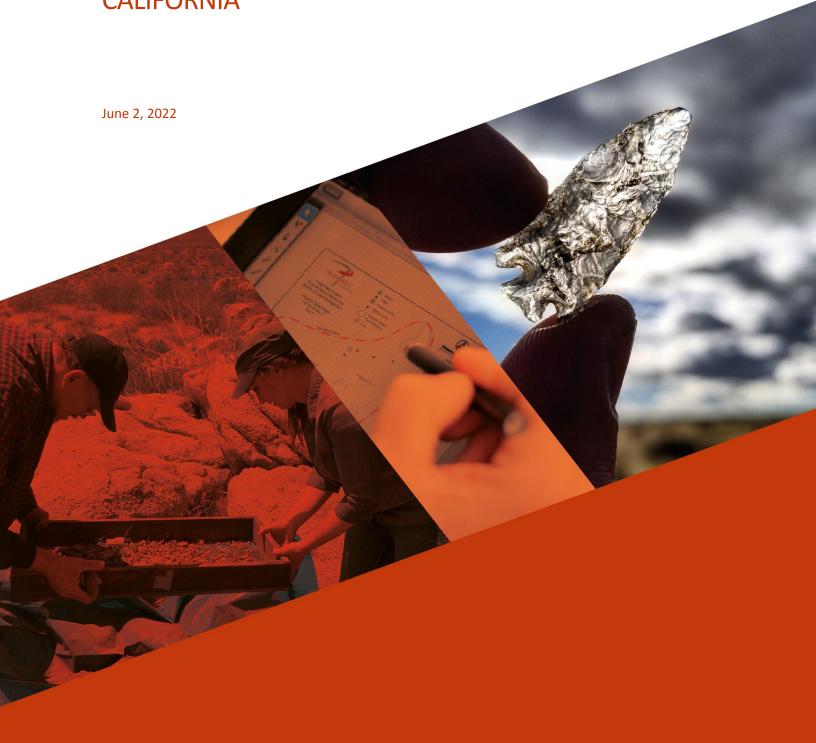


CULTURAL RESOURCE INVESTIGATION IN SUPPORT OF THE ANTELOPE VALLEY COMMERCE CENTER PROJECT, CITY OF PALMDALE, LOS ANGELES COUNTY, CALIFORNIA



# CULTURAL RESOURCE INVESTIGATION IN SUPPORT OF THE ANTELOPE VALLEY COMMERCE CENTER PROJECT, CITY OF PALMDALE, LOS ANGELES COUNTY, CALIFORNIA

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**Technical Report No.: 22-056** 

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# MANAGEMENT SUMMARY

PaleoWest, LLC (PaleoWest) was contracted by T&B Planning to conduct a Phase I cultural resource assessment for the proposed Antelope Valley Commerce Center Project (Project). The proposed Project involves the development of 398 acres of vacant land into a commercial and industrial center that will consist of 11 buildings, auto parking, and open space. The Project requires compliance with the California Environmental Quality Act (CEQA) and the City of Palmdale (City) is the Lead Agency for the purposes of the CEQA.

This report summarizes the methods and results of the cultural resource investigation of the Project area. The investigation included background research, communication with the Native American Heritage Commission (NAHC) and local Native American groups, a cultural resource survey of the Project area, and resource documentation and evaluation. The purpose of the investigation was to determine the potential for the Project to impact archaeological and historical resources under CEQA.

A cultural resource records search and literature review was completed at the South Central Coastal Information Center (SCCIC) of the California Historical Resource Information System housed at California State University, Fullerton. The records search indicated that 26 previous cultural resource studies have been conducted within 0.5-miles (mi) of the Project area resulting in the documentation of at least 16 cultural resources. Two of the identified cultural resources, both of which consist of prehistoric period isolated artifacts (P-19-100024 and P-19-100025), were reported in the Project area; the two isolates were collected at the time they were recorded.

As part of the cultural resource assessment of the Project area, PaleoWest also requested a search of the Sacred Lands File (SLF) from the NAHC. Results of the SLF search indicated that there are no known Native American cultural resources within the immediate Project area. The NAHC suggested contacting nine individuals representing six local Native American groups to determine if they have any additional information about sensitive Native American resources in the Project area. Outreach letters were sent to the nine recommended tribal contacts. To date, five responses were received.

PaleoWest completed a pedestrian survey of the Project area between March 21–25, 2022. Fifteen Historic Period archaeological sites were identified. No prehistoric or historic built-environment resources were documented within the Project area. An evaluation of significance indicates that none of the resources meet the criteria for listing on the California Register of Historical Resources (CRHR). Based on the paucity of substantial prehistoric archaeological remains in the vicinity, a review of the underlying geology, and the results of the survey, the Project area appears to have a low to moderate sensitivity for preservation of buried archaeological resources.

Based on these findings, PaleoWest does not recommend any additional cultural resource management for the proposed Project. In the unlikely event that cultural resources are encountered during construction activities associated with the Project, a qualified archaeologist shall be obtained to assess the significance of the find in accordance with the criteria set forth in the CRHR. In addition, Health and Safety Code 7050.5, CEQA 15064.5(e), and Public Resources Code 5097.98 mandate the process to be followed in the unlikely event of an accidental discovery of any human remains in a location other than a dedicated cemetery.

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# 1 INTRODUCTION

PaleoWest, LLC (PaleoWest) was contracted by T&B Planning to conduct a Phase I cultural resource assessment for the proposed Antelope Valley Commerce Center Project (Project). The Project requires compliance with the California Environmental Quality Act (CEQA). The City of Palmdale (City) is the Lead Agency for the purposes of the CEQA.

#### 1.1 PROJECT LOCATION AND DESCRIPTION

The Project area is within Palmdale, Los Angeles County, along Colombia Way (Avenue M), northwest of the Palmdale Regional Airport and east of the Southern Pacific Railroad and Sierra Highway (Figure 1-1 and Figure 1-2). The Project area totals approximately 398 acres within Sections 1 and 2 of Township 6 North, Range 12 West, San Bernardino Baseline and Meridian (SBBM), as depicted on the Lancaster West, CA and Lancaster East, CA 7.5' U.S. Geological Survey (USGS) topographic quadrangle maps. The elevation of the Project area ranges between 2500–2550 feet (ft) above mean sea level (amsl).

The Project includes the development of vacant land into a commercial and industrial center that will consist of 11 buildings, auto parking, and open space. Building height will not exceed 35 ft and landscapeing will cover approximately 10 percent of the Project area. Access to the Project would be via East Avenue M with three new public streets providing access within the development.

## 1.2 REPORT ORGANIZATION

This report documents the results of a cultural resource investigation completed for the proposed Project. Section 1 introduced the Project location and description. Section 2 states the regulatory context that should be considered for the Project. Section 3 synthesizes the natural and cultural setting of the Project area and surrounding region. Section 4 presents the results of the existing cultural resource data literature and resource record review, the Sacred Lands File (SLF) search, and a summary of the Native American communications. Section 5 presents the research design for the Project. Section 6 describes the field methods employed during this investigation and survey findings. Section 7 presents the management recommendations based on the result of the background research and survey findings. This is followed by bibliographic references and appendices.



Figure 1-1. Project vicinity map.

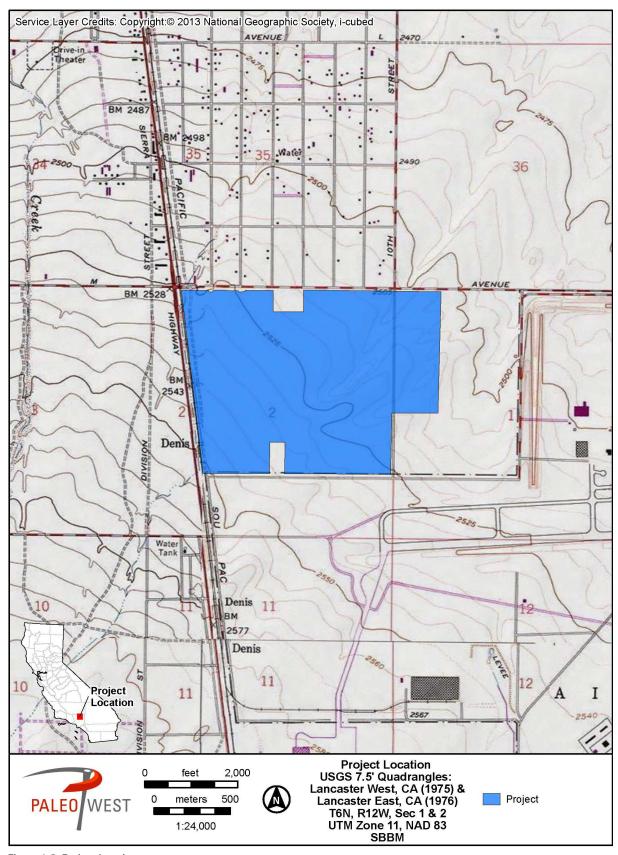


Figure 1-2. Project location map.

# 2 REGULATORY CONTEXT

# 2.1 STATE

# 2.1.1 California Environmental Quality Act

The proposed Project is subject to compliance with CEQA, as amended. Compliance with CEQA statutes and guidelines requires both public and private projects with financing or approval from a public agency to assess the project's impact on cultural resources (Public Resources Code Section 21082, 21083.2 and 21084 and California Code of Regulations 10564.5). The first step in the process is to identify cultural resources that may be impacted by the project and then determine whether the resources are "historically significant" resources.

CEQA defines historically significant resources as "resources listed or eligible for listing in the California Register of Historical Resources (CRHR)" (Public Resources Code Section 5024.1). A cultural resource may be considered historically significant if the resource is 45 years old or older, possesses integrity of location, design, setting, materials, workmanship, feeling, and association. In addition, it must meet at least one of the following criteria for listing in the CRHR:

- 1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
- 2. Is associated with the lives of persons important in our past;
- Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or,
- 4. Has yielded, or may be likely to yield, information important in prehistory or history (Public Resources Code Section 5024.1).

Cultural resources are buildings, sites, humanly modified landscapes, traditional cultural properties, structures, or objects that may have historical, architectural, cultural, or scientific importance. CEQA states that if a project will have a significant impact on important cultural resources, deemed "historically significant," then project alternatives and mitigation measures must be considered.

# 2.1.2 California Assembly Bill 52

Signed into law in September 2014, California Assembly Bill 52 (AB 52) created a new class of resources (tribal cultural resources [TCRs]) for consideration under CEQA. TCRs may include sites, features, places, cultural landscapes, sacred places, or objects with cultural value to California Native American tribes that are listed or determined to be eligible for listing in the CRHR, included in a local register of historical resources, or a resource determined by the lead CEQA agency, in its discretion and supported by substantial evidence, to be significant and

<sup>&</sup>lt;sup>1</sup> The Office of Historic Preservation (OHP) guidelines recognize a 45-year-old criteria threshold for documenting and evaluating cultural resources (assumes a 5-year lag between resource identification and the date that planning decisions are made) (OHP 1995:2). The age threshold is an operational guideline and not specific to CEQA statutory or regulatory codes.

eligible for listing in the CRHR. AB 52 requires that the lead CEQA agency consult with California Native American tribes that have requested consultation for projects that may affect tribal cultural resources. The lead CEQA agency shall begin consultation with participating Native American tribes prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report. Under AB 52, a project that has potential to cause a substantial adverse change to a tribal cultural resource constitutes a significant effect on the environment unless mitigation reduces such effects to a less than significant level.

## 2.2 LOCAL

# 2.2.1 City of Palmdale General Plan

The General Plan's Environmental Resources Element includes one goal to protect cultural resources. The goal and its associated objectives and policies are as follows:

**GOAL ER7:** Protect historical and culturally significant resources which contribute to the community's sense of history.

**Objective ER7.1:** Promote the identification and preservation of historic structures, historic sites, archaeological sites, and paleontological resources in the City.

- Policy ER7.1.1: Identify and recognize historic landmarks from Palmdale's past.
- Policy ER7.1.2: Promote maintenance, rehabilitation, and appropriate reuse of identified landmarks where feasible.
- Policy ER7.1.3: Require that new development protect significant historic, paleontological, or archaeological resources, or provide for other appropriate mitigation.
- Policy ER7.1.4: Develop and maintain a cultural sensitivity map. Require special studies/surveys to be prepared for any development proposals in areas reasonably suspected of containing cultural resources, or as indicated on the sensitivity map. Policy
- Policy ER7.1.5: When human remains, suspected to be of Native American origin are discovered, cooperate with the Native American Heritage Commission and any local Native American groups to determine the most appropriate disposition of the human remains and any associated grave goods.
- Policy ER7.1.6: Cooperate with private and public entities whose goals are to protect and preserve historic landmarks and important cultural resources.

# 3 SETTING

This section of the report summarizes information regarding the physical and cultural setting of the Project area, including the Prehistoric, Ethnographic, and Historic contexts of the general area. Several factors—including topography, available water sources, and biological resources—affect the nature and distribution of prehistoric, ethnographic, and historic-period human activities in an area. This background provides a context for understanding the nature of the cultural resources that may be identified within the region.

# 3.1 ENVIRONMENTAL SETTING

The Project area is within the Antelope Valley in the western Mojave Desert. The Mojave Desert is bounded on the west by the Sierra Nevada Mountains, on the south by the Transverse and Peninsular ranges, on the southeast and east by the Yuma and Colorado deserts, and on the north by the Great Basin. The western Mojave Desert comprises a number of valleys, including the Antelope Valley, Fremont Valley, Victor Valley, Lucerne Valley, along with the Mojave River and the Barstow area.

Geologically, the Mojave Desert region is a wedge-shaped fault block, which has been termed the "Mojave Block" (Dibblee 1967:4). It is bounded by the San Andreas and Garlock fault zones on the southwest and north, respectively. Rocks within the western Mojave Desert region can be grouped into three main divisions that include crystalline rocks of pre-Tertiary age; sedimentary and volcanic rock of Tertiary age; and sediments and local basalt flows of Quaternary age. Units of the pre-Tertiary crystalline rocks and Quaternary sediments and basalt are widespread with Tertiary volcanic and sedimentary rocks more limited in their areal distribution (Dibblee 1967).

The Mojave is a warm-temperature desert situated between the subtropical Sonoran Desert to the south and the cold-temperature Great Basin to the north. The arid Mojave Desert is characterized by sparse rainfall, generally ranging from 5–25 centimeters (cm) (2–10 inches [in]) per year. Some areas receive as little as 2.5 cm (1 in) of annual precipitation, while others receive more than 25 cm (10 in) (Warren 1984:342). The Palmdale area receives approximately 9 in of precipitation annually. The present day climate and concomitant vegetation within the Mojave Desert was substantially different during the so-called Wisconsin Glacial Stage (60,000–10,500 years Before Present [B.P.]), where the climate was influenced by the massive continental ice sheets that resulted in cooler summer and warmer winter temperatures than at present (Bupp et al. 1998, as cited in Basgall and Overly 2004).

The Joshua tree is often used as the common vegetative marker of the Mojave Desert (Sutton 1996:223), although the creosote bush is considered to be the dominant plant of both the Mojave and Colorado deserts (Grayson 1993; Warren 1984:342). Lower elevations of the Mojave Desert are dominated by creosote bush with higher elevations giving way to yuccas and agaves and piñon-juniper habitats. Other vegetation may include catclaw acacia, white brittlebush, white bursage, barrel and hedgehog cactus, littleleaf krameria, ocotillo, desert sand verbena, branched pencil and teddybear cholla, coastal bladderpod, desert agave, Douglas and rubber rabbit brush, Mojave yucca, beavertail, prickly pear, jojoba, desert senna, and Anderson's wolfberry. Various forbs and grasses also vary but can be found throughout desert scrub habitats (Mayer and Laudenslayer 1988:88).

Large game animals are rare in the Mojave Desert, as evidenced by deer (*Odocoileus hemionus*) and black bear (*Ursus americanus*), which make infrequent treks from the nearby Sierra Nevada slopes. More common to the desert floor are various reptiles and rodents, such as Couch's spadefoot toad (*Scaphiopus couchii*), desert tortoise (*Xerobates [Goperus] agassizii*), chuckwalla (*Sauromalus obesus*), leopard lizard (*Crotaphytus wislizenii*), horned lizard (*Prynosoma platyrhinos*), Mojave rattlesnake (*Crotalus scutulatus*), whitetail antelope squirrel (*Ammospermophilus leucurus*), and kangaroo rats (*Dipodomys spp.*). Other species found in the Mojave include blacktail jackrabbit (*Lepus californicus*), desert cottontail (*Sylvilagus audubonii*), kit fox (*Vulpes macrotis*) coyote (*Canis latrans*), and bobcat (*Lynx rufus*) (Laudenslayer and

Boggs 1988:114; Martyn and Moore 1996). More than 300 species of birds are known to inhabit the northern Mojave Desert.

## 3.2 PREHISTORIC SETTING

Over the past century, archaeologists have generally divided the prehistory of the Western Mojave Desert into five distinct periods or sequences distinguished by specific material (i.e., technological) or cultural traits. Early cultural chronologies were proposed by Amsden (1937), Campbell and Campbell (1937), and Rogers (1939), that were later adapted by Warren and Crabtree (1986) and further detailed by Warren in 1984. Alternative sequences have since emerged (e.g., Bettinger and Taylor 1974) proposing new nomenclature (e.g., Newberry Period vs. Rose Spring Period vs. Saratoga Springs), slightly adjusted cultural chronologies, or attempting to link the Great Basin chronological framework to the Mojave Desert.

Recently, Sutton et al. (2007:233) proposed a cultural-ecological chronological framework based on climatic periods (e.g., Early Holocene) "to specify spans of calendric time and cultural complexes (e.g., Lake Mojave Complex) to denote specific archaeological manifestations that existed during (and across) those periods." In this scheme, the cultural history for the area is divided into the Late Pleistocene (10,000–8000 calibrated [cal] B.P.), the Early Holocene (8000–6000 cal B.P.), the Middle Holocene (7000–3000 cal B.P.), and the Late Holocene (2000 cal B.P. to Contact). The new sequence draws heavily from Warren and Crabtree (1986) and Warren (1984), as well as from the vast body of recent archaeological research conducted in the region.

# 3.2.1 Late Pleistocene (ca. 10,000-8000 cal B.P.)

The earliest cultural complex recognized in the Mojave Desert is Clovis, aptly named for the fluted projectile points often associated with Pleistocene megafaunal remains. Arguments for pre-Clovis Paleoindian human occupation in the Mojave Desert rely on relatively sparse evidence and unpublished data, although in light of the growing body of evidence suggesting a pre-Clovis occupation of the Americas, the argument cannot simply be ruled out. Paleoindian culture is poorly understood in the region due to a relative dearth of evidence stemming from a handful of isolated fluted projectile point discoveries and one presumed occupation site on the shore of China Lake. Archaeologists tend to interpret the available data as evidence of a highly mobile, sparsely populated hunting society that occupied temporary camps near permanent Pleistocene water sources.

# 3.2.2 Early Holocene (ca. 8000-6000 cal B.P.)

Two archaeological patterns are recognized during the Early Holocene: the Lake Mojave Complex (sometimes referred to as the Western Pluvial Lakes Tradition) and the Pinto Complex. The Lake Mojave Complex is characterized by stemmed projectile points of the Great Basin Series, abundant bifaces, steep-edged unifaces, and crescents. Archaeologists have also identified, in less frequency, cobble-core tools and ground stone implements. The Pinto Complex, on the other hand, is distinguished primarily by the presence of Pinto-style projectile points. Although evidence suggests some temporal overlap, the inception of the Pinto Complex is generally considered a Middle Holocene cultural complex that begins during the latter part of the Early Holocene.

During the Lake Mojave cultural complex, inhabitants of the region used more extensive foraging ranges, as indicated by an increased frequency of extra-local materials. Spheres of influence also expanded as potential long-distance trade networks were established between desert and coastal peoples. Groups were still highly mobile, but they practiced a more forager-like settlement subsistence strategy. Residential sites indicate more extensive periods of occupation and recurrent use. In addition, residential and temporary sites also indicated a diverse social economy, characterized by discrete workshops and special-use camps (e.g., hunting camps). Diet also appears to have diversified, with a shift away from dependence upon lacustral environments such as lakeside marshes, to the exploitation of multiple environments containing rich resource patches (Sutton et al. 2007).

# 3.2.3 Middle Holocene (ca. 7000–3000 cal B.P.)

The Pinto Complex is the primary cultural complex in the Mojave Desert during the Middle Holocene. Once thought to have neatly succeeded the Lake Mojave Complex, a growing corpus of radiocarbon dates associated with Pinto Complex artifacts suggest that its inception could date to the latter part of the Early Holocene. Extensive use of tool stone other than obsidian and high levels of tool blade reworking were characteristic of this complex and the earlier Lake Mojave Complex. A reduction in tool stone source material variability suggests a contraction of foraging ranges that had expanded during the Early Holocene. Conversely, long distance trade with coastal peoples continued uninterrupted, as indicated by the presence of *Olivella* shell beads.

The most distinguishing characteristic of the Pinto Complex is the prevalence of ground stone tools, which are abundant in nearly all identified Pinto Complex sites. The emphasis on milling tools indicates greater diversification of the subsistence economy during the Middle Holocene. Groups increased reliance on plant processing while continuing to supplement their diet with protein from small and large game animals.

Recent archaeological research in the Mojave Desert suggests there was a greater degree of regional cultural diversity during the Middle Holocene than previously thought. Sutton et al. (2007) have proposed a new Middle Holocene cultural complex associated with sites exclusively at Twentynine Palms in the southeastern Mojave Desert. Artifacts recovered from Deadman Lake Complex sites, such as *Olivella dama* shell from the Sea of Cortez, and contracting-stem and lozenge-shaped projectile points similar to those recovered from Ventana Cave in Arizona, may suggest closer cultural contact with Southwest Archaic cultures than Pinto cultures to the north and west. However, it is also possible that the proposed complex simply reflects a technologically distinct segment of the Pinto, rather than a distinct culture.

# 3.2.4 Late Holocene (ca. 2000 cal B.P.-Contact)

The Late Holocene in the greater Southern California region is characterized by increases in population, higher degrees of sedentism, expanding spheres of influence, and greater degrees of cultural complexity. In the Mojave Desert, the Late Holocene is divided into several cultural complexes: the Gypsum Complex (2000 cal B.C.–cal A.D. 200), the Rose Spring Complex (cal A.D. 200–1100), and the Late Prehistoric Complexes (cal A.D. 1100–Contact).

The Gypsum Complex is defined by the presence of side-notched (Elko series), concave-based (Humboldt series), and well-shouldered contracting stem (Gypsum series) projectile points. Other indicative artifacts include quartz crystals, painted ceramics, rock art, and twig figures,

which are generally associated with ritual activities. Warren (1984) considers the appearance of these artifact types at Gypsum Complex sites as evidence of the Southwest's expanding influence in the region. Conversely, Sutton et al. (2007) opt to associate Gypsum sites, which tend to cluster in the northern Mojave Desert, with temporal sequences modeled for the adjacent Great Basin. It is most likely, however, that the Gypsum Complex was exposed to various cultural influences stemming from long-distance exchange and social interaction networks that linked groups occupying the Mojave Desert to those on the Pacific Coast, and in the American Southwest and the Great Basin.

The Rose Spring Complex can also be defined by the presence of distinct projectile points (i.e., Rose Spring and Eastgate series) and artifacts, including stone knives, drills, pipes, bone awls, milling implements, marine shell ornaments, and large quantities of obsidian. Of greater significance, however, are the characteristic advancements in technology, settlement strategies, and evidence for expanding and diverging trade networks.

The Rose Spring Complex marks the introduction of bow and arrow technology to the Mojave Desert, likely from neighboring groups to the north and east. As populations increased, groups began to consolidate into larger, more sedentary residential settlements indicated by the presence of well-developed middens and architectural styles. West and north of the Mojave River, increased trade activity along existing exchange networks ushered in a period of relative material wealth, exhibited by increased frequencies of marine shell ornaments and tool stone, procured almost exclusively from the Coso obsidian source. East and south of the Mojave River, archaeological evidence suggests there was a greater influence from Southwest and Colorado River cultures (i.e., Hakataya and Patayan).

Between approximately A.D. 1100 and contact, a number of cultural complexes emerged that archaeologists believe may represent prehistoric correlates of known ethnographic groups. Collectively known as the Late Prehistoric Cultural Complexes, during this time material distinctions between groups were more apparent, as displayed by the distribution of projectile point styles (e.g., Cottonwood vs. Desert Side-notched), ceramics, and lithic materials. Long-distance trade continued, benefiting those occupying "middleman" village sites along the Mojave River where abundant shell beads and ornaments, and lithic tools were recovered from archaeological contexts (Rector et al. 1983). Later on, however, trade in Coso obsidian was significantly reduced as groups shifted focus to the procurement of local silicate stone.

The Late Prehistoric Cultural Complex was also a time of increasing regional influence and territorial expansion. Warren (1984) noted "strong regional developments" in the Mojave Desert that included Ancestral Puebloan interest in turquoise in the Mojave Trough, Hakatayan (Patayan) influence from the Colorado River, and the expansion of Numic Paiute and Shoshonean culture eastward. These developments led Sutton (1989) to propose that a number of interaction spheres were operating in the Mojave Desert during the Late Prehistoric. Sutton (1989) delineated interaction spheres based on the distribution of projectile point styles, ceramics, and obsidian and argued that the spheres broke along geographical lines that reflected the territorial boundaries of known ethnohistoric groups.

# 3.3 ETHNOHISTORIC SETTING

Four groups consider the Antelope Valley to be part of their traditional use area: the Serrano, Vanyume, Tataviam and Kitanemuk. Ethnographic information on each of these groups is provided below.

#### 3.3.1 Serrano

The Serrano territory included the San Bernardino Mountains, east of Cajon Pass, as well as the desert area that is immediately south of Victorville, extending east as far as Twentynine Palms and south as far as Yucaipa Valley. The Serrano were primarily hunters and gatherers. Vegetal staples varied with village locality: acorns and piñon nuts in the foothills; mesquite, yucca roots, cacti fruits, and piñon nuts in or near the desert regions. Diets were supplemented with other roots, bulbs, shoots, and seeds. An increased yield of herbaceous plants was created by periodic burning (Bean and Smith 1978:571). Communal gathering expeditions, involving several lineages under one leader's authority, were not uncommon (Bean and Smith 1978:571; Benedict 1924:391–392; Drucker 1937). Deer, mountain sheep, antelope, rabbits, and other small rodents were among the principal animals hunted. Various game birds were also hunted—quail being the most important. The bow-and-arrow was used for large game, while smaller game and birds were killed with curved throwing sticks, traps, and snares. Occasionally, game was hunted communally, especially during annual mourning ceremonies (Bean and Smith 1978:571; Benedict 1924:391–392; Drucker 1937).

Individual family dwellings were occupied by a husband, wife, their unmarried female children, sometimes the husband's parents, and occasionally a widowed aunt or uncle. The Serrano lived in circular, domed structures that were constructed of willow frames and covered with tule thatch. These structures were utilized primarily as sleeping and storage areas, with most Serrano activities taking place outside or under a shade structure consisting simply of four posts and a roof. On occasion, an individual would erect a separate house for private use (Benedict 1924; Drucker 1937; Kroeber 1925).

Technologically, the Serrano were quite accomplished and produced a vast array of articles. Their manufactured goods included baskets, pottery, rabbit-skin blankets, awls, arrow straighteners, sinew-backed bows, arrows, drills, stone pipes, musical instruments (rattles, rasps, whistles, bull-roarers, and flutes), feathered costumes, mats, bags, storage pouches, and nets (Bean and Smith 1978:571). Food acquisition and processing required the manufacture of additional items such as knives, stone or bone scrapers, pottery trays and bowls, bone or horn spoons, and stirrers. Mortars, made of either stone or wood, and metates were also manufactured (Benedict 1924; Drucker 1937; Strong 1929).

The Serrano were organized into exogamous clans. Each of these, in turn, was affiliated with one of two exogamous moieties (Strong 1929). Although the exact nature of these clans, including their structure, function, and number is unknown, Strong (1929) determined that the clan was the largest autonomous political and landholding unit of the Serrano. The clan was patrilineal: all the male members recognized descent from a common male ancestor. The descendants and wives of these men were also regarded as clan members. When women married, they retained their own lineage names and participated in ceremonies of their natal lineage (Strong 1929:17).

Every clan had a headman or chief, which was a hereditary position passed from father to son. Under unusual circumstances this could pass to the wife of the previous headman (Strong 1929; Gifford 1918). Duties of the head of the clan included determining when and where to collect or hunt, as well as conducting religious and other ceremonies. An assistant (also a hereditary post passing from father to son) assisted the head or chief in these ceremonies. The assistant's duties included taking charge of the sacred bundle (a kit of ceremonial paraphernalia), notification of the time and location of the ceremonies, carrying shell money

between groups for ceremonial purposes, and attending to the division of shell money and food at ceremonies (Bean and Smith 1978:572).

Like other California Native American groups, the Serrano had a shaman who acquired his various powers through datura-enhanced dreaming (Strong 1929). Shamans were mainly curers, who healed their patients through administering herbal remedies and sucking out disease-causing agents (Benedict 1924).

# 3.3.2 Vanyume

The Vanyume inhabited the Mojave River. Unlike their Serrano neighbors, the Vanyume maintained friendly relations with the Chemehuevi and Mojave peoples. The Vanyume had a small population, which dwindled rapidly following Spanish settlement of California. No Vanyume speaking members survived into the twentieth century, so there is not much known about this group (Bean and Smith 1978:570; Kroeber 1970:614).

#### 3.3.3 Tataviam

The Tataviam are a Native American group that resided in and around the region encompassing the Project area. They belong to the family of Serrano people who migrated down into the Antelope, Santa Clarita, and San Fernando valleys some time before 1550 B.P. They settled into the Santa Clara River drainage system, east of Piru Creek, but also marginally inhabited the upper San Fernando Valley. Their territory also may have extended over the Sawmill Mountains to include at least the southwestern fringes of the Antelope Valley, which they apparently shared with the Kitanemuk, who occupied the greater portion of the Antelope Valley.

The Tataviam were hunters and gatherers who prepared their foodstuffs in much the same way as their neighbors. Their primary foods included yucca, acorns, juniper berries, sage seeds, deer, the occasional antelope, and smaller game such as rabbits and ground squirrels. There is no information regarding Tataviam social organization, though information from neighboring groups shows similarities among Tataviam, Chumash, and Gabrielino ritual practices. At first contact with the Spanish in the late eighteenth century, the population of this group was estimated at less than 1000 people. However, this ethnographic estimate of the entire population is unlikely to be accurate, since it is based only on one small village complex and cannot necessarily be indicative of the entire population of Tataviam. Given the archaeological evidence at various Tataviam sites, as well as the numbers incorporated into the Spanish Missions, pre-contact population and early contact population easily exceeded 1000 people (Blackburn 1962; Johnston 1962).

The Tataviam people lived in small villages and were semi-nomadic when food was scarce. Labor was divided between the sexes. Men carried out most of the heavy but short-term labor, such as hunting and fishing, conducted most trading ventures, and had as their central concerns the well-being of the village and the family. Women were involved in collecting and processing most of the plant materials and basket production. The elderly of both sexes taught children and cared for the young (Blackburn 1962; Johnston 1962).

#### 3.3.4 Kitanemuk

The Kitanemuk belonged to the northern section of the people known as the "Serrano." The name, "Serrano," however, is only a generic term meaning "mountaineers" or "those of the

Sierras." Ethnographers group the Kitanemuk with the Serrano based on linguistic similarities though the Kitanemuk did not identify themselves as Serrano. They lived on the upper Tejon and Paso creeks and also held the streams on the rear side of the Tehachapi Mountains, the small creeks draining the rear slope of the Liebre and Sawmill Range, with Antelope Valley and the westernmost part of the Mojave Desert. The extent of their territorial claims in the desert region is not certain.

The Kitanemuk lived in permanent winter villages of 50–80 people or more. During the late spring, summer, and fall months they dispersed into smaller, highly mobile gathering groups. They followed a seasonal round, visiting different environmental regions as the important food producing plants became ready for harvest. Some staple foods important to the Kitanemuk include acorns, piñon pine nuts, yucca, elderberries, and mesquite beans were available as well (Duff 2004).

The Kitanemuk shared some elements of culture with the rest of the Serrano groups, who lived to the east in parts of the Antelope Valley, the upper Mojave River area, and the San Bernardino Mountains (Blackburn and Bean 1978). Some customs, however, such as rituals and practices to honor the dead, may have been different. The Kitanemuk appear to have buried their dead, while the Serrano cremated them. The population of the Kitanemuk has been placed in the 500–1000 range at the time of arrival of the Spanish (Antelope Valley Indian Museum 2006).

There were no permanent communities on the valley floor. Instead, the Antelope Valley provided a Native American trade route from Arizona and New Mexico to the California coast. The Native American population of California was estimated to be 133,000 in 1770, just before the Mission Period. But by 1910, they numbered about 16,350. The Native American population of the Antelope Valley consisted of just a few families in 1910 (Antelope Valley Indian Museum 2006).

# 3.4 HISTORICAL SETTING

# 3.4.1 Mojave Desert Region

European exploration of the Mojave Desert began in the sixteenth century, but sustained Euro-American settlement of the region did not occur until the mid-nineteenth century. This extended period of exploration without expansion creates a long Proto-Historic period in the region, when Europeans and local Native American groups knew of one another but interacted very little. This period is discussed above from the point of view of Native American history. Below, the Euro-American expansion into the region and subsequent historical developments are described.

The European settlement in the Mojave Desert began when Spanish missionaries and explorers entered the area in the eighteenth century. Among the first Europeans in the area was Pedro Fages, who led an expedition into the western Mojave in 1772 in pursuit of Spanish soldiers who had deserted (Pourade 1960). Later forays into the Mojave were undertaken in 1776 by Franciscan missionary, Francisco Garces. Garces was tasked with exploring overland routes between Santa Fe, New Mexico, and Southern California. During his expedition, he stayed in what is today the town of Mojave (Coues 1900; Sutton 1991). The establishment of trade routes between Santa Fe and Los Angeles and the establishment of missions in the Mojave Desert were difficult in the eighteenth century because the native Mohave people

hindered Spanish expansion beyond the coastal areas of California (Bean and Bourgeault 1989). The Old Spanish Trail, which passes through the Mojave Desert, was not firmly established as a travel route until the 1830s (Norris and Carrico 1978).

The Mexican War of Independence from Spain began in 1810. The Mexicans were victorious in 1821 and declared the Republic of Mexico in 1823. California was made a territory of the Republic in 1825. During Mexican rule, from 1825 to 1847, the rancheros became wealthy from trade in hides, tallow, wine, and brandy. The missions' properties were redistributed between 1834 and 1836, making the rancheros even wealthier. American traders, drawn by low prices for cowhides and other raw materials, made contacts with the Californios. Some married the daughters of the rancheros, started business enterprises, and became increasingly influential in the finance and commerce of the region (Los Angeles Cultural Heritage Masterplan 2000:15).

During the Mexican American War, on August 13, 1846, Captain John Fremont entered the pueblo of Los Angeles and declared it an American territory. The Treaty of Cahuenga ended the conflict in California in 1847 and The Treaty of Guadalupe Hidalgo officially ended the war in 1848 (Los Angeles Cultural Heritage Masterplan 2000:15).

American exploration into the Mojave Desert began in the nineteenth century. Jedediah Smith was the first American to enter the Mojave in 1826 and 1827. Little is known about Smith's time in the Mojave since his notes were lost in a fire (Pourade 1961). Smith followed the Old Spanish Trail, which runs south and east of the current Project area, and ultimately reached the Pacific Ocean where Spanish authorities prevented him from continuing further and temporarily imprisoned him (Beck and Haase 1974; Norris and Carrico 1978). In 1844, John C. Fremont traveled through the Mojave from the north and eventually met up with the Old Spanish Trail (Beck and Haase 1974; Fremont 1845). Fremont was named "The Great Pathfinder" because his explorations helped open the West for Americans to move into California in the middle and late nineteenth century (Barnard 1977).

By the 1850s, the Old Spanish Trail was established as a reliable overland route to California, and it became easier for people to move into the area. Once California was ceded to the United States, the land was open for settlement and development. With the discovery of gold in the Sierra Nevada Mountains, California's population boomed. The majority of early mining in California took place in the north, near Sacramento and San Francisco. Mining led to the creation of roads throughout the state. Later, these mining roads would be used to establish railroads that operated in the region.

In the Mojave, scientific exploration was being undertaken in conjunction with investigations into proposed railroads from the east (Sherer 1994). An expedition led by Lt. Amiel Weeks Whipple in 1854 sought to survey a railroad route leading from Arkansas to Los Angeles along the 35th parallel, passing near Fremont Valley. The proposed railroad was meant to tie into lines that originated in both the north and the south (Barnard 1977). Whipple's expedition included scientists who recorded information about the geology, climatology, and biology of the region (Sherer 1994). A later expedition undertaken by Edward Beale in 1857 tested the feasibility of using camels for transport across the desert and established an early wagon road through the area (Norris and Carrico 1978; Sherer 1994).

Construction of the Southern Pacific Railroad (SPRR), linking San Francisco to Los Angeles via the Mojave Desert, was completed in 1876. Large numbers of Chinese workers were employed in the construction of the railroad, and following its completion, many became

involved in placer mining in the upper Santa Clarita River area (Earle 2003). The SPRR Mojave line also included a 20-day (round trip) rail route that extended over 165 miles (mi) of mountains and desert, running from the Harmony Borax Works in Death Valley (Inyo County) to the railroad loading dock in Mojave (Kyle 1990:129).

With the construction of the railroad, historic development of Antelope Valley increased. Lancaster, to the northwest of Palmdale, was first settled in 1876 with the completion of the SPRR. Promotional literature espousing the charms of the new township location attracted settlers. In the early 1880s, Moses Langley Wicks founded a Scottish agricultural colony of around 150 people near present-day Lancaster. In 1884, Wicks purchased and platted the town site, which he named Lancaster after his Pennsylvania hometown. In the late 1880s, Lancaster was sold to James P. Ward, and the first land boom occurred in Antelope Valley. Ample rain during this period led to bumper wheat and barley harvests. The subsequent ten-year drought had severe consequences for farmers in Palmdale and Lancaster. The Antelope Valley experienced another swell of population growth in the early 1900s, when the region housed large numbers of workers constructing the Los Angeles Aqueduct. The area experienced a period of growth in the 1930s following construction of the Muroc Air Force Base (County of Los Angeles Public Library 2007).

# 3.4.2 Antelope Valley

The Antelope Valley is on the west end of the Mojave Desert, in the northern extent of Los Angeles County and extends into southern Kern County. Several non-native expeditions traversed the Antelope Valley starting with Friar Francisco Garces in 1776, but the first non-native settlements did not occur until the 1850s through a combination of factors. Discovery of gold in Kern County and Silver in Inyo County in the early 1850s established new wagon routes, followed by the Butterfield mail stagecoach mail route in 1858, and the Los-Angeles Havilah Stage Line in 1864. The establishment of Fort Tejon in 1854 on the west end of the valley created a safe outpost for travelers, and a telegraph line that connected San Francisco to Los Angeles was completed in 1860. Construction of the Southern Pacific Railroad through this section of the Antelope Valley was completed in 1876 as part of the connecting route between San Francisco and Los Angeles. The alignment passed through the newly established railroad towns of Rosamond and Lancaster, approximately 7 mi west and south from the Project area (County of Los Angeles Public Library 2021; Lien 2021).

# 3.4.3 City of Palmdale

The present city of Palmdale originated as two small communities called Palmenthal and Harold. Palmenthal was settled in 1886 by 50–60 families of Swiss and German settlers. The families, venturing west primarily from Illinois and Nebraska, were informed that once they saw palm trees they would be very near to the coast. Mistaking the Joshua trees for palm trees, they settled in the Antelope Valley, calling the township Palmenthal. Shortly thereafter an irrigation ditch was excavated by the Palmdale Irrigation Company to divert water from Littlerock Creek to Palmdale. In 1890, the ditch was described as seven miles in length, having cost \$16,000 to build. The principal crops the water supported were alfalfa, corn, potatoes, vegetables, fruit trees, and vineyards (California State Mining Bureau 1896:538; Newell 1890:60). In 1894, drought hit the area, and an increased supply of water was needed. An earthen dam, forming Harold Reservoir (now Palmdale Lake), was constructed by the Antelope

Valley Irrigation Company in 1895, and another earthen ditch, linking Littlerock Creek to Harold Reservoir, was excavated alongside the earlier ditch. A flume and wooden trestle were incorporated into this design (Palmdale Water District 2004). The settlers prospered temporarily growing grain and fruit. An extended period of drought in the 1890s brought the boom to an end, and Palmenthal was largely abandoned. Palmdale Water District was formed in 1918 by a vote of the people and is the successor to the private company formed in 1886.

The community of Harold was also known as Alpine Station and Trejo Post Office. It was established at the crossroads of the Southern Pacific Railroad and Fort Tejon Road (now Barrel Springs Road). It was essentially abandoned when the railroad moved the site of its booster engine station to another location north of Harold (County of Los Angeles Public Library 2007; Palmdale City Library 2006).

Mining in the Mojave Desert led to increased settlement during the latter half of the nineteenth century. Gold was discovered in the southwestern portion of Antelope Valley in 1842 in what is today known as Placerita Canyon. Gold seekers flocked to the canyon and an estimated \$100.000 of gold was mined there. Some of the miners settled permanently in the southwest Antelope Valley in the 1850s and 1860s, while others headed north to continue their search for wealth. Gold, silver, and copper were also mined from the Soledad Canyon region during the Civil War period (County of Los Angeles Public Library 2007; Earle 2003). The town of Mojave was the rail terminus for the 20-mule-team borax wagons that operated from Death Valley between the years 1884 and 1889 (Kyle 1990:129). The United States Borax and Chemical Company (formerly the Pacific Coast Borax Company) developed sodium borate mining at Boron, about 30 miles north of Victorville. Gold was discovered at Standard Hill in 1894, and the Cactus Queen Mine produced the largest quantity of silver ore in California until World War II (Kyle 1990:130). By 1896, the Alpine Plaster Company had established a gypsum quarry one mile south of Palmdale, and the Fire Pulp Plaster Company also worked Palmdale's gypsum deposits (California State Mining Bureau 1896:504; Hess 1910:29). All of this activity rejuvenated the development of Antelope Valley.

The town of Palmdale was established in 1899 when settlers who remained at Palmenthal and Harold relocated closer to the Southern Pacific Railroad station and the San Francisco to New Orleans stagecoach line. In 1905, following the end of the drought, irrigation systems using pumps powered by gasoline, and later electricity, replaced the previous reliance on artesian wells. This more reliable source of water revived the agricultural industry in the Antelope Valley (County of Los Angeles Public Library 2007). Completion of the Los Angeles Aqueduct in 1914 (to the west of Palmdale) further prompted development of the Palmdale area. That year, the Southern California Panama Expositions Commission (McGroarty 1914:78) described Palmdale as "a new town on the railroad with considerable improvement going on including the planting of a large acreage to young fruit trees." Palmdale's population began to steadily increase. Irrigated lands in the Valley increased from 5000 acres in 1910, to 11,900 acres in 1919. The township apparently failed to impress at least one author who described it as "a lonely little town marking the terminus of the railroad", although he saw fit to comment on the "frequent cultivated fields which showed the fertility of this barren desert when irrigated" (Murphy 1921:306). Alfalfa, pears, and apples became staple crops in the area. Agriculture remained the primary industry of the Antelope Valley, with Palmdale serving as the "trading center of poultry and cattle ranchers and fruit growers" (Workers of the Writers' Program of the Work Projects Administration in Southern California [Writers' Program] 1941:397), until World War II. After World War II, Palmdale grew as a center for aerospace and defense industries with the

establishment of Edwards Air Force Base in Kern County and U.S. Air Force Plant 42 in Palmdale (Palmdale City Library 2006).

When Palmdale incorporated in 1962, its land area was 2.1 mi². By 1965, the city limits contained 22.4 mi², and by 1983, Palmdale had grown to 45 mi² and had 130 additional square miles in its planning area. Palmdale was the fastest growing city in the state in the 1980s, climbing 573 percent from a population of 12,227 in 1980 to 68,842 in 1990. Most of Palmdale's land is vacant (75%), providing space for continued growth and development in the future. Palmdale's growth in recent decades is not so much related to industrial growth as it is to the availability of affordable housing. Palmdale has become a 'bedroom' community, with a large number of residents commuting to the Los Angeles area to work. Although the aerospace industry remains the area's largest source of employment, both Palmdale and Lancaster are trying to entice industry and jobs into the area. Increased population in the last decade provides a large labor force available to employers, and is expected to attract more companies, thus broadening the area's economic base (Oxford Enterprises 2008).

# 4 CULTURAL RESOURCES INVENTORY

PaleoWest completed a literature review and records search at the SCCIC, housed at California, State University, Fullerton, on February 23, 2022. This inventory effort included the Project area and a 0.5-mi-radius around the Project area, collectively termed the Project study area. The objective of this records search was to identify prehistoric or historical cultural resources previously recorded within the study area during prior cultural resource investigations.

As part of the cultural resources inventory, PaleoWest staff also examined historical maps and aerial images to characterize the developmental history of the Project study area and vicinity. A summary of the results of the record search and background research are provided below.

# 4.1 PREVIOUS CULTURAL RESOURCES INVESTIGATIONS

The records search results indicate that no fewer than 26 previous cultural resource investigations have been completed within the Project study area since 1984 (Table 4-1). Seven of these studies include or intersect the Project area (LA-00162, LA-01422, LA-02837, LA-03017, LA-04329, LA-09679, and LA-10813). As a result, it appears that 100 percent of the Project area was previously inventoried for cultural resources between 1984 and 2011.

Table 4-1. Previous Cultural Investigations within the Project Study Area

Report No.	Year	Author(s)	Title	
LA-00162	1988	Pyramid Archaeology	Archaeology Report for Avenue M Right-of-way and Amargosa Culvert Project	
LA-01422	1984	Scientific Resource Surveys, Inc.	Van Nuys Air National Guard Relocation Study Air Force Plant #42, Palmdale Naval Air Station, Point Mugu, Norton Air Force Base	
LA-01799	1989	LSA Associates, Inc.	Historic Property Survey Report Widening Avenue City of Palmdale	
LA-01853	1986	_	An Archaeological Resource Survey and Impact Assessment of the Dean Parcel, Avenue N and Division Street, Palmdale, California	

Report No.	Year	Author(s)	Title	
LA-02476	1991	_	Environmental Impact Evaluation: an Archaeological Assessment of the Industry Trade Center Specific Plan Palmdale, California	
LA-02837	1993	McKenna et al.	Archaeological, Historical and Paleontological Investigations of the Propose Business Park Center Specific Plan Project Area, City of Palmdale, County of Los Angeles, California	
LA-03017	1994	_	Results of Archaeological Records Check for the Mojave Alternatives of the Pacific Pipeline Project Los Angeles County, California	
LA-03987	1997	Earth Tech	Cultural Resources Investigation for Air Force Plant 42, Los Angeles County	
LA-04008	1996	Science Applications International Corporation	Cultural Resources Investigation Pacific Pipeline Emidio Route	
LA-04329	1997	Earth Tech & Research Management Consultants Inc.	Historic Building Inventory and Evaluation Air Force Plant 42 Palmdale, California	
LA-04393	1998	C.A. Singer & Associates, Inc.	Cultural Resources Survey and Impact Assessment for a Commercial Property at the Intersection of Avenue M and Sierra Highway in the City of Lancaster, Los Angeles County, California.	
LA-04727	1989	LSA Associates, Inc.	Negative Archaeological Resource Survey - Avenue M	
LA-07519	2006	McKenna et al.	A Phase I Cultural Resources Investigation of the Associated ReadyMix Concrete, Inc. Property (APN 3126-016-026), Approximately 2.11 Acres in the City of Lancaster Los Angeles County, California	
LA-07967	2006	Hudlow Cultural Resource Associates	A Phase I Cultural Resource Survey for Property on Avenue M, APN 3128-013-015 and -016 City of Palmdale, California	
LA-07991	2006	CRM Tech	Cultural Resources Technical Report City of Lancaster General Plan Update	
LA-08427	2007	Jones & Stokes	Archaeological Survey Report for Southern California Edison Company 66kv Antelope Bus Split Project Los Angeles County, California	
LA-09143	2008	R.W. Robinson	A Cultural Resources Investigation of a One Acre Parcel In East Lancaster, California	
LA-09679	2008	ArchaeoPaleo Resource Management, Inc.	Cultural Resource and Paleontological Assessment, North Los Angeles / Kern County, Regional Recycled Water Master Plan, Los Angeles / East Kern Counties, California.	
LA-10623	2010	KAYA Associates, Inc.	Final - Historic Property Management Plan, Building 150, Air Force Plant 42, Palmdale, California 2010-2015	
LA-10642	2010	CRM Tech	Preliminary Historical/Archaeological Resources Study, Antelope Valley Line Positive Train Control (PTC) Project Southern California Regional Rail Authority, Lancaster to Glendale, Los Angeles County, California	
LA-10813	2011	RBF Consulting	Expansion Area Amendment to the Redevelopment Plans for the Merged Project Area	
LA-11034	2009	U.S. Army Corps of Engineers	Final Environmental Assessment (FEA) North Valley Regional Water Infrastructure Section Recycled Water 1 (RW1) Pipeline Project, City of Lancaster, Los Angeles County, California	

Report No.	Year	Author(s)	Title	
LA-11035	2010	Los Angeles District Corps of Engineers	Continued Consultation Regarding the North Valley Regional Water Infrastructure Recycled Water 1 Pipeline (RW1) Project, Lancaster, Los Angeles County, California	
LA-11453	2011	RSO Consulting	Archaeological Survey for the Southern California Edison Company: Nineteen Deteriorated Power Poles on the Petan 12KV, Forage 12KV, Hangar 12KV, Lupine 12KV, Assembly 12KV, Force 12KV, Moonglow 12KV, and Highes Lake 12KV circuits in Los Angeles County, CA	
LA-12670	2014	BCR Consulting	Cultural Resources Assessment for the Emsierra Project, Lancaster, Los Angeles County, California (BCR Consulting Project No. TRF1415)	
LA-13069	2014	Environmental Assessment Specialists, Inc	Cultural Resources Records Search and Site Visit Results for AT&T Mobility, LLC Candidate CLV6420 (Arrow Transit Mix), 507 East Avenue L-12, Lancaster, Los Angeles County, California. CASPR No. 3551699419	

<sup>\*</sup> Cultural Resources Studies in *bold italics* are within the Project area.

# 4.2 CULTURAL RESOURCES REPORTED WITHIN 0.5-MI OF THE PROJECT AREA

The records search indicated that 16 cultural resources were previously documented within the Project study area (Table 4-2). Most of these resources consist of Historic Period refuse scatters. Two of the previously recorded cultural resources (P-19-100024 and -100025) are mapped in the Project area. Resources P-19-100024 and P-19-100025 are both isolated prehistoric period flaked stone tools that were collected at the time they were recorded.

Table 4-2. Previously Recorded Cultural Resources within the Project Study Area

Primary No.	Trinomial	Туре	Age	Description	
P-19-002707	CA-LAN-2707H	Site	Historic	Light to moderate density historic refuse scatter	
P-19-002712	CA-LAN-2712H	Site	Historic	Seven dense historic refuse scatters	
P-19-002722	CA-LAN-2722H	Site	Historic	Light density historic refuse scatter	
P-19-002723	CA-LAN-2723H	Site	Historic	Light density historic refuse scatter	
P-19-002724	CA-LAN-2724H	Site	Historic	Light density historic refuse scatter	
P-19-002725	CA-LAN-2725H	Site	Historic	Light density historic refuse scatter mixed with modern refuse	
P-19-002726	CA-LAN-2726H	Site	Historic	Light density historic refuse scatter	
P-19-002727	CA-LAN-2727H	Site	Historic	Light density historic refuse scatter	
P-19-002728	CA-LAN-2728H	Site	Historic	Light density historic refuse scatter	
P-19-002729	CA-LAN-2729H	Site	Historic	Moderate density historic refuse scatter	
P-19-002730	CA-LAN-2730H	Site	Historic	Eight historic refuse scatters	
P-19-003709	_	Site	Historic	Water pump	
P-19-004791	CA-LAN-4791H	Site	Historic	Dense historic refuse scatter	

<sup>-</sup> Indicates authors are not known.

Primary No.	Trinomial	Туре	Age	Description
P-19-004792	CA-LAN-4792H	Site	Historic	Dense historic refuse scatter
P-19-100024	-	Isolate	Prehistoric	Isolated grey chert prehistoric projectile point
P-19-100025	_	Isolate	Prehistoric	Isolated brown chert prehistoric scraper

<sup>\*</sup> Cultural Resources Studies in **bold italics** are within the Project area.

# 4.3 ADDITIONAL SOURCES

Additional sources consulted during the cultural resource literature and data review include the National Register of Historic Places (NRHP), the Office of Historic Preservation Archaeological Determinations of Eligibility, and the Office of Historic Preservation Built Environment Resources Directory (BERD). There are no listed cultural resources recorded within the Project study area.

Historical maps and aerial images were also consulted as part of the background research. Maps that were examined as part of this effort include Elizabeth Lake, CA 30-minute (1915, 1917), Lancaster, CA 7.5-minute and 15-minute (1930, 1958), Lancaster East, CA 7.5-minute (1958), and Los Angeles, CA 1 degree by 2 degree (1949, 1955, 1975) USGS series maps (TopoView 2022). Historical aerial images were available on NETROnline dating to 1948, 1953, 1956, 1965, 1971, 1974, and 1994.

A single structure is shown in the northwest extent of the Project area on the 1915 and 1917 Elizabeth Lake, CA maps. The structure is not present on later topographic maps nor on aerial photographs suggesting it was demolished by 1930. Other development present in the vicinity of the Project area in the 1910s include the road which later become known as Sierra Highway and the SPRR. Aerial imagery indicates that since 1948, the Project area has remained largely undeveloped except for several dirt roads, including 10<sup>th</sup> Street E, and one small structure located near the eastern edge of the Project area (NETROnline 2022). Based on a review of Bureau of Land Management (BLM) General Land Office (GLO) records, this small structure is likely related to a homestead issued to Beverly Montague Forman in 1937 on land purchased from the U.S. Government through the Homestead Act of 1862 (BLM 2022). The building is visible on a 1948 aerial photograph. Although it appears to be demolished by 1953, remnants of the foundation can be seen in aerial images up until at least 2018. Although it is not mapped on any of the reviewed USGS topographic maps, the dirt roads that lead to the structure are depicted on maps from this period.

Finally, a buried site sensitivity analysis was conducted of the Project site to determine the potential for encountering subsurface cultural materials during construction activities. The Project area lacks many of the natural resources (e.g., springs or permanent water sources) that were exploited by prehistoric inhabitants of the region. A small ephemeral drainage intersects the northwestern corner of the Project area and runs in a southwest direction to Amargosa Creek, approximately one mile west of the Project area (TopoView 2022). No other hydrological features are present near the Project area. Rosamond and Rogers Dry Lake are approximately 11 mi to the north and Littlerock Wash is 6 mi to the east. Today, the Project study area is rural, consisting of undeveloped parcels where the original landform surface may still be observed. The underlying geology consists of Holocene quaternary alluvium comprising the unconsolidated fill of the Antelope Valley and has an estimated thickness of 100 ft or more

(Dibblee 1960). These deposits consist of unconsolidated to weakly consolidated fine to medium sand with fine gravel. Gravels are primarily from granitic sources with many subangular fine gravel quarts clasts. This depositional environment is generally not conducive to the preservation of buried cultural deposits due to the high energy involved in the transportation of sand and gravel. However, low to moderate energy deposits may exist in portions of the alluvial landscape that have a higher potential for site preservation. Given the lack of natural resources in the Project area and the low density of prehistoric sites identified in the records search area (two isolated artifacts), the Project area has a low to moderate sensitivity for preserving buried archaeological sites.

## 4.4 NATIVE AMERICAN COORDINATION

PaleoWest contacted the Native American Heritage Commission (NAHC) on February 1, 2022, for a review of the SLF. The objective of the SLF search was to determine if the NAHC had any knowledge of Native American cultural resources (e.g., traditional use or gathering area, place of religious or sacred activity, etc.) within the immediate vicinity of the Project area. The NAHC responded on March 24, 2022, stating that the SLF was completed with negative results. The NAHC suggested that nine individuals representing six local Native American groups be contacted to elicit information regarding cultural resource issues related to the proposed Project (Appendix A). PaleoWest sent outreach letters to the nine individuals on March 25, 2022 with follow-up phone calls conducted on April 1, 2022.

To date five responses have been received. The responses are summarized below and detailed in Appendix A.

- Jairo Avila of the Fernadeno Tataviam Band of Mission Indians responded via telephone and stated that there are multiple resources in the Project vicinity and the tribe considers the area to be sensitive. The tribe will provide more information to the Lead Agency during the AB 52 process.
- Jill McCormick of the Quechan Tribe of the Fort Yuma Reservation responded via email on March 28, 2022 and stated the Tribe has no comments on the Project and that they defer to the more local tribes and support their decisions on the Project.
- Donna Yochum of the San Fernando Band of Mission Indians responded via telephone that the Project area is sensitive for cultural resources and requests participation in the AB 52 process.
- Ryan Nordness of the San Manuel Band of Mission Indians responded via email that the proposed Project is located in an area with known cultural resources. The area is of great concern to the tribe and they wish to consult with the Lead Agency during AB 52.
- Mark Cochrane of the Serrano Nation of Mission Indians responded via telephone asking that if any cultural resources are identified during ground disturbance that Mr. Walker, Co-Chairperson of the Serrano Nation of Mission Indians, and Mr. Cochrane be notified.

# **5 RESEARCH DESIGN**

A research design is an explicit statement of the theoretical and methodological approaches to be followed in a cultural resources study (OHP 1990). Inventory studies, such as this one, rely on data from archaeological and historical resources visible on or above the ground surface with supplemental information provided by archival research and literature review (OHP 1991). In such studies, the focus of the research design is to ensure the adequacy of the identification effort. Should any identified resources within the Project area have sufficient age and integrity to warrant consideration for CRHR eligibility, then relevant research questions and data requirements may be posed to evaluate the significance of the resource and make recommendations regarding determinations of eligibility.

For the purposes of this study, one relevant research domain was identified: settlement of the western Antelope Valley. Use of the valley was, at first, associated with homesteading and transportation. Due to the remoteness and limited accessibility of resources, permanent settlements were few and far between. The following questions may be considered when examining the nature and extent of early settlements within the Project area.

- What evidence of Historic Period agriculture, ranching, and homesteading is present in the Project area?
- What specific activities were performed at these sites? Did these activities change over time?
- What is the age of these sites? How long were these settlements occupied and when were they abandoned?
- How do agriculture, ranching, and homesteading sites in the Project area reflect or diverge from regional or national trends?

Data Requirements (among the data needed to address the research guestions posed above):

- Chronological data from temporally diagnostic artifacts that can be used to assess the age of the sites;
- Artifact assemblages and features to identify the types of activities that were associated with each site;
- Artifacts (e.g., culinary artifacts, food preparation items, food containers and remains, clothing/grooming, personal hygiene, and medicinal items), that may be used to examine the social, ethnic, or economic background of the residents of the sites; and
- Documentary information in the form of U.S. Geological Survey historical maps, BLM GLO township plat maps, BLM land patent records, master title plat maps, and County assessor records to address questions of land ownership.

# 6 FIELD INVESTIGATION

## 6.1 FIELD METHODS

A cultural resources survey of the Project area was completed by PaleoWest Archaeologists Evan Mills, M.A., RPA and Gena Granger, M.A., RPA between March 21–25, 2022. The survey methods followed standard archaeological methods consisting of parallel pedestrian transects spaced at 10–15-meter (m) (33–50-ft) intervals when allowed by terrain and vegetation. Crew members also opportunistically examined any subsurface exposures, including rodent burrows and cut banks. Survey crews navigated the transects using georeferenced maps on iPad tablets and handheld global position system (GPS) units. Field iPads included all Project maps and relevant site forms. Identified resources were documented with an iSX-Blue data collector GPS unit with sub-meter accuracy that was compatible with iPad-based ESRI Fieldmaps for ArcGIS web application via Bluetooth.

The Project area was documented with digital photographs that included general views of the topography and vegetation density, and other images. A photograph log was maintained to include photograph number, date, orientation, photograph description, and comments. The surveyors carefully inspected all areas likely to contain or exhibit sensitive cultural resources to ensure discovery and documentation of and visible, potentially significant cultural resources located within the project area. In particular, the survey crews carefully inspected rocky outcroppings, creek banks, clearings, and other habitable flat spots.

The Project area is on the broad Antelope Valley floor. The area is characterized by a near level to gently sloping topography that is transected by numerous southwest-to-northeast running ephemeral desert washes. Vegetation is the area consisted primarily of open desert scrub that consists of largely scattered creosote bushes and desert landscapes.

All cultural materials and features of an eligible age were recorded during the surveys in accordance with OHP guidelines (OHP 1995). Materials and features that could not be accurately dated in the field were also recorded. Historic period indicators include standing buildings, objects, structures such as sheds, or concentrations of materials at least 45 years in age, such as domestic refuse (e.g., glass bottles, ceramics, toys, buttons, and leather shoes), refuse from other pursuits such as agriculture (e.g., metal tanks, farm machinery parts, and horse shoes) or structural materials (e.g., nails, glass window panes, corrugated metal, wood posts or planks, metal pipes and fittings, and railroad spurs). Prehistoric site indicators include areas of darker soil with concentrations of ash, charcoal, animal bone (burned or unburned), shell, flaked stone, ground-stone, pottery, or even human bone.

When artifacts were found during the surveys, site boundaries were defined by surveying out in widening concentric circles until artifacts were no longer encountered. Artifacts or features that were within 30 m of each other, or that were clearly related, were combined into the same isolate or site. All resources were digitally recorded in the field directly into a FileMaker database on iPad.

# 6.2 RESULTS AND CRHR ELIGIBILITY RECOMMENDATIONS

The Project area is composed of low-lying sand dunes and has an uphill southernly aspect with a 5–10 percent slope (Figure 6-1 and Figure 6-2). The soils are fine- to medium-grained alluvial

sandy loam and gravel that are light tan in color and made of quartz and granitic material. Vegetation within the Project area consists of moderately distributed Creosote Bush Scrub with creosote bush (*Larrea tridentata*), cheesebush (*Ambrosia salsola*), white bursage (*Ambrosia dumosa*), fourwing saltbush (*Atriplex canescens*), Joshua trees (*Yucca brevifolia*), and other low-lying grasses.

Ground visibility in Project area was good to excellent (70–100%). A small area of the southeastern Project area west of 10<sup>th</sup> Street East was not surveyed due to the presence of a temporary encampment with tents and multiple vehicles. This area was approximately 30 m (100 ft) in diameter and the archaeologists were able to survey the perimeter and look into the area that was not accessible. No cultural resources were observed within the encampment, and due to its location within a seasonal wash, it is unlikely that any intact cultural resources would occur there. In addition to the encampment, other noted disturbances in the Project area included modern trash and vehicular use.

A total of 15 newly identified archaeological sites were documented in the Project area (Table 6-1). All of these resources date to the Historic Period. As part of the survey effort, the mapped locations of the two previously collected prehistoric period isolates (P-19-100024 and P-19-100025) were also revisited. The purpose of the revisit was to examine these areas for any additional prehistoric materials that may be present in the Project area. No prehistoric period remains were identified as the result of the pedestrian survey. A description and significance evaluation of each of the newly identified cultural resources is provided below. Locations of these resources are shown in Appendix C. Department of Parks and Recreation (DPR) 523 forms are provided in Appendix B.



Figure 6-1. Overview of the Project area, facing southwest.



Figure 6-2. Overview of the Project area, facing southeast.

Table 6-1. Archaeological Sites Recorded in the Project Area

Temporary No	Age	Description	CRHR Eligibility Recommendation
21-0918-01H	Historic	Refuse scatter	Not eligible
21-0918-02H	Historic	Refuse scatter	Not eligible
21-0918-03H	Historic	Refuse scatter	Not eligible
21-0918-04H	Historic	Refuse scatter	Not eligible
21-0918-05H	Historic	Refuse scatter	Not eligible
21-0918-06H	Historic	Refuse scatter	Not eligible
21-0918-07H	Historic	Refuse scatter	Not eligible
21-0918-08H	Historic	Refuse scatter	Not eligible
21-0918-09H	Historic	Refuse scatter	Not eligible
21-0918-10H	Historic	Refuse scatter	Not eligible
21-0918-11H	Historic	Refuse scatter	Not eligible
21-0918-12H	Historic	Refuse scatter	Not eligible
21-0918-13H	Historic	Refuse scatter	Not eligible
21-0918-14H	Historic	Refuse scatter	Not eligible
21-0918-15H	Historic	House foundation, refuse scatter	Not eligible

#### 6.2.1 Site 21-0918-01H

Site 21-0918-01H is a historic period refuse scatter that measures 321 ft by 205 ft. The site consists of a scatter of historic cans and glass with two concentrations (Loci 1 and 2) of refuse items. Locus 1 contains more than 30 sanitary cans (church-key opened, coffee tins, and meat tins) and a clear glass round bottle base with a Maywood Glass manufacturing company maker's mark (1933–1961). Locus 2 contains more than 50 glass shards, aqua colored glass, and ceramic sherds. The shards of aqua glass appear to contain manufacturing bubbles and are embossed with "MADE IN USA". Additionally, an isolated shard of solarized colored amethyst (SCA) glass with "MAYDWELL-42" embossed on it was identified in Locus 2.

The assemblage, while not particularly diagnostic, dates from the early to mid-twentieth century and consists primarily of domestic refuse. An examination of historical maps indicates that there is no settlement within the vicinity of Site 21-0918-01H during this time. Given the proximity of the site to the SPRR, Sierra Highway, Avenue M, and an unnamed north-south running dirt road, it is likely that the site represents several episodes of opportunistic roadside dumping by local residents or travelers. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits. Site 21-0918-01H is in poor condition with modern refuse found across the site's boundary.

#### **CRHR** Eligibility

Site 21-0918-01H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the early part of the twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Section 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends Site 21-0918-01H be considered ineligible for inclusion in the CRHR.

#### 6.2.2 Site 21-0918-02H

Site 21-0918-2H is a historic period refuse scatter that measures 203 ft by 135 ft. The scatter consists of 2 evaporated milk hole-in-top cans, 7 flat top church-key opened cans, 1 hole-in-top can, 1 meat tin, and 16 sanitary cans. The assemblage represents a scatter of domestic refuse that dates from the early to mid-twentieth century.

An examination of historical maps indicates that there is no settlement within the vicinity of Site 21-0918-02H. The proximity of the site to the SPRR, Sierra Highway, and an unnamed north-south running dirt road, suggests that the refuse may represent a single episode of incidental dumping by local residents or travelers passing through the area. The scatter appears to be largely surficial, with no evidence found to indicate there are substantial buried deposits.

Site 21-0918-02H is in poor condition with artifacts displaced by alluvial and eolian processes and modern refuse found across the site's boundary.

#### **CRHR** Eligibility

Site 21-0918-02H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the early part of the twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Section 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends Site 21-0918-02H be considered ineligible for inclusion in the CRHR.

#### 6.2.3 Site 21-0918-03H

21-0918-03H is a historic period refuse scatter that measures 42 ft by 112 ft. It consists of two discrete concentrations (Loci 1 and 2) of refuse surrounded by a more dispersed scatter of metal cans. Locus 1 is 15 ft by 18 ft in area and contains more than 30 sanitary and evaporated milk hole-in-top cans and 50 pieces of opaque milk, brown, and clear bottle glass. One brown round glass bottle base had an Owens-Illinois maker's mark on the base indicating it was manufactured in 1954. Locus 2 is 22 ft by 5 ft in area and is composed of more than 19 sanitary cans and 30 pieces of brown, cobalt blue, and colorless bottle glass. One colorless round glass bottle base had an Owens-Illinois maker's mark that dates to 1940–1963. The assemblage appears represent a scatter of domestic refuse that dates to the mid-twentieth century.

An examination of historical maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-03H during the mid-twentieth century. The site is adjacent to an unnamed east-west oriented dirt road that, based on analysis of aerial photographs, was constructed between 1953 and 1956. This suggests that the site is the result of opportunistic roadside dumping by local residents or travelers. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits. Site 21-0918-03H is in poor condition with artifacts displaced by alluvial and eolian processes and modern refuse found across the site's boundary.

# **CRHR** Eligibility

Site 21-0918-03H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not

embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Section 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-03H be considered ineligible for inclusion in the CRHR.

#### 6.2.4 Site 21-0918-04H

Site 21-0918-04H is a small, historic period refuse scatter that measures 55 ft by 53 ft. The site consists of 6 flat-top church-key opened cans, 2 sanitary cans, and 1 coffee can. The assemblage, while not particularly diagnostic, likely dates to the early to mid-twentieth century and consists primarily of domestic refuse.

An examination of historical maps indicates that although there is no evidence of settlement within the vicinity of Site 21-0918-04H and that there are several dirt roads are present in the vicinity of the site by the mid-1950s. This suggests that the refuse may represent a single episode of incidental dumping by local residents or travelers passing through the area. The scatter appears to be largely surficial, with no evidence found to indicate there are substantial buried deposits. Site 21-0918-04H is in poor condition with artifacts displaced by alluvial and eolian processes and modern refuse found across the site's boundary.

# **CRHR** Eligibility

Site 21-0918-04H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers in the early to mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Section 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-04H be considered ineligible for inclusion in the CRHR.

#### 6.2.5 Site 21-0918-05H

Site 21-0918-05H is a historic period refuse scatter that measures 177 ft by 233 ft. The site consists of a single concentration (Locus 1) of over 30 glass shards and 25 crushed metal cans. The locus is 30 ft by 26 ft and contained a colorless round glass bottle base with a Hazel Atlas Glass Company maker's mark dating between 1920–1964. Outside of the concentration is 1 cone-top beer can, 2 flat-top church-key opened cans, 2 hole-in-top cans, 1 meat tin, 14 sanitary

cans, and 1 coffee can. Many of the cans contain multiple bullet holes suggesting use for target practice. Site 21-0918-05H is in poor condition with artifacts displaced by alluvial and eolian processes and modern refuse found across the site's boundary.

An examination of historical maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-05H during the mid-twentieth century. The site is adjacent to an unnamed east-west oriented dirt road that, based on analysis of aerial photographs, was constructed between 1953 and 1956. This suggests that the site is the result of one or more episodes of opportunistic roadside dumping by local residents or travelers beginning in the 1950s. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

#### **CRHR** Eligibility

Site 21-0918-05H contains consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Section 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-05H be considered ineligible for inclusion in the CRHR.

#### 6.2.6 Site 21-0918-06H

21-0918-06H is a historic period refuse scatter that measures 311 ft by 191 ft. It consists of more than 50 crushed cans and 60 glass bottle fragments. Observed cans include 1 cone-top beer can, 2 flat-top church-key opened cans, 1 flat-top knife-opened can, 2 hole-in-top cans, 2 meat tins, 27 sanitary cans, 8 coffee cans, and 6 large sanitary cans. The glass is comprised of colorless, green, brown, olive, and aqua glass bottle glass. One colorless round glass bottle base with an Owens Illinois maker's mark (1954–Present) was observed within the refuse scatter. Site 21-0918-06H is in poor condition with artifacts displaced by alluvial and eolian processes and modern refuse found across the site's boundary.

An examination of historic maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-06H during the mid-twentieth century. The site is located adjacent to an unnamed north-south oriented dirt road, which, based on analysis of aerial photographs, was constructed between 1953 and 1956. This suggests that the site is the result of one or more episodes of opportunistic roadside dumping by local residents or travelers beginning in the 1950s. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# **CRHR** Eligibility

Site 21-0918-06H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-06H be considered ineligible for inclusion in the CRHR.

# 6.2.7 Site 21-0918-07H

21-0918-07H is a historic period refuse scatter that measures 90 ft by 187 ft. The site consists of more than 30 crushed metal cans that include 1 cone-top beer can, 1 evaporated milk can, 4 flat-top church-key opened cans, 1 hole-in-top can, 2 meat tins, 1 pull-tab beverage can, 5 sanitary cans, 2 large coffee cans, and 6 large sanitary cans. More than 30 fragments of bottle glass were also present and were comprised of colorless and olive-green glass. Site 21-0918-07H is in poor condition with artifacts displaced by alluvial and eolian processes and modern refuse consisting of a battery and ceramics found within the site's boundary.

An examination of historic maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-07H during the mid-twentieth century. The site is located adjacent to an unnamed east-west oriented dirt road, which, based on analysis of aerial photographs, was constructed between 1953 and 1956. This suggests that the site is the result of one or more episodes of opportunistic roadside dumping by local residents or travelers beginning in the 1950s. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

## CRHR Eligibility

Site 21-0918-07H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed

research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-07H be considered ineligible for inclusion in the CRHR.

# 6.2.8 Site 21-0918-08H

21-0918-08H is a historic period refuse scatter that measures 230 ft by 277 ft. The scatter is composed of more than 20 fragments of colorless and green bottle glass. More than 40 crushed metals were also identified including 1 evaporated milk can, 9 flat-top knife-opened cans, 15 hole-in-top cans, 2 meat tin cans, 14 sanitary cans, 2 hole-in-cap rectangular cans, 3 hingetop tobacco tins, 3 large sanitary cans, and 1 coffee can. Approximately 10 ceramic fragments were observed including five sherds of Churchill Blue Willow ceramics dating to the 1920s. Finally, a metal pipe with a small spout was documented with a utility can attached to it. The site is in poor condition and appears to have been impacted by alluvial and eolian processes.

The majority of artifacts at the site date to the early to mid-twentieth century. An examination of historic maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-08H during this time period. The proximity of the site to 10<sup>th</sup> Street E., a north-south oriented dirt road that was constructed by the 1930s, suggests that the scatter is the result of several episodes of opportunistic roadside dumping by local residents or travelers. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# **CRHR** Eligibility

Site 21-0918-08H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the early to mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-08H be considered ineligible for inclusion in the CRHR.

#### 6.2.9 Site 21-0918-09H

21-0918-09H is a small historic period refuse scatter that measures 20 ft by 22 ft. The scatter is comprised of more than 30 ceramic sherds, 150 glass bottle fragments, approximately 20 metal cans and lids. Three glass bottle bases were identified with maker's marks. These include a brown glass bottle base with an Anchor-Hocking Glass Company maker's mark dating 1938-1971, a colorless glass round bottle base with a Glass Containers Incorporated maker's mark

dating 1945-1971, and a colorless glass round bottle base with a Knox Glass Bottle Company maker's mark dating 1924-1971. The cans within the scatter included one evaporated milk can, two flat-top knife-opened cans, two sanitary cans, and one hole-in-top can. The site is in poor condition and appears to have been impacted by alluvial and eolian processes.

The majority of artifacts at the site date to the early to mid-twentieth century. An examination of historic maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-09H during this time period. The proximity of the site to 10<sup>th</sup> Street E, a north-south oriented dirt road that was in use by the 1930s, suggests that the scatter is the result of opportunistic roadside dumping by local residents or travelers. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# **CRHR** Eligibility

Site 21-0918-09H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the early to mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-09H be considered ineligible for inclusion in the CRHR.

#### 6.2.10 Site 21-0918-10H

21-0918-10H is a historic period refuse scatter that measures 150 ft by 256 ft. It consists of more than 20 metal cans, including 17 flat-top church-key opened cans, 2 pull-tab beverage cans, 5 sanitary cans, 1 small sanitary can, and 1 coffee tin. The site is in poor condition and appears to have been impacted by alluvial and eolian processes with modern refuse scattered across the site.

An examination of historic maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-10H during the mid-twentieth century. The site is located adjacent to an unnamed east-west oriented dirt road, which, based on analysis of aerial photographs, was constructed between 1953 and 1956. This suggests that the site is the result of one or more episodes of opportunistic roadside dumping by local residents or travelers beginning in the 1950s. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# CRHR Eligibility

Site 21-0918-10H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the mid-twentieth century. The site contains no evidence to

indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-10H be considered ineligible for inclusion in the CRHR.

#### 6.2.11 Site 21-0918-11H

21-0918-11H is a historic period refuse scatter that measures 100 ft by 91 ft. It consists of more than 30 metal cans and glass bottle fragments. Identified cans include one evaporated milk can, four flat-top church-key opened cans, one meat tin, one sanitary can, eight small sanitary cans, and one coffee tin. Brown, colorless, green, and modern blue bottle glass were documented at the site. A colorless round glass bottle base with a Brockway Glass Company maker's mark dating between 1907-1971 was also observed within the refuse scatter. The site is in poor condition and appears to have been impacted by alluvial and eolian processes with modern refuse, including modern bricks and aerosol cans, scattered across the site.

An examination of historic maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-11H during the mid-twentieth century. The site is located adjacent to an unnamed east-west oriented dirt road, which, based on analysis of aerial photographs, was constructed between 1953 and 1956. This suggests that the site is the result of one or more episodes of opportunistic roadside dumping by local residents or travelers beginning in the 1950s. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# **CRHR** Eligibility

Site 21-0918-11H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-11H be considered ineligible for inclusion in the CRHR.

## 6.2.12 Site 21-0918-12H

21-0918-12H is a historic period refuse scatter that measures 48 ft by 57 ft and consists of more than 30 metal cans including 9 evaporated milk cans, 12 sanitary cans, 3 large sanitary cans, and 2 sanitary knife-opened cans. Additionally, approximately 10 fragments of hole-in-top and sanitary cans were observed within the scatter. The site is in poor condition and appears to have been impacted by alluvial and eolian processes with modern refuse scattered across the site.

An examination of historic maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-12H during the early to mid-twentieth century. The proximity of the site to 10<sup>th</sup> Street E., a north-south oriented dirt road that was in use since the 1930s, suggests that the refuse deposit the result of episodes of opportunistic roadside dumping by local residents or travelers during the early to mid-twentieth century. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# **CRHR** Eligibility

Site 21-0918-12H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the early to mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-12H be considered ineligible for inclusion in the CRHR.

# 6.2.13 Site 21-0918-13H

Site 21-0918-13H is a historic period refuse scatter that measures 290 ft by 154 ft. The site contains over 50 metal cans that include 1 cone-top beer can, 5 evaporated milk cans, 7 flat-top church-key opened cans, 1 hole-in-top can, 24 sanitary cans, 3 tobacco tins, and 2 coffee tins. In addition, there are more than 500 can fragments that appear to mostly be remnants of sanitary and evaporated milk cans and their lids. There are also more than 10,000 bottle fragments made of colorless, brown, olive green, cobalt blue, and opaque milk glass. Two diagnostirc glass bottle bases were identified including one colorless oval glass bottle base with a Hazel Atlas maker's mark dating to 1920-1964 and a colorless round glass bottle base with a Latchford-Marble Glass Company maker's mark dating between 1939-1957. A variety of modern refuse was also identified at the site including ceramics, porcelain, and ribbed cans.

An examination of historic maps and aerial images indicates that there is no settlement within the vicinity of Site 21-0918-13H during the early to mid-twentieth century. The proximity of the site to 10<sup>th</sup> Street E., a north-south oriented dirt road that was in use since the 1930s, suggests

that the refuse deposit the result of multiple episodes of opportunistic roadside dumping by local residents or travelers during the early to mid-twentieth century. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# **CRHR** Eligibility

Site 21-0918-13H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the early to mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-13H be considered ineligible for inclusion in the CRHR.

# 6.2.14 21-0918-14H

21-0918-14H is a historic period refuse scatter that measures 165 ft by 214 ft. The scatter contains more than 50 metal cans including 2 cone-top beer cans, 5 evaporated milk cans, 4 flat-top church-key opened cans, 4 flat-top knife-opened cans, 2 hole-in-top cans, 4 meat tins, 3 pull-tab beverage cans, 23 sanitary cans, 10 large sanitary cans, and 4 metal plates/containers. More than 500 can fragments were observed within the scatter appear to be the remnants of sanitary, hole-in-top, and church-key opened cans. The glass shards scatter includes more than 1,000 pieces of colorless, brown, and olive green bottle glass. Three glass bottle bases exhibit maker's marks including a colorless round glass bottle base with a Hazel Atlas maker's mark dating 1920-1964, a colorless round glass bottle base with a Glass Containers Incorporated maker's mark dating between 1933-1971, and a brown square glass bottle base with an Owen's Illinois Glass Company with Duraglass maker's mark dating between 1940-1963. Additionally, modern paint cans, ribbed cans, and bricks were present within the site.

An examination of historic maps and aerial images indicates that there is no settlement within the immediate vicinity of Site 21-0918-14H during the early to mid-twentieth century. The proximity of the site to 10<sup>th</sup> Street E., a north-south oriented dirt road that was in use since the 1930s, suggests that the refuse deposit the result of repeated episodes of opportunistic roadside dumping by local residents and travelers throughout the first half of the twentieth century. The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# **CRHR** Eligibility

Site 21-0918-14H consists of a scatter of domestic refuse that was likely deposited by local residents or travelers during the early to mid-twentieth century. The site contains no evidence to indicate that the historic refuse is linked to early settlement-related activities that made a

significant contribution to the broad patterns of our history. Furthermore, it cannot be associated or linked to any important persons in California's history. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the refuse scatter exhibits no clear temporal or historically significant association, it cannot produce information that would answer directed research questions presented in Chapter 5 and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-14H be considered ineligible for inclusion in the CRHR.

# 6.2.15 21-0918-15H

21-0918-15H is a historic period house foundation and refuse scatter that measures 1,017 ft by 1,213 ft. The site consists of one concrete foundation with two small extensions, and thousands of pieces of historic refuse (e.g., glass, cans, ceramics) dating to the early to midtwentieth century. The rectangular concrete foundation (Feature 1) measures 14 ft by 19 ft; the foundation has two small extensions on its northeast and southwest corners, each of which measure 4.5 ft by 3 ft. The pads are in very good condition with very few cracks in the concrete. No other structural remnants exist on the property.

A variety of metal cans were identified in the associated refuse scatter including 12 evaporated milk cans, 33 flat top beverage cans (church key), 4 flat top knife opened cans, 4 meat tins, 3 pull tab cans, and 34 sanitary cans (all sizes). Maker's marks identified on bottle glass include one Phillips brand cobalt blue base (1890s-1960s) and a Glass Containers Company (clear) bottle base (1945-1971). Additionally, there are thousands of non-diagnostic glass bottle fragments, metal cans and can fragments, and ceramic sherds on the site. The site is in poor condition and appears to have been impacted by alluvial and eolian processes with modern refuse scattered across the site.

Review of BLM GLO records indicate that the site is on a homestead issued to Beverly Mintague Forman in 1937 on the northeast corner of Section 2 of Range 12 West, Township 6 North (BLM 2022). Archival research produced no information on Mr. Forman and his role in settlement of the area. Although the date of construction of the house is not known, a building can be seen on 1948 aerial image in the approximate location of the foundation remnants (NetROnline 2022). The building appears to be demolished sometime between 1948 and 1953.

The site appears to be largely surficial, with no evidence found to suggest there are substantial buried deposits.

# **CRHR** Eligibility

Site 21-0918-15H contains no evidence to indicate that the remains are linked to settlement-related activities that made a significant contribution to the broad patterns of our history. Furthermore, Beverly Montague Forman does not appear to have been an important person in California's past. As such, the site is not recommended eligible for listing in the CRHR under Criterion 1 or 2. The artifacts and building foundation do not embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master,

or possess high artistic values, or represent a significant and distinguishable entity whose components may lack individual distinction; therefore, the site is not significant under Criterion 3. Finally, because the artifact scatter and building foundation exhibit no clear temporal or historically significant association, the site cannot produce information that would answer directed research questions and has very limited data potential. As a result, the site is not significant under Criterion 4.

PaleoWest recommends 21-0918-15H be considered ineligible for inclusion in the CRHR.

# 7 MANAGEMENT RECOMMENDATIONS

The cultural resource assessment included record searches, background research, and a pedestrian survey of the Project area. As a result of these efforts, 15 cultural resources were identified in the Project area, all of which are archaeological sites dating to the historic period. None of the sites have been recommended eligible for listing in the CRHR. Geological information reviewed for the project appears to indicate that the buried site sensitivity for the Project area is low to moderate.

Based on these findings, PaleoWest does not recommend any additional cultural resource management for the proposed Project. In the unlikely event that potentially significant cultural materials are encountered during Project-related ground-disturbing activities, all work should be halted in the vicinity of the discovery until a qualified archaeologist can visit the site of discovery and assess the significance of the archaeological resource. In addition, Health and Safety Code 7050.5, CEQA 15064.5(e), and Public Resources Code 5097.98 mandate the process to be followed in the unlikely event of an accidental discovery of any human remains in a location other than a dedicated cemetery. Finally, should additional actions be proposed outside the currently defined Project area that have the potential for additional subsurface disturbance, further cultural resource management may be required.

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# Appendix A. Native American Coordination

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# **Sacred Lands File & Native American Contacts List Request**

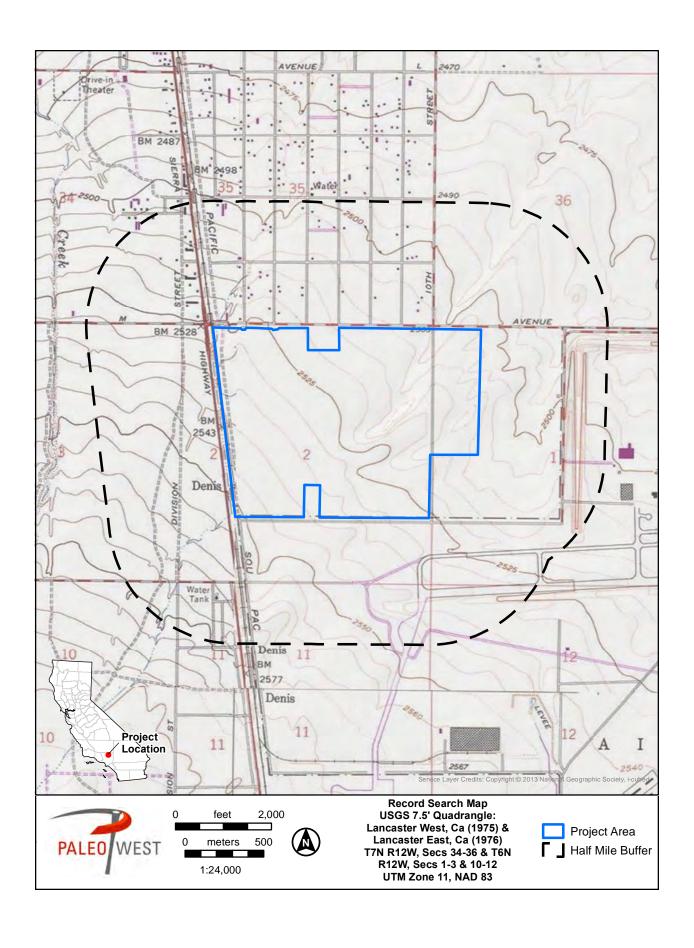
# NATIVE AMERICAN HERITAGE COMMISSION

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

Information Below is Required for a Sacred Lands File Search

Project:		Antelope Valley Commerce Center (21-0918)						
County:	ty: Los Angeles							
USGS ( Name: Townsh	Quadrangl  ip:	e See attac Rang		Section(s):				
Compar	ny/Firm/A	gency:						
Contact	Person:	Kyle Knal						
Street A	ddress:	: 517 S. Ivy Avenue						
City:	Moı	nrovia		,	Zip:	91016		
Phone:	626-376	6-6729	Extension:					
Fax:								
Email: kknabb@paleowest.com								
Project 1	Descriptio	on:						
Proj	ect Locati	on Map is a	attached					

SLF&Contactsform: rev: 05/07/14





# NATIVE AMERICAN HERITAGE COMMISSION

March 24, 2022

Kyle Knabb PaleoWest Archaeology

Via Email to: <a href="mailto:kknabb@paleowest.com">kknabb@paleowest.com</a>

Re: Antelope Valley Commerce Center (21-0918) Project, Los Angeles County

Dear Mr. Knabb:

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 <u>negative</u>. However, the absence of specific site information in the SLF does not indicate the absence of cultural resources in any project area. 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 me. 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: <a href="mailto:Andrew.Green@nahc.ca.gov">Andrew.Green@nahc.ca.gov</a>.

Sincerely,

Andrew Green Cultural Resources Analyst

Indrew Green

Attachment

CHAIRPERSON Laura Miranda Luiseño

VICE CHAIRPERSON Reginald Pagaling Chumash

Parliamentarian Russell Attebery Karuk

Secretary
Sara Dutschke
Miwok

COMMISSIONER
William Mungary
Paiute/White Mountain
Apache

COMMISSIONER Isaac Bojorquez Ohlone-Costanoan

COMMISSIONER Buffy McQuillen Yokayo Pomo, Yuki, Nomlaki

Commissioner Wayne Nelson Luiseño

Commissioner Stanley Rodriguez Kumeyaay

EXECUTIVE SECRETARY Christina Snider Pomo

NAHC HEADQUARTERS 1550 Harbor Boulevard Suite 100 West Sacramento, California 95691 (916) 373-3710 nahc@nahc.ca.gov NAHC.ca.gov

#### Native American Heritage Commission Native American Contact List Los Angeles County 3/24/2022

**Tataviam** 

Cahuilla

Serrano

Quechan

Quechan

# Fernandeno Tataviam Band of Mission Indians

Jairo Avila, Tribal Historic and Cultural Preservation Officer 1019 Second Street, Suite 1

San Fernando, CA, 91340 Phone: (818) 837 - 0794 Fax: (818) 837-0796 jairo.avila@tataviam-nsn.us

#### Morongo Band of Mission Indians

Ann Brierty, THPO 12700 Pumarra Road Banning, CA, 92220 Phone: (951) 755 - 5259

Fax: (951) 572-6004 abrierty@morongo-nsn.gov

#### Morongo Band of Mission Indians

Robert Martin, Chairperson 12700 Pumarra Road Cahuilla Banning, CA, 92220 Serrano

Phone: (951) 755 - 5110 Fax: (951) 755-5177 abrierty@morongo-nsn.gov

# Quechan Tribe of the Fort Yuma Reservation

Jill McCormick, Historic Preservation Officer P.O. Box 1899

Yuma, AZ, 85366 Phone: (760) 572 - 2423

historicpreservation@quechantrib

e.com

# Quechan Tribe of the Fort Yuma Reservation

Manfred Scott, Acting Chairman Kw'ts'an Cultural Committee P.O. Box 1899

Yuma, AZ, 85366 Phone: (928) 750 - 2516 scottmanfred@yahoo.com

#### San Fernando Band of Mission Indians

Donna Yocum, Chairperson
P.O. Box 221838

Newhall, CA, 91322

Phone: (503) 539 - 0933

Fax: (503) 574-3308

ddyocum@comcast.net

Kitanemuk
Vanyume
Tataviam
Tataviam

#### San Manuel Band of Mission Indians

Jessica Mauck, Director of
Cultural Resources
26569 Community Center Drive Serrano
Highland, CA, 92346
Phone: (909) 864 - 8933
Jessica.Mauck@sanmanuelnsn.gov

#### Serrano Nation of Mission Indians

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

#### Serrano Nation of Mission Indians

Mark Cochrane, Co-Chairperson
P. O. Box 343
Patton, CA, 92369
Phone: (909) 528 - 9032
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 Resource Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed Antelope Valley Commerce Center (21-0918) Project, Los Angeles County.

Groups Contacted	Date of Correspondence	Tribal Response
Fernandeno Tataviam Band of Mission Indians Jairo Avila, Tribal Historic and Cultural Preservation Officer 1019 Second Street, Suite 1 San Fernando, CA, 91340 Phone: (818) 837 - 0794 Fax: (818) 837-0796 jairo.avila@tataviam-nsn.us	3/25/2022 via email; 4/1/2022 via phone	Mr. Avila responded via telephone who stated that there are multiple resources in the project vicinity and the tribe considers the Project area sensitive. The tribe will provide more information to the Lead Agency during the AB52 process.
Morongo Band of Mission Indians Robert Martin, Chairperson 12700 Pumarra Road Banning, CA, 92220 Phone: (951) 755 - 5110 Fax: (951) 755-5177 abrierty@morongo-nsn.gov	3/25/2022 via email; 4/1/2022 via phone	
Morongo Band of Mission Indians Ann Brierty, Tribal Historic Preservation Officer 12700 Pumarra Road Banning, CA, 92220 Phone: (951) 755 - 5259 Fax: (951) 572-6004 abrierty@morongo-nsn.gov	3/25/2022 via email; 4/1/2022 via phone	
Quechan Tribe of the Fort Yuma Reservation Manfred Scott, Acting Chairman Kw'ts'an Cultural Committee P.O. Box 1899 Yuma, AZ, 85366 Phone: (928) 750 - 2516 scottmanfred@yahoo.com	3/25/2022 via email;	See below
Quechan Tribe of the Fort Yuma Reservation Jill McCormick, Historic Preservation Officer P.O. Box 1899 Yuma, AZ, 85366 Phone: (760) 572 – 2423 historicpreservation@quechantribe.com	3/25/2022 via email; 3/28/2022 via email	Ms. McCormick responded via email on 3/28/2022 that the Tribe has no comments on the Project and that they defer to the more local Tribes and support their decisions on the Project.

Groups Contacted	Date of Correspondence	Tribal Response
San Fernando Band of Mission Indians Donna Yocum, Chairperson P.O. Box 221838 Newhall, CA, 91322 Phone: (503) 539 - 0933 Fax: (503) 574-3308 ddyocum@comcast.net	3/25/2022 via email; 4/1/2022 via phone	Ms. Donna Yochum, Chairperson of the San Fernando Band of Mission Indians, responded via telephone that the Project area is sensitive for cultural resources and requests participation in the AB52 process.
San Manuel Band of Mission Indians Jessica Mauck, Director of Cultural Resources 26569 Community Center Drive Highland, CA, 92346 Phone: (909) 864 - 8933 Jessica.Mauck@sanmanuel-nsn.Gov	3/25/2022 via email;	Ryan Nordness, Cultural Resource Analyst responded on 3/28/2022 via email that the proposed Project is located in an area with known cultural resources. The area is of great concern to SMBMI and the tribe wishes to consult with the Lead Agency during AB52.
Serrano Nation of Mission Indians Wayne Walker, Co-Chairperson P. O. Box 343 Patton, CA, 92369 Phone: (253) 370 - 0167 serranonation1@gmail.com	3/25/2022 via email; 4/1/2022 via phone	See below
Serrano Nation of Mission Indians Mark Cochrane, Co-Chairperson P. O. Box 343 Patton, CA, 92369 Phone: (909) 528 - 9032 serranonation1@gmail.com	3/25/2022 via email; 4/1/2022 via phone	Mr. Cochrane responded via telephone asking that if any cultural resources are identified during ground disturbance that Mr. Walker and Mr. Cochrane be notified.



Jairo Avila, Fernandeno Tataviam Band of Mission Indians 1019 Second Street, Suite 1 San Fernando, CA, 91340 Transmitted via email to jairo.avila@tataviam-nsn.us

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Mr. Avila,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

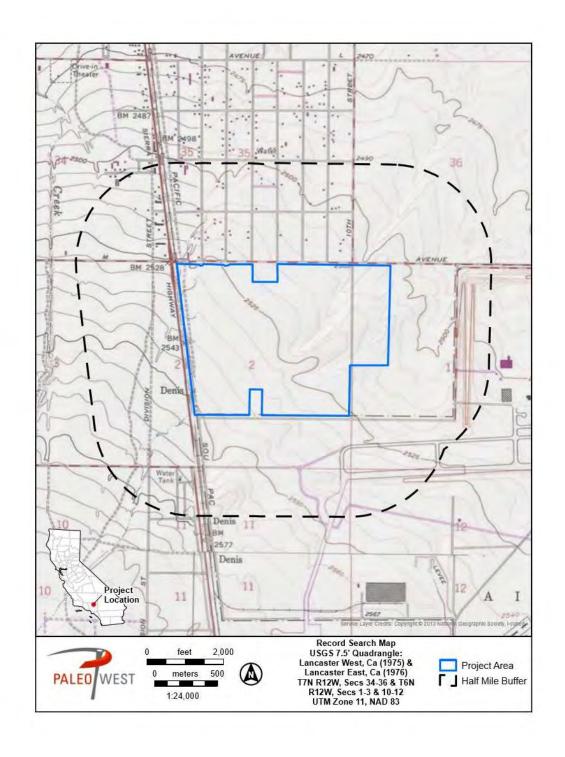
The proposed Project includes the development of approximately 400 acres of undeveloped land for industrial, regional commercial, and open space bounded by Avenue M to the north and Sierra Highway to the west (see attached map).

A cultural resource literature review and records search conducted at the South Central Coastal Information Center indicates that 14 historic period resources and two prehistoric resources have been identified within a one-half-mile radius of the Project area.

As part of the cultural resource investigation of the Project area, PaleoWest requested a search of the Native American Heritage Commission's (NAHC's) Sacred Lands File (SLF). The NAHC responded on March 24, 2022 indicating that that their search of the SLF was negative. However, should your records show that cultural properties exist within or near the Project area, please contact me at (626) 376-6729 or <a href="kknabb@paleowest.com">kknabb@paleowest.com</a>.

Your comments are very important to us, and to the successful completion of this Project. I look forward to hearing from you in the near future.

Sincerely,





Ann Brierty, Morongo Band of Mission Indians 12700 Pumarra Road Banning, CA, 92220 Transmitted via email to abrierty@morongo-nsn.gov

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Ms. Brierty,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

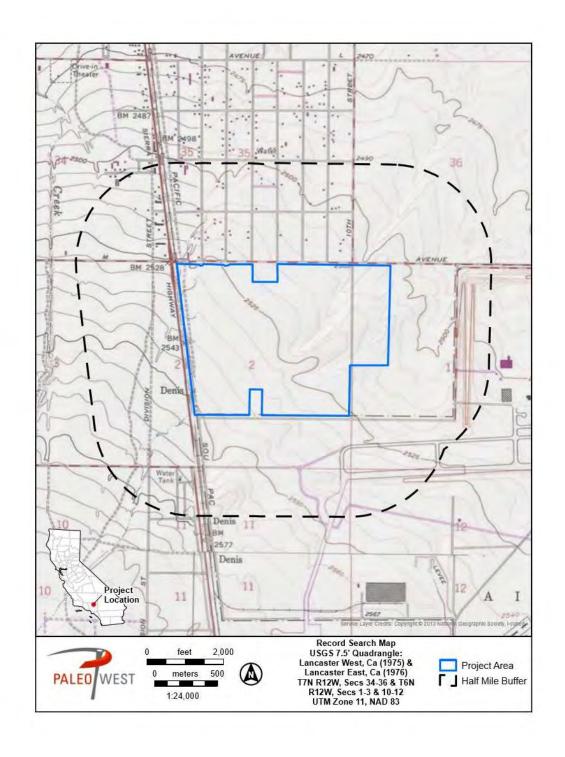
The proposed Project includes the development of approximately 400 acres of undeveloped land for industrial, regional commercial, and open space bounded by Avenue M to the north and Sierra Highway to the west (see attached map).

A cultural resource literature review and records search conducted at the South Central Coastal Information Center indicates that 14 historic period resources and two prehistoric resources have been identified within a one-half-mile radius of the Project area.

As part of the cultural resource investigation of the Project area, PaleoWest requested a search of the Native American Heritage Commission's (NAHC's) Sacred Lands File (SLF). The NAHC responded on March 24, 2022 indicating that that their search of the SLF was negative. However, should your records show that cultural properties exist within or near the Project area, please contact me at (626) 376-6729 or <a href="kknabb@paleowest.com">kknabb@paleowest.com</a>.

Your comments are very important to us, and to the successful completion of this Project. I look forward to hearing from you in the near future.

Sincerely,







Co-Chairman Mark Cochrane, Serrano Nation of Mission Indians P. O. Box 343 Patton, CA, 92369 Transmitted via email to serranonation1@gmail.com

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Chairman Cochrane,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

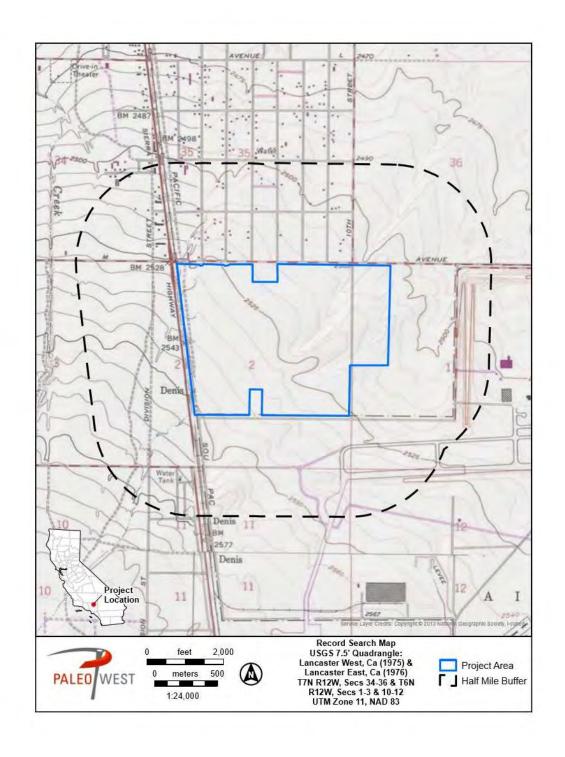
The proposed Project includes the development of approximately 400 acres of undeveloped land for industrial, regional commercial, and open space bounded by Avenue M to the north and Sierra Highway to the west (see attached map).

A cultural resource literature review and records search conducted at the South Central Coastal Information Center indicates that 14 historic period resources and two prehistoric resources have been identified within a one-half-mile radius of the Project area.

As part of the cultural resource investigation of the Project area, PaleoWest requested a search of the Native American Heritage Commission's (NAHC's) Sacred Lands File (SLF). The NAHC responded on March 24, 2022 indicating that that their search of the SLF was negative. However, should your records show that cultural properties exist within or near the Project area, please contact me at (626) 376-6729 or <a href="kknabb@paleowest.com">kknabb@paleowest.com</a>.

Your comments are very important to us, and to the successful completion of this Project. I look forward to hearing from you in the near future.

Sincerely,







Chairman Robert Martin, Morongo Band of Mission Indians 12700 Pumarra Road Banning, CA, 92220 Transmitted via email to abrierty@morongo-nsn.gov

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Chairman Martin,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

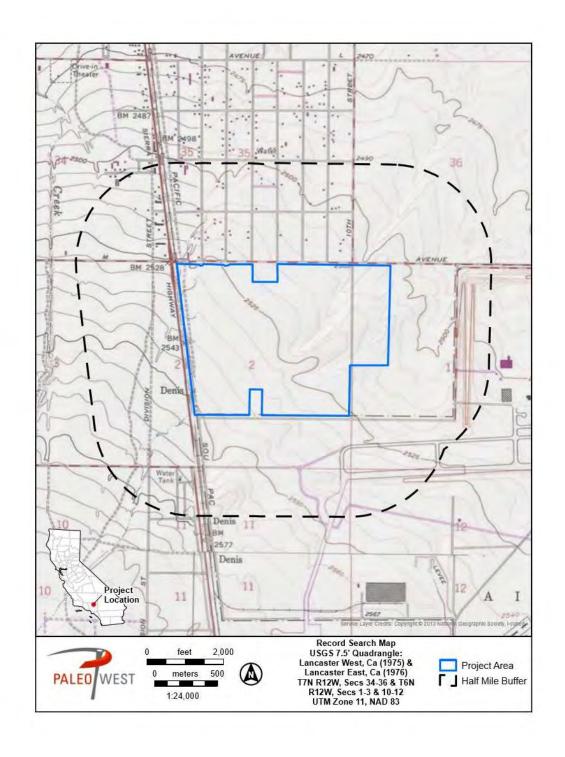
The proposed Project includes the development of approximately 400 acres of undeveloped land for industrial, regional commercial, and open space bounded by Avenue M to the north and Sierra Highway to the west (see attached map).

A cultural resource literature review and records search conducted at the South Central Coastal Information Center indicates that 14 historic period resources and two prehistoric resources have been identified within a one-half-mile radius of the Project area.

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Your comments are very important to us, and to the successful completion of this Project. I look forward to hearing from you in the near future.

Sincerely,





Jessica Mauck, San Manuel Band of Mission Indians 26569 Community Center Drive Highland, CA, 92346 Transmitted via email to Jessica.Mauck@sanmanuel-nsn.gov

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Ms. Mauck,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

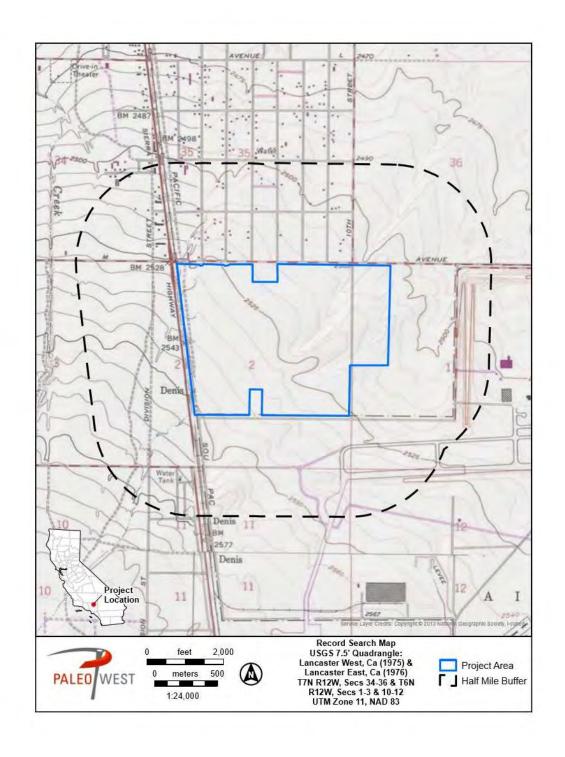
The proposed Project includes the development of approximately 400 acres of undeveloped land for industrial, regional commercial, and open space bounded by Avenue M to the north and Sierra Highway to the west (see attached map).

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Your comments are very important to us, and to the successful completion of this Project. I look forward to hearing from you in the near future.

Sincerely,





Jill McCormick, Quechan Tribe of the Fort Yuma Reservation P.O. Box 1899
Yuma, AZ, 85366
Transmitted via email to historicpreservation@quechantribe.com

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Ms. McCormick,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

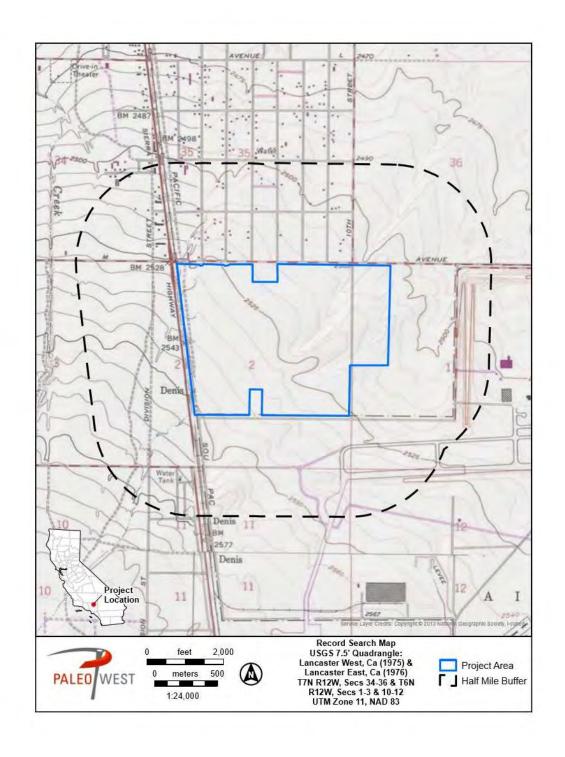
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Your comments are very important to us, and to the successful completion of this Project. I look forward to hearing from you in the near future.

Sincerely,





Chairman Manfred Scott, Quechan Tribe of the Fort Yuma Reservation P.O. Box 1899 Yuma, AZ, 85366 Transmitted via email to scottmanfred@yahoo.com

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Chairman Scott,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

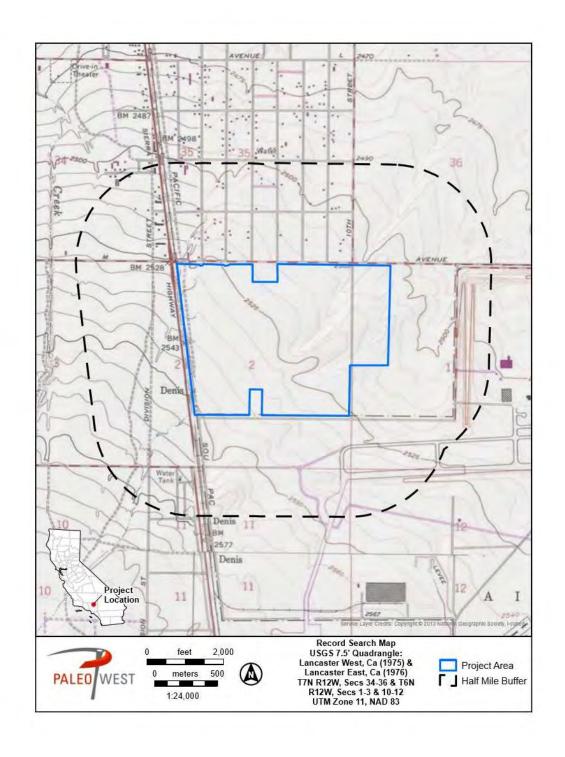
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Sincerely,





Co-Chairman Wayne Walker, Serrano Nation of Mission Indians P. O. Box 343 Patton, CA, 92369 Transmitted via email to serranonation1@gmail.com

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Chairman Walker,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

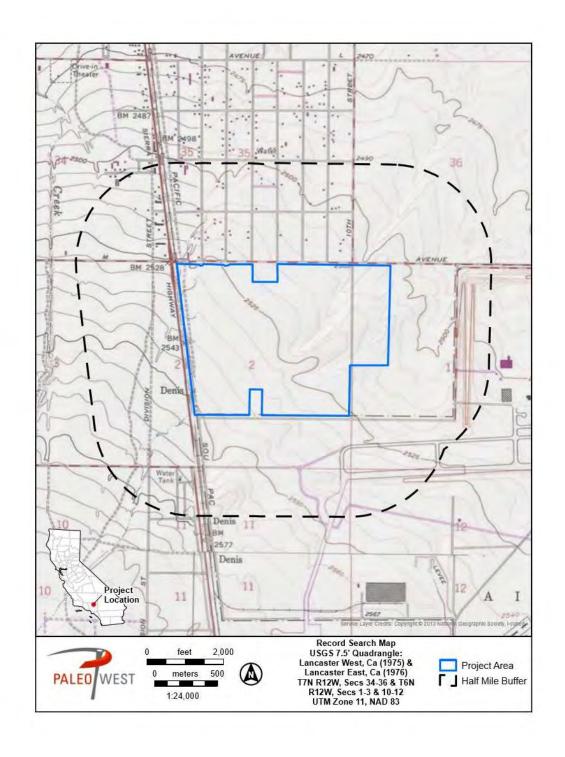
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Your comments are very important to us, and to the successful completion of this Project. I look forward to hearing from you in the near future.

Sincerely,





Chairwoman Donna Yocum, San Fernando Band of Mission Indians P.O. Box 221838 Newhall, CA, 91322 Transmitted via email to ddyocum@comcast.net

RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles County, California

Dear Chairwoman Yocum,

PaleoWest, LLC (PaleoWest) is conducting a cultural resource investigation in compliance with the California Environmental Quality Act for the Antelope Valley Commerce Center Project (Project) in the City of Palmdale, Los Angeles County, California. This letter constitutes informal outreach by PaleoWest as part of the cultural resources investigation and is not government to government consultation.

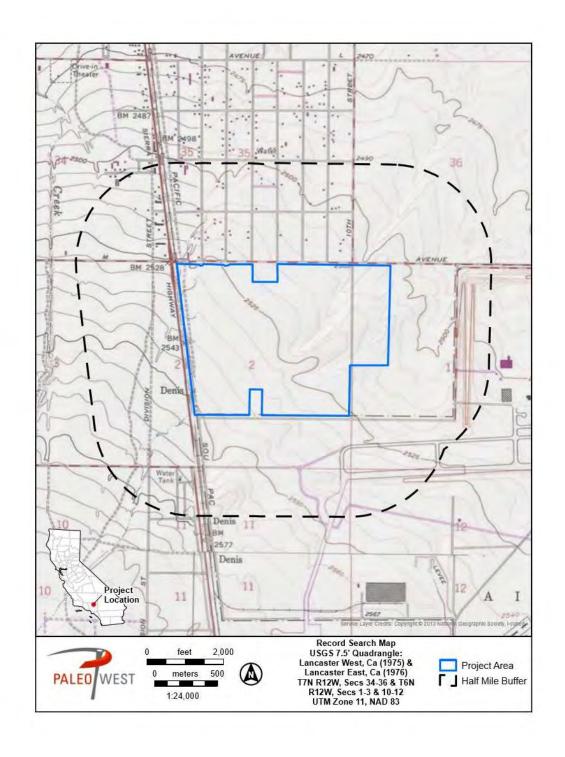
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Your comments are very important to us, and to the successful completion of this Project. I look forward to hearing from you in the near future.

Sincerely,



# **Gena Granger**

From: Quechan Historic Preservation <historicpreservation@quechantribe.com>

**Sent:** Monday, March 28, 2022 8:08 PM

**To:** Gena Granger

**Subject:** RE: Cultural Resource Investigation for the Antelope Valley Commerce Center Project,

City of Palmdale, Los Angeles County, California

This email is to inform you that we have no comments on this project. We defer to the more local Tribes and support their decisions on the projects.

From: Gena Granger [mailto:GGranger@paleowest.com]

**Sent:** Friday, March 25, 2022 3:43 PM **To:** historicpreservation@quechantribe.com

Cc: Kyle Knabb

Subject: Cultural Resource Investigation for the Antelope Valley Commerce Center Project, City of Palmdale, Los Angeles

County, California

Please see the attached letter and map for the Antelope Valley Commerce Center Project in Los Angeles County, California.

Best,



Gena Granger, MA, RPA | Associate Archaeologist

**PaleoWest** 

ggranger@paleowest.com mobile: 562-310-0153 www.paleowest.com

Los Angeles, California 517 S. Ivy Avenue Monrovia, CA 91016





Virus-free. www.avast.com

# **Gena Granger**

From: Kyle Knabb

**Sent:** Monday, March 28, 2022 2:14 PM

**To:** Gena Granger

**Subject:** FW: Information Request for the Antelope Valley Commerce Center Project, Palmdale,

CA

HI Gena,

Please add to tracker for this project. Thanks!

Kyle



Kyle Knabb, PhD, RPA | Senior Archaeologist

kknabb@paleowest.com 626.376.6729

www.paleowest.com

**Los Angeles Office** 517 S. Ivy Ave. Monrovia, CA, 91016









From: Ryan Nordness < Ryan. Nordness@sanmanuel-nsn.gov>

**Sent:** Monday, March 28, 2022 11:49 AM **To:** Kyle Knabb < kknabb@paleowest.com>

Subject: RE: Information Request for the Antelope Valley Commerce Center Project, Palmdale, CA

#### Hello Kyle,

Thank you for reaching out to the San Manuel Band of Mission Indians concerning the proposed project area. SMBMI appreciates the opportunity to review the project documentation received by the Cultural Resources Management Department on March 25<sup>th</sup> 2022. The proposed project is located in a space that hosts two known cultural resources and is less than 1 mile from a known lithic scatter and grounds stone archaeological site. The area is of great concern to SMBMI and are very interested to consult whenever this project moves into AB52/CEQA territory.

Thank you again for your correspondence, if you have any additional questions or comments please reach out to me at your earliest convenience.

Respectfully, Ryan Nordness