

**A**  
**PHASE I CULTURAL RESOURCE SURVEY**  
**FOR TENTATIVE TRACT 61574,**  
**CITY OF LANCASTER, CALIFORNIA**

**Submitted to:**

Royal Investor's Group, LLC  
9595 Wilshire Boulevard, Suite 708  
Beverly Hills, California 90212

**Keywords:**

Lancaster East 7.5' Quadrangle, City of Lancaster,  
California Environmental Quality Act

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**October 2020**

## **Management Summary**

At the request of the Royal Investor's Group, a Phase I Cultural Resource Survey was conducted on a property at the southwest corner of 30<sup>th</sup> Street East and Avenue K for tentative tract 61574, in the City of Lancaster, California. The Phase I Cultural Resource Survey consisted of a pedestrian survey of the 15.28-acre site and a cultural resource record search.

**One cultural resource was identified, R-2. R-2 is the remains of a historic agricultural water system. A similar system was identified at 40<sup>th</sup> Street East and Lancaster Boulevard. This largely underground concrete water system runs in an east/west direction. Aboveground standpipes are also present. This historic resource is not eligible for nomination to the California Register of Historic Resources under Criteria 1, 2, 3, and 4. R-2 is not associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States. Criterion 1 does not apply. R-2 is not associated with the lives of persons important to local, California history. Criteria 2 does not apply. R-2 does not embody the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values. Criteria 3 does not apply. Last, R-2 will not yield, or does not have the potential to yield, information important to the prehistory or history of the local area or California. Criteria 4 does not apply.**

**No further work is required. If archaeological resources are encountered during the course of construction, a qualified archaeologist should be consulted for further evaluation.**

**If human remains or potential human remains are observed during construction, work in the vicinity of the remains will cease, and they will be treated in accordance with the provisions of State Health and Safety Code Section 7050.5. The protection of human remains follows California Public Resources Codes, Sections 5097.94, 5097.98, and 5097.99.**

## Table of Contents

Management Summary .....	2
Table of Contents .....	3
List of Figures .....	3
1.0 Introduction .....	4
2.0 Project Location .....	4
3.0 Records Search .....	4
4.0 Environmental Background .....	4
5.0 Prehistoric Archaeological Context .....	4
6.0 Ethnographic Background .....	8
7.0 Field Procedures and Methods .....	13
8.0 Report of Findings.....	13
9.0 Management Recommendations .....	15
10.0 References.....	15
Appendix I.....	19
Appendix II.....	21

## List of Figures

1 Project Area Location Map.....	5
2 Project Area, View to the West .....	7
3 R-2, View to the West .....	13
4 R-2, Underground Waterline .....	14

## **1.0 Introduction**

At the request of Royal Investor's Group, *Hudlow Cultural Resource Associates* conducted an exact 15.28-acre Phase I Cultural Resource Survey at 30<sup>th</sup> Street East and Avenue K, tentative tract 61574, in the City of Lancaster, California for a proposed residential development. The Phase I Cultural Resource Survey consisted of a pedestrian survey and a cultural resource record search in accordance with the California Environmental Quality Act.

## **2.0 Project Location**

The project area is in the City of Lancaster. It comprises a portion of the N  $\frac{1}{2}$  of the NE  $\frac{1}{4}$  of the Ne  $\frac{1}{4}$  of Section 30, T.7N., R.11.W., San Bernardino Baseline and Meridian, as displayed on the United States Geological Survey (USGS) Lancaster East 7.5-minute quadrangle map (Figure 1). The project area is at the southwest corner of 30<sup>th</sup> Street East and Avenue K in the City of Lancaster, California.

## **3.0 Records Search**

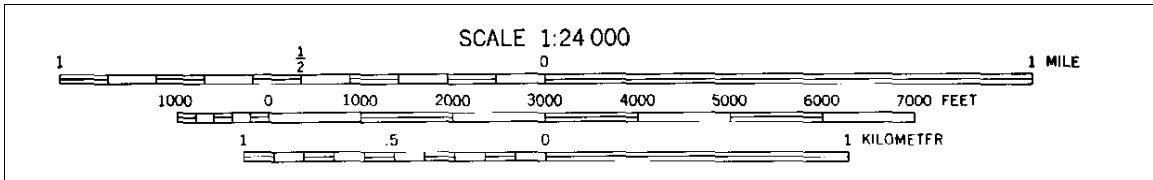
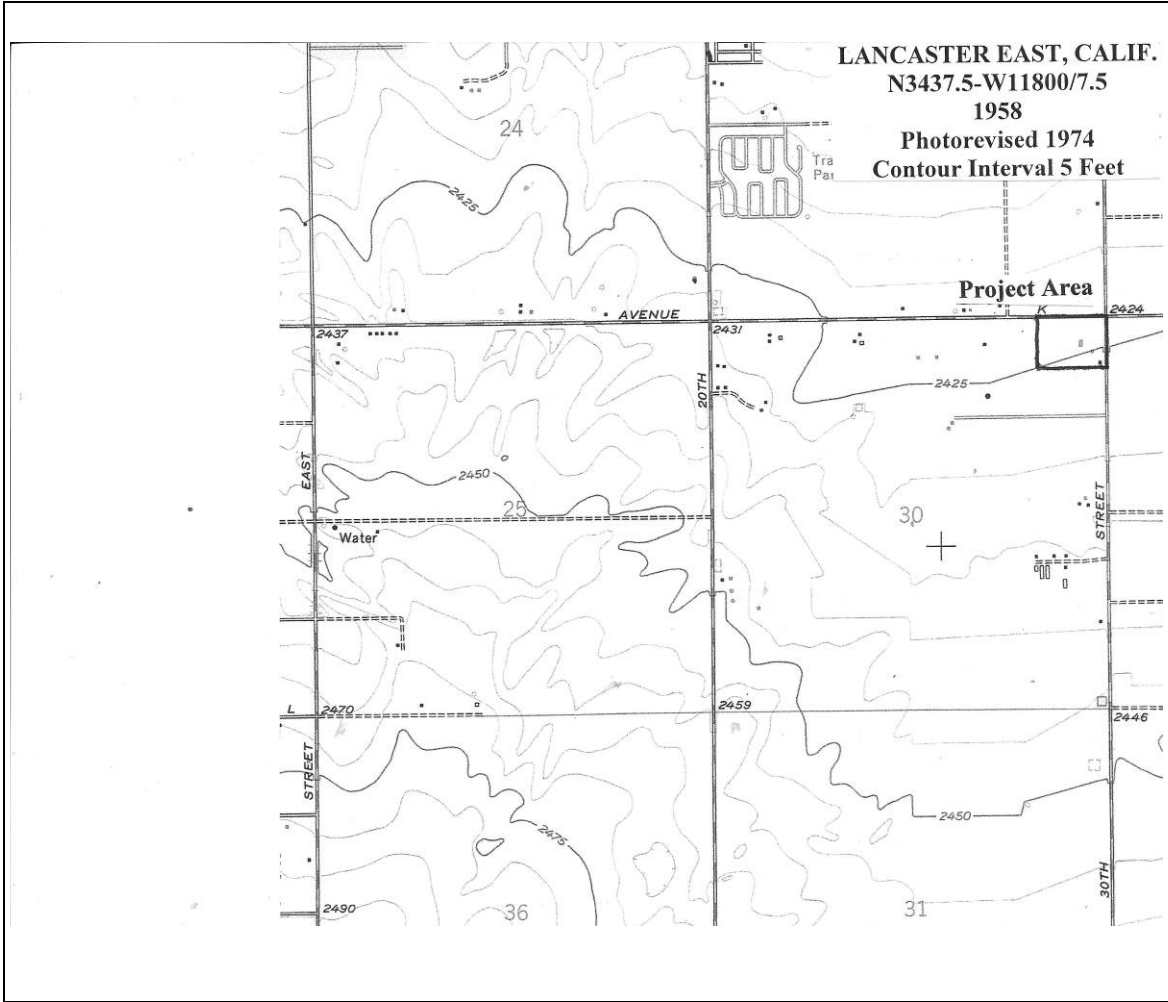
A record search of the project area and the environs within one mile was conducted at the South Central Coast Information Center. Information Center staff performed the record search on October 27, 2020. The record search revealed that thirteen surveys had been conducted within a mile of the project area. Four previous surveys have addressed the current project area. Two archaeological sites have been identified within one mile of the project area; both are historic sites (Appendix II).

## **4.0 Environmental Background**

The project area is located at varied elevations between 2380 feet and 2400 feet above mean sea level. The project area lies in the Antelope Valley, west of Little Rock Wash, at the western edge of the Mojave Desert. The project area lies within a saltbush scrub vegetation zone; however, it has been subject to disturbance due to construction activity and dumping (Figure 2). It is currently covered in dry, desiccated weeds.

## **5.0 Prehistoric Archaeological Context**

A generally accepted prehistoric cultural chronology for the western Mojave region has yet to be developed, partially because sparse local chronometric data is available to use as a foundation. Consequently, most proposed local culture histories have been borrowed from other regions, with minor modifications based on sparse local data. The most common pattern is the tripartite Early/Middle/Late sequence familiar in Californian culture history, often with the addition of a Post-Contact (Norwood 1987) or Protohistoric Period



**Figure 1**  
**Project Area Location Map**

(Sutton 1988). The differences between the sequences are mainly in the inclusion of various horizons, technologies, or stages. The following chronology is based on Claude Warren's Lake Mojave, Pinto, Gypsum, Saratoga Springs, and Protohistoric Periods, which is partially based on time-sensitive projectile points and shell bead sequences (Warren 1984; Warren and Crabtree 1986).

*Lake Mojave Period - ca. 10,000-5,000 B.C.*

Most Lake Mojave Period sites within the northern Mojave Desert and southwestern Great Basin are early Holocene lakeshore occupations. Sutton stated that the subsistence strategy during this period was presumably one of hunting and utilization of lacustrine resources (Sutton 1988:30). The best examples of sites from this period are associated with the shoreline of Pleistocene Lake Mojave (Campbell *et al.* 1937). Artifacts include percussion-flaked foliate points and knives, Lake Mojave and Silver Lake projectile points, and an unspecialized tool kit of scrapers, graters, and perforating tools.

*Pinto Period - ca. 5,000-2,000 B.C.*

Some scholars have interpreted the association of Pinto Basin sites and a now extinct riverbed as indicative of occupation during a time of abundant moisture (Campbell and Campbell 1935). Settlement patterns appear to be associated with ephemeral lakes and now-dry streams and springs (Warren 1984). Though the Pinto Period is roughly concurrent with the Altithermal climatic event, (a time when human populations were supposedly reduced in size and more widely dispersed due to the desiccation of wetter habitats), the occurrence of a milder, wetter, Little Pluvial period within the Altithermal has been noted by several archaeologists (Moratto 1984:546). The extent to which the Little Pluvial climatic period may coincide with Pinto Period sites is unknown.

To date, at least seventeen Pinto points and six Pinto Period sites have been recorded in the vicinity (Campbell 1994a). Norwood (1987:104) noted that the lowland areas in the northern portions of adjacent Edwards Air Force Base (AFB) contain evidence of substantial occupations which may date to the Pinto Period; such a conclusion would contradict the hypothesis of a small, dispersed population distribution at this time. Recent evaluation of a Lake Mojave/Pinto Period site at Phillips Laboratory supports Norwood's observation about substantial occupations (Campbell 1994b).

*Gypsum Period - ca. 2000 B.C.-A.D. 500*

During the Gypsum Period, evidence of a millingstone culture becomes much more common. The mortar and pestle were probably introduced during this period (Wallace 1955:222-223; Warren 1984:4163). Wallace noted evidence of expanded subsistence activities where late period peoples around Mesquite



**Figure 2**  
**Project Area, View to the West**

Flat were believed to have extended their food-collecting activities into the surrounding mountains (Wallace 1977:121).

A gradual transition from the use of large dart points to smaller projectile points associated with use of the bow and arrow occurred toward the end of the Gypsum Period. Approximately A.D. 500, the bow and arrow essentially replaced the atlatl (a device used for throwing spears or darts that consists of a rod with a hook at the rear end to hold the projectile in place until release) (Warren 1984:415). Shutler postulated that Anasazi ceramics were initially introduced into the eastern Mojave at about the same time (Shutler *et al* 1961). Diagnostic projectile points associated with the Gypsum Period include the Humboldt, Gypsum Cave, Elko Eared, and Elko Corner-notched types (Warren 1984:414-415). Other temporal designations, which may be correlated with Warren's Gypsum Period, include the Early and Middle Rose Spring Periods (Lanning 1963; Clewlow *et al.* 1970) and the Newberry Period (Bettinger and Taylor 1974).

The scant published literature reports relatively little local evidence of Gypsum material (Robinson 1977:45; Sutton 1988:38). Norwood (1987:101-104) however, notes several isolated examples of projectile points from this period at Edwards AFB. A study of projectile points in the Base Historic Preservation Officer's database has identified ten Humboldt points, four Elko

Corner-notched points, one Elko Side-notched point, five undifferentiated Elko points, and three Gypsum Cave points (Campbell 1994a). If isolated points are eliminated from the sample, the remaining 17 points from the Gypsum Period come from 16 sites. Radiocarbon data identifies another five Antelope Valley sites (LAN-82, LAN-192, KER-303, KER-526, and KER-533) with materials that fall within the Gypsum Period. Hydration readings suggest the possibility that a number of additional Gypsum Period sites are present. Therefore, a Gypsum presence in the area is well represented.

#### *Saratoga Springs Period - ca. A.D. 500-1200*

The Saratoga Springs Period is marked by what appears to be the establishment of large villages, or village complexes. This reflects a transition from the previous seasonal transhumance pattern into one of semi-, or fully-sedentary occupation within the Antelope Valley (Sutton 1988).

This period also marks the beginning of the Shoshonean period, named for the Shoshonean peoples who occupied the Western Mojave Desert during this period (Robinson 1977). The Numic and Takic Shoshonean groups were expanding during this period. Both groups made use of a millingstone technology-- other aspects of their material culture include marine shell, bone, and perishable artifacts. Takic sociopolitical organizations differ from those of Northern Numic groups. The Kitanemuk (a Takic group) are reported as having well developed social ranking and prestige systems (Blackburn and Bean 1978). Grover Krantz postulated that the Takic expansion to the south was stimulated by Northern groups who "...overran their neighbors for a considerable distance to the south" (Krantz 1978:64) in order to obtain acorn resources. This migration occurred at about 2000 B.P. (Sutton 1988:40).

Time-sensitive projectile points from this period include the Rose Spring, Cottonwood, and Desert Side-Notched series. It has been argued that assemblages with Cottonwood points and no Desert Side-Notched points represent an earlier occupation than sites with both Cottonwood and Desert Side-notched points, and that the earlier occupation is associated with the Hakataya influence from the Southwest (Warren 1984:423-424; Warren and Crabtree 1986:191). In the western Mojave Desert, diagnostic materials from this period include various types or examples of poorly understood brownware pottery and desert side notch series projectile points (Warren and Crabtree 1986:191). The use of pottery in the Antelope Valley is currently poorly understood.

A current local projectile point database includes four complete Rose Spring points and three projectile point fragments identified as Rose Spring. These seven items were recovered from six sites (CA-KER-562, CA-KER-672, CA-KER-1171, CA-KER-2533, CA-KER-2817, and CA-LAN-828). Twenty-five complete points and twenty-seven point fragments recovered from twenty sites



represent the Cottonwood series of projectile points (Campbell 1994a). One complete Desert Side-notched point and three fragments identified as Desert Side-notched have been recovered from four sites (CA-KER-672, CA-KER-1180, CA-KER-2025, and CA-LAN-769).

#### *Protohistoric Period- ca. A.D. 1200-Historic*

Warren used the term "Protohistoric" to describe the period; which reflects a transition from the prehistoric to historic eras (Warren 1984). However, Arkush, noting this term has distinct cultural implications, argued this time is more properly designated the "Late Archaic," while many archaeologists colloquially call this period the "Late Prehistoric" (Arkush 1990:29). This period is also termed the "Shoshonean" Period (Warren 1984; Warren and Crabtree 1986), potentially clouding the culture history sequence by adding a name, which has cultural and linguistic meanings when describing modern groups. Whatever its name, the period markers are considered to be Desert Side-notched arrow points "...and various poorly defined types of brownware pottery including Owens Valley Brownware" (Warren and Crabtree 1986:191).

This period reflects a continuation of cultural developments established during the previous period, but with adaptive modifications. Trade along the Mojave River likely affected the people of the Eastern Antelope Valley, allowing active groups to acquire considerable amounts of wealth. Socioeconomic and sociopolitical organizations continued to increase in complexity. However, most Antelope Valley groups appear to have developed stronger ties with coastal groups rather than those of the eastern desert and Great Basin (Warren 1984:426). By approximately A.D. 1300, the Hakataya expansion reached its western extreme. Warren (1984) interprets the paucity of ceramic ware in Antelope Valley village sites as evidence that Hakatayan influence upon local groups was minimal.

## **6.0 Ethnographic Background**

The "Contact" period is difficult to define in theory and to detect in practice. The earliest contact between the native populations of the New and Old Worlds traditionally dates to Columbus' landfall. Native Americans felt the Europeans' impact (and later, the Euro-Americans) in a variety of ways, and direct, face-to-face contact was not necessary for their lives to be changed irrevocably. For example, trade items like guns, horses, metal, and cloth spread quickly, and were rapidly incorporated into the indigenous cultures; in many cases, trade with Europeans altered an entire culture or dramatically shifted power balances between groups. Diseases to which Native Americans had little or no resistance preceded the Euro-Americans to the furthest corners of the continent, decimating entire populations within months (Cook 1955). Specific types of osteological damage or mass burials can indicate the onset of Euro-American diseases. However, such evidence has been elusive. Thus, "contact" in North America is

usually perceived by anthropologists not as a single point in time, but rather, as a period of centuries, the beginning and ending points of which are frustratingly vague, and vary from region to region. Such population shifts rippled across the continent, exacerbated by the expansion of European and Euro-American settlements. Even word-of-mouth spread the news of alien people, goods, and events.

In the archaeological record, clear evidence of contact takes three forms: a mix of aboriginal and Euro-American artifacts, aboriginal-style artifacts made from Euro-American materials (e.g., glass projectile points or thimble tinklers), or European forms, designs, and motifs utilized in aboriginal crafts (i.e. basketry or pottery).

The term "Protohistoric" is also sometimes used in this context. Arkush (1990:29) defined this Protohistoric Period as "...a distinct span of time during which native cultures were modified by the introduction of Euro-American diseases, material, and/or practices prior to intensive, face-to-face contact with whites." In fact, historical documents from explorers and others describe many tribes long before "intensive" contact occurred, and other groups experienced such contact without much, if any, historical documentation.

Just as the dates are hard to define, it is a challenge to determine which aboriginal groups inhabited the Antelope Valley, particularly the area, which is now Edwards AFB. Generally, people occupied core areas in the hills and mountains surrounding the valley and traveled into the desert to gather particular plants, or to escape mountain weather; consequently, the desert boundaries were neither strict nor firmly embedded in the "memory culture" of the ethnographic present. The peripatetic hunter-gatherers of the area do not seem to have been particularly territorial. According to Earle, Harrington's informants indicated "...that all of the clan groups of Serrano/Haminat speech affiliation north of Cajon Pass and east of Soledad Pass constituted a single ethnic domain," although differences in dialect, social organization, and material culture are present (Earle 1990:97).

To add to the ethnographic tangle, or perhaps causing some of it, the cultures of the Antelope Valley were severely impacted by repeated diasporas, a common tale in California: first, missionization under the Spanish; then transfer to "reserved" land under the Americans; then dispossession from the reservations as the land was converted (sometimes questionably) to claims by Euro-Americans under the Homestead Laws, and last, another removal to still more distant reservations or marginal land.

Each dislocation effectively removed the people further from the traditional patterns of the generations before, adding a new layer of custom and habit, creating a cultural mosaic by the time ethnographers arrived.

For these and a variety of other reasons, determining contact-period aboriginal territories on the Base may be a futile exercise, if not impossible. In fact, in the available ethnographic territorial information for the Antelope Valley, by far the vaguest data concerns an area almost exactly described by the boundaries of Edwards AFB.

In the following discussions, it should be kept firmly in mind that the "territories" are all somewhat arbitrary, descriptions from "memory culture," and different author's comments may be based on the same sources, giving a false impression of corroborating evidence. Generally, four groups occupied the western Mojave at the time of contact: Kitanemuk, Tataviam ("Alliklik"), Kawaiisu, and Vanyume ("Serrano"). Additionally, other groups, particularly the Mojave from the east, were known to pass through the area while trading with coastal groups. The Kawaiisu are known to have occasionally utilized portions of the Base (Cultural Systems Research 1980:190-191). Lowell Bean and Sylvia Brakke Vane speculated the Tataviam and Gabrielino may have also exploited resources found on the Base. It is also probable that Mojave and Quechan groups, wide-ranging travelers and traders, utilized resources as they passed through the region (Cultural Systems Research 1980:191).

#### *Kitanemuk and Tataviam*

The Kitanemuk and the Tataviam occupied the western portion of the Antelope Valley, but no distinct line can be drawn between their lands. Kroeber's description of Tataviam (or, as he called them, "Alliklik") territory did not include the Antelope Valley, but clearly was centered on the nearby upper Santa Clara River in the mountains west of the valley (Kroeber 1925: 556). According to Kroeber, the Sawmill Mountains and adjacent Liebre Mountains at the western rim of the valley were the territory of the Kitanemuk. King and Blackburn rejected this division, agreeing that the Tataviam were centered on the southern-facing slopes of the Santa Clara River drainage, but arguing it was the Tataviam whose "...territory extended over the Sawmill Mountains to the north [of the Santa Clara River] to include at least the southwestern fringes of the Antelope Valley" and Lake Elizabeth (King and Blackburn 1978:535-536). Their map placed the Tataviam south of Pastoria Creek, midway up the western edge of the Antelope Valley.

Earle, however, compared Garcés diary, upon which most of the preceding discussions were based, against J. P. Harrington's unpublished notes. Earle determined that the "*Beñeme*" of whom Garcés wrote were Vanyume proper, not a generic name assigned by the Mojave to all local Indians. Such misinterpretations of Garcés' comments and place names resulted in the misassignment of the southwestern Antelope Valley to the Tataviam or Kitanemuk. Earle's conclusions seem stronger than earlier arguments, for they support a more straightforward reading of Garcés, agree with ethnographic testimony, and are consistent with the mission records.

## *Kawaiisu*

Moving to the northern portion of the Antelope Valley, the Kawaiisu are generally agreed to have occupied the Sierra Nevada south of the Kern River fork (now Lake Isabella), and eastward for an unknown distance. Kroeber stated the Kawaiisu territory went to the boundaries of the "westernmost of the Chemehuevi [i.e., the Southern Paiute of California]" who "visited and owned" the northwestern corner of San Bernardino County--far north of Edwards AFB (Kroeber 1925:593, 594, 601).

On the other hand, Zigmond illustrated a far more limited range for the Kawaiisu, encompassing a "core area" from the northern edge of the Tehachapis to the fork of the Kern River (Zigmond 1986:398). Zigmond's map also indicates a seasonal range extending east just north of Rosamond Lake but dipping southeast to encompass Rogers Lake and the central portion of the Mojave River. This outline roughly agrees with the northeastern border of the Kitanemuk as defined by Blackburn and Bean. These boundaries should not be considered mutually exclusive, however, as among the Kawaiisu, "...the concept of territory was weakly developed, and the idea of boundary was probably nonexistent.... The characteristic shifting about in relation to the seasons makes it impossible to devise a static map of land occupation" (Zigmond 1986:398).

## *Vanyume*

The last group is the Vanyume, occasionally referred to as "Serrano" in the literature (Kroeber 1925; Bean and Smith 1978). Kroeber stated they were found as far west as Barstow; a statement which would preclude their presence in the Antelope Valley. However, King and Blackburn (1978:535) speculated that "...the major portion of the Antelope Valley itself was probably held by Kitanemuk and Vanyume speakers." Further clouding the issue, Bean and Smith (1978:570), writing about the Vanyume in the same volume, state the language of the Vanyume cannot be identified. Bean and Smith did not fully depict the Vanyume territory in their map, omitting the northern and western portions, which may have included the Antelope Valley.

Earle correctly realized that the location of the Vanyume is the key to understanding the ethnogeography of the Antelope Valley. As previously mentioned, Harrington's notes revealed his Kitanemuk informants grouped the languages in the southern Antelope Valley and east to Cajon Pass under the name "Haminat." Dialect differences were noted and conform to the Kitanemuk, Serrano, and Vanyume "language" divisions of earlier research (Earle 1990: 98-99). This would indicate that an emphasis on determining (or despairing over) the ethnographic boundaries between these groups is wasted effort. A more productive approach, Earle argues, is an examination of the chiefs, clans and/or moieties, and *naciónes*, or intermediate sociopolitical groups, which seem to

have been hierarchical and reflected in inter-village organization (Earle 1990:101).

## **7.0 Field Procedures and Methods**

On October 2, 2020, Scott M. Hudlow (for qualifications see Appendix I) conducted a pedestrian survey of the entire project area. Hudlow surveyed in east/west transects at 15-meter (49 feet) intervals across the entire parcel. All archaeological material more than fifty years of age or earlier encountered during the inventory would have been recorded.

## **8.0 Report of Findings**

One cultural resource was identified, R-2. R-2 is the remains of an agricultural water system. This largely underground concrete waterline system runs in an east/west direction. The waterlines are concrete. These concrete waterlines fit end to end. Underground water storage is also possibly present within the water system.



**Figure 3**  
**R-2, View to the West**



**Figure 4**  
**R-2, Underground Waterline**

## **9.0 Management Recommendations**

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## **10.0 References**

Arkush, Brooke S.

1990 "The Protohistoric Period in the Western Great Basin." *Journal of California and Great Basin Anthropology* 12(1): 28-36.

Bean, Lowell John and Charles R. Smith

1978 "Serrano." In *The Handbook of North American Indians, Vol. 8, California*, Robert F. Heizer, ed. Smithsonian Institution, Washington D.C., pp. 570-574.

- Bettinger, Robert L., and R. E. Taylor  
 1974 "Suggested Revisions in Archaeological Sequences of the Great Basin in Interior Southern California". *Nevada Archaeological Survey Research Papers* 5: 1-26.
- Blackburn, Thomas C., and Lowell John Bean  
 1978 "Kitanemuk." In *The Handbook of North American Indians, Vol. 8, California*, Robert F. Heizer, ed. Smithsonian Institution, Washington D.C., pp. 564-569.
- Campbell, E. W. C., and W. H. Campbell  
 1935 "The Pinto Basin site: An ancient aboriginal camping ground in the California desert," Los Angeles: *Southwest Museum Papers* 9: 1-56.
- Campbell, E. W. C., W. H. Campbell, E. Antevs, C. E. Amsden, J. A. Barbieri, F. D. Bode  
 1937 "The Archaeology of Pleistocene Lake Mojave," Los Angeles: *Southwest Museum Papers* pp. 11.
- Campbell, Mark M.  
 1994a "Toward a Lithic Hermeneutic" 1994 Great Basin Anthropological Association Meeting, Elko, Nevada. Unpublished manuscript in possession of the author.  
 1994b *Cultural Resource Evaluation for the Emplacement of an Underground Gas Transmission Line to Boron from the Phillips Laboratory Edwards AFB, Kern County, California*. Report on file, AFFTC/EM, Edwards AFB, California.
- Clewlow, C. W., Jr., Robert F. Heizer, and R. Berger  
 1970 "An assessment of radiocarbon dates for the Rose Spring site (CA-Iny-372), Inyo County, California." Berkeley: *Contributions of the University of California Archaeological Research Facility* 7: 19-25.
- Cook, Sherburne F.  
 1955 "The Epidemic of 1830-1833 in California and Oregon." *University of California Publications in American Archaeology and Ethnology* 43(3):303-326.
- Cultural Systems Research, Inc.  
 1980 "Cultural Resources Narrative - Ethnography," in *Cultural Resources Overview for Edwards Air Force Base, Vol. I*. By Roberta S. Greenwood and Michael J. McIntyre. Report on file, AFFTC/EM, Edwards AFB, California, pp. 187-215.



- Earle, David D.  
 1990 "New Evidence on the Political Geography of the Antelope Valley and the Western Mojave Desert at Spanish Contact." In *Archaeology and Ethnohistory of the Antelope Valley and Vicinity. Antelope Valley Occasional Papers No. 2* Bruce Love and William H. DeWitt, editors, pp. 87-104. Lancaster, California.
- King, Chester D., and Thomas C. Blackburn,  
 1978 "Tataviam." In *The Handbook of North American Indians, Vol. 8, California*, Robert F. Heizer, ed. Smithsonian Institution, Washington D.C., pp. 535-537.
- Krantz, Grover S.  
 1978 "Reply." In: *Method and Theory in California Archaeology*, Gary S. Breschini, ed. *Occasional Papers of the Society for California Archaeology* 2, pp. 62-64.
- Kroeber, Alfred L.  
 1925 "Handbook of the Indians of California." *Smithsonian Institution Bureau of American Ethnology Bulletin* 78. [Reprinted 1976, New York, New York, Dover Publications.]
- Lanning, Edward P.  
 1963 *Archaeology of the Rose Spring Site, INY-372*. University of California Publications in American Archaeology and Ethnology 49(3): 237-336.
- Moratto, Michael J.  
 1984 *California Archaeology*. Academic Press, Inc., Orlando, Florida.
- Norwood, Richard H.  
 1987 "Prehistoric Archaeology at Edwards Air Force Base, California." In: *Prehistory of the Antelope Valley, California: An Overview*, R. W. Robinson, ed. *Antelope Valley Archaeological Society Occasional Paper* No. 1, pp. 91-106.
- Robinson, Roger W.  
 1977 "The Prehistory of the Antelope Valley, California: An Overview." *Kern County Archaeological Society Journal* 1: 43-48.
- Shutler, R., Jr., M. E. Shutler, and J. S. Griffith  
 1961 "Lost City, Pueblo Grande de Nevada." Carson City: *Nevada State Museum Anthropological Papers* 5.

Sutton, Mark Q.

1988 "An Introduction to the Archaeology of the Western Mojave Desert, California." Salinas: *Coyote Press Archives of California Prehistory* 14.

Wallace, W.

1955 "A suggested chronology for southern California coastal archaeology." Albuquerque: *Southwestern Journal of Anthropology* 11: 214-230.

1977 *Death Valley National Monuments' prehistoric past: An Archaeological Overview*. Report on file, National Park Service, Western Archaeological Center, Tucson, Arizona.

Warren, Claude N.

1984 "The Desert Region." In *California Archaeology*, by Michael J. Moratto. Academic Press, Inc., Orlando, Florida, pp. 339-430.

Warren, Claude N., and Robert H. Crabtree

1986 "Prehistory of the Southwestern Area." In *Handbook of North American Indians*, Vol. 11, Great Basin. Smithsonian Institution, Washington D.C., pp. 183-193.

Zigmond, Maurice L.

1986 "Kawaiisu," in *Handbook of North American Indians, Vol. 11, Great Basin*. Warren L. D'Azevedo, ed. Smithsonian Institution, Washington D.C., pp. 398-411.

## **Appendix I**

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## **Education**

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## **Public Service**

3/94- *Historic Preservation Commission*. City of Bakersfield, Bakersfield,  
California 93305.

7/97- *Newsletter Editor*. *California History Action*, newsletter for the California  
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## **Relevant Work Experience**

8/96- *Adjutant Faculty*. Bakersfield College, 1801 Panorama Drive, Bakersfield,  
California, 93305. Teach History 17A, Introduction to American History  
and Anthropology 5, Introduction to North American Indians.

11/95- *Owner, Sole Proprietorship*. Hudlow Cultural Resource Associates. 1405  
Sutter Lane, Bakersfield California 93309. Operate small cultural  
resource management business. Manage contracts, respond to RFP's,  
bill clients, manage temporary employees. Conduct Phase I architectural  
and archaeological surveys for private and public clients; including the  
survey, documentary photography, measured drawings, mapping of  
structures, filing of survey forms, historic research, assessing impact and  
writing reports. Evaluated properties in lieu of their eligibility for the  
National Register of Historic Places in association with Section 106 and  
110 requirements of the National Historic Preservation Act of 1966 and  
CEQA (California Environmental Quality Act).

Full resume available upon request.

## Appendix II

**South Central Coastal Information Center**

California State University, Fullerton  
Department of Anthropology MH-426  
800 North State College Boulevard  
Fullerton, CA 92834-6846  
657.278.5395 / FAX 657.278.5542  
[scic@fullerton.edu](mailto:scic@fullerton.edu)

*California Historical Resources Information System*  
*Orange, Los Angeles, and Ventura Counties*

10/27/2020

Records Search File No.: 21732.7864

Scott Hudlow  
Hudlow Cultural Resource Associates  
1405 Sutter Lane  
Bakersfield, CA 93309

Re: Record Search Results for Royal 20-05

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Lancaster East, CA USGS 7.5' quadrangle. Due to the COVID-19 emergency, we have implemented new records search protocols, which limits the deliverables available to you at this time. Please see the attached document on COVID-19 Emergency Protocols for what data is available. If your selections on your data request form are in conflict with this document, we reserve the right to send you what we state on the document. You may receive more than you asked for or less than you wanted. The following reflects the results of the records search for the project area and a ½-mile radius:

As indicated on the data request form, the locations of resources and reports are provided in the following format:  custom GIS maps  shape files  hand-drawn maps

Resources within project area: 0	None
Resources within ½-mile radius: 2	SEE ATTACHED MAP or LIST
Reports within project area: 4	LA-02055, LA-07525, LA-07991, LA-08366
Reports within ½-mile radius: 9	SEE ATTACHED MAP or LIST

- Resource Database Printout (list):**  enclosed  not requested  nothing listed
- Resource Database Printout (details):**  enclosed  not requested  nothing listed
- Resource Digital Database (spreadsheet):**  enclosed  not requested  nothing listed
- Report Database Printout (list):**  enclosed  not requested  nothing listed
- Report Database Printout (details):**  enclosed  not requested  nothing listed
- Report Digital Database (spreadsheet):**  enclosed  not requested  nothing listed
- Resource Record Copies:**  enclosed  not requested  nothing listed
- Report Copies:**  enclosed  not requested  nothing listed
- OHP Built Environment Resources Directory (BERD) 2019:**  available online; please go to [https://ohp.parks.ca.gov/?page\\_id=30338](https://ohp.parks.ca.gov/?page_id=30338)

**Archaeo Determinations of Eligibility 2012:**     enclosed     not requested     nothing listed  
**Los Angeles Historic-Cultural Monuments**     enclosed     not requested     nothing listed  
**Historical Maps:**     enclosed     not requested     nothing listed  
**Ethnographic Information:**     not available at SCCIC  
**Historical Literature:**     not available at SCCIC  
**GLO and/or Rancho Plat Maps:**     not available at SCCIC  
**Caltrans Bridge Survey:**     not available at SCCIC; please go to  
<http://www.dot.ca.gov/hq/structur/strmaint/historic.htm>  
**Shipwreck Inventory:**     not available at SCCIC; please go to  
[http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks\\_Database.asp](http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp)  
**Soil Survey Maps: (see below)**     not available at SCCIC; please go to  
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>


Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the [California Historical Resources Information System](#),

**Isabela Kott**  Digitally signed by Isabela Kott  
Date: 2020.10.27 18:14:18 -07'00'

Isabela Kott  
GIS Technician/Staff Researcher

Enclosures:

(X) Covid-19 Emergency Protocols for San Bernardino County Records Searches – 2 pages

(X) Custom Maps – 1 page

(X) Resource Database Printout (list) – 1 page

(X) Report Database Printout (list) – 2 pages

(X) Resource Record Copies – (all) 14 pages



## COVID -19 EMERGENCY Records Search Protocols for LA, Orange and Ventura Counties – Custom Maps instead of Shape Files

These instructions are for qualified consultants with a valid Access and Use Agreement. These instructions are for those of you who cannot accept shape files as a deliverable and need us to make you a custom map of the resource and report locations. Please note that you are charged for each map feature even if you opt out of receiving custom maps. You cannot get secondary products such as bibliographies or pdfs of records if you don't pay for the primary products (custom map features) as this is the scaffolding upon which the secondary products are derived. If you opt out of having us make you a custom map then you are not charged for the "time" to make you a custom map. If you do not understand the digital fee structure, ask before we process your request and send you data. You can find the digital fee structure on the OHP website under the CHRIS tab. In order to keep costs down, you must be willing to make adjustments to the search radius or what you are expecting to receive as part of the search. Remember that some areas are loaded with data and others are sparse – our fees will reflect that.

WE ARE ONLY PROVIDING DATA THAT IS ALREADY DIGITAL AT THIS TIME. For LA, Orange, and Ventura Counties, this is good news because we are almost fully digital. The exception to this is that not all of our reports are scanned. You can submit a second request for any unscanned documents when we are back in the office (fees apply).

### INSTRUCTIONS FOR SUBMITTING A RECORD SEARCH:

There is a one-hour minimum per invoice. Use one data request form for each project search. Please send in your requests via email to [SCCIC@fullerton.edu](mailto:SCCIC@fullerton.edu) using the data request form along with the associated shape files and pdf maps of the project area(s) at 1-24k scale. PDFs must be able to be printed out on 8.5X 11 paper. We check your shape file data against the pdf maps. This is where we find discrepancies between your shape files and your maps. This is required. If you do not submit shape files of your project area, you will be charged for our time to draw your project area digitally so that we can process your request. Any "special instructions" must be noted on the data request form – not in the body of an email.

Please use this data request form and make sure you fill it out properly.  
<http://web.sonoma.edu/nwic/docs/CHRISDataRequestForm.pdf>

### DELIVERABLES:

1. A copy of the Built Environment Resources Directory or BERD for Los Angeles, Orange, Ventura, or San Bernardino County can now be found at the OHP Website for you to do your own research. This replaces the old Historic Properties Directory or HPD. We will not be searching this for you at this time but you can search it while you are waiting for our results to save time.

2. **You will get custom maps of resource locations for the project area and the radius that you choose. For report locations you can request any radius you like, but we will only be providing custom maps of report locations for the project area and up to a ¼-mile radius.** If you don't see a report plotted on the map then it's outside of the ¼-mile radius. You can ask for a project area only search if the lead agency or your client will accept a project area only search.
3. You will receive the type of bibliography that you select on the data request form and in accord with the search radius that you selected. If you need bibliographic information for reports for more than ¼-mile radius – you will be charged for all report map features within your selected search radius – even if they are not mapped.
4. You will get pdfs of resources and reports in accord with the search radius if you request them, provided that they are in digital formats. We will not be scanning records or reports at this time.
5. You will get one invoice per data request form. There is a one-hour minimum per job.
6. We will be billing you at the staff rate of \$150 per hour and you will be charged for all resources and report locations according to the “custom map charges”. You will also be billed 0.15 per pdf page, or 0.25 per excel line as is usual. Quad fees will apply if your research includes more than 2 quads.
7. **A copy of the digital fee structure is available on the Office of Historic Preservation website under the CHRIS tab. If the digital fee structure is new to you or you don't understand it; please ask questions before we process your request, not after. Thank you**
8. Your packet will be sent to you electronically via Dropbox. We use 7-zip to password protect the files so you will need both on your computers. We email you the password. If you can't use Dropbox for some reason, then you will need to provide us with your Fed ex account number and we will ship you a disc with the results. As a last resort, we will ship on a disc via the USPS. You may be billed for our shipping and handling costs.

I may not have been able to cover every possible contingency in this set of instructions and will update it if necessary. You can email me with questions at [sccic@fullerton.edu](mailto:sccic@fullerton.edu)

Thank you,

Stacy St. James

South Central Coastal Information Center

Los Angeles, Orange, Ventura, and San Bernardino Counties