# **PRELIMINARY DRAFT:**

# CULTURAL, TRIBAL, HISTORIC, PALEONTOLOGICAL RECORDS CHECK AND SURVEY OF THE SHOPS AT JURUPA VALLEY, RIVERSIDE COUNTY, CALIFORNIA

## FOR:

CITY OF JURUPA VALLEY 8930 Limonite Avenue Jurupa Valley, CA 92509

## ON BEHALF OF:

PANORAMA PROPERTIES, LLC 2005 Winston Court Upland, CA 91784

# BY:

SRS INC 35109 Highway 79 #22 Warner Springs, CA 92086

## Authors:

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> SRS J#1815 July 1st, 2020

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<sup>&</sup>lt;sup>2</sup> Riverside County Assessor Records, T2S R6W Sec 11-12, 1896 – 1899, p. 11 (digital file courtesy of Riverside County Archivist Office).

<sup>&</sup>lt;sup>3</sup> Riverside County Assessor Records, T2S R6W Sec 11-12, 1899 – 1907, p. 13 (digital file courtesy of Riverside County Archivist Office).

<sup>&</sup>lt;sup>4</sup> Riverside County Assessor Records, T2S R6W Sec 11-12, 1907 – 1913 (digital file courtesy of Riverside County Archivist Office).

## MANAGEMENT SUMMARY

WHAT WAS DONE: A Phase 1 Cultural Resources inventory and impact assessment was made for The Shops at Jurupa Valley Project, a 30-acre property at the northeast corner of Mission Blvd and Pyrite Street, Jurupa Valley, California. Since the proposed development could potentially impact hitherto undetected archaeological sites, paleontological deposits, and known historic features, an evaluation of the parcel was implemented. This was done so as to identify any and all Cultural Resources that might exist within and adjacent to the project boundaries, to consider the potential impact to such resources, and to recommend appropriate mitigation measures so that such resources might be protected from adverse impacts during earthwork. <sup>a,b</sup>

This report is designed to assist Panorama Properties, LLC in achieving compliance with existing federal, State of California, and Riverside County mandates that regulate land development and govern the protection of Cultural, Tribal, Historic and Paleontological resources. Relevant legislative statutes include, but are not limited to, the National Environmental Policy Act (NEPA) of 1969, Title 36 of the Code of Federal Regulations (36 CFR) Part 60: National Register of Historic Places (1981), the California Environmental Quality Act (CEQA), Assembly Bill 52 (AB 52), the California Code of Regulations (CCR), Title 14, Chapter 3, Sections 15000 et seq., the Public Resources Code (PRC) Section 21080.3.1, the California Register of Historical Resources (California Register), and Cultural Resources directives issued by the Riverside County Planning Department (OS 19.1-OS 19.8). In addition, the *Jurupa Valley General Plan (2017), Conservation and Open Space Element* provides guidance for identification and protection of Cultural, Tribal, Historical and Paleontological Resources within Jurupa Valley.

**RESULTS:** An examination of historic documents revealed that between 1898 and 1943 three buildings, a road under construction, and an artificial channel existed on and adjacent to the property. A record search of the Native American Heritage Commission's (NAHC) confidential Sacred Lands File (SLF) revealed that a Traditional Cultural Property (TCP) of considerable note to local Native American tribes is in close proximity to the project site. A careful ground-truthing of USGS map data confirmed the presence of Historic-era resources on the study property. As well, one prehistoric artifact was found during the reconnaissance. No Paleontological resources were located during the survey but their presence is expected during construction.

PROJECT CONSTRAINTS: Due to on-going COVID-19-related restrictions issued by the State of California, the Eastern Information Center (EIC), Department of Anthropology, University of California, Riverside (UCR) is closed and non-operational, so the archaeological records search requested by SRSINC on April 23, 2020 was delayed due to limited work by UCR researchers. The historical assessment of this property is also limited due to the current Covid-19 pandemic. Access to assessor records is constrained because the County Archives is currently closed. Surface visibility over the parcel was poor. In addition, it is estimated that 80% of the property was obscured by vegetation. For these reasons, this report is presented as a "Preliminary Draft". A comprehensive final report cannot be prepared until 1] an archaeologist re-examines the ground surface during weed abatement and 2] the Eastern Information Center at UCR provides the requested records check. This is particularly important since there is a Sacred Lands Listing for a Tribal Traditional Cultural Resource in the area. The location of this resource needs to be pinpointed so that partial project constraints can be imposed or the area can be cleared for development.

## INTRODUCTION

At the request of Mr. Wes Fifield, Panorama Development, LLC, a Phase 1 Inventory was made of a 30-acre parcel located at the northeast corner of Mission Blvd and Pyrite Street, Jurupa Valley, California. Studies of the kind undertaken for Mr. Fifield are part of regulatory compliance and legal guidelines that protect California's diverse cultural heritage.1 Implementation of federal, state, and municipal laws typically is achieved in a three-phased sequence of activities: (1) Phase 1 Inventory or archival research and field survey to identify and document cultural (Native and historic) or paleontological resources. (2) Phase 2 test excavations and other investigations, as appropriate, to determine resource significance and assess potential effects, and (3) Phase 3 amelioration of effects through data recovery and other measures, including archaeological construction monitoring.

California's archaeological record is recognized within environmental planning/protection regulations that guarantee the consideration of cultural properties when they are threatened with damage or destruction (Meighan 1986:15). The discussion of regional prehistory in Moratto (1984) and Chartkoff and Chartkoff (1984) may help to provide an understanding of some of the major concepts that guide evaluation and treatment of cultural resources.

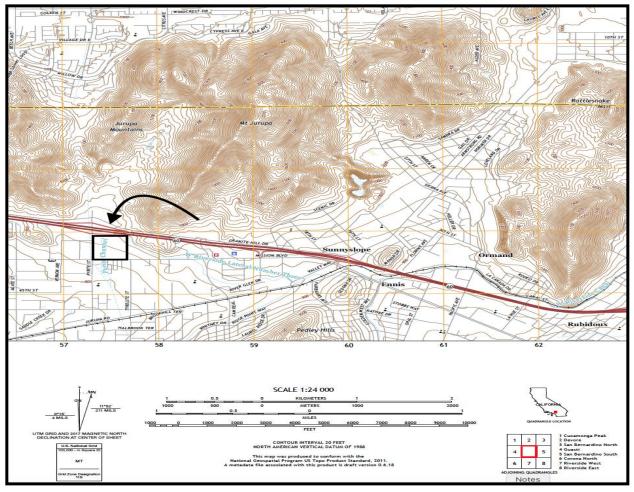


Figure 1. Portion of the USGS Fontana 7.5' guadrangle map (2018), locating the study property.

## ARCHIVAL LITERATURE RESEARCH CONSTRAINTS

Due to on-going COVID-19-related restrictions issued by the State of California, the Eastern Information Center (EIC), Department of Anthropology, University of California, Riverside (UCR) is closed and non-operational, so the archaeological records search requested by SRSINC on April 23, 2020 was postponed until UCR resumes its regular business hours. Nevertheless, in the absence of EIC documents, SRS staff analysts implemented a comprehensive investigation of available data to determine the presence or absence of cultural resources within the project area.

## LOCAL NATIVE AND EARLY AMERICAN HISTORY

The Jurupa Valley General Plan (2017), Conservation and Open Space Element 4-35, does not list any historic resources on or near the subject property. The most significant structures and historic places known for Jurupa Valley are in Rubidoux to the east. In order to obtain information regarding previous prehistoric and historic investigations in the region, a records check was requested from the Eastern Information Center, University of Riverside (Appendix A) which, as mentioned, is not immediately available.

On June 3, 2020 SRSINC also requested a Sacred Lands File record search from the Native American Heritage Commission (NAHC) to serve as a preliminary method to locate Traditional Cultural Properties within the area of potential effect. The NAHC response was received on June 4, 2020 (Appendix B). According to Andrew Green, NAHC Cultural Resources Analyst, a confidential listing on the Sacred Lands File (SLF) exists near the study property. In addition, the NAHC provided a list of tribal entities who may have an association with the subject property and traditional knowledge about Cultural Resources in the area. On May 31st, SRSINC emailed a scoping letter to all 12 listed entities; four responses are provided in Appendix B. The Agua Caliente group decline the right to comment since the project area is not in their Tribe's Traditional Use Area. The Gabrieleno Kizh and the Gabrieleno/Tongva San Gabriel Band of Mission Indians both stated that they have information on the area. The Kizh stated that their information was confidential. The Gabrieleno/Tongva however stated that: Our tribe considers the Santa Ana River, Mt Rubidoux and Jurupa Mountains, which have rock outcrops heavily used by the Gabrieleno people, waterways and natural habitats as parts of our Traditional Cultural Property. The area is sensitive to our people.

Both Tribal groups indicated that wanted to be included in any government consultation with the project's lead agency. The San Manuel Band of Mission Indians stated that the project was just outside their Traditional Serrano Use Area and, as such, SMBMI will not elect to consult on this project with the Lead Agency. Jessica Mauck, San Manuel Band of Mission Indians did provide important information for this study (personal comm.).

It is kind of odd because of what is modernly referred to as Jurupa Valley is not the same, despite the name, as where the actual Serrano village of Jurupet is in Colton. Though I cannot provide a map, I can say that the north/northeastern half of Jurupa Valley is in Serrano territory, and the south/southwest portion is more in Gabrieleno territory (this seems to be the case in oral histories, as well as some of the archaeological data). Overall, it was a shared space across Jurupa Valley and Colton with the Serrano generally occupying the east and the Gabrieleno generally occupying the west.

An ethnographic study was conducted as part of the current SRSINC research; the results are presented on Table 1. Nine distinct Native names were identified by 16 separate sources dating from 1852 to 2012. 'Jurupa' has been known since at least the 1850s as a Native place name of the Serrano people who inhabited a large area including all of the San Bernardino Mountains and associated lowlands. They have been frequently referred to as 'Mountaineers'. The area was under the control of Mission San Gabriel in Spanish times when Gabrielino Natives spread out over the region. 'Hurungna' is the Gabrielino form of Jurupa. In addition, Cahuilla Native elder, Katherine Siva Saubel, reported that Mountain Cahuilla people from the villages of Santa Rosa and Cahuilla in the Santa Jacinto Mountains went down to both Jurupa and Riverside. All three

tribal groups then appear to have a claim on portions of the land in Jurupa Valley/Riverside. Jessica Mauck, San Manuel band of Mission Indians, stated that traditionally the Serrano lived in Colton and the north/northeastern part of the valley, and the Gabrielino inhabited the south/southeast part which would include the subject property. It is clear that the Riverside area was used extensively by the Cahuilla since three Cahuilla place names near Riverside have all been documented as Mountain Cahuilla settlements. (see Table 1, cont). Jurupa Valley was a shared area.

The Jurupa Mountains (north side and south side) are sacred to the Native Tribal people. Ethnographer Lowell Bean comments: *Mountains in general were held by Natives of southern California to be repositories of supernatural power, living spaces of supernatural beings.* **Caves**, streams, springs, plants, **animals**, cultural sites and **mineral deposits** in mountains often have special significance by virtue of their mountain location. (Bean and Van Brakke 1981:91).

The Jurupa Mountains were called 'Sokava' where the 'great rocks had once been people'. In a cave on the south side there used to be a 'great rattlesnake without horns of long ago'. On the north side at 'Jungna'a', near Colton lived a 'bigger rattlesnake that had horns, bigger than the one at Jurupa'. Bean and Vane (1981:210) list the following attributes of places with religious and sacred significance:

- Sites associated with events in the sacred past\*\*, especially those associated with events in the sacred creation epics that are sung ceremonially
- Burial and cremation sites
- Rock art sites
- Water resources, especially warm and hot springs
- Sites where artifacts with ritual connotations have been found
- Villages and camp sites
- Oak groves, pinyon flats, palm oases, cactus flats, and other habitats of plant species important to the peoples who traditionally occupied the study area;
- Habitats of big horn sheep; of a white-chested bear said to only be found in the [region]; of eagles and other raptors; of rattlesnakes, turtles, certain species of lizards; and other animals associated with supernatural power\*\*.
- Trails and trail shrines
- Workshops and quarries

The Jurupa Mountains are significant as places where the **sacred past** is manifested in the '**great rocks which once were people**'. On both sides of the mountain (northern and southern exposures) were **caves** that traditionally were home to '**great large supernatural rattlesnakes who were horned or lacked horn's**. In addition, very **rare and unusual minerals** are found throughout the mountains, particularly at Jensen's Quarry, west of the subject property (see Geology and Paleontology) all supporting the Sacred Lands Listing for the area.

The section highlights of "The Story of Riverside County," written by historian W.W. Robinson in 1964 as shown in Table 2, clearly shows that the first 100 years of the history of the Riverside City area were dominated by events at Jurupa. Spanish explorer Juan Bautista de Anza crossed the Santa Ana River at Jurupa Heights near Union Bridge in 1776. Riverside County's Rancho Period began when Juan Bandini received a grant for Rancho Jurupa in 1838. Riverside County's best known pioneer, Louis Rubidoux, bought a portion of the Rancho in 1844 and by 1870 the northeast section of Rancho Jurupa is bought and the town of Riverside is laid out signaling the modern period of Riverside

**Table 1:** Documentation of the Significant Native Places in Jurupa Valley and Riverside City. (From: Caughey 1852, Reid 1852, Bancroft 1886, Beattie and Beattie 1924, Strong 1929, Kroeber 1929, Johnson 1962, Robinson 1964, Guthner 1984, McCawley 1996, Bean and Smith 1978, Saubel and Elliott 2004, Johnson 2005,2007, Trafzer and Smith 2006, Weeks 2008, Lech 2012).

## JURUPA PLACENAMES

- <u>Jurupa</u>- Serrano place name, referring to Mexican land grant of that name (Kroeber in McCawley)
  - -Name means 'they descended from it'\_(José Zalvidea-Harrington in McCawley)
  - <u>-Jurupé</u>- Indians of Jurupa called Serranos or Mountaineers (Reid 1852)
  - <u>-Europa</u>- The Mountain Cahuilla from Santa Rosa went down there to work long ago and had permanent villages. They would always go there, there were lots of Cahuilla there and also some from Cahuilla went down to Riverside (Saubel and Elliott)
  - -This was Cahuilla territory, Cahuilla Indians lived all over that area, it was also one of the areas they travelled through and had trails from a long time ago and not just 1880s,1890s (Saubel and Elliott)
- Hurungna, Huruvitam- Gabrielino form of Jurupa, Riverside (Johnston)
   Horuuvngna- Gabrielino community; derived from hurúuvar coastal sagebrush or they descended from it (Jesús Jauro-Harrington in McCawley)
  - -Located at Jurupa, referring to the Mexican land grant (Jesús Jauro-Harrington in McCawley)
- <u>Sokava</u>- great rocks who had once been people in range of hills west of Riverside (Johnston)
   <u>Shokava</u>- Long range of hills from Highland as beginning near the small white hill and running far out toward the west (Harrington in McCawley)
  - -A stone stands erect on top of this long range of hills and it is because of that stone that the hills are named *sokāva* (Harrington in McCawley)
- Jurupa Mountains- near Riverside were also 'sharp and white'. Name means 'buzzard'.(Johnston)
  -Sharp white hill seen to the west of Riverside, hill that looked like cement was being dug out of it;
  Name is applied to all hills on the other side of the San Bernardino Valley from Highland (José
  Zalvidea-Harrington in McCawley)
- Jurupa Cave- cave in Jurupa Mountains lived a rattlesnake of long ago without horns (Johnston)
   -There used to be a great rattlesnake at Jurupa in a cave, a rattlesnake of long ago (José Zalvidea-Harrington in McCawley)
- <u>Jungna'a</u>- 'sharp, white hill'; rattlesnake with horns lived near here
  (probably Slover Mountain, near Colton which overlooks very ancient sites) (Johnston)

  junā'av- point of hill on the side of San Bernardino Valley opposite Highland which runs out from the
  Santa Ana Mountains toward the white cement hill ago (José Zalvidea-Harrington in McCawley)
  -There was a bigger rattlesnake that had horns, bigger than the one at Jurupa (José Zalvidea-Harrington in McCawley)

**Table 1, cont. Documentation of the Significant Native Places in Jurupa Valley and Riverside City.** (From: Caughey 1852, Reid 1852, Bancroft 1886, Beattie and Beattie 1924, Strong 1929, Kroeber 1929, Johnson 1962, Robinson 1964, Guthner 1984, McCawley 1996, Bean and Smith 1978, Saubel and Elliott 2004, Johnson 2005,2007, Trafzer and Smith 2006, Weeks 2008, Lech 2012)..

## **RIVERSIDE PLACENAMES**

- <u>-Politana</u>- 1840s New Mexico settlers came to Santa Ana River near Riverside as guards for area farms from Mohave horse thieves and marauders; by 1844 settlement was abandoned (Lech 2012)
- <u>Pűlatana</u>- Mountain Cahuilla village established in 1846 by several clans led by Juan Antonio in the vicinity of Riverside, the called Jurupa. (Strong)
- -Six Yuta families came to Jurupa to settle (Bancroft in Strong)
- -Mount Roubidoux- on the west side of Riverside. The <u>Wii'istam</u> Mountain Cahuilla moved there (there is a big village on the north side of Mount Roubidoux) .(Saubel and Elliott)
- -Hūlvel Pá- Mountain Cahuilla village where the road drops down to Riverside from Mount Roubidoux. There is a stream running through there where it is green .(Saubel and Elliott)
  -[Riverside City Landmark- RCHL#26]



Figure 2. "Village at Jurupa Rancho, base of Mt. Rubidoux, near San Bernardino inhabited by Cahuilla, Serrano, and probably some Gabrielino refugees". Photograph by C.C. Pierce 1890" (Bean and Smith 1978:543). Title Insurance and Trust Company, Los Angeles.

<u>--Sahatapa</u>- Mountain Cahuilla village in San Timoteo Canyon where the Yuta led by Juan Antonio moved from <u>Pűlatana</u>. (Saubel and Elliott)

<u>Sáxat Pá'</u>- Mountain Cahuilla lived at a spot known as <u>Sáxat Pá'</u> San Timoteo Canyon (Saubel and Elliott)

<u>Saahatpa</u>- Chief Juan Antonio, his warriors and family settled here in 1851. Cahuilla tradition states that in 1861-1863 the US Gov't sent Army blankets contaminated with smallpox which was disastrous, then site was abandoned

-[California Historic Landmark- CHL#749], between Riverside City and Beaumont

**Table 2**. "The Story of Riverside County," W.W. Robinson, 1964. Title Insurance and Trust Company, Los Angeles, CA; Section Highlights.

## HISTORY OF JURUPA

- 1769: Spain occupies California, with the title to the land becoming vested- under the provisions of the Laws of the Indies- in the King of Spain
- 1772: Captain Pedro Fages crosses Riverside County
   1774-1776: The Anza Party, opening a land route from Sonora (Mexico) to Monterey (California),
   crosses Riverside County. Site is near Union Bridge, Hurupa Heights
   -[Union Bridge Crossing- California Historic Landmark- CHL #787].
- 1818-1819: Settlement of Riverside County's area by Spanish-Californians begins, their neighbors being Indians who had preceded them at least by centuries
- 1822: California becomes Mexican territory
- 1824: With the establishment by priests from Mission San Gabriel of an outpost in San Gorgonio Pass, the extension of Missionary influence in the Riverside County area is climaxed
- 1838: Juan Bandini receives a grant of Rancho Jurupa and with it Riverside County's rancho period begins
- **1842:** Three horsemen make a tour of Jurupa, resulting in the **purchase** by one of them **of a portion later known as 'Rubidoux Rancho'** and in the establishment by one other of Agua Mansa colony
- 1844: Louis Rubidoux, Riverside County's best known pioneer, enters the picture.
  - -[Site of Louis Rubidoux House- California Historic Landmark- CHL#102]
  - -[Site of Rubidoux Grist Mill Site- California Historic Landmark- CHL#303]
- 1848: California ceded to the United States
- 1853: A railroad survey is made through the San Gorgonio Pass and the desert beyond
- 1858: Butterfield stages begin operations
- 1862: A destructive flood sweeps down the Santa Ana River
- 1870: A Southern California colony is planned, a portion of Rancho Jurupa is bought, the town of Riverside is laid out- the modern period of Riverside County's history begins

## HISTORY OF RIVERSIDE AND THE COUNTY

- 1870's-1890's: Railroad trains supplant stagecoaches and mule freighters
- 1873-1875: The Washington Navel Orange gets its start in Riverside
- 1877: The Glenwood Tavern, predecessor of the Mission Inn, serves its first guests
  - -[Mission Inn- California Historic Landmark- CHL#761]
  - -[Mission Inn- National Register of Historic Places- NRHP#71000173]
- 1880's: Riverside incorporates, existing water problems are settled, and the Gage canal is built
- 1893: Riverside County is born.
- 1907: A citrus experimentation station is established at Riverside, destined to have great significance for the citrus business of California
- 1941: The Colorado River Aqueduct is completed, to take care of the water necessities of the cities and districts which since 1928 have become members of the Metropolitan Water District.
- 1948: The University of Riverside establishes a Riverside campus

# HISTORY OF JURUPA VALLEY <a href="https://www.jurupavalley.org/309/History">https://www.jurupavalley.org/309/History</a>

- 1950's-2000s: Jurupa Districts include: Jurupa Hilla, Mira Loma, Glen Avon, Indian Hills, Belltown, Sunnyslope, Crestmore Heights, and Rubidoux
- **2011: City of Jurupa Valley incorporated in July** as 28<sup>th</sup> City in Riverside County and 482<sup>nd</sup> City in California.

## PROPERTY TITLE SEARCH CONSTRAINTS

## Parcel Numbers: 171020025 (6.63 acres) and 171020001 (24.81 acres)

Note: the historical assessment of this property is limited due to the current Covid-19 pandemic. Access to assessor records is constrained because the County Archives is currently closed. Thanks to the effort of County archivists working remotely, access was available for all digitized maps and accompanying assessor records from 1892 – 1913. The following historical report is based predominantly on those digitized records and any additional digitized archival material found online.

The examined property is comprised of two parcels, split by a portion of the Pyrite Street Storm Drain that runs south to the Jurupa Channel. The 6.63 acres of parcel number 171020025 sit north east of Pyrite Street and Mission Boulevard. It is flanked by the Pyrite Street Storm Drain to its right (east) and the 60 Freeway along its northern boundary. The Storm Drain flanks the left (west) side of parcel number 171020001, comprised of 24.84 acres.<sup>5</sup>

"JR Johnston" + Riverside From 1892 – 1907, the property was comprised of 40 acres. Assessor records in 1907 indicate the property included 39.7 acres. Today, the property total is made up of 31.44 acres. The original boundaries of the property included an additional 8+ acres along the northern border. Although we do not have access to the records, the 8+ acres were most likely taken by the state for construction of the 60 Freeway in 1964.

## **OWNERSHIP HISTORY**

From 1892 – 1913, the property being examined had two notable owners: H.S. Fudickar (Harriet S.) and J.R. Johnston. Assessor records indicate that Ms. Fudickar owned the property from 1892 – 1894, when it was sold to J.R. Johnston on April 21, 1894. Under Fudickar's ownership, there was a \$757 mortgage on the property. Assessor records indicate two buildings on the property (home and barn). Incomplete records, however, make it unclear as to whether those buildings were present in 1892 or in 1894, when Johnston purchased the property. Tree cultivation on the property appears to begin a bit in 1894, though the most notable years for tree value on the property were in 1900 (\$1,250), 1907 (\$4,000), and 1911 (\$6,000).

It is not fully clear when the Pyrite Street Storm Drain was constructed on the property. However, an online search indicates that it is possible construction began as early as 1890, when a land easement for "water improvement" on Ms. Fudickar's property (which property is not clear) needed access to about 6 acres (approximately the size of the parcel 171020025, west of the present day storm drain).

According to numerous newspaper accounts and legal records, Harriet S. Fudickar filed suit against the East Riverside Irrigation District in July of 1891. The Los Angeles Times noted "the contest involved a right-of-way to a certain pipe line for bringing water to the district." After Fudicker's suit, the Irrigation District publicly denied "the district claims any water rights from the Garner and Meeks mill properties." The case was thrown around the courts for years, until it was determined the issue would be settled out of court. By 1898, the case still remained in the courts. It is not clear whether or not the property called into question in this court case is

<sup>&</sup>lt;sup>5</sup> Information regarding the parcel numbers and acreage size of this property were found on <a href="https://www.asrclkrec.com/property-and-recent-sales-viewer">https://www.asrclkrec.com/property-and-recent-sales-viewer</a>. Assessor – County Clerk – Recorder, "Property and Recent Sales Viewer," (Riverside County, Ca); online; available from <a href="https://www.asrclkrec.com/property-and-recent-sales-viewer">https://www.asrclkrec.com/property-and-recent-sales-viewer</a>; accessed 26 June 2020.

<sup>&</sup>lt;sup>6</sup> Los Angeles Times, April 2, 1898, pg. 15.

<sup>&</sup>lt;sup>7</sup> Los Angeles Times, 1 August 1891, p. 7.

today's examined property. However, with the inclusion of a significant water system on the property, it is possible.

The 1907-1913 Assessor Map (see Figure 4) indicates that J.R. Johnston and family owned a sizeable amount of property in Riverside. The map is titled "Property of the J.R. Johnston Estate Company." In 1900, the San Francisco Examiner listed Mr. Johnston as a "fruit-grower of Riverside." According to a Riverside Enterprise article from March 22, 1908, Johnston was the son in law of noted Ohio Congressman Stephen A. Northway. Sometime after Johnston's death (prior to 1908 when Mrs. Johnston moved back to Los Angeles) and the property became part of the estate holdings, the J.R. Johnston Estate Company began selling and subdividing his land holdings. In 1911, a ranch comprised of 390 acres belonging to the JR Johnston Estate Company was sold for \$90,000 to Edmund K. Bllnn of Los Angeles County and PH Gilcrest of Kearney, Nebraska. The deal included water rights, Agua Mansa Water Company shares, pumping plants, pine lines, horses and other livestock, and farming implements. 10

## PROPERTY ASSESSMENT HISTORY

From 1892 to 1895, the property was listed as Tract 6 of Section 12. Land value began at \$1,680 in 1892, lost value over the next two years and recovered to \$1,600 by 1895. Assessor records note both a home and barn on the property, valued at \$3,700 in 1894 but down to \$2,500 in 1895. 1894 records also indicate a tree value of \$600 on the property.

Table 3. Value Assessment 1892 – 1895 (Section 12, Tract 6)<sup>11</sup>

Year	Land Value	Building Value	Tree Value	Notes:
				\$757 mortgage
1892	\$1,680	n/a	n/a	Buildings noted as two H and B
1893	\$1,200	n/a	n/a	
1894	\$1,200	\$3,700	\$600	4/21/94 JR Johnston
1895	\$1,600	\$2,500	n/a	

<sup>&</sup>lt;sup>8</sup> The San Francisco Examiner (San Francisco, Ca), 25 September, 1900, p. 1.

<sup>&</sup>lt;sup>9</sup> California State Library, "News Notes of California Libraries" Volume 3, Nos. 1 – 4 (January – October 1908) (W.W. Shannon – Superintendent State Printing, Sacramento, Ca, 1908), 168 – 169.

<sup>&</sup>lt;sup>10</sup> The San Bernardino County Sun (San Bernardino, Ca), 14 January 1911, p. 10.

<sup>&</sup>lt;sup>11</sup> Riverside County Assessor Records, T2S R6W Sec 11-12, 1892 – 1895, p 12 (digital file courtesy of Riverside County Archivist Office).

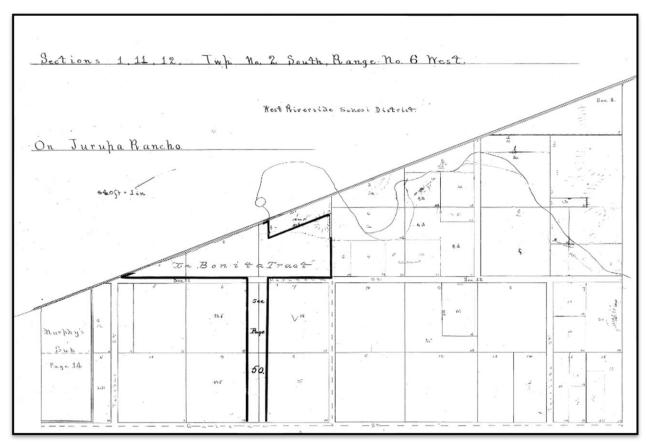


Figure 3. "Sections 1, 11, 12, Township No. 2 South, Range No. 6 West." Riverside County Assessor Records, T2S R6W Sec 11-12, 1892 – 1895, p. 12 (digital file courtesy of Riverside County Archivist Office).

Table 4. Value Assessment 1896 - 1899 (Section 12, Tract 6)12

Year	Land Value	Building Value	Tree Value	Notes:
				Transferred from Ida M. Johnston to JR Johnston for \$1,626 <sup>13</sup>
1896	\$1,600	\$2,500	n/a	
1897	\$1,600	\$1,800	\$400	
1898	\$1,440	\$1,800	\$900	
1899	\$1,300	\$1,800	\$900	

<sup>&</sup>lt;sup>12</sup> Riverside County Assessor Records, T2S R6W Sec 11-12, 1896 – 1899, p. 11 (digital file courtesy of Riverside County Archivist Office).

<sup>&</sup>lt;sup>13</sup> It appears that Ida M. Johnston (or IM Johnston) owed some property in Los Angeles as well. Notable, H.S. Fudicker owned property in Los Angeles, also. Both women had building permits approved in 1894. "House and Lot: The Railroad Tie-up Stops Business," *The Los Angeles Times*, 7 July 1894 (Los Angeles, Ca), p. 6.

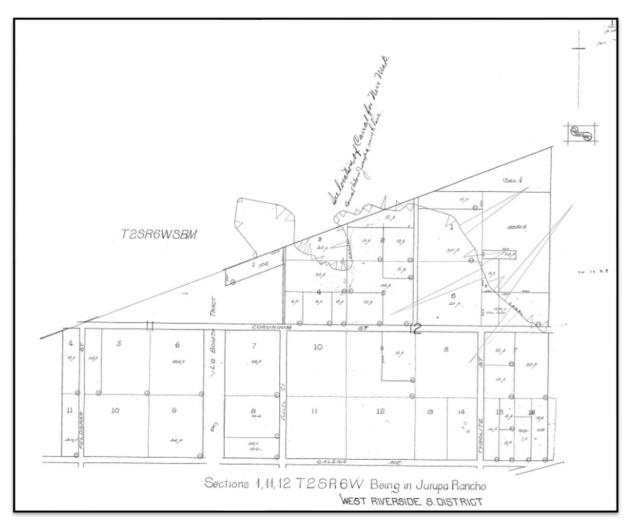


Figure 4. "T2SR6WSBM". Riverside County Assessor Records, T2S R6W Sec 11-12, 1896 – 1899. p. 11 (digital file courtesy of Riverside County Archivist Office).

Table 5. Value Assessment 1899-1907 (Section 12, Tract 8)14

Year	Land Value	Building Value	Tree Value	Notes:
1899	\$1,300	\$1,800	\$900	
1900	\$1,600	\$100	\$1,250	
1901	\$1,600	\$100	\$1,800	
1902	\$1,600	\$100	\$2,000	
1903	\$1,600	\$100	\$2,500	
1904	\$1,600	\$100	\$2,800	
1905	\$1,600	\$200	\$2,800	
1906	\$1,600	\$200	\$2,800	
1907	\$4,000	\$200	\$4,000	

<sup>&</sup>lt;sup>14</sup> Riverside County Assessor Records, T2S R6W Sec 11-12, 1899 – 1907, p. 13 (digital file courtesy of Riverside County Archivist Office).

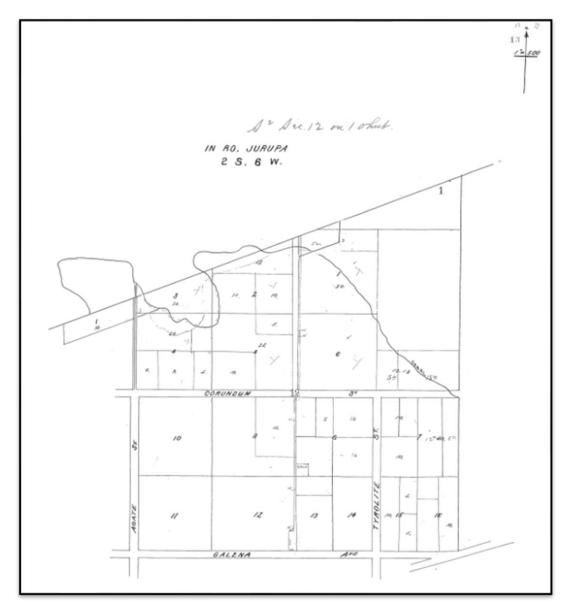


Figure 5. " In RD, Jurupa 2S, 6W". Riverside County Assessor Records, T2S R6W Sec 11-12, 1899 – 1907, p. 13 (digital file courtesy of Riverside County Archivist Office).

Table 6. Value Assessment 1907 – 1913 (Section 12, Tract 8)<sup>15</sup>

Year	Land Value	Building Value	Tree Value	Notes:
1907	n/a	n/a	n/a	
1908	n/a	n/a	n/a	

<sup>&</sup>lt;sup>15</sup> Riverside County Assessor Records, T2S R6W Sec 11-12, 1907 – 1913 (digital file courtesy of Riverside County Archivist Office).

1909	n/a	n/a	n/a	
1910	n/a	n/a	n/a	
1911	\$6,000	\$400	\$6,000	
1912	DO	DO	DO	
1913	DO	DO	\$2,000	

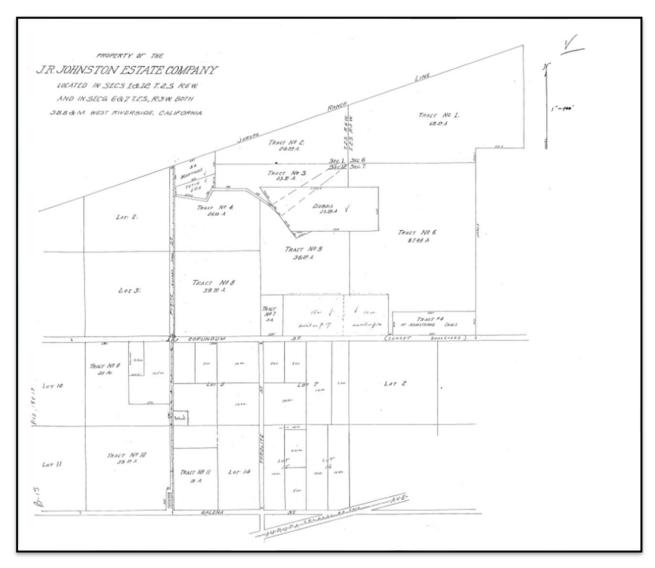


Figure 6. "Property of JR Johnston Estate Company". Riverside County Assessor Records, T2S R6W Sec 11-12, 1907 – 1913 (digital file courtesy of Riverside County Archivist Office).

## HISTORIC USGS MAP SEARCH

An in-house study of maps, published reports, and photographs by SRS personnel demonstrates how the study parcel was connected to historic development trends in the region. A critical evaluation of USGS topographic maps shows notable changes in general land use between 1898 and 2018 (Figure 1-3). Two USGS maps, 1908 and 1943, show buildings, roads, a single-track rail line, and a civil engineering feature/channel within and immediately adjacent to the property.

The 1908 map displays a light duty road, leading from Pyrite Canyon to the structures in the northeastern corner of the study tract (Figure 8). Overlaying its 1908 counterpart, this route is shown as an unimproved dirt road in 1943 (Figure 9). The 1943 route is designated as Lateral No. 3 and later, as the Riv. & Jurupa Canal on the 2014 Tax Map provided by Mr. Fifield (Figure 7). Lateral No. 3 captures flow from the intermittent stream in Pyrite Canyon. Moreover, the 1943 USGS map depicts a one-mile single track spur, starting from Jurupa Avenue to the south (the Union Pacific Railroad trunk line), heading north to the Pyrite Canyon quarries (Figure 5, Geology and Paleontology).

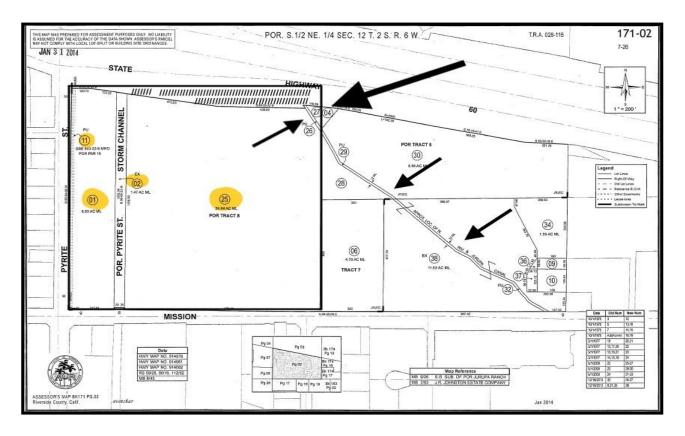


Figure 7. Tax Map of study property, POR. S. ½ NE 1/4SEC 12 T. 2S. R. 6W. Most survey finds were recorded in the northeastern corner of the parcel (large arrow) near historic structures. Smaller arrows highlight the Riv. & Jurupa Canal (Lateral No. 3). Document provided by Mr. Wes Fifield, Panorama Development, L

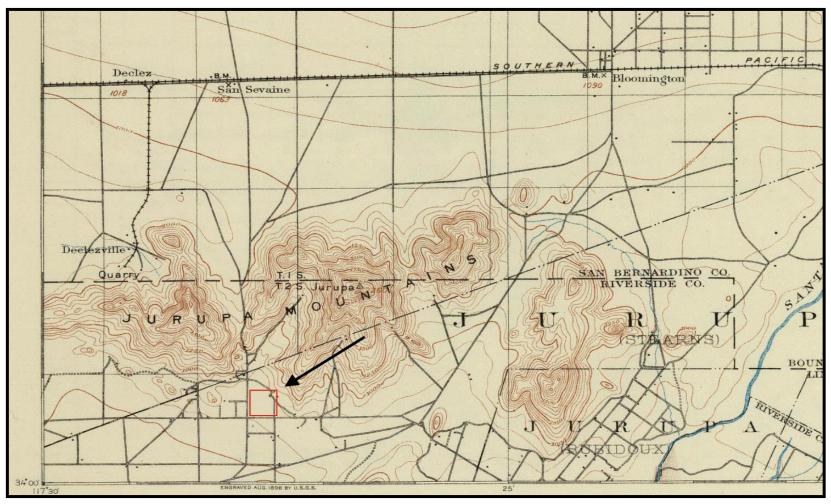


Figure 8: Portion of 15-minute topographic map of the San Bernardino quadrangle (1908, engraved in 1898), locating the study property. An improved light duty road and two structures are located within the parcel boundary.

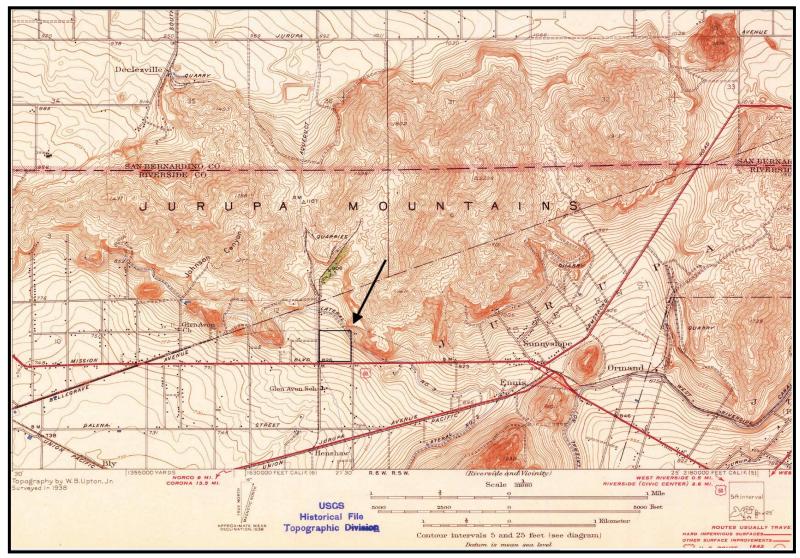


Figure 9: Portion of the USGS Fontana 7.5' quadrangle map (1943), locating the study property. Pyrite Canyon is highlighted.

## **GEOLOGY AND PALEONTOLOGY**

According to Edward MacKevett in *Geology of the Jurupa Mountains*, the Jurupa Mountains are in western San Bernardino and Riverside counties and are comprised mainly of granitic and metamorphosed sedimentary rocks. The granitic rocks are the northernmost exposure of the southern California batholith which was probably formed by a series of deep-seated intrusions. The oldest rocks are metamorphosed sedimentary rocks which were formed before the granitic intrusion and in part were recrystallized and metamorphosed by these intrusions. Jensen's Quarry, west of the subject property, is a locality known throughout the world for its rare minerals and owes its unusual mineral assemblage to the contact metamorphism brought about by the intrusions into sedimentary rocks.

Bonsall tonalite is the most widespread rock in the Jurupa Mountains and comprises the lowest extension of the Jurupa Mountains adjacent and east of the subject property. Woodson Mountain granodiorite crops out in large boulder-like masses, north of the subject property and I-60 and is prominent because it is highly resistant to erosion. Native populations sought granitic rock outcroppings in the Jurupa mountains for economic and ceremonial uses. The Shannahan Quarries in Pyrite Canyon north of the subject property also worked the Woodson Mountain granodiorite (see Figure ). Economic resources of the area are marble, or metamorphized limestone used for making cement, and the several varieties of granitic rocks mainly used for rip-rap. Quartz stringers were processed for gold to little avail.

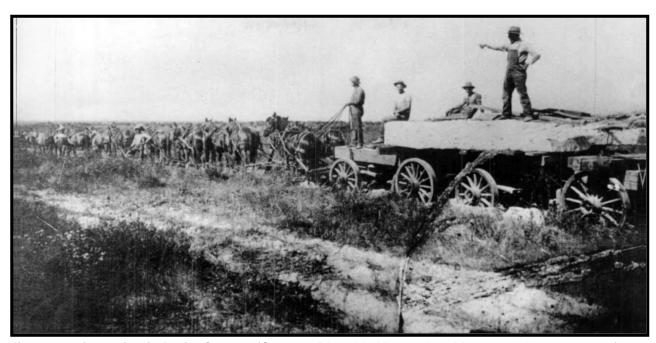


Figure 10. Quarrying in Pyrite Canyon. (Courtesy Riverside Metropolitan Museum; Johnson 2006:79).

Pyrite Canyon is located north of the 60 Freeway and west of the Jurupa Mountains Cultural Center; the eastbound Pyrite onramp abuts the north side of the property. The canyon stretches deep into the Jurupa Mountains and its abundant granite deposits. The Bly Brothers opened a quarry in Pyrite Canyon in 1904, and a railroad spur line was built from Pedley to their quarry. The quarry provided a fine quality granite cut as "dimension stone" as well as a large quantity of riprap. This quarry supplied the riprap for the Long Beach

breakwater and stone for San Pedro Harbor. This photograph shows a particularly large dimension stone being hauled by two wagons by a team of 20 mules and horses. Francisco Silva is standing on top of the large stone. The Silva family moved to the Pyrite Canyon area before 1900 and homesteaded there. In 1900, Mr. Silva received the title to the land he homesteaded (Johnson 2006:79). Silva was one of the 27 Lugo colonists whose names survive in records in San Francisco, along with relatives Mariano and Juan Silvas (Beattie and Beattie 1939:41).

A Records Check was requested at the Natural History Museum of Los Angeles (LACMNH) and received on June 19, 2020 (Appendix C). Samuel McLeod, Vertebrate Paleontology, conducted the research and wrote:

We do not have any vertebrate fossil localities that lie directly within the proposed project area boundaries, but we do have localities nearby from sedimentary deposits similar to those that may occur subsurface in the proposed project area. The surface deposits in the entire proposed project area are composed of older Quaternary Alluvium, derived as alluvial fan deposits derived from the Jurupa Mountains immediately to the north. Being close to the igneous source rocks, these older Quaternary deposits are unlikely to contain significant fossil vertebrate remains, at least in the uppermost layers. At depth, however, there may be older and somewhat finer-grained Quaternary deposits that may well contain significant fossil vertebrate remains. Our closest vertebrate fossil locality from somewhat similar deposits is LACM 8062, west-southwest of the proposed project area west of Mira Loma, that produced fossil specimens of undetermined elephant, Proboscidea, bear, Ursus, dog, Canis dirus, horse, Equus, camel, Camelops, and bison, Bison, at shallow but unstated depth. Slightly further west-southwest of the proposed project area our older Quaternary locality LACM 7811 produced a fossil specimen of coachwhip, Masticophis flagellum, at a depth of 9 to 11 feet below the surface. Further to the southwest, between Corona and Norco, our vertebrate fossil locality LACM 1207 produced a fossil specimen of deer, Odocoileus, at unstated depth.

More specifically, geologic mapping of the project area (Morton and Bovard, 2003) shows that the footprint lies on  $Qof_1 = Old$  alluvial-fan deposits. These authors describe the unit as mainly indurated, tan to brown, sandy to pebbly and cobbly, clay-bearing older alluvium, and they assign it a Pleistocene age. Jefferson (1991a, 1991b) compiled listings of all the Pleistocene localities that produced vertebrate fossils in California. Neither of these lists any localities near Jurupa Valley.

Recent research indicates that Pleistocene alluvial fans can host paleosols (fossil soils) near or at the surface. These can produce vertebrate fossils and microvertebrate fossils (Stewart et al. 2012; Raum et al., 2014). Several unpublished studies have also confirmed these results. It is therefore important for monitoring for paleontological resources in this area to include a search for pedogenic carbonate deposits (caliche) in the soil profile, and to test the sediments for microvertebrate fossils by wet-screening samples. Guidelines for sediment sampling for microvertebrate fossils are provided in the professional guidelines for paleontological monitoring (Society for Vertebrate Paleontology, 2010).

For this reason, the *Jurupa Valley General Plan (2017), Conservation and Open Space Element 4-36, Paleontological Sensitivity,* illustrates that the subject property has a high sensitivity (HA) for finding paleontological resources.

## **CURRENT SITE DESCRIPTION**

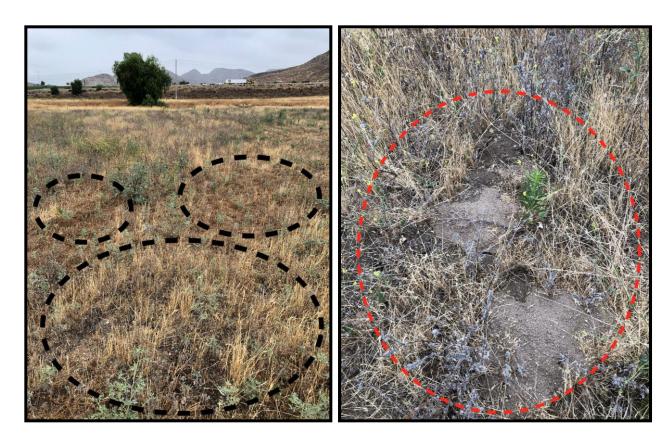
The subject property, like much of the general vicinity, is highly modified, making remote the likelihood of discovering intact archaeological resources during a Phase-1 Inventory. The project area is bounded on the north by California State Route (Highway) 60, on the south by Mission Boulevard, on the west by Pyrite Street, and on the east by vacant land, a truck lot, California pepper trees (Schinus mole), and a residence in the southeast corner of the property. The northeastern corner of the property lies on a gently sloping spur that descends from the foothills of the Jurupa Mountains.

## SITE CONDITIONS AND FIELD SURVEY CONSTRAINTS

Surface visibility over the parcel was poor. It is estimated that 80% of the property was obscured by vegetation, including black mustard (Brassica nigra), viper's-bugloss (Echium vulgari), horseweed (Erigeron canadensis), slender oat (Avena barbata), and flatspine bur ragweed (Ambrosia acanthicarpa) (Figure 6). Burrowing animals have created a complex tunnel system in the central and southern portions of the property. Although the tunneling activities of small critters, such as voles, moles, gophers, or chipmunks, can destroy the stratigraphic integrity of an archaeological site, they can be enormously helpful, too (Figure 7). As tunnels collapse, larger artifacts sink downward with gravity while smaller artifacts, or fragments of shell and bone, are translocated to the modern landscape, permitting the visible inspection of once-buried cultural deposits, if they exist. The absence of cultural materials in the mounds of dirt around an animal burrow is a strong indicator that archaeological resources are not present at that location. Each animal burrow on the study property was inspected for archaeological materials, and none were observed (Figure 8).



**Figure 11. Photo showing surface visibility of the study parcel was poor.** Much of the property was covered by a dense growth of black mustard (*Brassica nigra*), viper's-bugloss (*Echium vulgari*), horseweed (*Erigeron canadensis*), slender oat (*Avena barbata*), and flatspine bur ragweed (*Ambrosia acanthicarpa*). Photo, Caius Chickanis.



**Figure 12. [left] View from the center of the property, facing north.** Dashed lines highlight the complex tunnel system created by small burrowing animals. Spoil from animal burrowing was inspected for evidence of past human activity, and none was noted. Photo, Caius Chickanis.

Figure 13. [right] Dashed lines highlight damage to the landscape caused by digging pests. The dirt pile from each hole was inspected carefully and none produced any cultural material. Photo, Caius Chickanis.

# **FILED SURVEY METHODS**

SRS archaeologist Caius Chickanis examined the subject property on June 18 and June 19, 2020, at which time the fieldwork was completed. Mr. Chickanis used normal survey techniques, inspecting the parcel in one-to-two meter-wide parallel transects, depending on slope and vegetation considerations (Figure 9-Figure 12). The objective of this procedure was the visual detection of prehistoric remains, including lithic debris and artifacts, midden deposits, cultural features, and/or Historic-era foundations or refuse. All exposed terrain and fortuitous exposures, such as rodent burrows, excavated holes, or cleared areas were thoroughly inspected for cultural resources.

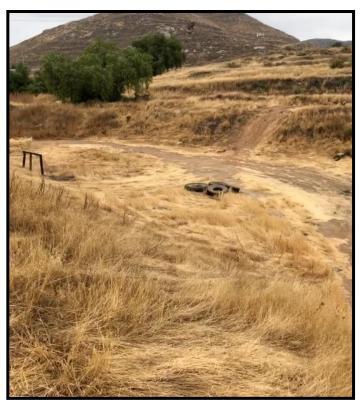


Figure 14. Water basin associated with Lateral No. 3, facing northeast. Photo, Caius Chickanis.



Figure 15. View from northeastern corner of the study parcel, facing west. Photo, Caius Chickanis.

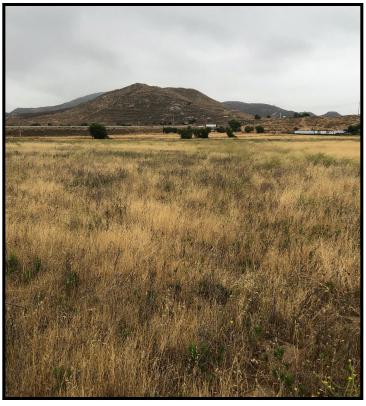


Figure 16. View from southwest corner of

 $\label{the subject property, facing northeast. Photo, Caius Chickanis.}$ 



Figure 17. Close-up view of subject

property, facing northeast. Photo, Caius Chickanis.



Figure 18. An historic water supply system was observed in the northern portion of the property. Photo, Caius Chickanis.



Figure 19. Remnant of Lateral No. 3. View from northeastern corner of property, facing west. Photo, Caius Chickanis.



Figure 20. Remnant of Lateral No. 3. Photo, Caius Chickanis.



Figure 21. Remnant of Lateral No. 3. Photo, Caius Chickanis.

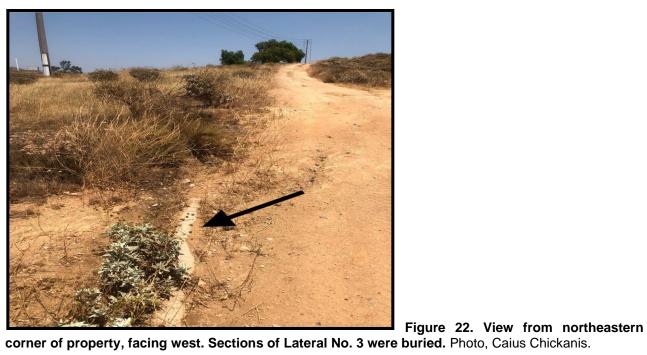




Figure 23. The study property is superimposed on a Google Earth photograph. Note: dashed white lines and arrows highlight Lateral No. 3 in the northern part of the property. Imagery Date: FIELD

## **SURVEY RESEARCH RESULTS**

A careful ground-truthing of USGS maps by the SRS team of archaeologists confirmed the presence of Historic-era resources within the project's APE (Figure 13-Figure 17). Visual examination of the property revealed the physical components of a historic-period water distribution system, dating to the formation of Riverside County (Figure 18). These resources include above ground and buried pipelines, concrete channels, and a water basin. Four Historic-era artifacts were collected, including a drilling tool (Figure 19), a bullet shell casing (Figure 20 and Figure 21), a rusted railroad spike (Figure 22), and an amethyst or purple glass bottleneck fragment (Figure 23). Three of these newly discovered artifacts, the shell casing, railroad spike, and glass bottle fragment, date to the early twentieth century. In addition to these specimens, one prehistoric artifact, was found in the northeastern corner of the site property (Figure 24). No paleontological resources were observed during the survey.



Figure 24. Piece of drilling equipment, possible auger or core barrel tooth. Photo, Caius Chickanis.



Figure 25. Historic shell casing was found in the northeast corner of the property. Photo, Caius Chickanis.



Figure 26. DA€ VII head-stamp from British caliber 303. rifle cartridge manufactured in 1917 by the Dominion Arsenal Co. - Quebec City, Quebec; Canada (1882-1958). Photo, Caius Chickanis.



Figure 27. Rusted metal railroad spike was found in the northeastern corner of the property. Photo, Caius Chickanis.



Figure 28. One amethyst or purple glass bottleneck fragment was found in northeastern corner of property. Photo, Caius Chickanis.



Figure 29. Prehistoric resource (isolated rubbing stone) found during the Phase 1 survey for The Shops at Jurupa Valley Project. The artifact is abraded, pitted, and exhibits evidence of red ocher. Photo, Caius Chickanis.

## CONCLUSION AND RECOMMENDATION

A search of maps, site records, and survey reports on file at the SRS facility revealed the presence of Historic resources on the study parcel. Likewise, the assertion of a Native American Sacred Place in close proximity to the parcel increased the potential for encountering Native resources during the field reconnaissance. Our suspicion proved correct. It should nevertheless be remembered that the survey was limited to surface contexts and that no examinations were made of the subsurface where it was not immediately visible. This point is noted because of the high probability that buried cultural deposits might still be in existence on the property and be obscured at present from ready visibility. Based on the potential for unearthing Historic and Native resources during construction, an Archaeological Mitigation and Monitoring Plan (AMMP) should be developed by SRSINC in coordination with local Native American tribes and the City of Jurupa Valley. The plan must stipulate that all ground-disturbing construction activities would be monitored by an SRS archaeologist and Native tribal representatives. This will be done so as to identify any and all cultural resources that might exist within the project boundaries, to consider the potential impact to such resources, and to protect them from adverse development-related impacts. By following this recommendation, Mr. Wes Fifield will ensure the preservation of these fragile and non-renewable cultural resources.

## **END NOTES**

- a. Cultural resources are tangible remains of past human activity. These may include historic buildings or structures, prehistoric sites, historic or prehistoric objects, rock art, earthworks, canals, or landscapes. Paleontological resources are the fossil remains of animals and plants from the past; they are not considered cultural resources because they are not the result of human agency.
- b. If human remains are discovered during earth-moving activities, then the procedures described in Section 7050.5 (Cal. Health & Safety Code §7050.5.) of the California Health and Safety Code shall be followed. These procedures require notification of the Coroner's Bureau, Riverside County Sheriff's Department. If the Coroner's Bureau determines that the discovered remains are those of Native American ancestry, then the Native American Heritage Commission must be notified by telephone within 24 hours, following guidelines codified in PRC § 5097-5097.993, .98.

## **BIBLIOGRAPHY**

Bancroft, Hubert Howe

1886 The Works of Hubert Howe Bancroft, Vol. XIX: History of California, Vol. II 1801-1824. The History Company, San Francisco.

Bean, Lowell John

1978 "Cahuilla". In California, edited by R.F. Heizer, pp. 575-587. *Handbook of North American Indians*, Vol. 8, W.C. Sturtevant, general editor, Smithsonian Institute, Washington, D.C.

Bean, Lowell John and Charles R. Smith

1978 "Gabrielino". In California, edited by R.F. Heizer, pp.570-574. *Handbook of North American Indians*, Vol.8, William C. Sturtevant, general editor, Smithsonian Institution, Washington, D.C.

Bean, Lowell and Sylvia Brakke Vane

1981 Native American Places in the San Bernardino National Forest, San Bernardino and Riverside Counties, California. CSRI, Arcadia, CA

Beattie, George W. and Helen P. Beattie

1924 Heritage of the Valley: San Bernardino's First Century. Biobooks, Oakland.

Caughey, John Walton

1852 The Indians of Southern California in 1852. Huntington Library, San Marino, CA.

Chartkoff, Joseph L. and Kerry Kona Chartkoff

1984 The Archaeology of California. Stanford University Press.

Guthner, Jane Davies

1984 Riverside County, California, Place Names: Their Origins and Their Stories. Rubidoux Printing Company, Riverside, CA.

Jefferson, G. T.

1991a. A Catalogue of Late Quaternary Vertebrates from California: Part One, Nonmarine Lower Vertebrate and Avian Taxa. Natural History Museum of Los Angeles County Technical Reports no. 5. Jefferson, G. T.

1991b. A Catalogue of Late Quaternary Vertebrates from California: Part Two, Mammals. Natural History Museum of Los Angeles County Technical Reports no. 7.

Johnson, Kim Jarrell

2006 Yurupa (Images of America Series). Arcadia Publishing,

Charleston, South Carolina, Chicago, Illinois, Portsmouth, New Hampshire, and San Francisco, CA.

2007 Rubidoux (Images of America Series). Arcadia Publishing,

Charleston, South Carolina, Chicago, Illinois, Portsmouth, New Hampshire, and San Francisco, CA.

2012 Wicked Jurupa Valley (Images of America Series). Arcadia Publishing,

Charleston, South Carolina, Chicago, Illinois, Portsmouth, New Hampshire, and San Francisco, CA.

Johnston, Bernice Eastman

1962 California's Gabrielino Indians. Southwest Museum, Los Angeles. Reprinted 1964.

Kroeber, Alfred L.

1925 Handbook of the Indians of California. California Book Company Ltd, Berkeley.

Lech, Steve

2012 Pioneers of Riverside County, The Spanish, Mexican and Early American Periods. History Press, Charleston, S.C.

MacKevett, Edward K.

1951 *Geology of the Jurupa Mountains, San Bernardino and Riverside Counties*, California. Special Report 5, Division of Mines, San Francisco, CA, page 3.

McCawley, William

1996 The First Angelinos, The Gabrielino Indians of Los Angeles. Malki Press, Banning, CA.

Meighan, Clement W.

1986 Archaeology for Money. Wormwood Press. Calabasas, California.

Morton, D. M., and K. Bovard.

2003. Preliminary Geologic Map of the Fontana 7.5' quadrangle, Riverside and San Bernardino Counties, California. U.S. Geologic Survey Open File Report 2003-418. Scale 1:24,000.

Moratto, Michael J.

1984 California Archaeology. Academic Press, Orlando, Florida.

Raum, J., G. L. Aron, and R. E. Reynolds.

2014. Vertebrate fossils from Desert Center, Chuckwalla Valley, California. Desert Symposium Proceedings 2014:68-70.

Reid, Hugo

1852 The Indians of Los Angeles County: Hugo Reid's Letters of 1852. Reprinted, Southwest Museum.

Robinson, W.W.

1964 The Story of Riverside County. Title Insurance and Trust Company, Riverside, CA.

Saubel, Katherine Siva and Eric Elliott

2004 'Isill Hégwas Wáxish, A Dried Coyote Tail. Book 2. Malki Press, Banning, CA.

Society of Vertebrate Paleontology (SVP).

2010. Standard procedures for the assessment and mitigation of adverse impacts to paleontological resources, <a href="http://vertpaleo.org/Membership/MemberEthics/SVP\_Impact\_Mitigation\_Guidelines.aspx">http://vertpaleo.org/Membership/MemberEthics/SVP\_Impact\_Mitigation\_Guidelines.aspx</a>

Stewart, J. D., M. Williams, M. Hakel, and S. Musick.

2012. Was it washed in? New evidence for the genesis of Pleistocene fossil vertebrate remains in the Mojave Desert of southern California. California State University Desert Symposium Proceedings 2012:140-143.

Strong, William D.

1929 Aboriginal Society in Southern California. University of California Publications in American Archaeology and Ethnology 26(1): 1-358.

Trafzer, Clifford and Jeffrey Smith

2006 Native Americans of Riverside County. (Images of America Series). Arcadia Publishing, Charleston, South Carolina, Chicago, Illinois, Portsmouth, New Hampshire, and San Francisco, CA.

Weeks, John Howard 2008 Inland Empire. Postcard History Series. Arcadia Publishing,

Charleston, South Carolina, Chicago, Illinois, Portsmouth, New Hampshire, and San Francisco, CA.

## **APPENDIX A:**

RECORDS CHECK, ARCHAEOLOGY: EASTERN INFORMATION CENTER UNIVERSITY OF CALIFORNIA AT RIVERSIDE Subject: 1815-Shops at Jurupa, Jurupa, CA

From: "Nancy 'Anastasia' Wiley, Ph.D" <wileycoyote@srscorp.net>

**Date:** Fri, February 15, 2019 7:55 pm **To:** "eickw ." <eickw@ucr.edu>

**Priority:** Normal

Options: View Full Header | Print | Download this as a file

#### **Eulices-**

Please find attached a completed Records Check Request Form and a USGS Project Area Map for Riverside County APN 171-02-01,02,11,25 consisting of approximately 30 acres, located at Pyrite and Mission in Jurupa Valley, CA..

Please conduct the records search as indicated and respond as soon as possible. What is your current timing on records requests?

I look forward to the results of this search.

Thank you Eulices

Nancy 'Anastasia' Wiley, PhD Research Director/Principal Investigator

SRS INC CA 35109 Hwy 79, Spc 22 Warner Springs, CA 92086 Office: 951-354-1636 Cell: 714-602-0718

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#### California Historical Resources Information System

## **CHRIS Data Request Form**

access and use agreement no.:  $^{276}$ IC FILE NO.: Eastern To: Information Center Print Name: \_\_\_\_Nancy Anastasia Wiley 05/31/20 Date: Affiliation: SRS Inc. 35109 Hwy 79 #22 Address: Warner Springs 92086 State: (951) 354-1636 wileycoyote@srscorp.net Email: Phone: Fax: Billing Address (if different than above): Project Name / Reference: \_\_\_\_\_ Pyrite and Mission Project Street Address: County: \_\_\_\_ Section 12 T2S R6W Township/Range/UTMs: Fontana (2018) USGS 7.5' Quad(s): \_ PRIORITY RESPONSE (Additional Fee): yes O noO TOTAL FEE NOT TO EXCEED: \$\_ Special Instructions: Information Center Use Only Date of CHRIS Data Provided for this Request:

1 of 3

Confidential Data Included in Response: yes O no O

Notes:

8-8-13 Version

#### California Historical Resources Information System

#### **CHRIS Data Request Form**

Include the following information (mark as necessary) for the records search area(s) shown on the attached map(s) or included in the associated shapefiles. Shapefiles are the current CHRIS standard format for digital spatial data products.

### NOTE: All digital data products are subject to availability - check with the appropriate Information Center.

Map Type Desired: Digital map products will be provided only if they are available at the time of this request.
 Regardless of what is requested, only hard copy hand-drawn maps will be provided for any part of the requested search area for which digital map products are not available at the time of this request.
 There is an additional charge for shapefiles, whether they are provided with or without Custom GIS Maps.

#### Mark one map choice only Custom GIS Maps O Shapefiles O Custom GIS Maps and Shapefiles Hard Copy Hand-Drawn Maps only Any selection below left unmarked will be considered a "no." Within 1 mile radius 2a. Within project area yes O yes O ARCHAEOLOGICAL Resource Locations\* noC noC yes O no O yes O NON-ARCHAEOLOGICAL Resource Locations no O noO Report Locations no no 🖸 yes O yes O Resource Database Printout\* (list) yes O yes O Resource Database Printout\* (detail) no no C Resource Digital Database Records (spreadsheet)\* yes O yes 💽 yes O yes O Report Database Printout\* (list) no yes O no 💿 yes Q Report Database Printout\* (detail) yes O yes O Report Digital Database Records (spreadsheet)\* yes O yes O ARCHAEOLOGICAL Resource Record copies\*\* PDF / Hard Copy O yes O no O NON-ARCHAEOLOGICAL Resource Record copies\* yes O no O PDF / Hard Copy O Report copies\*\*: yes no O yes o no O PDFO/ Hard Copy O Only directory listing Associated documentation OHP Historic Properties Directory\*\* yes (V) no (C) yes 1 no C within project area within 1 mi radius yes O no O yes / no OHP Archaeological Determinations of Eligibility\* yes O no C within project area yes O/ no C within 1 mile ves O no O ves O/ no O mi radius California Inventory of Historical Resources (1976): within project area yes ( no C yes o/ no C

yes o no O

yes / no

mi radius

within 1

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<sup>+</sup> In order to receive archaeological information, requestor must meet qualifications as specified in Section III of the current version of the California Historical Resources Information System Information Center Rules of Operation Manual and be identified as an Authorized User under an active CHRIS Access and Use Agreement.

<sup>\*</sup> These documents may be supplied as PDF files, if available

<sup>\*\*</sup> Includes, but is not limited to, information regarding National Register of Historic Places, California Register of Historical Resources, California State Historical Landmarks, California State Points of Historical Interest, and historic building surveys.

#### California Historical Resources Information System

## **CHRIS Data Request Form**

**2b.** Listed below are sources of additional information that may be available at the Information Center. Indicate if a review and documentation of any of the following types of information is requested.

Caltrans Bridge Survey	yes 🔿	no⊙
Ethnographic Information	yes 🔾	no⊙
Historical Literature	yes 💽	noO
Historical Maps	yes 💽	no 🔘
Local Inventories	yes 💽	noO
GLO and/or Rancho Plat Maps	yes 💽	noO
Shipwreck Inventory	yes 🔾	no⊙
Soil Survey Maps	yes 🔿	no⊙

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## **APPENDIX B:**

RECORDS CHECK, NATIVE RESOURCES: SACRED LANDS LISTING NATIVE AMERICAN HERITAGE COMMISSION Subject: SRS 1815- Shops at Jurupa Valley, Jurupa Valley CA

From: "Nancy 'Anastasia' Wiley, Ph.D" <wileycoyote@srscorp.net>

**Date:** Sun, May 31, 2020 5:53 pm **To:** "NAHC" <NAHC@NAHC.ca.gov>

**Priority:** Normal

Options: View Full Header | Print | Download this as a file

Hello,

SRS INC has been contacted to conduct a cultural/tribal resource records assessment on 30 acres for Riverside County Assessor Parcel 171-02-01,02,11 and 25.

Attached you will find a topographic map with the project area delineated and the required sacred lands file search form.

Please feel free to call me or email me if you have any questions.

Thank you.

Nancy 'Anastasia' Wiley, PhD Research Director/Principal Investigator

SRSINC CA 35109 Hwy 79 #22 Warner Springs, CA 92086 Ph: 714-602-0718 (cell)

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

Attachments			
Project site, Jurupa Valley.jpg	image/jpeg	1.6 MiB	Downlo
1815-NAHC SACRED LANDS SEARCH	application/vnd.openxmlformats-	21 KiB	
REQUEST.docx	officedocument.wordprocessingml.document	ZIND	

## Sacred Lands File & Native American Contacts List Request

## **Native American Heritage Commission**

1550 Harbor Blvd, Suite 100 West Sacramento, CA 95691 916-373-3710 916-373-5471 – Fax nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project:	SRS 1815-	Shops at	Jurupa	Valley
----------	-----------	----------	--------	--------

County: Riverside

**USGS Quadrangle Name: Fontana** 

Township: 2S\_ Range: 6W\_ Section(s): 12\_

Company/Firm/Agency: SRS INC

Street Address: 35109 Highway 79 #22

City: Warner Springs Zip: 92086

Phone: 714-602-0718

Fax:

Email: wileycoyote@srscorp.net

## **Project Description:**

SRS INC has been requested to conduct a cultural/tribal resource records check and resource assessment on 30 acres for Riverside County Assessor Parcel No 171-02-01,02,11 and 25. Please find attached a completed Sacred Lands Request Form and a USGS Project Area Map.



Gavin Newsom, Governor



### NATIVE AMERICAN HERITAGE COMMISSION

June 1, 2020

Nancy Wiley SRS INC

CHARPERSON Laura Miranda Luiseño

Via Email to: wileycoyote@srscorp.net

Vice Chairperson Reginald Pagaling Chumash Re: SRS 1815- Shops at Jurupa Valley Project, Riverside County

SECRETARY

Merri Lopez-Keifer Luiserio

Parliamentarian Russell Attebery Karuk

COMMISSIONER Marshall McKay Wintun

COMMISSIONER
William Mungary
Paiute/White Mountain
Apache

COMMISSIONER
Julie TurnamaitStenslie
Churnash

COMMISSIONER Vacanti

Commissioner [Vacanf]

Executive Secretary Christina Snider Pomo Dear Ms. Wiley:

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>positive</u>. Please contact the Gabrieleno Band of Mission Indians – Kizh Nation on the attached list for more information. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

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

If you receive notification of change of addresses and phone numbers from tribes, please notify 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

Attachment

NAHC HEADQUARTERS

1550 Harbor Boulevard Suite 100 West Sacramento, California 95691 [916] 373-3710 nathe@nathe.ca.gov NAHC.ca.gov

Page 1 of 1

#### Native American Heritage Commission Native American Contact List **Riverside County** 6/1/2020

Agua Caliente Band of Cahuilla Indians

Jeff Grubbe, Chairperson

5401 Dinah Shore Drive Palm Springs, CA, 92264 Phone: (760) 699 - 6800

Cahuilla

Cahuilla

Gabrieleno

Gabrieleno

Gabrielino

Gabrielino

Agua Caliente Band of Cahuilla

Fax: (760) 699-6919

Indians Patricia Garcia-Plotkin, Director

5401 Dinah Shore Drive

Palm Springs, CA, 92264 Phone: (760) 699 - 6907

Fax: (760) 699-6924 ACBCI-THPO@aguacaliente.net

Gabrieleno Band of Mission Indians - Kizh Nation

Andrew Salas, Chairperson

P.O. Box 393

Covina, CA, 91723 Phone: (626) 926 - 4131 admin@gabrielenoindians.org

Gabrieleno/Tongva San Gabriel Band of Mission Indians

Anthony Morales, Chairperson

P.O. Box 693

San Gabriel, CA, 91778 Phone: (626) 483 - 3564 Fax: (626) 286-1262

GTTribalcouncil@aol.com

Gabrielino /Tongva Nation

Sandonne Goad, Chairperson 106 1/2 Judge John Aiso St.,

#231

Los Angeles, CA, 90012 Phone: (951) 807 - 0479 sgoad@gabrielino-tongva.com

Gabrielino Tongva Indians of California Tribal Council

Robert Dorame, Chairperson P.O. Box 490

Bellflower, CA, 90707 Phone: (562) 761 - 6417 Fax: (562) 761-6417

gtongva@gmail.com

Gabrielino-Tongva Tribe

Charles Alvarez, 23454 Vanowen Street

West Hills, CA, 91307

Phone: (310) 403 - 6048 roadkingcharles@aol.com

Quechan Tribe of the Fort Yuma Reservation

Manfred Scott, Acting Chairman Kw'ts'an Cultural Committee

P.O. Box 1899 Quechan Yuma, AZ, 85366

Phone: (928) 750 - 2516 scottmanfred@yahoo.com

Quechan Tribe of the Fort Yuma Reservation

Jill McCormick, Historic Preservation Officer

P.O. Box 1899 Quechan

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

historicpreservation@quechantrib

e.com

San Manuel Band of Mission Indians

Jessica Mauck, Director of Cultural Resources

26569 Community Center Drive Serrano

Highland, CA, 92346 Phone: (909) 864 - 8933 jmauck@sanmanuel-nsn.gov

Soboba Band of Luiseno Indians

Joseph Ontiveros, Cultural

Resource Department P.O. BOX 487

San Jacinto, CA, 92581 Phone: (951) 663 - 5279 Fax: (951) 654-4198 jontiveros@soboba-nsn.gov

Cahuilla Luiseno

Gabrielino

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

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed SRS 1815- Shops at Jurupa Valley Project, Riverside County.

#### Native American Heritage Commission Native American Contact List Riverside County 6/1/2020

Soboba Band of Luiseno Indians

Scott Cozart, Chairperson P. O. Box 487 San Jacinto, CA, 92583 Phone: (951) 654 - 2765 Fax: (951) 654-4198 jontiveros@soboba-nsn.gov

Cahuilla Luiseno

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 Scote.

This list is only applicable for contacting local Native Americans with regard to cultural resources assessment for the proposed SRS 1815- Shops at Jurupa Valley Project, Riverside County.

## Re: Project #1815-Shops at Jurupa Valley

Dear Tribal Representative,

I am sending you this letter to inform you of a proposed project located in Jurupa Valley, California. SRS INC has been contacted to conduct a Cultural/Tribal Resources Assessment for 30 acres on Riverside Assessor Parcel No 171-02-01,02,11, and 25. The property is located on USGS map, Fontana Quadrangle, Section 12, Township 2S, and Range 6W (see attached). The Native American Heritage Commission (NAHC) and Eastern Information Center (EIC) have both been contacted for a Sacred Lands Listing Search and Cultural Resource Records Check. Results from these separate research requests will be forwarded to your offices upon request.

Please contact us at your earliest convenience if you have any information regarding cultural resources located near the project area. All information and recommendations provided by you will be filed with the Lead Agency. In accordance with Public Resources Code Section 21080.1(d), the lead agency will contact you within 14 (fourteen) days after rendering a decision to proceed with the proposed project at your request. California Native American tribes have 30 (thirty) days to respond to this letter and request consultation pursuant to the Public Resources Code.

Please send your response regarding any concerns, comments, or recommendations you may have relating to the proposed project to our corporate office at:

SRS INC 35109 Highway 79 #22 Warner Springs, CA 92086 Tel: 714-602-0718

If you have any questions, please contact me at the phone number listed above. You may also email me directly at wileycoyote@srscorp.net. I look forward to discussing any comments or concerns you may have.

Thank you in advance for your help on this matter.

Varay anastaria Hikey

Sincerely,

Nancy Anastasia Wiley, PhD

SRS INC

President, Principal Investigator

## Native American Responses to SRS May 31st Scoping Letter

On Sun, May 31, 2020 at 10:38 PM Gabrieleno Administration @admin @gabrielenoindians.org wrote:

## Hello Nancy

Thank you for your response . We do have information regarding the project location however that information is confidential. Can you please provide the lead agency's contact person who is assigned to this project so that we can engage in a government to government consultation regarding the above project location . Thank you for your time and consideration.

On Wed, June 3, 2020 at 11:52 AM Patricia Garcia-Plotkin, ACBCA-THPO @aguacaliente.net wrote:

### Greetings,

A records check of the Tribal Historic Preservation Office's cultural registry revealed that this project is not located within the Tribe's Traditional Use Area. Therefore, we defer to the other tribes in the area. This letter shall conclude our consultation efforts.

On Thurs, June 6, 2020 at 11:40 AM

Anthony Morales, Gabrieleno/Tongva San Gabriel Band of Mission Indians, <u>GTTribalcouncil@aol.com</u> stated via phone call:

#### Hi Nancy

Our tribal group worked extensively on the Riverside Transportation Corridor and we are very familiar with Native uses of the Jurupa Mountains and surrounding area. Our tribe considers the Santa Ana River, Mt Rubidoux and Jurupa Mountains, which have rock outcrops heavily used by the Gabrieleno people, waterways and natural habitats as parts of our Traditional Cultural Property. The area is sensitive to our people. We would like to be part of any government consultation process about the proposed project.

On Tue, June 30, 2020 4:36 pm, Jessica Mauck, San Manuel, JMauck@sanmanuel-nsn.gov wrote:

- > Hi Nancy,
- > Thank you for contacting the San Manuel Band of Mission Indians
- > (SMBMI) regarding the above-referenced project. The proposed project
- > is just outside of Serrano ancestral territory and, as such, SMBMI has
- > no information to provide for your cultural study and will not elect
- > to consult on this project with the Lead Agency.

>

#### On Mon, July 1, 2020 10:23pm

It is kind of odd because of what is modernly referred to as Jurupa Valley is not the same, despite the name, as where the actual Serrano village of Jurupet is in Colton. Though I cannot provide a map, I can say that the north/northeastern half of Jurupa Valley is in Serrano territory, and the south/southwest portion is more in Gabrieleno territory (this seems to be the case in oral histories, as well as some of the archaeological data). Overall, it was a shared space across Jurupa Valley and Colton with the Serrano generally occupying the east and the Gabrieleno generally occupying the west.

# APPENDIX C:

RECORDS CHECK, PALEONTOLOGY: NATURAL HISTORY MUSEUM AT LOS ANGELES



Natural History Museum of Los Angeles County 900 Exposition Boulevard Los Angeles, CA 90007 tel 213.763 DINO

tel 213.763.DINO www.nhm.org

Vertebrate Paleontology Section Telephone: (213) 763-3325

e-mail: smcleod@nhm.org

19 June 2020

Scientific Resources Surveys, Inc. 11810 Pierce Street Riverwalk Executive Suites #209 Riverside, CA 92505

Attn: J. D. Stewart, Ph.D., Paleontologist

re: Paleontological resources for the proposed Jurupa Valley property Project, SRS Project # 1815, near Glen Avon, Riverside County, project area

#### Dear J.D.:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed Jurupa Valley property Project, SRS Project # 1815, near Glen Avon, Riverside County, project area as outlined on the portion of the Fontana USGS topographic quadrangle map that you sent to me via e-mail on 7 June 2020. We do not have any vertebrate fossil localities that lie directly within the proposed project area boundaries, but we do have localities nearby from sedimentary deposits similar to those that may occur subsurface in the proposed project area.

The surface deposits in the entire proposed project area are composed of older Quaternary Alluvium, derived as alluvial fan deposits derived from the Jurupa Mountains immediately to the north. Being close to the igneous source rocks, these older Quaternary deposits are unlikely to contain significant fossil vertebrate remains, at least in the uppermost layers. At depth, however, there may be older and somewhat finer-grained Quaternary deposits that may well contain significant fossil vertebrate remains. Our closest vertebrate fossil locality from somewhat similar deposits is LACM 8062, west-southwest of the proposed project area west of Mira Loma, that produced fossil specimens of undetermined elephant, Proboscidea, bear, Ursus, dog, Canis dirus, horse, Equus, camel, Camelops, and bison, Bison, at shallow but unstated depth. Slightly farther

Inspiring wonder, discovery and responsibility for our natural and cultural worlds.

west-southwest of the proposed project area our older Quaternary locality LACM 7811 produced a fossil specimen of coachwhip, *Masticophis flagellum*, at a depth of 9 to 11 feet below the surface. Further to the southwest, between Corona and Norco, our vertebrate fossil locality LACM 1207 produced a fossil specimen of deer, *Odocoileus*, at unstated depth.

Shallow excavations in the Quaternary deposits exposed throughout the proposed project area probably will not uncover significant fossil vertebrate remains. Deeper excavations that extend down into older and perhaps finer-grained Quaternary deposits, however, may well encounter significant vertebrate fossils. Any substantial excavations in the proposed project area, therefore, should be closely monitored to quickly and professionally recover any potential vertebrate fossils without impeding development. Also, sediment samples should be collected and processed to determine the small fossil potential in the proposed project area. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

Samuel A. McLeod, Ph.D. Vertebrate Paleontology

Summel a. Mi Lood

enclosure: invoice