the Serrano and the other three groups are attributed to their geographic focus on the San Bernardino Mountains and portions of the Mohave Desert.

The name "Serrano" is derived from a Spanish term meaning "mountaineer," and was applied by the Spanish in the late 1700s to Indians living in mountainous areas and not already named after a particular mission. The term has not only been applied to the Serrano proper but also to the Kitanemuk, probably the Vanyume, and possibly the Tataviam (Bean and Smith 1978:570). Francis Johnston described related groups of the Serrano proper slightly differently, including the Vanyume along the Mohave River and the Kitanemuk on the upper Tejon and Paso Creeks near the Tahachapis and into the western portion of the Mohave Desert, but also the extinct Alliklik on the upper Santa Clara River (Johnston 1965:1). European contact introduced disease that dramatically reduced the Native American population and helped to break down cultural institutions. The transition to a largely Euroamerican lifestyle occurred relatively rapidly in the nineteenth century.

### **Historic Period**

Cultural activities within western San Bernardino County between the late 1700s and the present provide a record of Native American, Spanish, Mexican, and American control, occupation, and land use. An abbreviated history of the region is presented for the purpose of providing a background on the presence, chronological significance, and historical relationship of cultural resources within the County.

Native American control of the southern California region ended in the political views of western nations with Spanish colonization of the area beginning in 1769. De facto Native American control of the majority of the population of California did not end until several decades later. In southern

California Euroamerican control was firmly established by the end of the Garra uprising in the early 1850s (Phillips 1975).

The Spanish Period (1769-1821) represents a period of Euroamerican exploration and settlement. Dual military and religious contingents established the San Diego Presidio and the San Diego, San Gabriel, and San Luis Rey Missions. The Mission system used Native Americans to build a footing for greater European settlement. The Mission system also introduced horses, cattle, other agricultural goods and implements; and provided construction methods and new architectural styles. The cultural and institutional systems established by the Spanish continued beyond the year 1821, when California came under Mexican rule.

The Mexican Period (1821-1848) includes the retention of many Spanish institutions and laws. The mission system was secularized in 1834 which dispossessed many Native Americans and increased Mexican settlement. After secularization, large tracts of land were granted to individuals and families and the rancho system was established. Cattle ranching dominated other agricultural activities and the development of the hide and tallow trade with the United States increased during the early part of this period. The Pueblos of Los Angeles and San Diego were established during this period and Native American influence and control greatly declined. The Mexican Period ended when Mexico ceded California to the United States after the Mexican-American War of 1846-48.

Soon after American control was established (1848-present) gold was discovered in California. The tremendous influx of American and Europeans that resulted, quickly drowned out much of the Spanish and Mexican cultural influences and eliminated the last vestiges of de facto Native American control. Few Mexican ranchos remained intact because of land claim disputes and the homestead system increased American settlement beyond the coastal plain.

### **C. Prior Research**

The archaeological inventory includes archival and other background studies conducted prior to performing the field survey of the project. The archival research consisted of a literature and records search at the regional archaeological repository. This information was used to identify previous studies associated with the property and previously recorded resources. A one-half mile radius of the project was reviewed in the record search to determine the types of resources that might occur in the survey vicinity.

The records and literature search for the project was conducted at the South Central Coastal Information Center (SCCIC) at California State University, Fullerton (Appendix B). The records search results indicate that the current project area has not been previously surveyed and no cultural resources have previously been recorded within the parcel. At least five cultural investigations have been documented within a half-mile radius of the project area and these are summarized in Table 1.



**Table 1. Archaeological Investigations within One-half Mile of the Project Area**

| <b>Author(s)</b>    | <b>Report Title</b>  | <b>Year</b> |
|---------------------|--|-------------|
| Billat              | Apple Valley High School; LA3308A  | 2011        |
| Budy                | Final Report: Cultural Resource Inventory and Evaluation for Proposed Williams Telecommunication Company's Fiber Optic Cable Right-of-Away, California-Nevada State Line to Etiwanda | 1986        |
| Sander              | Cultural and Paleontological Resources Inventory of 135 Acres, GPA/ZC Number 2005-006, Apple Valley, San Bernardino County   | 2005        |
| Sander              | Cultural Resource Inventory of 80 Acres: Assessor Parcel Numbers 434-063-05, 434-063-04, 434-063-03, 434-064-05, 434-064-10 Apple Valley, San Bernardino County                      | 2006        |
| Winslow and Andrews | Class III Inventory for the Granite Wind Energy Telecommunication Lines Granite Mountain, Gentie Line and Jasper Substation Interconnection Projects, San Bernardino County          | 2013        |

Historic research included an examination of a variety of resources. The current listings of the National Register of Historic Places were checked through the National Register of Historic Places website. The California Inventory of Historic Resources (State of California 1976) and the California Historical Landmarks (State of California 1992) were also checked for historic resources.

Copies of historic maps and aerial photographs were also examined to supplement the historic research. The 1952 aerial photograph shows the area as disturbed by brushing. No structures or development is indicated on the historic maps or aerial photography.

#### **D. Native American Consultation**

State law identifies Native American consultation and participation as an important aspect of the cultural resource evaluation process. A Sacred Lands Search was initially conducted on August 22, 2019. The results of the Sacred Lands Search were provided on September 19, 2019 (Appendix C). They indicate a positive result, indicating that Sacred Lands are in the project vicinity. They recommended consultation with the Chemehuevi Indian Reservations for more information. Initial contact letters requesting information on the project area were sent to the Chemehuevi Indian Reservation and other potentially interested parties (Appendix C). As of this writing, response from the San Fernando Band of Mission Indians and San Manuel Band of Mission Indians have been received.

### **III. RESEARCH DESIGN AND METHODS**

#### **A. Survey Research Design**

The goal of the project was to identify any cultural resources that might be affected by the proposed project. To accomplish this goal, background information was examined and assessed, and a field survey was conducted to identify cultural remains. Based on the records search and historic map check, cultural resources within the project area were most likely to be prehistoric. The current field survey was conducted to identify any unrecorded resources within the project area.

#### **B. Survey Methods**

The records search conducted at SCCIC provided access to recorded resources and reports for the project area and a one-half mile radius of the project, along with historic research.

The survey was conducted on August 21, 2019 by Andrew R. Pignuolo. It included an intensive 10-15 m interval transect survey throughout the project area. The project area has been previously disturbed in part by what appears to have been brushing activity. Surface visibility within the area was excellent. Vegetation was limited, low, and dry and the ground surface was exposed between plants. Rodent backdirt and previous disturbance exposed other areas of soil. Survey visibility averaged approximately 90 percent. No major constraints to the survey were present. The cultural resources survey of the project adequately served to identify cultural resources.

## **IV. SURVEY RESULTS**

The project area has been partially disturbed in the past. Lines of bulldozer ripping or disking were present across the surface. Map and aerial photography data indicate the property has not been previously developed, but that surface disturbance occurred as early as 1952. More recent clearing evident during the survey occurred since 2016. The property showed no evidence of historic use. Recent use indicated by informal dirt vehicle tracks and a small amount of refuse dumping were evident along with recent sparsely scattered refuse.

The project area is on a relatively flat alluvial plain with no outstanding natural resources to attract prehistoric and historic settlement and use. No bedrock was present and most of the rock fragments were small well-rounded granitic gravels consistent with the alluvial and aeolian nature of the area. No cultural resources were identified within the project area.

## **V. SUMMARY AND RECOMMENDATIONS**

The goal of the project was to identify resources that may be impacted by the project. The cultural resource survey did not identify any cultural resources within the project area. Impacts to cultural resources eligible for the California Register and significant under the CEQA are not anticipated.

The project area is partially covered with aeolian soils that could bury cultural resources. The Sacred Lands Search indicated there are potentially sensitive resources in the region. Archaeological and Native American monitoring is recommended during construction excavation to address the potential for buried cultural resources.

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## VI. REFERENCES

- Bean, Lowell J., and Charles R. Smith  
1978 Serrano. In *California*, edited by Robert F. Heizer, pp. 570-574. Handbook of North American Indians, Vol. 8. Smithsonian Institution, Washington D. C.
- Hall, M. C.  
2000 *Archaeological Survey of 2472 Acres in Adjacent Portions of Lava, Lead Mountain, and Cleghorn Pass Training Areas, Marine Corps Air Ground Combat Center, Twentynine Palms, California* (Volume I). Report prepared by the Archaeological Research Unit, University of California, Riverside, for the United States Marine Corps Natural Resources and Environmental Affairs Division.
- Johnston, Francis J.  
1965 *The Serrano Indians of Southern California*. Malki Museum Press, Banning.
- Kroeber, Alfred L.  
1925 *Handbook of the Indians of California*. Bulletin No. 78, Bureau of American Ethnology, Smithsonian Institute, Washington, D.C.
- Moratto, Michael J.  
1984 *California Archaeology*. Academic Press.
- Morton, Douglas M., and Fred K. Miller  
2006 *Geologic Map of the San Bernardino and Santa Ana 30' x 60' Quadrangles, California*. U. S. Geological Survey.
- Natural Resource Conservation Service (NRCS)  
2013 Web Soil Survey. <http://websoilsurvey.nrcs.usda.gov/>
- Warren, Claude N.  
1984 The Desert Region. In *California Archaeology*, edited by M.J. Moratto, pp. 339-430. Academic Press.
- Warren, Claude N., and Robert H. Crabtree  
1986 Prehistory of the Southwestern Area. In *Great Basin*, edited by W.L. D'Azevedo, pp. 183-193. Handbook of North American Indians, Vol. 11. Smithsonian Institution, Washington, D.C.

## **APPENDICES**

- A. Resume of Principal Investigator
- B. Records Search Confirmation
- C. Native American Correspondence

**APPENDIX A**  
**RESUME OF PRINCIPAL INVESTIGATOR**

## **ANDREW R. PIGNIOLO, M.A., RPA**

**Principal Archaeologist**

**Laguna Mountain Environmental, Inc.**

### **Education**

San Diego State University, Master of Arts, Anthropology, 1992

San Diego State University, Bachelor of Arts, Anthropology, 1985

### **Professional Experience**

|              |   |
|--------------|---|
| 2002-Present | Principal Archaeologist/President, Laguna Mountain Environmental, Inc., San Diego   |
| 1997-2002    | Senior Archaeologist, Tierra Environmental Services, San Diego  |
| 1994-1997    | Senior Archaeologist, KEA Environmental, Inc., San Diego  |
| 1985-1994    | Project Archaeologist/Senior Archaeologist, Ogden Environmental and Energy Services, San Diego                                |
| 1982-1985    | Reports Archivist, Cultural Resource Management Center (now the South Coastal Information Center), San Diego State University |
| 1980-1985    | Archaeological Consultant, San Diego, California  |

### **Professional Affiliations**

Register of Professional Archaeologists (RPA), 1992-present

Qualified Archaeology Consultant, San Diego County

Qualified Archaeology Consultant, City of San Diego

Qualified Archaeology Consultant, City of Chula Vista

Qualified Archaeology Consultant, Riverside County

Society for American Archaeology

Society for California Archaeology

Pacific Coast Archaeological Society

San Diego County Archaeological Society

### **Qualifications**

Mr. Andrew Pignuolo is a certified archaeology consultant for the County and City of San Diego. Mr. Pignuolo has more than 38 years of experience as an archaeologist, and has conducted more than 800 projects throughout southern California and western Arizona. His archaeological investigations have been conducted for a wide variety of development and resource management projects including water resource facilities, energy utilities, commercial and residential developments, military installations, transportation projects, and projects involving Indian Reservation lands. Mr. Pignuolo has conducted the complete range of technical studies including archaeological overviews and management plans, ethnographic studies, archaeological surveys, test excavations, historical research, evaluations of significance under CEQA and Section 106, data recovery programs, and monitoring projects. He has received 40 hour HAZWOPPER training and holds an active card for hazardous material work.



## **REPRESENTATIVE PROJECTS**

**Proposed SDG&E Sunrise Powerlink Project, San Diego to Imperial Valley, California** (*San Diego Gas and Electric*). Mr. Pigniolo served as the Principal Investigator and archaeological monitor for this project whose purpose is the installation of a new transmission line corridor running from San Diego to Imperial Valley. This phase of the project included the preliminary reporting of any cultural resources observed during field visits to the proposed impact areas. Mr. Pigniolo recorded sites encountered during monitoring, and collected GPS points and photographs of the sites for future review. Mr. Pigniolo also conducted the cultural resources portion of the environmental training for this project.

**Princess Street Monitoring and Data Recovery Project at the Spindrift Site** (*City of San Diego*). Mr. Pigniolo served as a Principal Investigator of an archaeological monitoring and data recovery program at the Spindrift Site in the community of La Jolla. The effort was initially to provide archaeological monitoring of a utility undergrounding project. The presence of the major prehistoric village site within the project alignment quickly became evident prior to construction monitoring and a data recovery plan was prepared prior to the start of work. Data recovery included the excavation of 25 controlled units and the water screening of 100 percent of the archaeological site material impacted during trenching. More than 40 fragmented human burials were encountered. Working with Native American monitors and representatives, the remains were repatriated.

**Cultural Resource Survey, Geotechnical Monitoring, and Testing for the La Jolla View Reservoir Project, La Jolla, City of San Diego, California** (*IEC*). Mr. Pigniolo served as Principal Investigator and conducted an archaeological survey on an approximately 15-acre study area, in the La Jolla Natural Park area on Mount Soledad above La. In addition to the field survey, geotechnical work was monitored by an archaeologist and Native American monitor. One small prehistoric cobble procurement site (CA-SDI-20843) was tested to determine site significance. Due to surface visibility constraints from dense vegetation, monitoring by an archaeological and a Native American monitor during construction excavation and grading was recommended to ensure sensitive features not identified during the survey are not present or impacted by the project.

**City of San Diego Sever Group 783 Project, San Diego, California** (*Orion Construction Company*.) Mr. Pigniolo was the Principal Investigator for an archaeological monitoring project for a sewer line replacement in the eastern portion of the City of San Diego. The project included archaeological construction monitoring in an urban environment.

**Cultural Resource Monitoring and Treatment of CA-SDI-20861 for the 1941-1945 Columbia Street Project, City of San Diego, California** (*Jeff Svitak Inc.*) Mr. Pigniolo served as Principal Investigator of an archival research and an archaeological and Native American monitoring program of building demolition and construction excavation for a multi-family dwelling in the Little Italy community of the City of San Diego. The project consisted of archaeological and historical research prior to fieldwork, archaeological monitoring of foundation removal and construction excavation, and the recovery and analysis of historic artifacts discovered during monitoring. Site CA-SDI-20861 was treated as a significant cultural resource and the recovery and analysis of the cultural material served as mitigation for the project impacts to the site.

**Cultural Resource Salvage and Monitoring within a Portion of CA-SDI-39/17372 at 1891 Viking Way, La Jolla, City of San Diego, California** (*Ayers General Contracting, Inc.*)

Mr. Pignuolo served as Principal Investigator of an archaeological salvage and documentation program in addition to construction monitoring for the residence located at 1891 Viking Way, in the La Jolla. The project included the demolition and replacement of an existing retaining wall, and the replacement of additional yard hardscape. The City of San Diego archaeologist determined that construction work was occurring within site CA-SDI-39 and required work to stop and a treatment plan to partially mitigate impacts to the site be prepared. The project included a salvage effort to partially mitigate impacts to this portion of the site, through documentation and artifact recovery and to recover any impacted human remains as part of mitigation. Three phases of treatment were conducted including a 100 percent recovery program for human remains and associated grave goods and monitoring of final construction disturbance and backfilling.

**Muller Residence Archaeological Survey, Testing, and Evaluation, Carmel Valley, City of San Diego, California** (*Mr. Rolf Muller*)

Mr. Pignuolo served as Principal Investigator and Project Manager of a cultural resource survey and testing and evaluation program of a residential parcel proposed for development. The survey indicated the presence of a portion of a prehistoric shell midden within the project area. The testing program indicated a deeply buried archaeological deposit with a high level of integrity. Impact avoidance through redesign was recommended under City of San Diego Historical Resources Guidelines.

**Cultural Resource Monitoring for The San Diego County Administration Center Waterfront Park Project, San Diego, California** (*McCarthy Building Companies, Inc.*)

Mr. Pignuolo served as Principal Investigator of a cultural resource monitoring program for the Water Front Park Project at the San Diego County Administration Building in the City of San Diego. The monitoring program included excavation near the dredge fill/native ground contact. Historic maps indicated that the entire project area was located on man-made land created from bay dredge spoils. The monitoring program identified a small historic-age boat that probably sank in the bayfront prior to filling of the area. Based on the current County guidelines, this resource qualifies as significant for its information potential and has been treated as such. The boat was documented and avoided, and left in place.

**13<sup>th</sup> and C Streets Evaluation Project, City of San Diego, California** (*WM Builders*)

Mr. Pignuolo served as Principal Investigator of a archaeological/historical resource assessment for a commercial development project in the City of San Diego. The project area is in the downtown portion of San Diego. A records search, literature review, examination of historic maps, records, and city directories was used to assess the potential for buried historic resources within the project area. Potential buried historic resource locations were identified and a testing plan was developed.

**U. S. Army Yuma Proving Ground (YPG) Native American Consultation Plan, Yuma, Arizona** (*Yuma Proving Ground*). Mr. Pignuolo served as principal author of a Native American consultation plan for YPG to provide guidance and information to U.S. Army commanders and Army resource managers at YPG for consultation with Native American groups. Consultation was conducted in a manner that is consistent with federal laws and regulations that mandate consultation and the consultation plan was designed to ensure the participation of Native American groups early in the planning process.

**All American 105 Race Project, West Mesa, Imperial County, California (*Legacy 106, Inc.*).**

Mr. Pigniolo served as Principal Investigator, report author, and crew chief for an archaeological survey for a proposed off-road vehicle race course in the West Mesa area of Imperial County. The survey covered Bureau of Land Management (BLM) lands and included close coordination with BLM staff. The survey included a proposed 7.5 mile course with a very short time-frame. The goal was project alignment adjustment and realignment to avoid resource impacts where possible. A variety of prehistoric cultural resources including 10 sites and seven isolates were encountered. Human remains were identified and avoided. The race route was realigned to avoid significant resource impacts allowing the race to proceed on schedule.

**Alpine Fire Safe Council Brush Management Monitoring Project, Alpine Region, San Diego County, California (*Alpine Fire Safe Council*)** Mr. Pigniolo served as Principal Investigator for a cultural resources monitoring and protection program on four project areas surrounding Alpine. Cultural resources identified during previous surveys within the vegetation treatment areas were flagged for avoidance. The project included hand clearing and chaparral mastication near residential structures to create a fire buffer zone. Vegetation removal was monitored to ensure cultural resources obscured by heavy vegetation were not impacted by the project and that all recorded cultural resources were avoided. The Bureau of Land Management served as Lead Agency for the project.

**APPENDIX B**  
**RECORDS SEARCH CONFIRMATION**

**APPENDIX C**  
**NATIVE AMERICAN CORRESPONDENCE**



Laguna Mountain Environmental, Inc.

August 22, 2019

Native American Heritage Commission  
1550 Harbor Blvd, Suite 100  
West Sacramento, CA 95691

**Subject: Navajo Road Survey Project, Apple Valley, California (#1928)**

Dear Chairperson,

Laguna Mountain Environmental is conducting an archaeological survey located in the southwestern portion of San Bernardino County, in the town of Apple Valley. The project involves the construction of a residential development.

The project area is 32 acres, located on an unaddressed vacant parcel (APN 434-063-02) at the northwest corner of the intersection of Navajo Road and Sandia Road, east of Interstate 15 and south of Highway 18. The project area is shown on the Apple Valley South 7.5' USGS quadrangle, in the northeast quarter of Section 4 in Township 4 North and Range 3 West (see attached figure).

We respectfully request any information and input that you may have regarding Native American concerns either directly or indirectly associated with this project area. We would also appreciate a current list of appropriate Native American contacts for the area in order to elicit local concerns. If you or your files have any information about cultural resources or traditional cultural properties located on or near the project site, please contact me. If I can provide any additional information, please contact me immediately at (858) 505-8164. Thank you for your assistance.

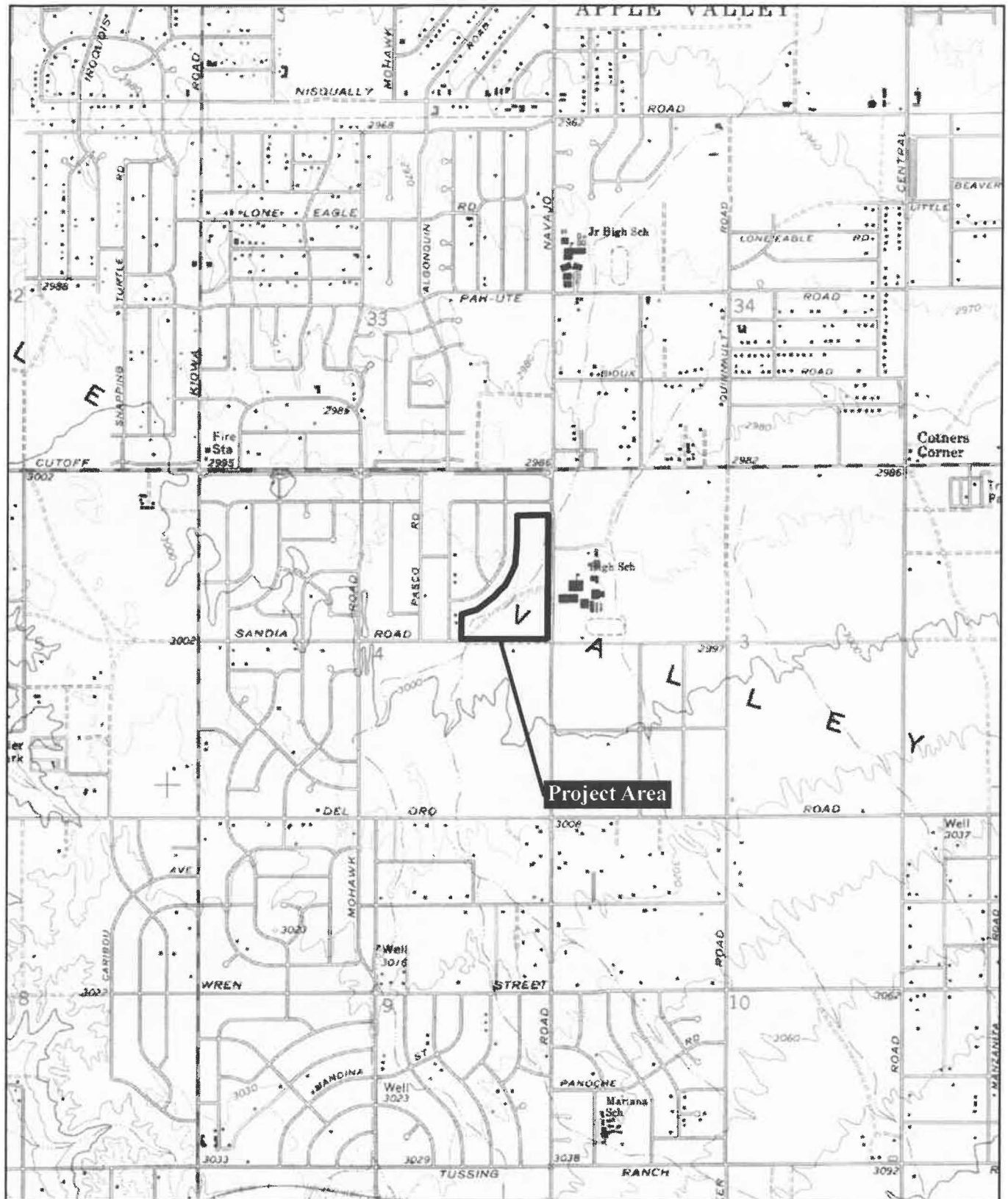
Sincerely,

Andrew Pignolo, M.A., RPA  
Principal Archaeologist

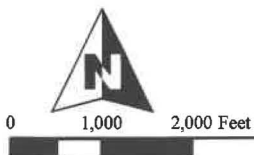
**Attachments:**

Project Location map

Sacred Lands File & Native American Contacts List Request Form



Source: USGS 7.5' Apple Valley South Quadrangle



## Project Location



Laguna Mountain Environmental, Inc.

## Sacred Lands File & Native American Contacts List Request

### NATIVE AMERICAN HERITAGE COMMISSION

1550 Harbor Blvd, Suite 100  
West Sacramento, CA 95501  
(916) 373-3710  
(916) 373-5471 – Fax  
[nahc@nahc.ca.gov](mailto:nahc@nahc.ca.gov)

*Information Below is Required for a Sacred Lands File Search*

Project: Navajo Road Survey  
County: San Bernardino

USGS Quadrangle  
Name: Apple Valley South  
Township: 4 N Range: 3 W Section(s): 4

Company/Firm/Agency:  
Laguna Mountain Environmental  
Contact Person: Andrew Pignuolo  
Street Address: 7969 Engineer Road, Suite 208  
City: San Diego Zip: 92111  
Phone: (858) 505-8164 Extension: 109  
Fax: (858) 505-9658  
Email: Laguna@LagunaEnv.com

#### Project Description:

The project involves the construction of a residential development.

☒ Project Location Map is attached



NATIVE AMERICAN HERITAGE COMMISSION  
Cultural and Environmental Department  
1550 Harbor Blvd., Suite 100  
West Sacramento, CA 95691  
Phone: (916) 373-3710  
Email: [nahc@nahc.ca.gov](mailto:nahc@nahc.ca.gov)  
Website: <http://www.nahc.ca.gov>  
Twitter: @CA\_NAHC



September 19, 2019

Andrew Pigniole  
Laguna Mountain Environmental

VIA Email to: [laguna@lagunaenv.com](mailto:laguna@lagunaenv.com)

RE: Navajo Road Survey Project, San Bernardino County

Dear Mr. Pigniole:

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information you have submitted for the above referenced project. The results were positive. Please contact the Chemehuevi Indian Reservation on the attached list for more information. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated; if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information. If you have any questions or need additional information, please contact me at my email address: [steven.quinn@nahc.ca.gov](mailto:steven.quinn@nahc.ca.gov).

Sincerely,

A handwritten signature in black ink that reads "Steven Quinn".

Steven Quinn  
Associate Governmental Program Analyst

Attachment

**Native American Heritage Commission  
Native American Contact List  
San Bernardino County  
9/19/2019**

***Chemehuevi Indian Reservation***

Charles Wood, Chairperson  
P.O. Box 1976 1990 Palo Verde Drive Chemehuevi  
Havas Lake, CA, 92363  
Phone: (760) 858 - 4219  
Fax: (760) 858-5400  
chairman@cit-nsn.gov

***Morongo Band of Mission Indians***

Robert Martin, Chairperson  
12700 Pumarra Road Cahuilla  
Banning, CA, 92220 Serrano  
Phone: (951) 849 - 8807  
Fax: (951) 922-8146  
dtorres@morongo-nsn.gov

***Morongo Band of Mission Indians***

Denisa Torres, Cultural Resources Manager  
12700 Pumarra Road Cahuilla  
Banning, CA, 92220 Serrano  
Phone: (951) 849 - 8807  
Fax: (951) 922-8146  
dtorres@morongo-nsn.gov

***San Fernando Band of Mission Indians***

Donna Yocum, Chairperson  
P.O. Box 221838 Kitanemuk  
Newhall, CA, 91322 Vanyume  
Phone: (503) 539 - 0933 Tataviam  
Fax: (503) 574-3308  
ddyocum@comcast.net

***San Manuel Band of Mission Indians***

Lee Clauss, Director of Cultural Resources  
26569 Community Center Drive Serrano  
Highland, CA, 92346  
Phone: (909) 864 - 8933  
Fax: (909) 864-3370  
lclauss@sanmanuel-nsn.gov

***Serrano Nation of Mission Indians***

Mark Cochrane, Co-Chairperson  
P. O. Box 343 Serrano  
Patton, CA, 92369  
Phone: (909) 528 - 9032  
serranonation1@gmail.com

***Serrano Nation of Mission Indians***

Wayne Walker, Co-Chairperson  
P. O. Box 343 Serrano  
Patton, CA, 92369  
Phone: (253) 370 - 0167  
serranonation1@gmail.com

This list is current only as of the date of this document. 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 Americans with regard to cultural resources assessment for the proposed Navajo Road Survey Project, San Bernardino County.



Laguna Mountain Environmental, Inc.

September 19, 2019

Charles Wood, Chairperson  
Chemehuevi Indian Reservation

**Subject: Navajo Road Survey Project, Apple Valley, California**

Dear Chairperson Wood,

Laguna Mountain Environmental has conducted an archaeological survey within the southwestern portion of San Bernardino County, in the town of Apple Valley. The project involves the construction of a residential development. Cultural resource work was conducted in accordance with California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The town of Apple Valley will serve as the lead agency for CEQA compliance.

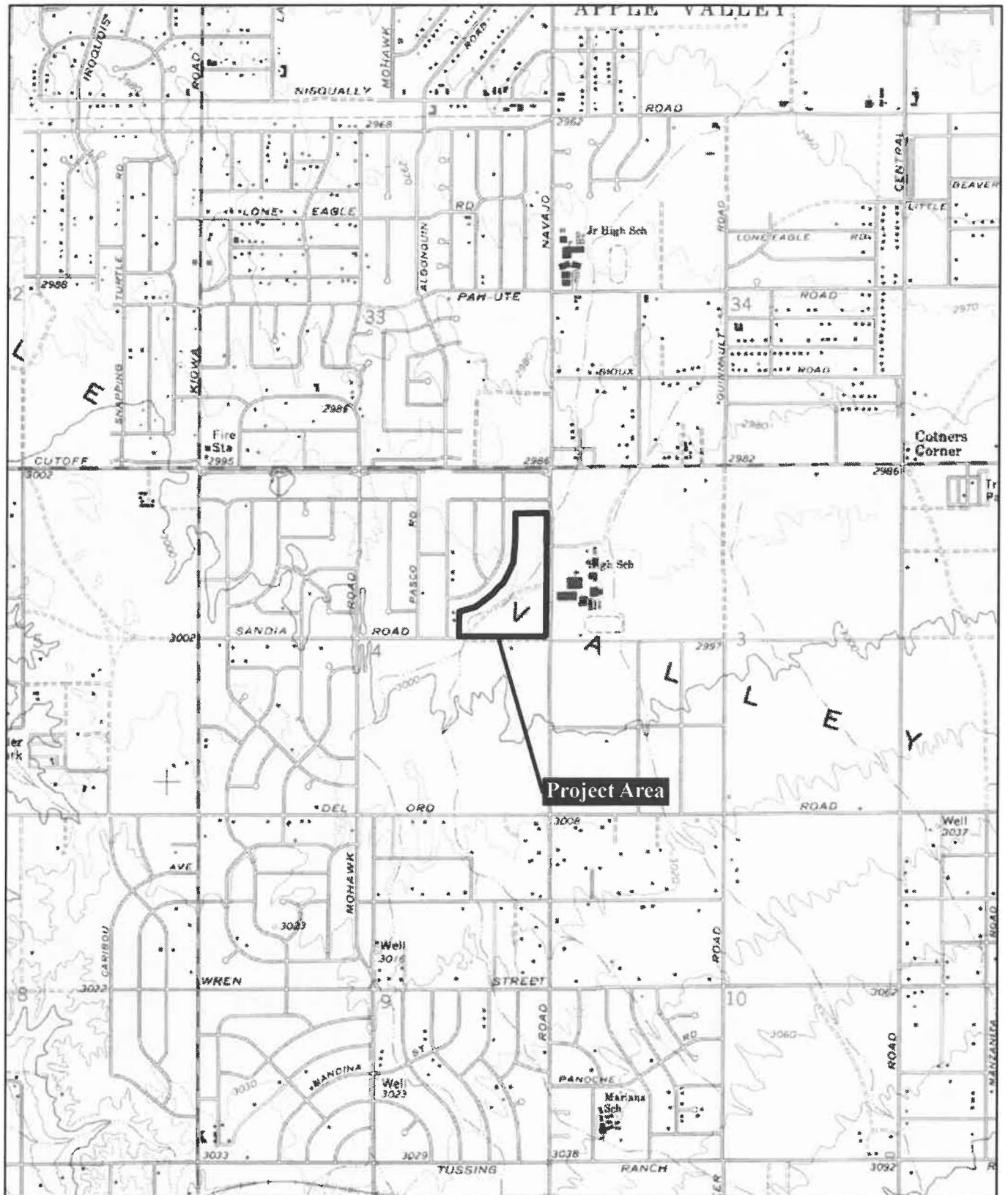
The project area is 32 acres, located on an unaddressed vacant parcel (APN 434-063-02) at the northwest corner of the intersection of Navajo Road and Sandia Road, east of Interstate 15 and south of Highway 18. The project area is shown on the Apple Valley South 7.5' USGS quadrangle, in the northeast quarter of Section 4 in Township 4 North and Range 3 West (see attached figure).

The Native American Heritage Commission's record search of the Sacred Lands File indicated the presence of Native American cultural resources within 1-mile of the project area. We respectfully request any comments and input that you are willing to share regarding Native American concerns either directly or indirectly associated with this project area. If you, or your files, have any information about cultural resources or traditional cultural properties located on or near the project site that you would like to inform us about, please contact me. If I can provide any additional information, please contact me immediately at (858) 505-8164. Thank you for your assistance.

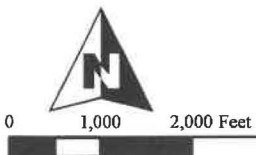
Sincerely,

Andrew Pignolo, M.A., RPA  
Principal Archaeologist

Attachment:  
Project Location map



Source: USGS 7.5' Apple Valley South Quadrangle



## Project Location



Laguna Mountain Environmental, Inc.



Laguna Mountain Environmental, Inc.

September 19, 2019

Robert Martin, Chairperson  
Morongo Band of Mission Indians

**Subject: Navajo Road Survey Project, Apple Valley, California**

Dear Chairperson Martin,

Laguna Mountain Environmental has conducted an archaeological survey within the southwestern portion of San Bernardino County, in the town of Apple Valley. The project involves the construction of a residential development. Cultural resource work was conducted in accordance with California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The town of Apple Valley will serve as the lead agency for CEQA compliance.

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Sincerely,

Andrew Pignoli, M.A., RPA  
Principal Archaeologist

Attachment:  
Project Location map



**Laguna Mountain Environmental, Inc.**

September 19, 2019

Denisa Torres, Cultural Resources Manager  
Morongo Band of Mission Indians

**Subject: Navajo Road Survey Project, Apple Valley, California**

Dear Ms. Torres,

Laguna Mountain Environmental has conducted an archaeological survey within the southwestern portion of San Bernardino County, in the town of Apple Valley. The project involves the construction of a residential development. Cultural resource work was conducted in accordance with California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The town of Apple Valley will serve as the lead agency for CEQA compliance.

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Sincerely,

Andrew Pignuolo, M.A., RPA  
Principal Archaeologist

Attachment:  
Project Location map



September 19, 2019

Donna Yocum, Chairperson  
San Fernando Band of Mission Indians

**Subject: Navajo Road Survey Project, Apple Valley, California**

Dear Chairperson Yocum,

Laguna Mountain Environmental has conducted an archaeological survey within the southwestern portion of San Bernardino County, in the town of Apple Valley. The project involves the construction of a residential development. Cultural resource work was conducted in accordance with California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The town of Apple Valley will serve as the lead agency for CEQA compliance.

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Sincerely,

A handwritten signature in cursive script that reads "Andrew R. Pignolo".

Andrew Pignolo, M.A., RPA  
Principal Archaeologist

Attachment:  
Project Location map



**Laguna Mountain Environmental, Inc.**

September 19, 2019

Lee Clauss, Director of Cultural Resources  
San Manuel Band of Mission Indians

**Subject: Navajo Road Survey Project, Apple Valley, California**

Dear Ms. Clauss,

Laguna Mountain Environmental has conducted an archaeological survey within the southwestern portion of San Bernardino County, in the town of Apple Valley. The project involves the construction of a residential development. Cultural resource work was conducted in accordance with California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The town of Apple Valley will serve as the lead agency for CEQA compliance.

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Sincerely,

Andrew Pignolo, M.A., RPA  
Principal Archaeologist

Attachment:  
Project Location map





Laguna Mountain Environmental, Inc.

September 19, 2019

Mark Cochrane, Co-Chairperson  
Serrano Nation of Mission Indians

**Subject: Navajo Road Survey Project, Apple Valley, California**

Dear Co-Chairperson Cochrane,

Laguna Mountain Environmental has conducted an archaeological survey within the southwestern portion of San Bernardino County, in the town of Apple Valley. The project involves the construction of a residential development. Cultural resource work was conducted in accordance with California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The town of Apple Valley will serve as the lead agency for CEQA compliance.

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Sincerely,

Andrew Pignolo, M.A., RPA  
Principal Archaeologist

Attachment:  
Project Location map



**Laguna Mountain Environmental, Inc.**

September 19, 2019

Wayne Walker, Co-Chairperson  
Serrano Nation of Mission Indians

**Subject: Navajo Road Survey Project, Apple Valley, California**

Dear Co-Chairperson Walker,

Laguna Mountain Environmental has conducted an archaeological survey within the southwestern portion of San Bernardino County, in the town of Apple Valley. The project involves the construction of a residential development. Cultural resource work was conducted in accordance with California Environmental Quality Act (CEQA), the California Code of Regulations (CCR), and related implementing regulations and guidelines. The town of Apple Valley will serve as the lead agency for CEQA compliance.

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Sincerely,

Andrew Pignuolo, M.A., RPA  
Principal Archaeologist

Attachment:  
Project Location map

**Carol Serr**

---

**From:** donna [ddyocum@comcast.net]  
**Sent:** Tuesday, October 01, 2019 12:55 PM  
**To:** Carol Serr  
**Subject:** RE: Consultation request - Navajo Road Survey, Apple Valley

Carol,

Thank you for the information in regards to Navajo Road Survey, Apple Valley. The San Fernando Band of Mission Indians are actively involved with the protection and preservation of our Native American Cultural Resources. The above mentioned project is within our Vanyume/Serrano ancestral territories. Because this ground has not been developed the possibility of discovery of cultural resources with potential for disturbance or destruction is very possible.

SFBMI would request that one or more of our Native American Monitors be present during ground disturbance in order to help avoid unnecessary damage to any cultural resources should they be found during this process. Could you give me more information as to timeline of the different phases of said project please. Thank you for your time.

Donna Yocum, Chairwoman,  
San Fernando Band of Mission Indians

Sent from Mail for Windows 10

---

**From:** Carol Serr  
**Sent:** Thursday, September 19, 2019 2:33 PM  
**To:** ddyocum@comcast.net  
**Subject:** FW: Consultation request - Navajo Road Survey, Apple Valley  
**Importance:** High

Dear Chairperson Yocum,

Attached is a request for your consultation on our Navajo Road Survey project located in Apple Valley, San Bernardino County.

We thank you in advance for your reply to this request.

If you have any questions or comment, please direct them to Andrew Pignuolo at 858-505-8164 or by e-mail at [Laguna@LagunaEnv.com](mailto:Laguna@LagunaEnv.com).



**Laguna Mountain Environmental, Inc.**

7969 Engineer Rd., Suite 208  
San Diego, CA 92111

**Carol Serr**

---


**From:** Jessica Mauck [JMauck@sanmanuel-nsn.gov]  
**Sent:** Tuesday, October 08, 2019 3:30 PM  
**To:** carol@lagunaenv.com  
**Subject:** RE: Consultation request - Navajo Road Survey, Apple Valley

Hi Carol,

Thank you for contacting SMBMI regarding the above-referenced project. My apologies for the delay – I have been on vacation.

While there are many sensitive areas in Apple Valley, this project is in a space for which the Tribe has very little information. As such, SMBMI does not have cultural sensitivity information to provide for your report. I will work with the Lead Agency during consultation to track down additional information regarding previous disturbance and potential archaeological sensitivity (including your report), so that SMBMI can provide thoughtful, data-driven comments and recommendations for the project. Any information you can provide in the report regarding the surrounding landscape (i.e. geology, geomorphology, water resources, etc.) to help better identify the potential for either surface or subsurface resources will be most helpful.

Regards,

**Jessica Mauck**  
CULTURAL RESOURCES ANALYST  
O: (909) 864-8933 x3249  
M: (909) 725-9054  
26569 Community Center Drive Highland California 92346  
 **SAN MANUEL**  
BAND OF MISSION INDIANS

---

**From:** Lee Clauss  
**Sent:** Thursday, September 19, 2019 7:44 PM  
**To:** Jessica Mauck  
**Subject:** FW: Consultation request - Navajo Road Survey, Apple Valley  
**Importance:** High

For your review...

**Lee Clauss**  
DIRECTOR, CULTURAL RESOURCES MANAGEMENT  
O: (909) 864-8933 x503248  
Internal: 50-3248  
M: (909) 633-5851  
26569 Community Center Drive Highland California 92346

 **SAN MANUEL** |  **SAN MANUEL**  
BAND OF MISSION INDIANS | CASINO