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Lancaster provides *a bigger mall area*

Lancaster is a place where youth

Lancaster is a place where families

Lancaster is a place where we can



Lancaster General Plan 2030

Soaring Into the Future

PUBLIC REVIEW DRAFT

December 2008

General Plan 2030 Program Environmental Impact Report Technical Appendices

City of Lancaster



Administrative Draft Completed:	September 11, 2008
Preliminary Draft EIR:	October 31, 2008
Public Review Draft EIR:	December 1, 2008
Final EIR:	

**PUBLIC REVIEW DRAFT
PROGRAM ENVIRONMENTAL IMPACT REPORT
TECHNICAL APPENDICES**

CITY OF LANCASTER 2030 GENERAL PLAN

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APPENDIX G

Cultural Resources Technical Reports

CULTURAL RESOURCES TECHNICAL REPORT

CITY OF LANCASTER GENERAL PLAN UPDATE

For Submittal to:

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October 4, 2006
CRM TECH Contract No. 1829

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Date: October 4, 2006

Title: Cultural Resources Technical Report, City of Lancaster General Plan Update

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USGS quadrangles: Alpine Butte, Del Sur, Lancaster East, Lancaster West, Little Buttes, Redman, Rosamond, and Rosamond Lake, Calif., 7.5' Quadrangles T6N R12-13W and T7-8N R10-14W, San Bernardino Base Meridian

Keywords: City of Lancaster, Los Angeles County; general plan update;

historical/ archaeological sensitivity assessment

EXECUTIVE SUMMARY

Between July and October, 2006, CRM TECH performed a cultural resources overview study on an approximately 267.5-square-mile area in and around the City of Lancaster, Los Angeles County, California. The subject of the study is the planning area for the City's general plan, including the City proper as well as its sphere of influence. It measures approximately 23 miles along the east-west axis and 13 miles along the north-south axis, extending between the City of Palmdale on the south, Kern County, and Edwards Air Force Base (EAFB) on the north. It consists of various sections in T6N R12-13W and T7-8N R10-14W, San Bernardino Base Meridian, as depicted in the USGS Alpine Butte, Del Sur, Lancaster East, Lancaster West, Little Buttes, Redman, Rosamond, and Rosamond Lake, Calif., 7.5' quadrangles.

As part of the environmental overview for an update of the general plan, the purpose of this study is to provide the City of Lancaster with the necessary information and analysis to facilitate cultural resources considerations in the planning process and in formulating City policies. In order to inventory previously identified cultural resources and prepare a sensitivity assessment of the planning area, CRM TECH implemented a historical/archaeological resources records search, pursued historical and ethnohistorical background research, carried out a reconnaissance-level field survey, and consulted with representatives of the local community.

The results of the records search indicate that less than one-fourth of the total acreage within the planning area has been surveyed for cultural resources, leaving the bulk of the planning area yet to be surveyed systematically and intensively. To date, more than 700 archaeological sites, isolates, and historic-period buildings have been previously recorded in the planning area. One of the buildings, the Western Hotel, is listed as a California Historical Landmark. Five of the sites in the planning area, all of them buildings, have been previously evaluated and determined eligible for listing in the National Register of Historic Places. A total of 152 prehistoric, i.e., Native American, sites and 287 historic-period archaeological sites, mainly refuse dumps and ruins of early homesteads, have been identified within the planning area. Most of these sites occur within a two-mile radius of the shoreline of Rosamond Dry Lake within the boundaries of EAFB, in the northeastern portion of the planning area. Some of the sites were recorded along the southern and western boundaries of EAFB, suggesting that many similar sites may be found to the south and west of the EAFB boundaries. The majority of the known sites are from the historic period, reflective of the efforts of early settlers to establish roads and homesteads in the Antelope Valley. At least 138 historic-period buildings have been

recorded in the planning area, nearly all of which were concentrated in and near the city's historic downtown core, as would be expected.

The results of historical research and field reconnaissance provided further support for the distribution pattern of the various types of cultural resources observed above as well as insight into the likelihood of yet-to-be-identified cultural resources to be encountered in each particular geographic setting. Based on the combined findings from all research procedures undertaken, the present study concludes that the northeastern portion of the planning area, and much of the eastern portion of the planning area appear to be highly sensitive for prehistoric resources. Although archaeological remains from both the prehistoric and the historic periods might be discovered anywhere in the planning area that has not been disturbed by modern development activities, the southern portion of the planning area is considered to be relatively low in sensitivity for prehistoric archaeological resources.

Historic-period archaeological deposits can be expected wherever early settlements occurred. The downtown Lancaster area is highly sensitive for the presence of unknown subsurface historic-period archaeological deposits dating to the city's early history. In addition, archaeological remains from the historic period have been found in the past scattered over the surface of the valley floor, and may occur virtually anywhere in the planning area.

For historic-period buildings and other features of built environment, the downtown area bounded by Jackman Street on the north, Avenue J on the south, Trevor Street on the east, and Genoa Street on the west showcase the densest concentration of early 20th century residential and commercial buildings. The neighborhoods between Avenue H, Avenue K, 20th Street West, and 10 Street East (Challenger Way) feature a relatively high percentage of mixed-vintage residences from the early and mid-20th century, including some buildings that are now approaching the age threshold to be considered potentially historic. In addition, a number of buildings in the communities of Redman and Roosevelt, as well as those associated with the Polaris War Eagle Flight Academy (now the Mira Loma Detention Facility) appear to be over, or approaching the age threshold, and these three areas should be considered historically sensitive. Sporadic historic-period buildings can be found throughout much of the planning area, with the exception of where recent large subdivisions have been developed.

To help ensure the proper management of Lancaster's historic heritage, CRM TECH presents the following recommendations to the City:

- Establish a transmittal system with the South Central Coastal Information Center (SCCIC) at California State University, Fullerton, as a routine procedure in its planning process;

- Adopt a City policy to make or require every reasonable effort to identify and document historical/archaeological resources that may be affected by proposed development projects and other landscape-altering activities;
- Pursue further, government-to-government consultation with Native American tribes in the region to comply with State Bill 18 mandate.

In addition to these cultural resource management procedures, the City may find it beneficial to take other steps towards formulating a comprehensive historic preservation program, such as initiating a citywide historical resources survey, establishing an official register of local historical landmarks, enacting a historic preservation ordinance, and participating in the State of California's Certified Local Government program.

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INTRODUCTION

Between July and October, 2006, CRM TECH performed a cultural resources overview study on an approximately 267.5-square-mile area in and around the City of Lancaster, Los Angeles County, California (Fig. 1). The subject of the study is the planning area for the City's general plan, including the City proper as well as its sphere of influence. It measures approximately 23 miles along the east-west axis and 13 miles along the north-south axis, extending between the City of Palmdale on the south, Kern County, and Edwards Air Force Base (EAFB) on the north. It consists of various sections in T6N R12-13W and T7-8N R10-14W, San Bernardino Base Meridian, as depicted in the USGS Alpine Butte, Del Sur, Lancaster East, Lancaster West, Little Buttes, Redman, Rosamond, and Rosamond Lake, Calif., 7.5' quadrangles (Fig. 2).

As part of the environmental overview for an update of the general plan, the purpose of this study is to provide the City of Lancaster with the necessary information and analysis to facilitate cultural resources considerations in the planning process and in formulating City policies. In order to inventory previously identified cultural resources and prepare a sensitivity assessment of the planning area, CRM TECH implemented a historical/archaeological resources records search, pursued historical and ethnohistorical background research, carried out a reconnaissance-level field survey, and consulted with representatives of the local community. The following report is a complete account of the methods and results of the research, and the final conclusion of this study.

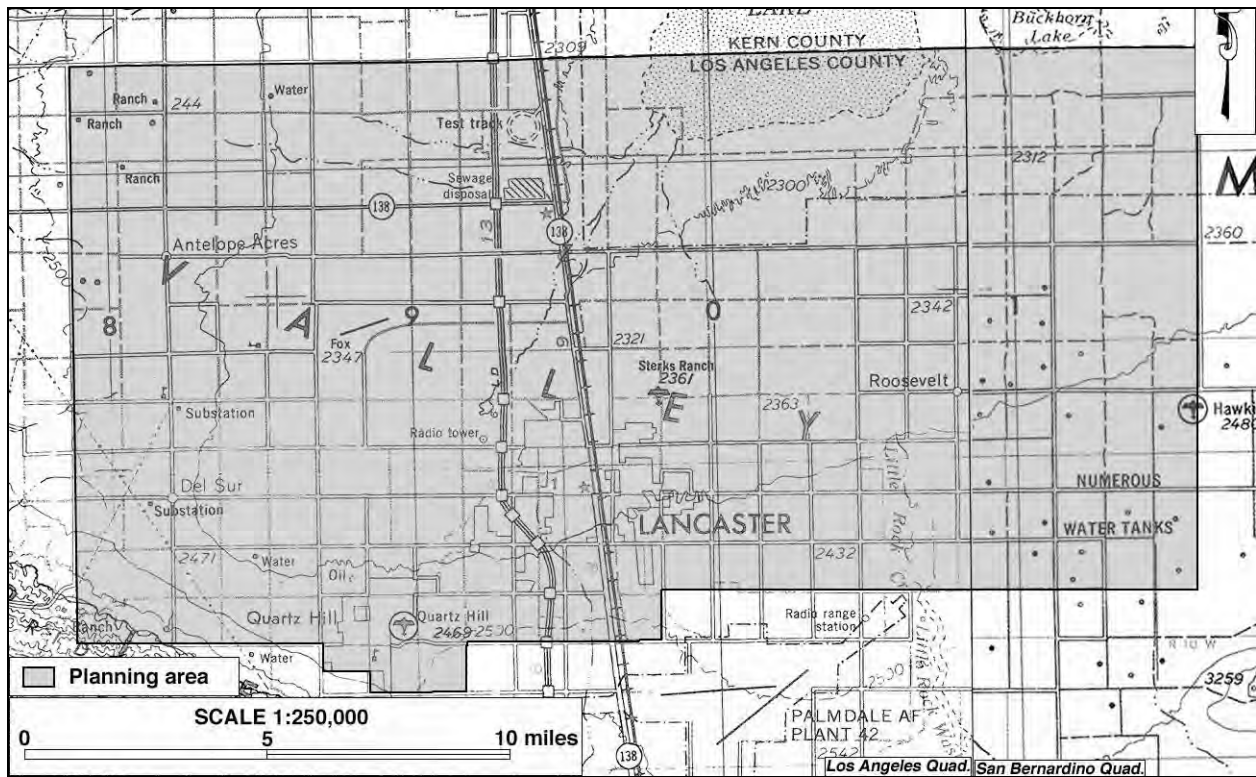


Figure 1. Project vicinity. (Based on USGS Los Angeles and San Bernardino, Calif., 1:250,000 quadrangles [USGS 1969; 1975])

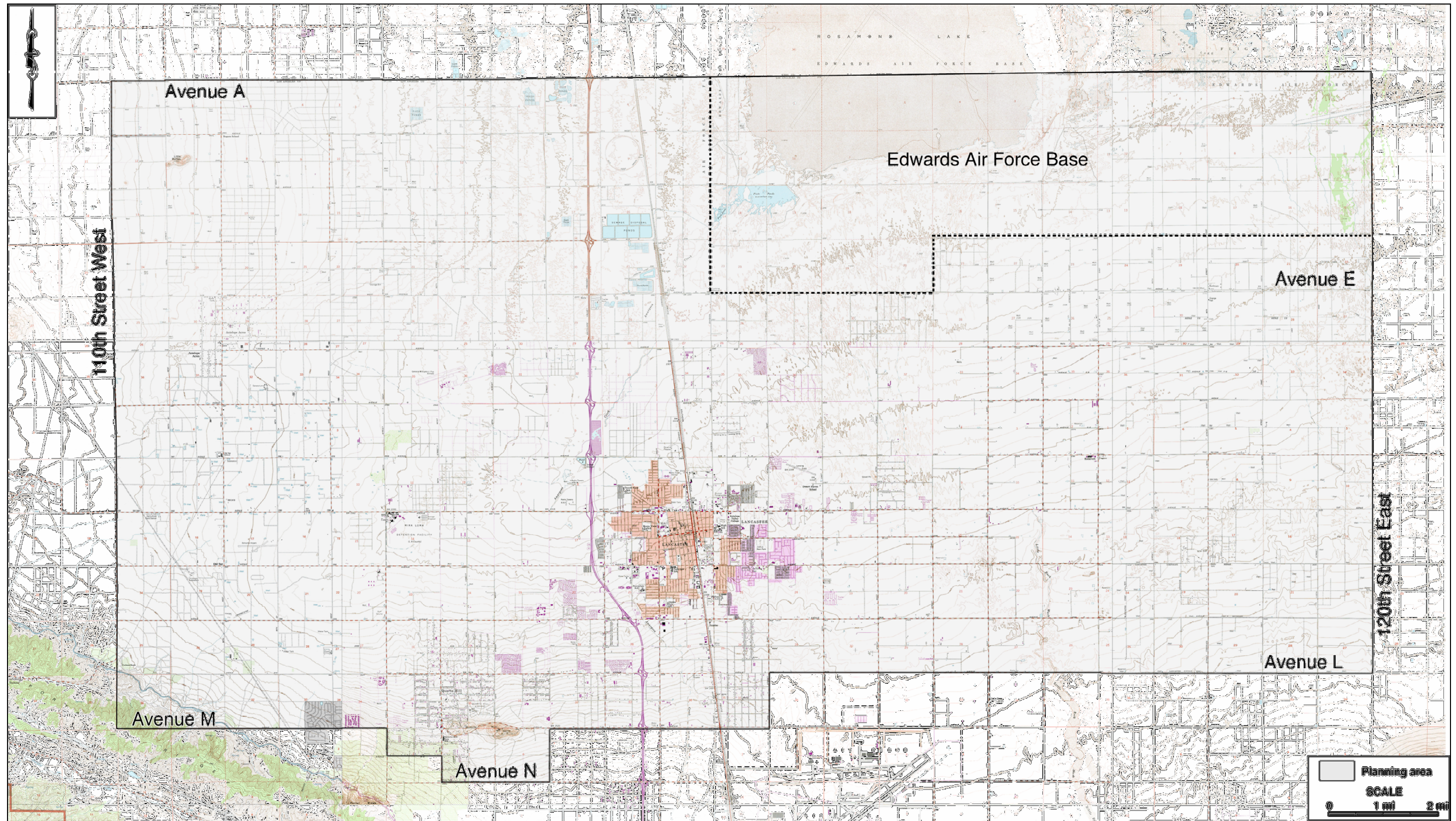


Figure 2. The planning area. (Based on USGS Alpine Butte, Del Sur, Lancaster East, Lancaster West, Little Buttes, Redman, Rosamond, and Rosamond Lake, Calif., 1:24,000 quadrangles [USGS 1973a-b; 1974a-c; 1992a-b; 1995])

CULTURAL SETTING

PREHISTORIC CONTEXT

Archaeological Chronology

In order to understand Native American cultures prior to European contact, archaeologists have devised chronological frameworks on the basis of artifacts and site types dating back some 12,000 years. One of the more frequently used time frames for the Mojave Desert, including the Antelope Valley, divides the region's prehistory into five periods marked by changes in archaeological remains, reflecting different ways in which Native peoples adapted to their surroundings. According to Warren (1984) and Warren and Crabtree (1986), these five periods are the Lake Mojave Period (12,000-7,000 years ago), the Pinto Period (7,000-4,000 years ago), the Gypsum Period (4,000-1,500 years ago), the Saratoga Springs Period (1,500-800 years ago), and the Protohistoric Period (800 years ago to European contact).

This time frame is based on general technological changes from large stone projectile points, with few milling stones for grinding food products, to smaller projectile points with an increase in milling stones. The scheme also notes increases in population, changes in food procurement and resource exploitation, and more cultural complexity over time. During the Protohistoric Period, there is evidence of contact with the Colorado River tribes and the introduction of pottery across the Mojave Desert.

Ethnohistory

The City of Lancaster, in the heart of the Antelope Valley, lies on the southern edge of the traditional homeland of the Kitanemuk, a small Native American group located principally on the southern and western flanks of the Tehachapi Mountains (Blackburn and Bean 1978). The general ecological adaptation and subsistence technology of the Kitanemuk differed little from that of their neighbors to the north or west, such as the Southern Valley Yokuts. Linguistic evidence suggests the presence of some form of the patrilineal system found elsewhere in southern California, but the lineages were not totemic, nor was there evidence of moieties. Precise data on the demographic characteristics and political organization of the Kitanemuk can no longer be obtained. The following ethnographic discussion of the Kitanemuk people is based on Kroeber (1925) and Blackburn and Bean (1978).

In 1776, the Spanish explorer Francisco Garcés found members of the Kitanemuk living in a square communal tule house. The structure was constructed of poles covered with woven mats of tule, and featured individual family rooms that had their own door and fireplace. It surrounded a central courtyard with two entrances, with a sentry at each entrance. The

modern Yokuts deny that the Kitanemuk built communal houses, but the occurrence may have been because the Kitanemuk and their neighbor, the Alliklik, appeared to be at war when Garcés traveled through the area. The Kitanemuk had recently killed an Alliklik chief, and were also disliked by the Yokuts, making travel between their territories difficult for Garcés, who could not get a Kitanemuk guide to travel to the Yokuts area.

The Kitanemuk had a number of customs that were similar in nature to their neighbors and other southern California tribes. They reportedly buried their dead, and had a memorial burning of the property, usually including a clothed representative figurine of the person. They practiced using jimson weed as an intoxicating drink for the boys' initiation ceremony. Tobacco was pounded with lime and water in a small stone mortar and eaten as ritual to relieve fatigue before sleep. Ground seeds were often sprinkled over the fire or sacred objects as an offering. Basketry was made using both coiling and twining techniques, though the basket style was more like those of the San Joaquin Valley tribes than the southern California tribes. The Kitanemuk also had wood vessels with abalone (*Haliotis* sp.) shell inlays that may have been acquired through regular trade with the Chumash near the coast.

Although the Kitanemuk had contact with Garcés and Spanish colonizers as early as the 1770s, little historical information is available today on this small group, which may have had no more than 500-1,000 members at the peak of its population. The Kitanemuk were apparently represented at the San Fernando, San Gabriel, and San Buenaventura Missions. After the American take-over, some were found on the Tejon Reservation in the 1850s, and later on at the Tule River Reservation, where some of their descendants still reside.

HISTORIC CONTEXT

In 1772, a small force of Spanish soldiers under the command of Pedro Fages became the first Europeans to set foot in the Antelope Valley. Over the next century, a number of famous explorers, including Francisco Garcés, Jedediah Smith, Kit Carson, and John C. Fremont, traversed the Antelope Valley, but their explorations brought little change to the region. For much of the 19th century, the Antelope Valley continued to receive only the occasional hunters, drawn by its legendary herds of antelopes, and travelers. Don Alexander and Phineas Banning's first stage line between Los Angeles and northern California, for example, ran through the southern edge of the valley.

The history of today's City of Lancaster began in 1876, when the Southern Pacific Railway Company chose the essentially uninhabited Antelope Valley for its line between the San Joaquin Valley and the Los Angeles Basin, and established a string of regularly spaced sidings and water stops across the desert. Around one of these sidings and water stops, Moses Landley Wicks, a real estate developer who was active in many parts of southern

California at the time, purchased from the Southern Pacific 640 acres of land and laid out the townsite of Lancaster in 1884. During the land boom of the 1880s and early 1890s, the new town prospered, thanks to the abundance of artesian water in the vicinity. Beginning in 1895, however, several years of continuous drought all but destroyed Lancaster and other settlements in the Antelope Valley, and forced nearly all settlers to abandon their land and leave the region (Hamilton et al. 1913:35-37).

Along with the other settlements, Lancaster recovered slowly after the turn of the century. With the adoption of electric water pumps, irrigated agriculture became the primary means of livelihood in the region. Alfalfa, which was first introduced around 1890 (Hamilton et al. 1913:34), emerged as the principal crop in the early 20th century, so much so that "alfalfa is king" became the slogan for the agricultural interests in the valley. After WWII, however, the aerospace and defense industry overtook agriculture as the most important sector in the Antelope Valley economy. In 1977, Lancaster was incorporated as a city. Since then, the city has experienced rapid growth due to the phenomenal expansion of housing development, and increasingly taken on the characteristics of a "bedroom community" in support of the Greater Los Angeles area.

RESEARCH METHODS

RECORDS SEARCH

The South Central Coastal Information Center (SCCIC) at California State University, Fullerton, provided the records search service for this study. The SCCIC is the official cultural resource records repository for Los Angeles, Orange, and Ventura Counties, and a part of the California Historical Resources Information System, established and maintained under the auspices of the Office of Historic Preservation.

During the records search, the Center's electronic database was checked for previously identified historical/archaeological resources in or near the project area, and existing cultural resources reports pertaining to the vicinity. Previously identified historical/archaeological resources include properties designated as California Historical Landmarks or Points of Historical Interest, as well as those listed in the National Register of Historic Places, the California Register of Historical Resources, or the California Historical Resources Information System.

HISTORICAL RESEARCH

Historical background research for this study was conducted by CRM TECH historian Bai "Tom" Tang (see App. 1 for qualifications) on the basis of published literature in local and regional history and historic maps of the Lancaster area. Four sets of historical maps provided detailed illustration of the growth of the Lancaster area between the 1850s and

the 1950s: the township plat maps produced by the United States General Land Office (GLO) based on surveys completed in 1850-1870, and topographic maps produced by the United States Geological Survey (USGS) based on surveys completed in 1930-1931 and aerial photographs taken in 1942-1943 and 1952-1958. These maps are collected at the Science Library of the University of California, Riverside, and the California Desert District of the U.S. Bureau of Land Management, located in Moreno Valley.

ETHNOHISTORICAL RESEARCH

For information on possible sites of Native American traditional cultural value, CRM TECH archaeologist Josh Smallwood (see App. 1 for qualifications) pursued additional research in the literature on Kitanemuk culture and history. In particular, the location of known Kitanemuk village sites and sites associated with neighboring tribes in the vicinity that would be of Native American cultural significance, as discussed by Blackburn and Bean (1978:564), Sutton (1988), and Earle (1992), were identified and taken into consideration in the cultural resources sensitivity analysis.

CONSULTATION WITH LOCAL COMMUNITY

As part of the research procedures, Josh Smallwood sought consultation with Dave Ledbetter of the City of Lancaster, the Lancaster Chamber of Commerce, the Antelope Valley Indian Museum, and Norma Gurba, a well-known local historian and curator at the Lancaster Museum and Art Gallery, for information pertaining to properties of local historical interest. A log of telephone contacts between CRM TECH and the local community representatives is attached to this report in Appendix 2.

FIELD RECONNAISSANCE

After completion of the records search and other preliminary research work, Josh Smallwood and CRM TECH archaeologist Daniel Ballester (see App. 1 for qualifications) carried out the field reconnaissance by conducting a "windshield survey" of the planning area and spot-checking some of the previously identified cultural resources in the area and anticipated locations of prehistoric or historic features. The southern portion of Edwards Air Force Base, located within the boundaries of the planning area, could not be accessed during the field reconnaissance. The main purpose of the field reconnaissance was to examine the current condition of known cultural resources and evaluate the sensitivity of the planning area for cultural resources that are yet to be identified, from both the prehistoric and the historic periods. The results of the field reconnaissance are discussed in the sections below.

RESULTS AND FINDINGS

RECORDS SEARCH

Known Historical/Archaeological Sites

According to records on file at the SCCIC (see App. 3), the southern portion of the planning area in and around downtown Lancaster has been the location of much recent growth, necessitating numerous cultural resource surveys for development projects. Those studies encountered a number of archaeological sites, historic-period buildings, and other built environment features. Meanwhile, most of the rural, less populated land to the west, north, and east of the urbanized portions of Lancaster remains unsurveyed for cultural resources, reflecting the fact that development projects, usually the trigger for such surveys, have not been as widespread in those areas. A notable exception to this is the portion of Edwards Air Force Base (EAFB) lying within the planning area, which has been intensively surveyed as part of the Base's effort to inventory the cultural resources located within its boundaries. As a result of that effort, a total of 286 archaeological sites, including several prehistoric camps, lithic scatters, historic-period trash dumps, built environment features such as foundations and irrigation dating to the late 19th and early to mid-20th centuries, and 96 isolates, or sites with fewer than three artifacts, have been recorded on the portion of EAFB located within the boundaries of the planning area.

In all, less than one-fourth of the total acreage within the planning area has been covered by project-related surveys, leaving most of the planning area yet to be surveyed systematically and intensively. Due in part to some of these previously completed surveys, at least 432 historical/archaeological sites and 134 isolates have been discovered within the planning area. These resources, including 152 prehistoric¹ – i.e., Native American – sites and 287 historic-period sites, have been recorded into the California Historical Resource Information System. The isolated finds include 111 prehistoric artifacts, such as ground or flaked pieces of stone, and 23 historic-period items including glass bottle fragments and other refuse. Table 1 lists a total of 566 previously recorded historical/archaeological sites and isolates found within the boundaries of the planning area.

As Table 1 shows, at least 37 prehistoric campsites and numerous prehistoric lithic scatters have been recorded within the boundaries of the planning area. Many of these prehistoric habitation and use areas were recorded within a two-mile radius of the shoreline of Rosamond Dry Lake on EAFB. This mass of sites were recorded all the way to the southern and western boundaries of the Base, suggesting that many similar sites may be found to the south and west of the EAFB boundaries. The topography where these sites were found is very similar to the surrounding area, consisting of small dunes that contain, or may have

¹ Seven of the 152 prehistoric sites have historic-period components.

once contained, many stands of mesquite and Joshua trees. Mesquite and Joshua trees were once important food plants for southern California desert tribes.

One prehistoric village site has been recorded near Rosamond Dry Lake within the planning area. The prehistoric campsites recorded in the area usually contained items such as stone flakes, milling stones, flaked stone tools, fire-affected rock, animal bone, shell beads, and shell fragments. Sites containing milling stones and fire-affected rock are usually associated with food processing activities, and are areas where Native Americans ground, prepared, and cooked plant and animal resources for food. Lithic scatters

Table 1. Recorded Historical/Archaeological Sites in the Planning Area*	
Site Number	Description
CA-LAN-76	Prehistoric lithic quarry
CA-LAN-419	Prehistoric lithic scatter, manos, scrapers, knives, notched tools
CA-LAN-485	Chipped stone and butchered calf
CA-LAN-486H	Historic-period trash dump, pre-1920
CA-LAN-714	Prehistoric lithic scatter
CA-LAN-715	Prehistoric lithic scatter
CA-LAN-716	Prehistoric lithic scatter
CA-LAN-720/H **	Historic-period trash dump and chipped stone
CA-LAN-764H	Leonis Adobe, ca. 1870s
CA-LAN-765	Flake scatter, milling stones, small mammal bones
CA-LAN-766	Prehistoric lithic scatter
CA-LAN-768 **	Prehistoric lithic scatter (800+ flakes)
CA-LAN-769/H **	Prehistoric lithic scatter, historic-period trash dump
CA-LAN-770 **	Prehistoric lithic scatter
CA-LAN-771 **	Prehistoric lithic scatter
CA-LAN-773H **	Historic-period trash dump
CA-LAN-787	Prehistoric lithic scatter
CA-LAN-788	Projectile point

* Information on the exact locations of these sites is kept confidential as a protective measure

** Located on Edwards Air Force Base

Table 1. Recorded Historical/Archaeological Sites in the Planning Area (Cont.)	
Site Number	Description
CA-LAN-796 **	Prehistoric lithic scatter, mano, shell fragments, projectile points
CA-LAN-828 **	Prehistoric fragmented milling stones, fire-affected rock, lithic scatter
CA-LAN-1067	Prehistoric lithic scatter
CA-LAN-1100 **	Prehistoric camp, lithic scatter, ceramics, shell, fire-affected rock
CA-LAN-1101 **	Prehistoric lithic scatter
CA-LAN-1102 **	Prehistoric lithic scatter
CA-LAN-1103 **	Possible human cranium fragment, lithic scatter, fire-affected rock
CA-LAN-1146 **	Prehistoric lithic scatter (90+ flakes)
CA-LAN-1147 **	Prehistoric lithic scatter, four small loci
CA-LAN-1148 **	Prehistoric lithic scatter (100+ flakes)

CA-LAN-1149 **	Prehistoric lithic scatter (1,000+ flakes)
CA-LAN-1156 **	Prehistoric lithic scatter, mano
CA-LAN-1157 **	Prehistoric lithic scatter, milling stone
CA-LAN-1158 **	Prehistoric camp site, fire-affected rock, lithic scatter
CA-LAN-1160 **	Prehistoric lithic scatter
CA-LAN-1208 **	Prehistoric lithic scatter
CA-LAN-1230	Prehistoric lithic scatter
CA-LAN-1231	Prehistoric lithic scatter
CA-LAN-1232	Prehistoric camp site, stone flakes, groundstone fragments, burned bone
CA-LAN-1233/H **	Scattered stone flakes and ca. 1940s homestead
CA-LAN-1234	Prehistoric lithic scatter
CA-LAN-1238 **	Prehistoric lithic scatter, fire-affected rock, burned faunal remains
CA-LAN-1239 **	Prehistoric lithic scatter
CA-LAN-1240 **	Prehistoric camp, lithic scatter, projectile points
CA-LAN-1241 **	Prehistoric lithic scatter
CA-LAN-1242 **	Prehistoric lithic scatter
CA-LAN-1243/H **	Prehistoric camp, lithic scatter, historic-period trash dump
CA-LAN-1283 **	Prehistoric camp site, numerous hearths, 1,000+ flakes, projectile points
CA-LAN-1285 **	Prehistoric camp site, lithic scatter, fire-affected rock
CA-LAN-1289/H	Historic-period trash dump, prehistoric camp site, 1,000+ stone flakes, cores, mano fragments
CA-LAN-1296 **	Prehistoric village site, 1,000+ stone flakes, projectile points, groundstone fragments
CA-LAN-1308 **	Prehistoric lithic scatter, mano, metate
CA-LAN-1309 **	Possible prehistoric camp, lithic scatter, metate fragments, mano
CA-LAN-1310/H **	Prehistoric camp and ca. 1922 homestead, fire-hearth, manos, metates, 1,000+ flakes
CA-LAN-1316	Prehistoric lithic scatter
CA-LAN-1317	Prehistoric camp site, 10,000+ stone flakes, projectile point, groundstone fragments
CA-LAN-1318	Prehistoric camp, stone flakes, projectile point, groundstone fragments
CA-LAN-1319 **	Five prehistoric camp loci containing stone flakes, groundstone fragments, and a core
CA-LAN-1320 **	Prehistoric camp, lithic scatter, shell fragments
CA-LAN-1321	Prehistoric camp, stone flakes, mano, shell fragment
CA-LAN-1334	Prehistoric lithic scatter
CA-LAN-1387H **	Pliny Finch Well (ca. 1900-1950), seven concrete slabs
CA-LAN-1389H **	Historic-period homesteads, pre-1911
CA-LAN-1390H **	Historic period homestead
CA-LAN-1392H **	Historic period homestead, ca. 1930s
CA-LAN-1397H **	Historic-period cistern, pumphouse, trash, ca. 1920-1925
CA-LAN-1404H **	Historic-period homestead, foundation, chimney, ca. 1914-1950
CA-LAN-1405H **	Historic-period homestead, adobe ruins, ca. 1920s-1950
CA-LAN-1406H **	Historic-period homestead, adobe ruins, ca. 1920s
CA-LAN-1407H **	Historic-period homestead, adobe structure, ca. 1910s
CA-LAN-1408H **	Historic-period homestead, foundation, ca. 1900s-1940s
CA-LAN-1409	Prehistoric lithic scatter
CA-LAN-1412	Prehistoric lithic scatter
CA-LAN-1422H	Historic-period trash dump, ca. 1920s
CA-LAN-1427	Prehistoric lithic scatter

CA-LAN-1437 **	Historic-period homestead
CA-LAN-1438 **	Prehistoric lithic scatter, 200+ flakes
CA-LAN-1439H **	Historic-period homestead, foundation, ca. 1920s
CA-LAN-1440H **	Historic-period trash, foundation, rubble
CA-LAN-1441H **	Historic-period ruins and trash dump
CA-LAN-1462	Two rock shelters with pictographs
CA-LAN-1464H **	Historic-period homestead, duck hunter's club, ca. 1910-1954
CA-LAN-1465H **	Possible location of historic-period school, community of Waterdale, ca. 1915-1925
CA-LAN-1466H **	Historic-period homestead ruins, ca. 1890-1950
CA-LAN-1468	Prehistoric lithic scatter
CA-LAN-1469H	Historic-period trash dump, ca. 1915
CA-LAN-1474H **	Historic-period homestead, ca. 1920
CA-LAN-1475H **	Historic-period homestead, adobe ruins, ca. 1920
CA-LAN-1476H **	Historic-period homestead, structural remains, ca. 1925-1950
CA-LAN-1477H **	Historic-period homestead, foundations, ca. 1930s
CA-LAN-1478H **	Historic-period homestead, foundation, ca. 1930s
CA-LAN-1479H **	Historic period homestead, foundation, ca. 1890-1950
CA-LAN-1481H **	Historic-period homestead, ca. 1910s
CA-LAN-1482H **	Historic-period homestead with cement cistern and pump house, ca. 1900-1920
CA-LAN-1483H **	Possible church or school, ca. 1910s
CA-LAN-1484H **	Historic-period homestead, foundation, ca. 1910s
CA-LAN-1485H **	Historic-period homestead, adobe foundations, ca. 1920s
CA-LAN-1486H **	Historic-period homestead, foundation, ca. 1920s
CA-LAN-1487H **	Historic-period homestead, adobe ruins, ca. 1920s-1930s
CA-LAN-1488H **	Historic-period homestead, adobe ruins, ca. 1930s
CA-LAN-1489H **	Historic-period homestead, adobe ruins, ca. 1930s
CA-LAN-1490H **	Historic-period homestead, adobe ruins, ca. 1915-1950
CA-LAN-1491H **	Historic-period homestead ruins, complex, ca. 1915-1950
CA-LAN-1497H **	Historic-period homestead, structural feature and trash dump, ca. 1915-1950s
CA-LAN-1498H **	Historic period homestead, ca. 1930s, foundation only
CA-LAN-1501H **	Historic-period homestead, foundations, ca. 1900-1950
CA-LAN-1502H **	Historic-period homestead, ca. 1920s, foundation only
CA-LAN-1508/H **	Prehistoric lithic scatter, historic-period trash dump, ca. 1910-1915
CA-LAN-1510H **	Historic-period home site, rock foundation, ca. 1920-1940
CA-LAN-1511H **	Historic-period holding pond and well, 1880-1920
CA-LAN-1526H	Mederoft, Pittman, and Burris House, constructed ca. 1910s
CA-LAN-1527H	Well and water tank, ca. early 1900s
CA-LAN-1542H **	Historic-period homestead, adobe foundation, ca. 1910s
CA-LAN-1543H **	Historic-period homestead, foundation, ca. 1915-1935
CA-LAN-1544H **	Historic-period homestead, ca. 1900s-1940s
CA-LAN-1545H **	Historic-period homestead, holding pond, ca. 1910-1945
CA-LAN-1546H **	Historic-period homestead, cellar, holding pond, ca. 1915-1945
CA-LAN-1547H **	Historic-period homestead, holding pond, ca. 1910-1940
CA-LAN-1548H **	Historic-period homestead, well-head, windmill, ca. 1930-1945
CA-LAN-1549H **	Historic-period corral, holding pond, ca. 1930-1940

CA-LAN-1551H **	Historic-period homestead, foundation, ca. 1915-1950
CA-LAN-1555H **	Historic-period homestead, cellar, ca. 1915-1940
CA-LAN-1558H **	Historic-period homestead, foundation, ca. 1920-1950
CA-LAN-1559H **	Historic-period homestead, foundation, ca. 1905-1954
CA-LAN-1560H **	Historic-period homestead, cement, brick, adobe foundation, pre-1940s
CA-LAN-1561H **	Historic-period homestead, ca. 1925-1950
CA-LAN-1562H **	Historic-period homestead, ca. 1910-1954
CA-LAN-1563H **	Historic-period homestead, foundation, pump house, ca. 1910-1950
CA-LAN-1564H **	Historic-period homestead, foundation, ca. 1930s
CA-LAN-1566H **	Historic-period homestead, foundation, ca. 1930s
CA-LAN-1579H	Historic-period Del Sur cemetery, ca. 1800s
CA-LAN-1612H	Historic-period adobe ranch at Del Sur, ca. 1920s
CA-LAN-1705H **	Historic-period homestead, adobe ruins, ca.1920s
CA-LAN-1726H **	Historic-period homestead, small cabin ruins, ca. 1915-1935
CA-LAN-1729H **	Historic period homestead ruins, pre-1920s
CA-LAN-1793H	Historic-period trash dump, ca. 1920s-1930s
CA-LAN-1794H **	Historic-period homestead, multiple foundations, ca. 1910s-1950s
CA-LAN-1795H **	Historic-period homesite, poured concrete foundation, ca. 1915-1950
CA-LAN-1803H **	Historic-period homestead, foundation, well, ca. 1900s
CA-LAN-1804H **	Historic-period homestead, foundation, two well-heads
CA-LAN-1819H	Five-points road, constructed early-1900s
CA-LAN-1832H **	Historic-period clay mine facility, ca. 1930-1950
CA-LAN-1844H **	Historic-period reservoir, ca. 1935
CA-LAN-1863H **	Historic-period homestead, adobe, ca. 1910-1935
CA-LAN-1864H **	Historic-period homestead, complex system of ditches, ca. 1920-1940s
CA-LAN-1919H **	Historic-period homestead ruins, ca. 1915
CA-LAN-1920H **	Historic-period homestead ruins, ca. 1917
CA-LAN-1923H **	Historic-period homestead, cement block chimney, ca. 1940s
CA-LAN-1925H **	Historic-period homestead ruins, ca. 1930s
CA-LAN-1926H **	Historic-period ruins, "duck hunting club," ca. 1910-1950
CA-LAN-1927H **	Historic-period homestead, ruins, ca. 1923-1950s
CA-LAN-1928H **	Historic-period homestead, foundation, ca. 1930s-1950s
CA-LAN-1929H **	Historic-period homestead, foundation, ca. 1910s-1950s
CA-LAN-1930H **	Historic-period homestead, foundation, ca. 1910s-1950s
CA-LAN-1968H	Historic-period homestead/farm, ca. 1950s
CA-LAN-1969H **	Historic period homestead, cement block house, ca. 1908-1950
CA-LAN-1995H	Historic-period road and trash scatter
CA-LAN-1996H	Historic-period trash dump, ca. 1920s
CA-LAN-2013H	Historic-period trash dump, ca. 1910-1920
CA-LAN-2014H	Well and concrete pump mount
CA-LAN-2015H	Historic-period trash dump, ca. 1900-1920
CA-LAN-2016H	Possible homestead, no structure, ca. 1900-1920
CA-LAN-2030H	Historic-period trash dump, ca. 1900-1960s
CA-LAN-2031H	Historic-period trash dump, ca. 1900-1960s
CA-LAN-2032	Prehistoric lithic scatter
CA-LAN-2033	Prehistoric lithic scatter

CA-LAN-2039H	Possible homestead, no structure, ca. 1900-1920
CA-LAN-2066H	Historic-period homestead, ruins, ca. 1911
CA-LAN-2082H	Demolished "Mountain Springs Land and Cattle Company," ca. 1922
CA-LAN-2083	Prehistoric camp site, lithic scatter
CA-LAN-2084	Prehistoric lithic scatter
CA-LAN-2085H	Sun-altered amethyst glass
CA-LAN-2099	Prehistoric camp site, 100+ stone flakes, cores, manos, metates
CA-LAN-2166H	Historic-period trash dump, ca. 1920s-1930s
CA-LAN-2169H	Historic-period homestead
CA-LAN-2170H	Two historic-period wells
CA-LAN-2171H	Historic-period residential buildings, ca. pre-1900
CA-LAN-2178H **	Case 84 Sled Test Track, EAFB
CA-LAN-2180H **	Historic-period homestead ruins, ca. 1933
CA-LAN-2181H	Historic-period well
CA-LAN-2183H	Historic-period homestead ruins, ca. 1910-1940s
CA-LAN-2184H	Historic-period homestead
CA-LAN-2185	Twenty pieces of fire-affected rock
CA-LAN-2199H	Historic-period trash dump, ca. 1907-1915
CA-LAN-2209H	Historic-period well and concrete footings, ca. 1900-1930s
CA-LAN-2215H	Historic-period business and residential, possible location of "Old Lancaster," ca. 1870
CA-LAN-2243H **	Historic-period military trash dump, ca. 1945
CA-LAN-2244H **	Historic-period trash dump, ca. 1917
CA-LAN-2255 **	Prehistoric lithic scatter
CA-LAN-2259	Prehistoric camp, 30+ stone flakes, groundstone, fire-affected rock
CA-LAN-2260H **	Historic-period homestead, adobe
CA-LAN-2269H **	Historic-period well
CA-LAN-2270H **	Historic-period trash dump, ca. 1917-1930
CA-LAN-2271 **	Prehistoric lithic scatter
CA-LAN-2272H **	Historic-period trash dump, ca. 1917-1960
CA-LAN-2273	Prehistoric lithic scatter
CA-LAN-2274H **	Historic-period trash dump, ca. 1900-1940
CA-LAN-2275	Prehistoric lithic scatter
CA-LAN-2276	Prehistoric lithic scatter
CA-LAN-2277	Prehistoric lithic scatter
CA-LAN-2278H	Historic-period trash dump, ca. 1900-1930s
CA-LAN-2279	Prehistoric lithic scatter
CA-LAN-2280H	Historic-period trash dump, ca. 1900-1960s
CA-LAN-2281	Prehistoric lithic scatter
CA-LAN-2282H	Historic-period trash dump, ca. 1917-1930
CA-LAN-2283H	Historic-period trash dump, ca. 1880s-1930
CA-LAN-2284	Prehistoric lithic scatter
CA-LAN-2285	Prehistoric lithic scatter
CA-LAN-2286	Prehistoric lithic scatter
CA-LAN-2287	Prehistoric lithic scatter
CA-LAN-2288	Prehistoric lithic scatter
CA-LAN-2289	Prehistoric camp site, large lithic scatter, burned bone
CA-LAN-2290H	Historic-period trash dump, ca. 1908-1920

CA-LAN-2291	Prehistoric lithic scatter
CA-LAN-2292	Prehistoric lithic scatter
CA-LAN-2293H	Historic-period trash dump, ca. 1917-1950s
CA-LAN-2294H	Historic-period trash dump, ca. 1915-1930s
CA-LAN-2295	Prehistoric lithic scatter, faunal remains
CA-LAN-2296H	Historic-period trash dump, ca. 1920-1930
CA-LAN-2297H	Historic-period trash dump, ca. 1910-1950
CA-LAN-2298H	Historic-period trash dump, ca. 1917-1960
CA-LAN-2300H	Historic-period trash dump, ca. 1915-1950
CA-LAN-2301	Prehistoric lithic scatter
CA-LAN-2302	Prehistoric campsite, 10 lithic scatter concentrations
CA-LAN-2304H	Historic-period trash dump, ca. 1917-1960
CA-LAN-2352H **	Historic-period holding pond, ca. 1908
CA-LAN-2353 **	Prehistoric lithic scatter
CA-LAN-2354H **	Historic-period trash dump, ca. 1917-1960
CA-LAN-2357H	Historic-period trash dump, ca. 1915-1930s
CA-LAN-2380 **	Prehistoric lithic scatter
CA-LAN-2388 **	Prehistoric camp site, lithic scatter (200+ flakes)
CA-LAN-2390H **	Historic-period trash dump, ca. 1940
CA-LAN-2396H	Historic-period trash dump, ca. early 1900s
CA-LAN-2402H	Historic-period trash scatter, ca. 1905-present
CA-LAN-2420 **	Prehistoric lithic scatter
CA-LAN-2421 **	Prehistoric lithic scatter
CA-LAN-2422 **	Prehistoric lithic scatter, burned animal bone
CA-LAN-2423 **	Prehistoric lithic scatter
CA-LAN-2424H **	Historic-period trash dump, ca. 1909-1950
CA-LAN-2426H **	Historic-period trash dump, ca. 1920-1950
CA-LAN-2427 **	Prehistoric camp, lithic scatter
CA-LAN-2428H **	Historic-period trash dump, ca. 1900-1940
CA-LAN-2429 **	Prehistoric lithic scatter
CA-LAN-2430H**	Historic-period trash dump, ca. 1880-1950
CA-LAN-2431H **	Historic-period trash dump, ca. 1900-1950
CA-LAN-2432 **	Prehistoric lithic scatter
CA-LAN-2433 **	Prehistoric lithic scatter
CA-LAN-2434H **	Historic-period trash dump, ca. 1910-1940
CA-LAN-2435H **	Historic-period trash dump, ca. 1900-1950
CA-LAN-2436H **	Historic-period trash dump, ca. 1880-1950
CA-LAN-2437H **	Historic-period trash dump, ca. 1915-1930
CA-LAN-2438H **	Historic-period trash dump, ca. 1900-1966
CA-LAN-2439H **	Historic-period irrigation pipe
CA-LAN-2440	Prehistoric lithic scatter
CA-LAN-2441	Prehistoric lithic scatter
CA-LAN-2442	Prehistoric campsite, fire-affected rock, groundstone
CA-LAN-2443	Prehistoric lithic scatter
CA-LAN-2444	Prehistoric lithic scatter
CA-LAN-2446	Prehistoric campsite, concentration of burned bone
CA-LAN-2447H	Historic-period trash dump, ca. 1920s-1930s

CA-LAN-2449H	Historic-period trash dump
CA-LAN-2461H	Historic-period archaeological site, former residence
CA-LAN-2471H	Historic-period well and trash dump, ca. 1930s-1940s
CA-LAN-2487H **	Historic-period trash dump
CA-LAN-2488H **	Historic-period trash dump
CA-LAN-2489 **	Prehistoric camp site, two loci, stone flakes, fire-affected rock, groundstone fragments
CA-LAN-2490 **	Prehistoric lithic scatter
CA-LAN-2491H **	Historic-period trash dump
CA-LAN-2492 **	Prehistoric lithic scatter
CA-LAN-2493 **	Prehistoric lithic scatter
CA-LAN-2494 **	Prehistoric lithic scatter
CA-LAN-2495 **	Prehistoric lithic scatter
CA-LAN-2496 **	Prehistoric lithic scatter
CA-LAN-2497 **	Prehistoric lithic scatter
CA-LAN-2498H **	Historic-period trash dump
CA-LAN-2499 **	Prehistoric lithic scatter
CA-LAN-2500H **	Historic-period trash dump
CA-LAN-2501 **	Prehistoric lithic scatter
CA-LAN-2502 **	Prehistoric lithic scatter
CA-LAN-2503 **	Prehistoric lithic scatter
CA-LAN-2504 **	Prehistoric lithic scatter
CA-LAN-2505H **	Historic-period trash dump
CA-LAN-2506 **	Prehistoric campsite, lithic scatter, fire-affected rock
CA-LAN-2507H **	Historic-period trash dump
CA-LAN-2508 **	Prehistoric campsite, lithic scatter, fire-affected rock
CA-LAN-2509H **	Historic-period trash dump, ca. 1930-1939
CA-LAN-2510 **	Prehistoric campsite, lithic scatter, fire-affected rock
CA-LAN-2512H **	Historic-period trash dump
CA-LAN-2513H **	Historic-period trash dump, ca. 1916-1940
CA-LAN-2514 **	Prehistoric lithic scatter
CA-LAN-2515H **	Historic-period trash dump
CA-LAN-2516**	Prehistoric lithic scatter
CA-LAN-2517 **	Prehistoric lithic scatter
CA-LAN-2518 **	Prehistoric lithic scatter
CA-LAN-2519H **	Agricultural berms and a well
CA-LAN-2520H **	Historic-period wells, furrowed fields, trash dump
CA-LAN-2521H **	Portions of two power transmission lines
CA-LAN-2522H **	Historic-period trash dump
CA-LAN-2523 **	Prehistoric lithic scatter
CA-LAN-2524 **	Prehistoric lithic scatter, projectile points
CA-LAN-2525H **	Historic-period trash dump, ca. 1920-1935
CA-LAN-2527 **	Prehistoric campsite, lithic scatter, fire-affected rock
CA-LAN-2528H **	Historic-period trash dump
CA-LAN-2531H **	Historic-period home site, ca. 1922

CA-LAN-2532H **	Historic-period home site, melted adobe wall
CA-LAN-2533	Prehistoric campsite, stone flakes, fire-affected rock, groundstone fragments, animal bone
CA-LAN-2538H	Historic-period trash dump, ca. 1950s
CA-LAN-2539H	Historic-period trash dump, ca. 1910-1950s
CA-LAN-2540H	Historic-period agricultural feature, well, pump, water tank, ca. 1940s
CA-LAN-2550H	Thaddus "Buddy" Thompson
CA-LAN-2624H **	Historic-period trash dump 1880-1914
CA-LAN-2634 **	Prehistoric campsite, lithic scatter, burned mammal bones
CA-LAN-2635 **	Prehistoric lithic scatter
CA-LAN-2636 **	Prehistoric lithic scatter (2,000+ flakes)
CA-LAN-2647H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-2649H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-2650H **	Historic-period trash dump, ca. 1880-1945
CA-LAN-2656H	Historic-period trash dump, ca. 1910-1920
CA-LAN-2661 **	Prehistoric lithic scatter
CA-LAN-2662H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-2663H **	Historic-period trash dump, ca. 1940s
CA-LAN-2664H **	Historic-period trash dump, ca. 1940s
CA-LAN-2739H	Historic-period trash dump and foundation
CA-LAN-2740H	Historic-period trash dump
CA-LAN-2762 **	Prehistoric lithic scatter
CA-LAN-2763 **	Prehistoric lithic scatter
CA-LAN-2764 **	Prehistoric campsite, lithic scatter, shell beads, bone fragments
CA-LAN-2822H	Historic-period trash scatter, ca. 1910-1925
CA-LAN-2823H	Historic-period trash scatter, ca. 1911-1919
CA-LAN-2824H	Historic-period well-drilling station, ca. 1935-1950
CA-LAN-2825H	Historic-period well-head, ca. 1915-1930
CA-LAN-2885H	Historic-period trash dump, ca. 1944-1954
CA-LAN-2887H	Historic-period agricultural site, trash pit, holding ponds, ca. 1885-1910
CA-LAN-2888H	Historic-period trash dump, ca. 1885-1910
CA-LAN-2903H	Sierra highway, ca. 1930s
CA-LAN-2940H **	Historic-period agricultural feature (well and pit), four trash dumps
CA-LAN-2948H **	Historic-period trash dump
CA-LAN-2953H	Demolished homesite and pumphouse, ca. 1905-1915
CA-LAN-2954	Prehistoric campsite, cooking hearth, fire-affected rock, stone projectile point
CA-LAN-2957H	Historic-period trash dump, ca. 1945-1955
CA-LAN-2958H	Historic-period homesite, foundation, ca. pre-1925
CA-LAN-2959H	Historic-period trash dump, ca. 1915-1925
CA-LAN-2973H **	Capped well, ca. 1940s
CA-LAN-2974H **	Historic-period trash dump, ca. 1914-1950
CA-LAN-2975H **	Historic-period trash dump, ca. 1917-1929
CA-LAN-2976H **	Historic-period trash dump, ca. 1917-1929
CA-LAN-2977H **	Historic-period trash dump, ca. 1915-1930
CA-LAN-2979H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-2980H **	Historic-period trash dump, ca. 1903-1920
CA-LAN-2981H **	Historic-period trash dump, ca. 1914-1945

CA-LAN-2982H **	Historic-period trash dump, ca. 1910s
CA-LAN-2983H **	Historic-period trash dump
CA-LAN-2984H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-2985H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-2986H **	Historic-period trash dump, ca. 1910s
CA-LAN-3039H **	Historic-period homesite ruins
CA-LAN-3044H	Historic-period trash dump, ca. 1935-
CA-LAN-3047H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3049H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3050H **	Historic-period trash dump, ca. 1914-1944
CA-LAN-3056H **	Historic-period trash dump, ca. 1890s
CA-LAN-3059H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3060H **	Historic-period trash dump, ca. 1940-1950
CA-LAN-3130H **	Historic-period homesite, holding pen, poultry pen, foundation, ca. 1914-1950
CA-LAN-3143H **	Historic-period trash dump, ca. 1930-1940
CA-LAN-3144H **	Historic-period trash dump, ca. 1940-1950
CA-LAN-3145H **	Historic-period trash dump, ca. 1930-1945
CA-LAN-3146H **	Historic-period trash dump, ca. 1940-1950
CA-LAN-3148H **	Historic-period homesite, well-heads, dike system, duck blinds, ca. 1920-1950
CA-LAN-3257H **	Historic-period trash dump
CA-LAN-3259H **	Historic-period trash dump, ca. 1940-1950
CA-LAN-3260H **	Historic-period trash dump, ca. 1940
CA-LAN-3261H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3262H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3263H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3264H **	Historic-period bridge, ca. 1914-1945
CA-LAN-3265H **	Historic-period trash dump, ca. 1940s-1950s
CA-LAN-3266H **	Historic-period structure, abandoned military targets, ca. 1950s, EAFB
CA-LAN-3270H **	Historic-period trash dump, ca. 1930-1960
CA-LAN-3274H **	Historic-period trash dump, ca. 1930-1960
CA-LAN-3276H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3277 **	Prehistoric campsite, lithic scatter
CA-LAN-3279 **	Prehistoric lithic scatter
CA-LAN-3280H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3281 **	Prehistoric lithic scatter
CA-LAN-3282 **	Prehistoric lithic scatter
CA-LAN-3284H **	Historic-period trash dump, ca. 1940-1950
CA-LAN-3286H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3288H **	Historic-period mining, ca. 1914-1945
CA-LAN-3289H **	Historic-period trash dump, ca. 1940-1950
CA-LAN-3290 **	Prehistoric lithic scatter, combines Sites CA-LAN-2523, -2524, CA-KER-4985, and -4991
CA-LAN-3291H **	Historic-period military speed course markers, ca. 1950s, EAFB
CA-LAN-3309H	Partially demolished homestead, ca. 1920-1964
CA-LAN-3310H	Historic-period poured concrete foundation, ca. 1921
CA-LAN-3311H	Historic-period poured concrete foundation, ca. 1921

CA-LAN-3359H **	Historic-period trash dump, ca. 1960
CA-LAN-3395H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3396H **	Historic-period trash dump, ca. 1940s
CA-LAN-3397H **	Historic-period trash dump, ca. 1914-1945
CA-LAN-3398H **	Historic-period trash dump, ca. 1940s
CA-LAN-3399H **	Historic-period trash dump, ca. 1940s
CA-LAN-3400H **	Historic-period trash dump, ca. 1940s
CA-LAN-3401H **	Historic-period trash dump
CA-LAN-3402H **	Historic-period trash dump, ca. 1940s-1950s
CA-LAN-3404 **	Prehistoric lithic scatter
CA-LAN-3405 **	Prehistoric campsite, lithic scatter, projectile points, groundstone, shell ornaments
CA-LAN-3406 **	Large prehistoric campsite, lithic scatter, projectile points, groundstone
CA-LAN-3409 **	Prehistoric campsite, lithic scatter, burned bone
CA-LAN-3410 **	Prehistoric campsite burned faunal, fire affected rock
CA-LAN-3411H **	Historic-period trash dump, farm debris, ca. 1940-1950
CA-LAN-3412H **	Historic-period trash dump, ca. 1940-1950
CA-LAN-3414H **	Historic-period trash dump, ca. 1940-1950s
CA-LAN-3415H **	Historic-period trash dump, ca. 1950s
CA-LAN-3472	Prehistoric lithic scatter
CA-LAN-3477H	Antelope substation, Lancaster, ca. 1952
CA-LAN-3479H	Historic-period trash dump, ca. 1950
CA-LAN-3482	Prehistoric campsite, lithic scatter, groundstone, projectile points
CA-LAN-3483	Prehistoric lithic scatter, lithic tools, groundstone
CA-LAN-3484	Prehistoric lithic scatter
CA-LAN-3488H **	Historic-period homesite ruins, ca. 1930-1940
CA-LAN-3515H **	Historic-period trash dump, ca. 1914
CA-LAN-3546H **	Historic-period road segment, ca. 1910
CA-LAN-3547H **	Historic-period road segment, ca. 1891
CA-LAN-3548H **	Historic-period road, ca. 1917
CA-LAN-4313H **	Historic-period trash dump
19-100013	Stone flake
19-100015	Stone core
19-100016	Stone flake
19-100072 **	Solder-dot can
19-100077 **	White chert flake
19-100078 **	White chert flake
19-100081 **	Two stone flakes
19-100082 **	Two black obsidian flakes
19-100153 **	Nine schist fragments
19-100154 **	Brown chert flakes
19-100155 **	Sun-altered amethyst glass bottle base, ca. 1880-1920
19-100156 **	Stone flake
19-100157 **	One piece fire-affected rock
19-100158 **	Brown chert flake
19-100159 **	One piece fire-affected rock
19-100161 **	Gray chert core

19-100162 **	Lavender rhyolite flake
19-100163 **	Tan chert flake
19-100164 **	Brown/black chert flake
19-100165 **	Chert flake
19-100166 **	Brown rhyolite flake
19-100167 **	Polished sandstone slab
19-100169 **	White chert flake
19-100170 **	Sun-altered amethyst glass bottle neck, ca. 1880-1920
19-100171 **	Red, white, yellow jasper flake
19-100172 **	Hole-in-cap can, ca. 1920-1930
19-100173 **	Black chert flake
19-100174 **	Key-opened meat can
19-100175 **	Tan chert flake
19-100176 **	Lavender rhyolite flake
19-100177 **	Two stone flakes
19-100178 **	Obsidian flake
19-100179 **	White chert flake
19-100180 **	Two white chert flakes
19-100181 **	Multi-directional core
19-100182 **	Quartz flake
19-100183 **	Brown rhyolite flake
19-100184 **	Brown and gray chert flake
19-100185 **	Obsidian flake
19-100191 **	White chert flake
19-100193	Mano fragment
19-100226 **	Stone flake
19-100241 **	Brown chert flake
19-100242 **	Metate fragment
19-100243 **	Mano fragment
19-100244 **	Stone flake
19-100245 **	Two groundstone fragments
19-100246 **	Groundstone fragment
19-100248 **	White chert flake
19-100272 **	Two chert flakes
19-100274 **	White chert flake
19-100275 **	Black chert flake
19-100285 **	Chert flake
19-100286 **	Black obsidian point tip
19-100287 **	Groundstone fragment
19-100288 **	Chert flake
19-100290 **	Obsidian flake
19-100291 **	Stone flake
19-100315	Metate fragment
19-100316	Two stone flakes
19-100318	Three pieces of sun-altered amethyst glass

19-100320	Metate
19-100321 **	Stone flake
19-100323 **	Stone flake
19-100324 **	Stone flake
19-100372	Stone flake
19-100373	Stone scraper
19-100374	Stone flake
19-100375	Milk can
19-100383 **	One piece of schist and one stone flake
19-100384 **	Stone flake
19-100385 **	Mano fragment
19-100386 **	Two fire-affected rocks
19-100387 **	Two fire-affected rocks and one stone flake
19-100388 **	Stone flake
19-100389H **	Historic-period trash, ca. 1940s-1950s
19-100390 **	Six chert flakes
19-100391 **	Six stone flakes
19-100395	Stone projectile point
19-100400	Andesite chopper
19-100408	Flaked stone tool
19-100409	Stone flake
19-100410	Stone flake
19-100411	Five gallon bucket made from a rectangular can
19-100412	Five gallon bucket made from a rectangular can
19-100419	Stone flake
19-100423 **	Stone flake
19-100435	Hand-made metal box
19-100467 **	Chalcedony flake
19-100469 **	Brown chert flake
19-100470 **	White chalcedony flake
19-100472 **	White chalcedony flake
19-100473 **	Rhyolite flake
19-100474 **	Toy wagon wheel
19-100475 **	1954 penny
19-100483 **	Dart-point base
19-100498	Mano fragment
19-100499	Stone flake
19-100500	Sun-altered amethyst glass fragment
19-100501	Two steel eyelets
19-100520 **	Sun-altered amethyst glass bottle fragment
19-100521 **	Stone flake
19-100522 **	Stone flake
19-100523 **	Stone flake
19-100527 **	Clear glass pharmaceutical bottle, Duraglas, ca. 1940s
19-100528 **	Mano
19-100529 **	White/gray chert flake
19-100530 **	Two rusted tin cans, knife-opened

19-100532 **	White chert flake
19-100533 **	Purple rhyolite flake
19-100534 **	Two sun-altered amethyst glass fragments
19-100535 **	Obsidian flake
19-100543	Stone core
19-100544	Stone flake
19-100545	Multi-use flaked stone tool, scraper/drill
19-100546	Hammerstone
19-100547	Stone core
19-100548	Metate fragment
19-100549	Chert core reduction flake
19-100550	White chert flake
19-100551	Chert core reduction flake
19-100552	Stone core
19-100553 **	Obsidian flake tool
19-100555 **	Grayish brown chert core
19-100558 **	"Bireley's" soda bottle
19-100559 **	"Delicious Delaware Punch" syrup bottle
19-100560 **	"Arden Dairy" milk bottle
19-100561 **	Stone core
19-100562 **	White chert core
19-100578 **	Chert Elko side-notched projectile point
19-120029 **	Metal sign, advertising cigarettes
19-120054	Core fragment
19-120056	Stone flake and clam shell
19-120057	Historic-period trash scatter, ca. 1920s
19-120068	Historic-period trash dump, ca. 1920-1925
19-120069	Historic-period trash dump, ca. 1915-1930
19-120070	Historic-period trash dump, ca. 1890-1945
19-120071	Historic-period trash dump, ca. 1900-1920
19-180627	Lancaster Fairgrounds (80 structures), ca. 1938-1953
19-186543	Milky quartz flake
19-186680	Building 150, aircraft production, ca. 1958
19-186683	Building 430, aircraft engine cell, ca. 1987
19-186985	House foundation
19-186986	House foundation

* Information on the exact locations of these sites is kept confidential as a protective measure

** Located on Edwards Air Force Base

generally represent stone reduction sites where prehistoric Native Americans manufactured stone tools, but may also contain artifactual materials related to milling, and other habitation-related activities. These prehistoric sites represent some of the relics from thousands of years of Native American occupation in the planning area before Europeans arrived.

Among the historic-period sites recorded in the planning area are numerous late-19th and early 20th century homesteads, ranches, and townsites; residential and public buildings, foundations, and ruins; irrigation features, wells, and reservoirs; agricultural features; old wagon roads; transmission lines from the early 20th century; the remains of past mining activities; military structures from World War II; aeronautic structures from the post-WWII era; and numerous refuse scatters, all indicative of early settlement and land development activities. Many of these sites are situated in Lancaster's downtown area and its immediate vicinity, while others are spread out across the less urbanized areas to the north, east and west. The majority of these sites, however, are located within the boundaries of EAFB in the northern portion of the planning area.

As can be expected, a number of the recorded buildings in the planning area are concentrated in the downtown area, especially along Lancaster Boulevard that runs through the heart of downtown Lancaster. The construction dates of these properties range from the late 1800s to the early and mid-1900s.

A total of 138 additional historic-period buildings have been recorded within the planning area over the years by CRM TECH that apparently have not yet been processed by the SCCIC (Love and Tang 2002; Tang and Hogan 2003; Tang et al. 2004, 2005). Table 2 below lists the addresses of all 138 buildings. All of these buildings have been evaluated, and only two, the Carter Ranch house at 45635 North Sierra Highway, and the Rowell adobe home at 45007 North Elm Avenue, were determined eligible for listing in the National Register of Historic Places or in the California Register of Historical Resources.

45020 N. Elm Avenue	359 W. Avenue I
45026 N. Elm Avenue	365 W. Avenue I
45032 N. Elm Avenue	400 W. Avenue I
45038 N. Elm Avenue	403 W. Avenue I
45050 N. Elm Avenue	420 W. Avenue I
45056 N. Elm Avenue	421 W. Avenue I
45108 N. Elm Avenue	619/625 W. Avenue I
45110-45114 N. Elm Avenue	653-673 W. Avenue I
45120 N. Elm Avenue	723 W. Avenue I
45132 N. Elm Avenue	757 W. Avenue I
45138 N. Elm Avenue	811 W. Avenue I
45144 N. Elm Avenue	44803 Cedar Avenue
45150 N. Elm Avenue	44807(?) Cedar Avenue
45158 N. Elm Avenue	44809 Cedar Avenue
45162 N. Elm Avenue	44815 Cedar Avenue
45168 N. Elm Avenue	44821 Cedar Avenue
45002-45056 N. Fig Avenue	713 W. Milling Street
45017-45037 N. Fig Avenue	703 W. Milling Street
528 W. Avenue I	709 W. Milling Street

650 W. Avenue I	719 W. Milling Street
666 W. Avenue I	44802 Fig Avenue
520 W. Ivesbrook Street	723 W. Milling Street
530 W. Ivesbrook Street	45001 N. Beech Avenue
544 W. Jackman Street	45015 N. Beech Avenue
556 W. Jackman Street	45027-45029 N. Beech Avenue
557 W. Jackman Street	45046-45056 N. Beech Avenue
561 W. Jackman Street	45051-45053 N. Beech Avenue
613 W. Jackman Street	45103 N. Beech Avenue
665 W. Jackman Street	45107 N. Beech Avenue
657-659 W. Kettering Street	45108 N. Beech Avenue
716-726 W. Kettering Street	45114 N. Beech Avenue
45057 N. Sierra Highway	45120-45124 N. Beech Avenue
45117 N. Sierra Highway	45128 N. Beech Avenue
45159 N. Sierra Highway	45135 N. Beech Avenue
45243 Beech Avenue	45141 N. Beech Avenue
45502 Beech Avenue	45157 N. Beech Avenue
45135 Division Street	45002 N. Cedar Avenue
45339 Division Street	45006-45008 N. Cedar Avenue
45403 Division Street	45007 N. Cedar Avenue
106 E. Avenue I	45101 N. Cedar Avenue
132 E. Avenue I	45109 N. Cedar Avenue
316 E. Avenue I	45115 N. Cedar Avenue
326 E. Avenue I	45118 N. Cedar Avenue
830-836 E. Avenue I	45124 N. Cedar Avenue
45134/136 Redwood Avenue	45127 N. Cedar Avenue
45135 Redwood Avenue	45128 N. Cedar Avenue
45219 Sierra Highway	45134 N. Cedar Avenue
45219 Sierra Highway (rear)	45138 N. Cedar Avenue
45231 Sierra Highway	45142-45144 N. Cedar Avenue
45301-311 Sierra Highway	45145 N. Cedar Avenue
45317 Sierra Highway	45148 N. Cedar Avenue
45318 Sierra Highway	45157 N. Cedar Avenue
45411 Sierra Highway	45002 N. Date Avenue
45417 Sierra Highway	45032 N. Date Avenue
45463 Sierra Highway	45038 N. Date Avenue
45503 Sierra Highway	45045 N. Date Avenue
45523 Sierra Highway	45047 N. Date Avenue
45541 Sierra Highway	45104 N. Date Avenue
45600 Sierra Highway	45110-45114 N. Date Avenue
45755 Sierra Highway	45126 N. Date Avenue
45756 Sierra Highway	45127-45129 N. Date Avenue
45232 Trevor Avenue	45138 N. Date Avenue
45240 Trevor Avenue	45142 N. Date Avenue
45315 Trevor Avenue	45145 N. Date Avenue

105 W. Avenue I	45148-45150 N. Date Avenue
202 W. Avenue I	45149 N. Date Avenue
307 W. Avenue I	45166 N. Date Avenue
307 ½ W. Avenue I	45002 N. Elm Avenue
331-335 W. Avenue I	45007 N. Elm Avenue

Designated or Eligible Heritage Properties

A total of six sites located in the planning area, all of them buildings, have been previously evaluated and determined eligible for listing on the National Register of Historic Places (NRHP). Five of the buildings are listed on the NRHP, including a veterans clinic at 547 W. Lancaster Boulevard, and four buildings on Cedar Avenue that contribute to a historic district. Another building, the Western Hotel, has been proclaimed a California Historical Landmark. All six of these properties are listed in Table 3, below.

Table 3. Designated or Eligible Heritage Properties in the Planning Area		
Name	Location	Status *
Western Hotel	557 W. Lancaster Boulevard	CHL
Health Center/Veterans Clinic	547 W. Lancaster Boulevard	NRHP-L
Cedar Avenue Buildings	44855 Cedar Avenue	NRHP-L
Jail Building	44855 Cedar Avenue	NRHP-L
Sheriff's Substation	44855 Cedar Avenue	NRHP-L
Memorial Hall	44855 Cedar Avenue	NRHP-L

* Abbreviations: NRHP-L – listed in the National Register of Historic Places; CHL – California Historic Landmark

HISTORICAL RESEARCH

Historic maps consulted for this study reveal that no man-made features were observed in the planning area between 1850-1870 other than a short segment of a wagon road crossing the extreme northwest corner (GLO 1856). Although it was not identified in the maps, this road is undoubtedly one of the wagon roads that connected the Antelope Valley to Los Angeles, the Tejon Pass, Tulare Valley, the Mojave River, and San Bernardino. Prior to the arrival of the Southern Pacific Railroad, these wagon roads were essentially the only notable cultural features present in the planning area.

Later maps and historical literature reveal that early settlement and land development activities occurred in the planning area during the late 19th and early 20th centuries, predominantly in today's downtown area (Gurba 2005; USGS 1917, 1933a). It was there, centered at the intersection of the Southern Pacific Railroad and Lancaster Boulevard, that the town of Lancaster began. A grid of roads was noted in the rest of the planning area, laid out along section lines, and a number of other roads crisscrossed the grid, shortening

the distance between the many homesteads and ranches in the valley. Agriculture, mainly dry-farming of alfalfa, wheat, and barley, was the main economic pursuit for early settlers in the area. The earliest streets in Lancaster were, from north to south, 8th (Avenue I), 9th, 10th (Lancaster Boulevard), 11th, and 12th Streets, and from east to west, Beech, Cedar, Date, Elm, and Fern Avenues (City of Lancaster n.d.). During the first quarter of the 20th century, one major automobile thoroughfare, Antelope Avenue (Sierra Highway/U.S. Route 6/State Route 138), gradually superseded the old wagon roads in the role of linking Lancaster to the outside world.

By the early 1930s, the town of Lancaster had expanded a little further to the north, east, and southwest of its original downtown core (USGS 1933a-c; 1934; 1936). Several very small satellite communities arose in the planning area by the 1930s, situated around Esperanza School south of Antelope Acres, Rogers School by Little Buttes, Rosamond School, Redman School, Del Sur, Quartz Hill, and a Japanese Church near Avenue D and 80th Street West. These areas formed mostly as small ranching and farming communities.

In 1933, on a dry lakebed nearly six miles to the northeast of downtown, the Muroc Bombing and Gunnery Range, later renamed the Muroc Army Air Field, was established (Edwards Air Force Base n.d.). Military housing was available on the base, but its arrival brought a new development boom that spread to nearby Lancaster and Palmdale, providing for the numerous military and civilian employees that worked on the base. The post-WWII era brought about additional development to the Lancaster area, especially as the Muroc Army Air Field was transformed into the testing center for America's first jet aircraft (*ibid.*). The airfield was renamed Edwards Air Force Base in 1950, and is the location of many major events in aviation history.

The Polaris War Eagle Flight Academy, now used as the Mira Loma Detention Facility, was located at the intersection of West Avenue I and 60th Street West, and is designated as a Historic California Post by the California State Military Museum (California State Military Department n.d.). The academy was in use by 1941 to train British Royal Air Force pilots and in 1942 was switched to train U.S. pilots for the war effort. The facility was closed in 1945 at the end of World War II and apparently remained vacant until 1954, when the Los Angeles County Sheriff's Department and Department of Hospitals opened the Mira Loma Custody Facility at the site for inmates with tuberculosis (*ibid.*). The tuberculosis facility closed in 1979 and has been used for various operations since. Two of the original hangers are still in use, as well as other WWII-era buildings.

During the most recent decades, residential developments and the accompanying commercial districts have turned vacant land to the southwest and southeast of downtown Lancaster into a new population center. In contrast, much of the area to the north of Avenue H, east of 40th Street East, and west of 70th Street West have remained largely rural in character throughout the historic period and into modern times.

ETHNOHISTORICAL RESEARCH

Blackburn and Bean (1978:564) noted two known villages within the Kitanemuk tribal territory that are of potential Native American cultural significance. However, neither one of these two villages is located within or near the planning area. The nearest of these, *Nakwalki-ve*, is located almost 30 miles to the northwest, at the northwestern edge of the Tehachapi Mountains near Tejon Creek. The other, *Hihikeave*, is located even farther to the northwest, in the Sierra Nevada Mountains along Caliente Creek. Sutton (1988:21) identified an Alliklik village near Barrel Springs, several miles to the southeast of the planning area. The village may be *Maviajek*, visited by the Spanish soldier Francisco Palomares and his military expedition in 1808 (Earle 1992:8). All three of these known villages are located well outside the boundaries of the planning area, but their presence nearby suggests the Antelope Valley and the planning area was likely used by Native Americans.

CONSULTATION WITH LOCAL COMMUNITY

Based on information provided by City staff and other community members, neither the City of Lancaster nor any other civic organization currently maintains a list of officially designated or recognized local historical landmarks within the city. The results of the consultation further indicates that at the present time the City has not enacted a local historic preservation ordinance, conducted a citywide historical resources survey, or implemented any other systematic historic preservation program.

David Ledbetter of the City of Lancaster Planning Department stated that the City does not maintain an official register of local historic properties. Ledbetter referred to the 1992 General Plan study that identifies a total of six heritage properties, including the Western Hotel, listed as an existing historical site, and five others as potential historical sites. The latter five include the Home of Judy Garland, the First Bank of Lancaster, the Old Redman Schoolhouse, The Bell Ranch, and the Old Cedar Avenue Elementary School. He also recommended that CRM TECH contact Norma Gurba, local historian, author of the book *Images of America: Lancaster*, and premier authority on the history of Lancaster.

Norma Gurba, curator at the Lancaster Museum and Art Gallery, replied by telephone on September 21, 2006, and stated that the museum did not have a formal list of historic properties in the City of Lancaster, but did discuss a number of historic-period buildings located in the downtown area that may be important heritage properties. These include several buildings located between Jackman Street on the north, Avenue J on the south, Yucca Street on the east, and Fern Street on the west. This area was identified by Gurba as the oldest part of Lancaster. A few of the buildings that were mentioned included the Western Hotel; the bank on the corner of Beech Street and Lancaster Boulevard; the Verella General Store on Yucca Street; some of the first lumber yards on Lumber Street; the general store, Safeway building, and post office on Lancaster Boulevard; the stockyards on Sierra

Highway; the two childhood homes of Judy Garland located on Cedar Street near Newgrove Street; the Cedar Avenue School auditorium; an adobe house on Jackman Street near Beech Street; a circa-1904 residence on the northwest corner of Newgrove Street and Fern Avenue; a circa-1890s residence near the intersection of Avenue J and 10th Street West; a brick building on Sierra Highway near Newgrove Street that was occupied by the Antelope Valley Gazette; an old cemetery on East Lancaster Boulevard near Division Street; and a quanset hut near the intersection of Sierra Highway and Avenue I that was a dance studio where Judy Garland danced.

FIELD RECONNAISSANCE

The purposes of the field reconnaissance, as stated above, were to examine the current conditions of selected cultural resources that had been previously identified and to acquire a first-hand impression of the sensitivity of various portions of the planning area for cultural resources that are yet to be identified. The observations during the reconnaissance, by and large, confirmed the preliminary sensitivity assessment extrapolated from the other avenues of research discussed above.

During the field reconnaissance, it was noted that the northeastern portion of the planning area around the EAFB boundaries, and much of the eastern portion of the planning area still retain much of the natural desert landscape that supports abundant wildlife, especially jackrabbits and hares, a few mesquite thickets, scattered Joshua trees, and evidence of small "salt pans" that formed when water puddled there during periodic rains. The Little Rock Wash is the largest drainage in the planning area and would have carried water, in the form of periodic rainfall and snowmelt, through the eastern portion of the planning area from higher elevations to the south. These areas, with seasonal water sources and a relative abundance of animal and presumably plant resources to be exploited, would have provided a favorable environment for habitation to prehistoric Native peoples. Because water in most areas of the valley was, in historic times, obtained by the excavation of shallow wells, and by rainfall that was collected in earthen reservoirs, and the soil and weather permitted successful agriculture, the vast majority of the planning area apparently proved suitable for early settlers.

For built-environment features, it was observed that historic-period buildings, especially residences, can be found in most of the urbanized neighborhoods in the planning area, either in relatively concentrated clusters or in isolated occurrences, except in the most recent developments in the southern portion of the planning area. The most notable concentration of early 20th century buildings, both residential and commercial, is found in the downtown area around Lancaster's traditional town center, situated between Jackman Street on the north, Avenue J on the south, Trevor Street on the east, and Genoa Street on the west. There are numerous buildings from the 1940s-1960s also included within this area. Some of the oldest buildings are found on Lancaster Boulevard between Yucca and Date Streets.

Besides many of the already-mentioned historic-period buildings that exist in the downtown area, a number of early and mid-20th century buildings were found scattered throughout the planning area, including several farmhouses west of 60th Street West and east of 60th Street East. There are also a number of historic-period buildings and ruins located in and near the communities of Redman and Roosevelt, in the eastern portion of the planning area. In the more rural sections of the planning area, historic-period buildings were found scattered amongst modern buildings. Most of these buildings tend to be relatively plain and utilitarian in appearance, lacking any particular architectural style or integrity.

An overall assessment of the planning area's sensitivity for cultural resources from both the prehistoric and the historic periods is presented in the section below.

SENSITIVITY ASSESSMENT

In light of the findings from the various avenues of research, this study concludes that the northeastern portion of the planning area, and much of the eastern portion of the planning area appears to be highly sensitive for prehistoric resources. It can be expected that archaeological remains from both prehistoric and historic-period activities might be discovered anywhere in the planning area that has not been disturbed by modern development activities. The core of downtown Lancaster is located at higher elevations nearly seven miles to the southwest of Rosamond Dry Lake, a vast, dry, saltpan that would have provided periodic, seasonal fresh water to prehistoric inhabitants. While very few prehistoric archaeological deposits have been found on the dry desert floor in the southern portion of the planning area during recent surveys, it is likely that studies to the northeast of Lancaster's downtown will encounter a higher frequency of prehistoric deposits as they move closer towards Rosamond Dry Lake. The Little Rock Wash may have also provided a seasonal source of water for early inhabitants, and therefore, the banks near the drainage are highly sensitive for archaeological resources. Meanwhile, the rest of the southern portion of the planning area is considered to be relatively low in sensitivity for prehistoric archaeological resources (Figs. 3a-b).

Historic-period archaeological deposits can be expected wherever early settlements occurred. The downtown Lancaster area is highly sensitive for the presence of unknown subsurface historic-period archaeological deposits dating to the city's early history (Figs. 3a-b). In addition, archaeological remains from the historic period have been found in the past scattered over the surface of the valley floor, and may occur virtually anywhere in the planning area.

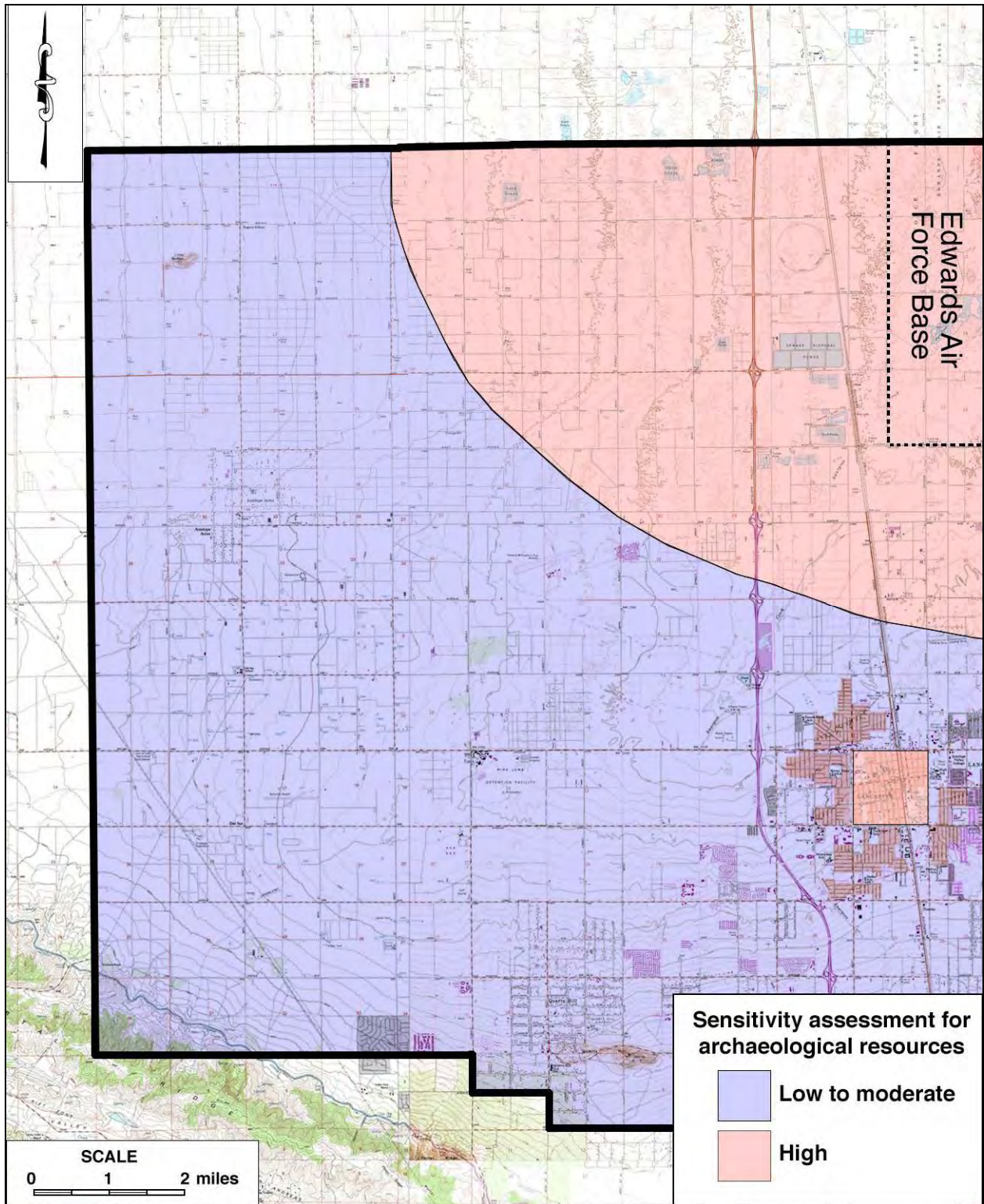


Figure 3a. Sensitivity assessment for archaeological resources, western portion of the planning area.

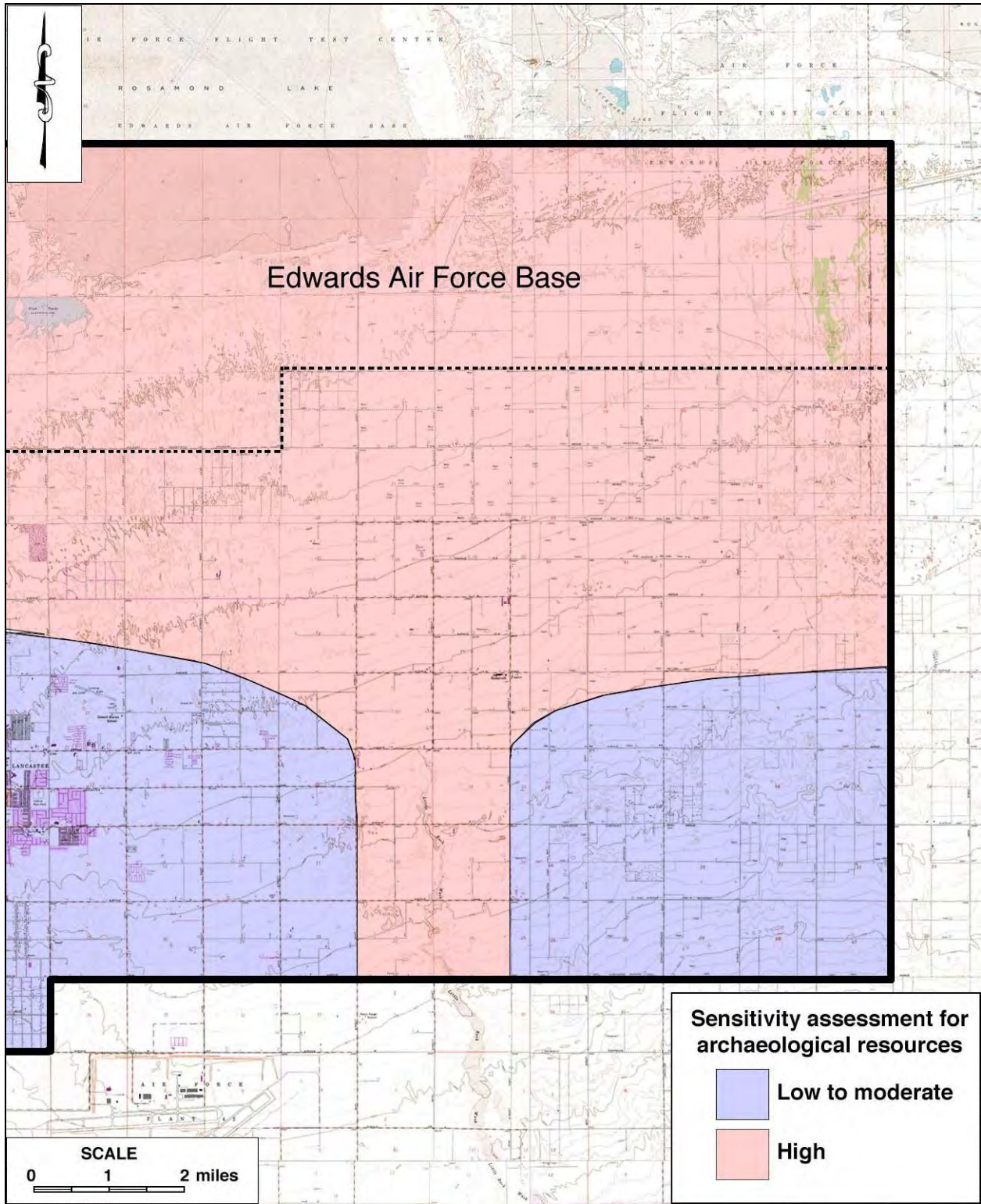


Figure 3b. Sensitivity assessment for archaeological resources, eastern portion of the planning area.

For historic-period buildings and other features of built environment, the downtown area bounded by Jackman Street on the north, Avenue J on the south, Trevor Street on the east, and Genoa Street on the west showcase the densest concentration of early 20th century residential and commercial buildings (Figs. 4a-b). The neighborhoods between Avenue H, Avenue K, 20th Street West, and 10 Street East (Challenger Way) feature a relatively high percentage of mixed-vintage residences from the early and mid-20th century, including some buildings that are now approaching the age threshold to be considered potentially historic (Figs. 4a-b). In addition, a number of buildings in the communities of Redman and Roosevelt, as well as those associated with the Polaris War Eagle Flight Academy (now the Mira Loma Detention Facility) appear to be over, or approaching the age threshold, and these three areas should be considered historically sensitive (Figs. 4a-b). Sporadic historic-period buildings can be found throughout much of the planning area, with the exception of where recent large subdivisions have been developed.

MANAGEMENT CONSIDERATIONS

EXISTING HISTORIC PRESERVATION PROGRAMS

Federal Programs Available to the City

The National Historic Preservation Act (NHPA) of 1966, as amended, mandates that all federal agencies assume responsibility for the preservation of historic properties owned or controlled by the U.S. government. Section 106 of NHPA requires federal agencies to take into account the effect of an undertaking on any historic properties prior to approval of the undertaking. When delegated the responsibility for Section 106 compliance, such as in some programs funded by the U.S. Department of Housing and Urban Development (HUD), a local government agency may also take the lead in the enforcement of NHPA.

In the Section 106 process, many federal agencies recognize an enhanced role for Certified Local Governments (CLG). The CLG program, a joint federal-state initiative administered by the National Park Service and the State Historic Preservation Officers (SHPO) of each state, provides technical assistance and small grants for historic preservation purposes to local governments that meet certain requirements. In California, CLGs are encouraged by the State Office of Historic Preservation (OHP) to play an active role in the Section 106 process within its jurisdiction. In practice, a CLG can benefit from historic preservation expertise, professional and technical assistance, information exchange, and statewide preservation programs coordinated by the OHP and, last but not least, special grants from the SHPO.

In conjunction with NHPA, the Secretary of the Interior maintains the National Register of Historic Places, a nation-wide inventory of districts, sites, buildings, structures, objects, or other features of national, state, or local historical significance. According to statutory

definition, any property listed in or determined to be eligible for listing in the National Register constitutes a "historic property." Currently, there are five National Register-listed resources located within the City of Lancaster's planning area (see Table 2).

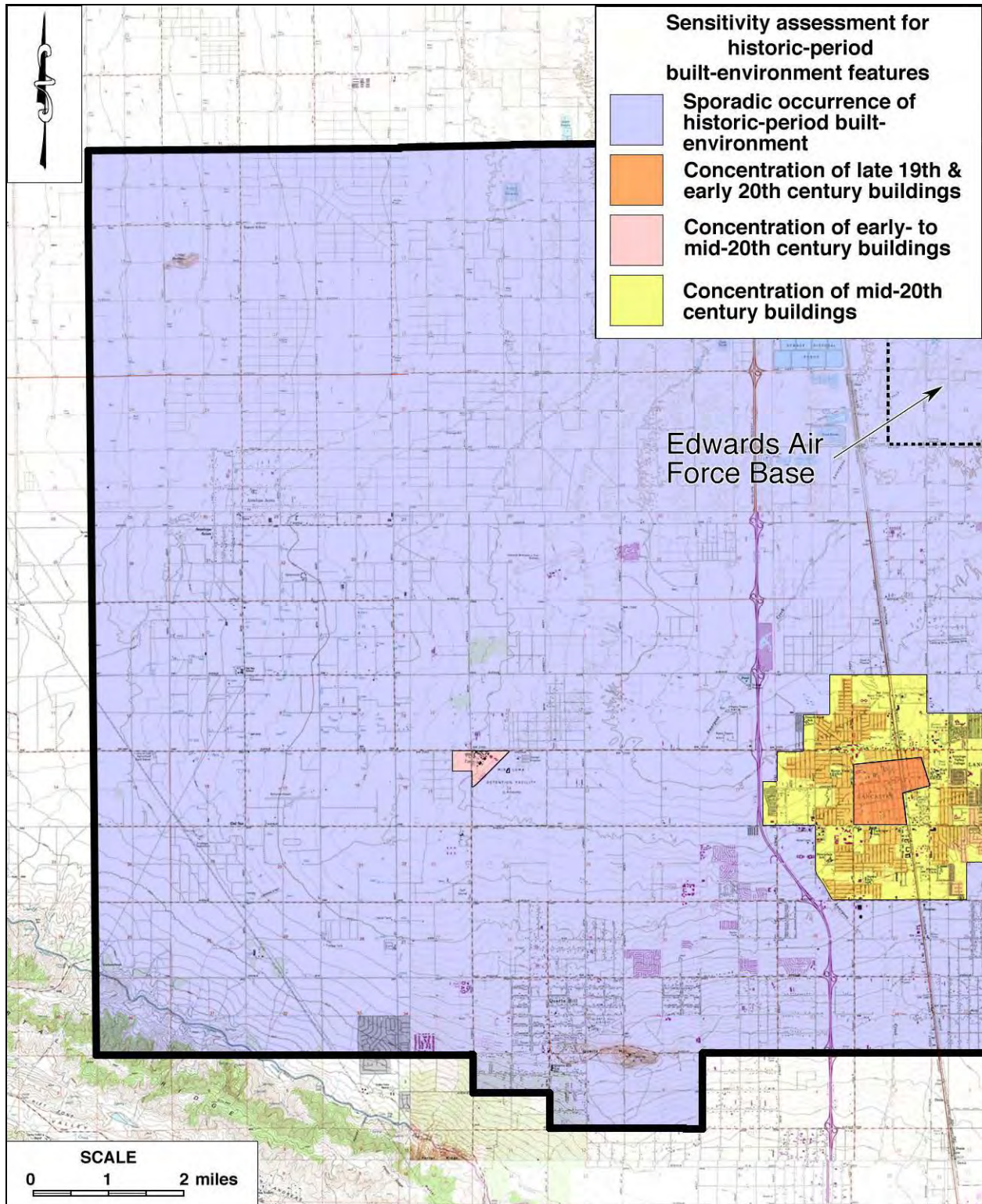


Figure 4a. Sensitivity assessment for historic-period buildings and other built-environment features, western portion of the planning area.

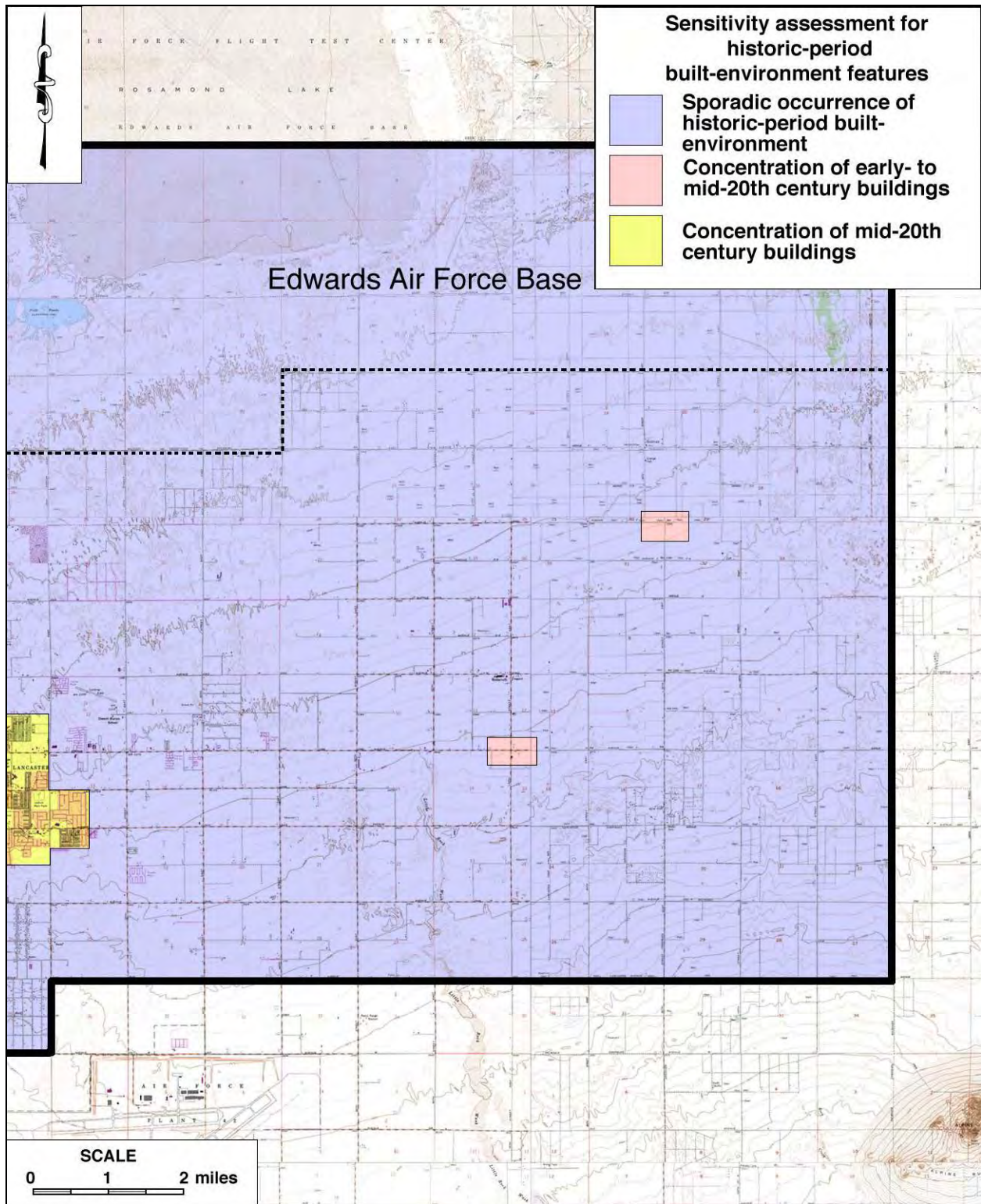


Figure 4b. Sensitivity assessment for historic-period buildings and other features of built environment, eastern portion of the planning area.

In addition to NHPA, a number of other federal statutes also provide for programs aimed at the preservation of important cultural resources, including investment tax credits on certified rehabilitation of historic buildings, the Community Development Block Grant Program, and the historic building preservation program created by the Transportation Equity Act of 1998.

State Programs Available to the City

The California Register of Historical Resources, established in 1992, is the State of California's counterpart to the National Register of Historic Places. Its listings include all properties listed in or officially determined eligible for listing in the National Register. Together with the California Register, the Office of Historic Preservation (OHP) maintains two other registers to promote historic preservation in the state: California Historical Landmarks, a designation for properties of statewide historic importance, and Points of Historical Interest, for properties of countywide or regional importance. At present, there is one site located within the planning area, the Western Hotel, that is listed as a California Historical Landmark (see Table 2).

Properties included in any of these registers are eligible for a number of state historic preservation incentives, such as property tax reduction, benefits provided by the California Heritage Fund, alternative building regulations under the State Historic Building Code, special historic preservation bond measures, and seismic retrofit tax credits.

REGULATORY GUIDELINES ON CULTURAL RESOURCES MANAGEMENT

As mentioned above, Section 106 of the National Historic Preservation Act mandates that federal agencies or HUD-designated local agencies with jurisdiction over federal or federally assisted undertakings take into account the effect of the undertakings on any "historic properties" during the planning process (16 USC 470f). For projects with no federal involvement, the California Environmental Quality Act (CEQA) similarly requires lead agencies to take the necessary action to prevent substantial adverse changes to "historical resources" (PRC §21084.1). Although termed differently in NHPA and CEQA, "historic properties" and "historical resources" both refer to a special class of cultural resources that meet the definitions set forth in the statutes and their implementation regulations.

The term "cultural resource" refers to any physical evidence of human activities that possesses potential historical, archaeological, or traditional cultural value. Among the examples that are most frequently noted as cultural resources are buildings, structures, historic districts, archaeological sites, and such objects as statues and street fixtures. In recent years, cultural resources also began to include non-traditional property types, including historical landscapes and natural features that have acquired cultural

significance in history. In order to be considered potentially significant, cultural resources usually need to meet a certain age criterion. In the State of California, the age threshold is generally set at 50 years from the present time.

"Historic properties," as defined by the Advisory Council on Historic Preservation, include "prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places maintained by the Secretary of the Interior" (36 CFR 800.16(l)). The eligibility for inclusion in the National Register is determined by applying the following criteria:

The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association and

- (a) that are associated with events that have made a significant contribution to the broad patterns of our history; or
- (b) that are associated with the lives of persons significant in our past; or
- (c) that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- (d) that have yielded, or may be likely to yield, information important in prehistory or history. (36 CFR 63)

"Historical resources," according to PRC §5020.1(j), "includes, but is not limited to, any object, building, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California." More specifically, CEQA guidelines state that the term "historical resources" applies to any such resources listed in or determined to be eligible for listing in the California Register of Historical Resources, included in a local register of historical resources, or determined to be historically significant by the Lead Agency (Title 14 CCR §15064.5(a)(1)-(3)).

Regarding the proper criteria of historical significance, CEQA guidelines mandate that "a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing on the California Register of Historical Resources" (Title 14 CCR §15064.5(a)(3)). A resource may be listed in the California Register if it meets any of the following criteria:

- (1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
- (2) Is associated with the lives of persons important in our past.

- (3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
- (4) Has yielded, or may be likely to yield, information important in prehistory or history. (PRC §5024.1(c))

A local register of historical resources, as defined by PRC §5020.1(k), "means a list of properties officially designated or recognized as historically significant by a local government pursuant to a local ordinance or resolution." As mentioned above, the City of Lancaster does not maintain a list of designated historic sites at the present time. However, if a list of designated historic sites located within the city limits is or becomes officially endorsed by the City of Lancaster, as a matter of policy, the sites or buildings on the list would be "presumed to be historically or culturally significant . . . unless the preponderance of the evidence demonstrates [otherwise]" (PRC §21084.1).

In summary, any property that meets one or more of the criteria for listing in the National Register or the California Register, or that is officially designated a historical resource by a local government agency, falls under the protection of NHPA and/or CEQA. Depending on the nature, significance, integrity, and current condition of the property, the proper form of protection may range from on-site preservation to project effect mitigation, such as in-depth documentation for historic buildings and data recovery excavation for archaeological sites.

RECOMMENDATIONS

The key to successful cultural resource management is the identification and evaluation of resources early in the planning process for any project or program. The results of this study indicate that more than 700 archaeological sites, isolates, and historic-period buildings have been previously recorded in the planning area. As development increases, and as more of the planning area is surveyed systematically for cultural resources, it is expected that additional resources will be identified.

Lancaster's lack of 19th or early 20th century palatial mansions and spectacular showcases of historic architecture in relation to some of the larger, older cities in the United States does not mean that there is a lack of historical resources to be preserved. Contrary to popular views that dominated the study of community history in bygone years, the understanding and preservation of "total history," including representations of the lifeways of the less influential and less affluent, are at least as important as saving a great architectural landmark or the home of a great man.

The presence of a historic building/structure or an archaeological site on a piece of property, contrary to widespread misunderstanding, does not necessarily mean that the

property has become "untouchable." When cultural resources are properly identified, accurately plotted, and carefully evaluated against established significance criteria, that information can be incorporated into development plans in a way that benefits both the developer and the preservationist. Even in cases where the preservation of the property proves infeasible, significant qualities about the property can and often are salvaged through mitigation measures despite the physical loss of the property.

In order to bring about early detection and evaluation of cultural resources, CRM TECH recommends that the City of Lancaster incorporate the following procedures into the planning process:

- Establish a transmittal system with the South Central Coastal Information Center at California State University, Fullerton. When a project is in its initial phase, the City may send a location map to the SCCIC for a transmittal-level records search. The transmittal identifies the presence or absence of known cultural resources and/or previously performed studies in and near the project area. The SCCIC also offers recommendations regarding the need for additional studies, if warranted.
- Adopt a City policy to make or require every reasonable effort to identify and document cultural resources that may be affected by proposed development projects and other landscape-altering activities. In most cases, such effort entails intensive-level cultural resources surveys, commonly known as "Phase I studies," by qualified archaeologists, historians, and/or architectural historians, especially in areas of high sensitivity for cultural resources, as outlined in Figures 3a-b and 4a-b. The scope of such a survey should include, as appropriate, in-depth records search at the SCCIC, historic background research, intensive-level field survey, consultation with local historians and historical societies, and consultation with the appropriate Native American representatives and tribal organizations.
- Contact the Native American Heritage Commission (NAHC) in Sacramento to procure a list of designated local Native American representatives and tribal organizations, and pursue further, government-to-government consultation with the local tribal representatives or groups in order to comply with SB 18 mandate. The specific steps necessary to complete the consultation process, as outlined in SB 18 guidelines (OPR 2005:10-11), are summarized below:
 1. Begin formal consultation with the tribes by providing documents and other forms of information requested by the tribes and hold in-person meetings with each individual tribe, if requested by the tribe, throughout the duration of the general plan process, including deliberation of the plan proposal through the planning commission and/or the city council.
 2. At least 45 days prior to adopting or substantially amending the general plan, refer the proposed actions to the tribes and open a 45-day comment period

before approval by the city council. Provide notice of hearing to the tribes and any other persons who have requested such notice 10 days prior to public hearings. Hold public hearings of board of supervisors/city council to take final action on general plan.

3. The consultation process will be considered concluded at the point when:
 - a. the parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
 - b. either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning appropriate measures of preservation or mitigation (OPR 2005:18).

In addition to the recommendations above, the City may also find it beneficial to take the following steps towards formulating a comprehensive historic preservation program:

- Conduct a citywide cultural resources survey to inventory all cultural resources within the planning area.
- On the basis of the citywide survey, maintain and expand as necessary a historical resources inventory to provide an up-to-date register of known cultural resources.
- Enact a historic preservation ordinance and/or prepare a historic preservation plan to outline the goals and objectives of the City's historic preservation programs and present an official historic context statement for the evaluation of cultural resources within the City's jurisdiction.
- Participate in the Certified Local Government program administered by the National Park Service and the State Historic Preservation Officer.
- Encourage property owners and other citizens to nominate qualified properties to the city's inventory system and/or any federal or state registers.
- Provide citizens with all incentives, assistance, and opportunities for historic preservation that are available through various federal, state, or city programs.
- Implement a systematic program to advance public awareness of the city's heritage, generate broad support for its preservation, and enhance community pride in the city.

REFERENCES

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[Http://www.militarymuseum.org/wareaglefield.html](http://www.militarymuseum.org/wareaglefield.html)
- City of Lancaster
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- Kroeber, Alfred L.
1925 *Handbook of the Indians of California*. Bureau of American Ethnology Bulletin 78. Government Printing Office, Washington, D.C.
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2002 Historical/Achaeological Resources Survey Report: APNs 3133-280-22 and 3133-280-23, 45007 North Elm Street, City of Lancaster, Los Angeles County, California. On file, South Central Coastal Information Center, California State University, Fullerton.

OPR (Governor's Office of Planning and Research, State of California)
2005 Tribal Consultation Guidelines: Supplement to General Plan Guidelines.
Governor's Office of Planning and Research, Sacramento.

Sutton, Mark Q.

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

Tang, Bai, and Michael Hogan

2003 Historical Resources Survey Report: North Downtown Neighborhood Vision Plan, City of Lancaster, Los Angeles County, California. On file, South Central Coastal Information Center, California State University, Fullerton.

Tang, Bai, Michael Hogan, and Casey Tibbet

2004 Historic-Period Building Survey: Northeast Gateway Corridors Plan EIR, City of Lancaster, Los Angeles County, California. On file, South Central Coastal Information Center, California State University, Fullerton.

2005 Historic-Period Building Survey: Lancaster Park and Ride Redevelopment Project, CCR No. 558, City of Lancaster, Los Angeles County, California. On file, South Central Coastal Information Center, California State University, Fullerton.

USGS (United States Geological Survey, U.S. Department of the Interior)

1917 Map: Elizabeth Lake, Calif. (30', 1:125,000); surveyed in 1915.

1933a Map: Lancaster, Calif. (7.5', 1:24,000); surveyed in 1929-1930.

1933b Map: Casa Desierta, Calif. (7.5', 1:24,000); surveyed in 1930.

1933c Map: Roosevelt School, Calif. (7.5', 1:24,000); surveyed in 1930.

1934 Map: Esperanza School, Calif. (7.5', 1:24,000); surveyed in 1931.

1936 Map: Del Sur, Calif. (7.5', 1:24,000); surveyed in 1931.

1969 Map: San Bernardino, Calif. (1:250,000); 1958 edition revised.

1973a Map: Rosamond, Calif. (7.5', 1:24,000); aerial photographs taken 1972, field-checked 1973.

1973b Map: Rosamond Lake, Calif. (7.5', 1:24,000); aerial photographs taken 1972, field-checked 1973.

1974a Map: Lancaster East, Calif. (7.5', 1:24,000); 1958 edition photorevised in 1974.

1974b Map: Lancaster West, Calif. (7.5', 1:24,000); 1958 edition photorevised in 1974.

1974c Map: Little Buttes, Calif. (7.5', 1:24,000); 1965 edition photorevised in 1974.

1975 Map: Los Angeles, Calif. (1:250,000); aerial photographs taken in 1972.

1992a Map: Alpine Butte, Calif. (7.5', 1:24,000); 1955 edition revised 1989, field-checked 1991.

1992b Map: Redman, Calif. (7.5', 1:24,000); 1972 edition revised in 1989, field-checked 1991.

1995 Map: Del Sur, CA (7.5', 1:24,000); 1974 edition revised by the USDA Forest Service.

Warren, Claude N.

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Warren, Claude N., and Robert H. Crabtree

1986 Prehistory of the Southwestern Area. In Warren L. D'Azevedo(ed.): *Handbook of North American Indians*, Vol. 11: *Great Basin*; pp. 183-193. Smithsonian Institution, Washington, D.C.

APPENDIX 1:
PERSONNEL QUALIFICATIONS

PRINCIPAL INVESTIGATOR/HISTORIAN
Bai "Tom" Tang, M.A.

Education

- 1988-1993 Graduate Program in Public History/Historic Preservation, UC Riverside.
1987 M.A., American History, Yale University, New Haven, Connecticut.
1982 B.A., History, Northwestern University, Xi'an, China.
- 2000 "Introduction to Section 106 Review," presented by the Advisory Council on Historic Preservation and the University of Nevada, Reno.
1994 "Assessing the Significance of Historic Archaeological Sites," presented by the Historic Preservation Program, University of Nevada, Reno.

Professional Experience

- 2002- Principal Investigator, CRM TECH, Riverside, California.
1993-2002 Project Historian/Architectural Historian, CRM TECH, Riverside, California.
1993-1997 Project Historian, Greenwood and Associates, Pacific Palisades, California.
1991-1993 Project Historian, Archaeological Research Unit, UC Riverside.
1990 Intern Researcher, California State Office of Historic Preservation, Sacramento.
1990-1992 Teaching Assistant, History of Modern World, UC Riverside.
1988-1993 Research Assistant, American Social History, UC Riverside.
1985-1988 Research Assistant, Modern Chinese History, Yale University.
1985-1986 Teaching Assistant, Modern Chinese History, Yale University.
1982-1985 Lecturer, History, Xi'an Foreign Languages Institute, Xi'an, China.

Honors and Awards

- 1988-1990 University of California Graduate Fellowship, UC Riverside.
1985-1987 Yale University Fellowship, Yale University Graduate School.
1980, 1981 President's Honor List, Northwestern University, Xi'an, China.

Cultural Resources Management Reports

Preliminary Analyses and Recommendations Regarding California's Cultural Resources Inventory System (With Special Reference to Condition 14 of NPS 1990 Program Review Report). California State Office of Historic Preservation working paper, Sacramento, September 1990.

Numerous cultural resources management reports with the Archaeological Research Unit, Greenwood and Associates, and CRM TECH, since October 1991.

Membership

California Preservation Foundation.

PRINCIPAL INVESTIGATOR/ARCHAEOLOGIST Michael Hogan, Ph.D., RPA*

Education

- 1991 Ph.D., Anthropology, University of California, Riverside.
1981 B.S., Anthropology, University of California, Riverside; with honors.
1980-1981 Education Abroad Program, Lima, Peru.
- 2002 Section 106 – National Historic Preservation Act: Federal Law at the Local Level. UCLA Extension Course #888.
2002 "Recognizing Historic Artifacts," workshop presented by Richard Norwood, Historical Archaeologist.
2002 "Wending Your Way through the Regulatory Maze," symposium presented by the Association of Environmental Professionals.
1992 "Southern California Ceramics Workshop," presented by Jerry Schaefer.
1992 "Historic Artifact Workshop," presented by Anne Duffield-Stoll.

Professional Experience

- 2002- Principal Investigator, CRM TECH, Riverside, California.
1999-2002 Project Archaeologist/Field Director, CRM TECH, Riverside.
1996-1998 Project Director and Ethnographer, Statistical Research, Inc., Redlands.
1992-1998 Assistant Research Anthropologist, University of California, Riverside
1992-1995 Project Director, Archaeological Research Unit, U. C. Riverside.
1993-1994 Adjunct Professor, Riverside Community College, Mt. San Jacinto College, UC Riverside, Chapman University, and San Bernardino Valley College.
1991-1992 Crew Chief, Archaeological Research Unit, U. C. Riverside.
1984-1998 Archaeological Technician, Field Director, and Project Director for various southern California cultural resources management firms.

Research Interests

Cultural Resource Management, Southern Californian Archaeology, Settlement and Exchange Patterns, Specialization and Stratification, Culture Change, Native American Culture, Cultural Diversity.

Cultural Resources Management Reports

Author and co-author of, contributor to, and principal investigator for numerous cultural resources management study reports since 1986.

Memberships

* Register of Professional Archaeologists.
Society for American Archaeology.
Society for California Archaeology.
Pacific Coast Archaeological Society.
Coachella Valley Archaeological Society.

PROJECT ARCHAEOLOGIST/REPORT WRITER

Josh Smallwood, B.A.

Education

1998 B.A., Anthropology, Humboldt State University, Arcata, California.
1997 Archaeological Field School, Fort Ross Historic District, Fort Ross, California.
Archaeological Field School, Coastal Test and Mitigation Projects, Eureka, California.
1996 Archaeological Field School, Mad River Watershed Surveys, Blue Lake, California.
1994 A.A., Anthropology, Palomar College, San Marcos, California.
1993 Archaeological Field School, San Pasqual Battlefield, San Pasqual, California.
Archaeological Field School, Las Flores Asistència, Camp Pendleton, CA.
1992 Archaeological Field School, Palomar College Campus Late Prehistoric Sites, San Marcos, California.
1994- Extensive study of lithic resource procurement strategies, reduction technology, tool manufacture, and reproduction.
2002 "Historical Archaeology Workshop," presented by Richard Norwood, Base Archaeologist, Edwards Air Force Base.
2001 "CEQA and Section 106 Basics," presented by Richard Carrico, Principal Investigator, Mooney & Associates, San Diego.
"OSHA Safety Training for Construction Monitors," presented by OSHA and City of San Diego.
2000 "HABS/HAER Recording Methods for Historic Structures," presented by Robert Case, Historic Archaeologist, Mooney & Associates, San Diego.
1998 "Unexploded Ordinance Training," presented by EOD officers, Fort Irwin Army Training Facility, Barstow.
1997 "Obsidian Sourcing through Characterization," presented by Thomas Origer, Sonoma State University.

Professional Experience

- 2002- Project Archaeologist/Report Writer, CRM TECH, Riverside, California.
- Archaeological field work, historic-period building surveys, historic archaeologist, marine shell and lithic analysis.
 - Historical background research based on published literature, historical maps, oral interviews, and county archival records.
- 1997-2002 Archaeologist for several environmental consultants, Department of Defense subcontractors, and Humboldt State University/Bureau of Land Management cooperative projects. Report writer, field crew, and crew chief in charge of survey, testing, data recovery, and monitoring projects for large public utility and military projects, marine shell, lithic, and historic-period artifact analysis.

Cultural Resources Management Reports

Co-author of and contributor to numerous CEQA and Section 106 compliance studies since 1997.

PROJECT ARCHAEOLOGIST Daniel Ballester, B.A.

Education

- 1998 B.A., Anthropology, California State University, San Bernardino.
- 1997 Archaeological Field School, University of Las Vegas and University of California, Riverside.
- 1994 University of Puerto Rico, Rio Piedras, Puerto Rico.
- 2002 "Historic Archaeology Workshop," presented by Richard Norwood, Base Archaeologist, Edwards Air Force Base; presented at CRM TECH, Riverside.

Professional Experience

- 2002- Field Director, CRM TECH, Riverside.
- Report writing, site record preparation, and supervisory responsibilities over all aspects of fieldwork and field crew.
- 1999-2002 Project Archaeologist, CRM TECH, Riverside.
- Survey, testing, data recovery, monitoring, and mapping.
- 1998-1999 Field Crew, K.E.A. Environmental, San Diego.
- Two and a half months of excavations on Topomai village site, Marine Corp Air Station, Camp Pendleton.
- 1998 Field Crew, A.S.M. Affiliates, Encinitas.
- Two weeks of excavations on a site on Red Beach, Camp Pendleton, and two weeks of survey in Camp Pendleton, Otay Mesa, and Encinitas.
- 1998 Field Crew, Archaeological Research Unit, University of California, Riverside.

- Two weeks of survey in Anza Borrego Desert State Park and Eureka Valley, Death Valley National Park.

APPENDIX 2:
CORRESPONDENCES WITH LOCAL COMMUNITY

Telephone Log, Consultation with Local Community

Name	Phone	Comments
City of Lancaster Chamber of Commerce	September 20, 2006; 10:00 am	Staff at the Chamber of Commerce stated there is not a list of historic landmarks or buildings for visitors to the Lancaster area.
Norma Gurba, Lancaster Museum and Art Gallery	September 21, 2006; 10:00 am	Ms. Gurba named several locations of historic-period buildings located within the planning area and stated that the museum did not currently have a list of heritage properties.
David Ledbetter, City of Lancaster Planning Department	September 28, 2006; 11:00 am	Mr. Ledbetter stated that the City did not maintain an official register of local historic properties and that the City had not enacted a historic preservation ordinance. Mr. Ledbetter referred to the 1992 General Plan study that listed a number of potential historical sites, and referred to local historian Norma Gurba as the premier authority on Lancaster history.
Antelope Valley Indian Museum	September 20, 2006; 10:00 am	No contact. Museum web page posted that it is closed for renovations until 2007.

APPENDIX 3:
RECORDS SEARCH RESULTS

OFFICE OF HISTORIC PRESERVATION * * * Directory of Properties in the Historic Property Data File for LOS ANGELES County.			Page 150 06-16-06								
PROPERTY-NUMBER	PRIMARY #	STREET ADDRESS	NAMES	CITY NAME	OWN	YR-C	OHP-PROG.	PRG-REFERENCE-NUMBER	STAT DAT	NRS	CRIT
125693		1843 2ND ST		LA VERNE	U	1901	HIST.RES.	DOE-19-98-0383-0000	08/21/98	6Y	
125565		1355 3RD ST		LA VERNE	U	1925	HIST.RES.	DOE-19-97-0266-0000	10/06/97	6Y	
125731		1609 3RD ST		LA VERNE	U	1947	HIST.RES.	DOE-19-99-0373-0000	07/29/99	6Y	
034734		2141 5TH ST		LA VERNE	P	1919	HIST.SURV.	1750-0004-0000		7R	
125711		2480 5TH ST		LA VERNE	U	1905	HIST.RES.	DOE-19-99-0354-0000	07/29/99	7N	
034733		3499 B ST		LA VERNE	P	1904	HIST.SURV.	1750-0003-0000		7R	
125765		2280 BONETTA AVE		LA VERNE	U	1898	HIST.RES.	DOE-19-99-0406-0000	06/14/99	6Y	
034735		2642 BONITA AVE	BUILDING REHABILITATION	LA VERNE	P	1910	PROJ.REVW.	HUD990614F	06/14/99	6Y	
128182		2388 BOWDOIN ST	TRUE-HARTSHORN HOUSE	LA VERNE	P	1897	CAL.REG.	19-0384		7	
034732		2507 D ST		LA VERNE	P	1923	HIST.SURV.	1750-0002-0000		7R	
064865		2507 D ST	RESIDENCE	LA VERNE	U		PROJ.REVW.	HUD860814A	09/11/86	6Y	
067608		EAST AVE	ETIWANDA WINDBREAKS RURAL HISTORIC	LA VERNE	U	0	HIST.RES.	DOE-19-90-0049-9999	03/05/90	2S2	AC
067795		EAST AVE	ETIWANDA RURAL LANDSCAPE	LA VERNE	U	0	HIST.RES.	DOE-19-90-0050-9999	03/05/90	2D2	AC
067142		4333 EMERALD AVE	STRAIGHT, CHARLES E., HOUSE	LA VERNE	P	1902	PROJ.REVW.	FHWA900209A	03/05/90	2D2	AC
							HIST.RES.	NPS-92000833-0000	07/08/92	1S	ABC
							HIST.SURV.	1750-0007-0000	07/08/92	1S	ABC
							NAT.REG.	19-0062	07/08/92	1S	ABC
							HIST.RES.	DOE-19-90-0049-0000	03/05/90	2S2	BC
							PROJ.REVW.	FHWA900209A	03/05/90	2S2	BC
034731		919 PUDDINGSTONE DR	LA CASA DE CARRION	LA VERNE	P	1868	HIST.SURV.	1750-0001-0000		3S	
084907		2172 WALNUT ST	J D PALOMARES HOUSE	LA VERNE	P	1880	HIST.RES.	SHL-0386-0000	12/14/45	7L	
							ST.PT.INT.	19-0150	02/18/94	7L	
							HIST.RES.	SPHI-LAN-061	03/11/94	7L	
072357		6100 BRYDON RD	DEWENTER MANSION GUEST HOUSE AND G (VIC) LA VERNE	LA VERNE	P	1940	HIST.RES.	NPSS-92001559-0000	11/05/92	1S	C
							HIST.SURV.	1750-0006-0000	11/05/92	1S	C
							NAT.REG.	33-0032	11/05/92	3S	C
095179		18106 DESSWOOD DR		LAKE HUGHES		1930	PROJ.REVW.	HUD940204B	09/19/95	6Y	
096947		6056 ADENMOOR AVE		LAKWOOD	P	1945	PROJ.REVW.	HUD9506022	07/27/95	6Y	
084357		5909 AUTRY AVE		LAKWOOD	P	1943	PROJ.REVW.	HUD930830B	09/28/93	6Y	
150963		4300 BELLFLOWER BLVD	LAKWOOD FIRST UNITED METHODIST CH	LAKWOOD	P	1951	HIST.RES.	DOE-19-04-0368-0000	04/08/04	6Y	
							PROJ.REVW.	FCC040408B	04/08/04	6Y	
099952		6008 BONFAIR AVE		LAKWOOD	P	1944	PROJ.REVW.	HUD951207F	01/05/96	6Y	
162070		11851 CENTRALIA ST		LAKWOOD	P	1949	PROJ.REVW.	HUD060526N	05/31/06	6Y	
							PROJ.REVW.	HUD060414F	04/18/06	6Y	
083108		5922 COLDBROOK AVE		LAKWOOD	P	1943	PROJ.REVW.	HUD930518A	07/23/93	6Y	
029352	19-178672	3101 E CARSON ST	LAKWOOD COUNTRY CL. CLUBHOUSE	LAKWOOD	C	1933	HIST.SURV.	0714-0001-0000		7N	
099957		6138 PREMIERE AVE		LAKWOOD	P	1945	PROJ.REVW.	HUD951208J	01/05/96	6Y	
064676			WESTERN HOTEL	LANCASTER	U		PROJ.REVW.	HUD860317C	04/09/86	6Y	
148634		44738 10TH ST W		LANCASTER	P	1948	HIST.RES.	DOE-19-04-0125-0000	03/25/04	6Y	
							PROJ.REVW.	FCC040317A	03/25/04	6Y	
148633		44744 10TH ST W		LANCASTER	P	1948	HIST.RES.	DOE-19-04-0124-0000	03/25/04	6Y	
							PROJ.REVW.	FCC040317A	03/25/04	6Y	
065206		5TH ST	RESIDENCE	LANCASTER	U		PROJ.REVW.	HUD870420C	06/18/87	6Y	

PROPERTY-NUMBER	PRIMARY-#	STREET-ADDRESS	NAMES	CITY-NAME	OWN	YR-C	OHP-PROG.	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
085060		CEDAR AVE	MEMORIAL HALL	LANCASTER							
085063		CEDAR AVE	SHERIFF'S GARAGE	LANCASTER	M	1938	HIST. SURV.	3534-0003-0001	09/30/93	1D	AC
085061		CEDAR AVE	SHERIFF'S SUBSTATION	LANCASTER	M	1938	HIST. SURV.	3534-0003-0003	09/30/93	6X	AC
085065		CEDAR AVE	JAIL BUILDING	LANCASTER	M	1938	HIST. SURV.	3534-0003-0002	09/30/93	1D	AC
035410	44855	CEDAR AVE	CEDAR AVENUE BUILDINGS, MEMORIAL H	LANCASTER	M	1920	HIST. SURV.	3534-0003-0004	09/30/93	1D	AC
					M	1938	HIST. RES.	NPS-93001017-0000	09/30/93	1S	AC
							NAT. REG.	19-0088	09/30/93	1S	AC
065455	45109	CEDAR AVE		LANCASTER			ST. FND. PRG	619.0-HP-88-19-008	12/19/88	6	
					U	1915	HIST. SURV.	3534-0003-9999	09/30/93	1S	AC
119493	155 E AVE I		ANTELOPE VALLEY FAIRGROUNDS HISTOR	LANCASTER			PROJ. REVW.	HUD900331dd	08/16/93	6Y	
119502	155 E AVE I		HORSE BARN 38-2, ANTELOPE VALLEY F	LANCASTER	S	1941	HIST. RES.	DOE-19-99-0015-9999	01/25/99	2S2	A
					S		PROJ. REVW.	HUD981005H	01/25/99	2S2	A
							HIST. RES.	DOE-19-99-0015-0008	01/25/99	2D2	A
119501	155 E AVE I		HORSE BARN 38-1, ANTELOPE VALLEY F	LANCASTER			PROJ. REVW.	HUD981005H	01/25/99	2D2	A
					S		HIST. RES.	DOE-19-99-0015-0007	01/25/99	2D2	A
119499	155 E AVE I		GRANDSTAND, ANTELOPE VALLEY FAIRGR	LANCASTER	S	1939	PROJ. REVW.	HUD981005H	01/25/99	2D2	A
119498	155 E AVE I		DIRECTOR'S COTTAGE, ANTELOPE VALLE	LANCASTER	S		HIST. RES.	DOE-19-99-0015-0006	01/25/99	2D2	A
119497	155 E AVE I		ALFALFA FESTIVAL BUILDING, ANTELOP	LANCASTER	S		PROJ. REVW.	HUD981005H	01/25/99	2D2	A
119496	155 E AVE I		CHRIS SHERRI BUILDING, ANTELOPE VA	LANCASTER	S		HIST. RES.	DOE-19-99-0015-0005	01/25/99	2D2	A
119494	155 E AVE I		SAGE PAVILION, ANTELOPE VALLEY FAI	LANCASTER	S	1941	PROJ. REVW.	HUD981005H	01/25/99	2D2	A
119495	155 E AVE I		TELECOMMUTE CENTER, ANTELOPE VALLE	LANCASTER	S		HIST. RES.	DOE-19-99-0015-0004	01/25/99	2D2	A
035407	15701	EAST AVE	ANTELOPE VALLEY INDIAN MUSEUM	LANCASTER	S	1928	PROJ. REVW.	HUD981005H	01/25/99	2D2	A
					S		HIST. RES.	DOE-19-99-0015-0001	01/25/99	2D2	A
							HIST. RES.	DOE-19-99-0015-0002	01/25/99	2D2	A
							PROJ. REVW.	HUD981005H	01/25/99	2D2	A
							HIST. RES.	NPS-87000509-0000	02/26/87	1S	
							HIST. SURV.	3534-0001-9999	02/26/87	1S	
							HIST. SURV.	3534-0002-9999	02/26/87	6	
							HIST. RES.	SPHI-LAN-033	03/01/82	7L	
148636	44821	GENOA AVE		LANCASTER	P	1947	HIST. RES.	DOE-19-04-0127-0000	03/25/04	6Y	
148635	44839	GENOA AVE		LANCASTER	P	1942	PROJ. REVW.	FCC040317A	03/25/04	6Y	
085066		LANCASTER BLVD	HEALTH CENTER	LANCASTER	M	1930	HIST. RES.	DOE-19-04-0126-0000	03/25/04	6Y	
160591	44219	SIERRA HWY	DESERT INN	LANCASTER	M	1930	PROJ. REVW.	FCC040317A	03/25/04	6Y	
120026	42115	W 45TH ST		LANCASTER	P	1948	HIST. SURV.	3534-0003-0005	09/30/93	1D	AC
134435	45133	W 60TH ST		LANCASTER	U	1939	PROJ. REVW.	FCC060207SS	02/27/06	6Y	
							HIST. RES.	DOE-19-97-0171-0000	10/23/97	6U	
							PROJ. REVW.	HUD980109K	10/23/97	6U	
065541	326	W LANCASTER BLVD		LANCASTER		1950	HIST. RES.	DOE-19-02-1025-0000	10/09/02	6U	
105588	539	W LANCASTER BLVD		LANCASTER	U		PROJ. REVW.	HUD021009N	10/09/02	6U	
035408	557	W LANCASTER BLVD	GILROY HOTEL; WESTERN HOTEL	LANCASTER			PROJ. REVW.	HUD881116Z	11/28/88	6Y	
					P	1924	HIST. SURV.	FDIC961021A	11/25/96	6Y	
067701	716	W OLDFIELD ST	JANE REYNOLDS PARK	LANCASTER		1874	HIST. RES.	3534-0002-0000		3S	
					U		HIST. RES.	SHL-0658-0000	09/26/58	7L	
							PROJ. REVW.	HUD890714E	01/17/90	6Y	
125563	14717	BURIN AVE		LAWNDALE	U	1923	HIST. RES.	DOE-19-97-0264-0000	10/06/97	6Y	
029222	19-178543	16713 FIRMONA AVE		LAWNDALE	P	1927	PROJ. REVW.	HUD971006F	10/06/97	6Y	
136785		3850 MANHATTAN BEACH BLVD		LAWNDALE	P		HIST. SURV.	0606-0001-0000		7R	
083137	4724	W 159TH ST		LAWNDALE	P	1935	HIST. RES.	DOE-19-03-0033-0000	01/21/03	6Y	
							PROJ. REVW.	FCC030123G	01/21/03	6Y	
							PROJ. REVW.	HUD930219A	07/29/93	6Y	

OFFICE OF HISTORIC PRESERVATION * * * Directory of Properties in the Historic Property Data File for LOS ANGELES County.										Page 100	06-16-06	
PROPERTY-NUMBER	PRIMARY-#	STREET-ADDRESS	NAMES	CITY-NAME	OWN	YR-C	OHP-PROG..	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT	
020677	19-176693	4814 UNION PACIFIC AVE		EAST LOS ANGELES	P	1931	HIST.SURV.	0022-0177-0000		7		
089835		4531 VALLEY BLVD	MURAL	EAST LOS ANGELES	P	1974	HIST.SURV.	0022-0244-0000	07/01/79	7		
020665	19-176681	1246 VAN FELT AVE		EAST LOS ANGELES	P	1929	HIST.SURV.	0022-0165-0000		7		
064733		730 VANCOUVER AVE	RESIDENCE	EAST LOS ANGELES	U		PROJ.REVW.	HUD860521P	06/17/86	6Y		
020571	19-176587	4700 W WHITTIER BLVD	KRESS BUILDING, FREE STORES	EAST LOS ANGELES	P	1927	HIST.SURV.	0022-0070-0000		5S2		
065709		5134 W WHITTIER BLVD	ALAMEDA THEATER FACADE REP	EAST LOS ANGELES	U		HIST.RES.	DOE-19-89-0041-0000	03/13/89	2S2	AC	
							PROJ.REVW.	HUD890124A	03/13/89	2S2	AC	
089840		2765 WABASH AVE	MURAL	EAST LOS ANGELES	M	1974	HIST.SURV.	0022-0246-0000	07/01/79	7		
089842		3044 WABASH AVE	LAS TRES CULTURAS (MURAL)	EAST LOS ANGELES	P	1974	HIST.SURV.	0022-0248-0000	07/01/79	7		
089841		3051 WABASH AVE	NAVIA DEL PUBBLE, MARIA DE LOS ANG	EAST LOS ANGELES	P	1975	HIST.SURV.	0022-0247-0000	07/01/79	7		
089855		3218 WABASH AVE	FIRST S.B.C. (MURAL)	EAST LOS ANGELES	P	1978	HIST.SURV.	0022-0260-0000	07/01/79	7		
020686	19-176702	3630 WHITESIDE ST		EAST LOS ANGELES	P	1924	HIST.SURV.	0022-0186-0000		7		
089870		2409 WHITTIER BLVD	ACAPULCO (MURAL)	EAST LOS ANGELES	P	1979	HIST.SURV.	0022-0274-0000	07/01/79	7		
089875		2419 WHITTIER BLVD	ANCIENT REMEDIES (MURAL)	EAST LOS ANGELES	P	1978	HIST.SURV.	0022-0279-0000	07/01/79	7		
089869		2519 WHITTIER BLVD	MASCARAS (MURAL)	EAST LOS ANGELES	P	1974	HIST.SURV.	0022-0273-0000	07/01/79	7		
089880		2751 WHITTIER BLVD	CRUCIFIXION (MURAL)	EAST LOS ANGELES	P	1976	HIST.SURV.	0022-0284-0000	07/01/79	7		
089879		2801 WHITTIER BLVD	NUESTROS HEROES (MURAL)	EAST LOS ANGELES	P	1975	HIST.SURV.	0022-0283-0000	07/01/79	7		
089810		3575 WHITTIER BLVD	CALAVERA (MURAL)	EAST LOS ANGELES	P		HIST.SURV.	0022-0219-0000	07/01/79	7		
089868		4030 WHITTIER BLVD	MECHICANO (MURAL)	EAST LOS ANGELES	P	1973	HIST.SURV.	0022-0272-0000	07/01/79	7		
089867		4060 WHITTIER BLVD	SEARCH FOR KNOWLEDGE (MURAL)	EAST LOS ANGELES	P	1972	HIST.SURV.	0022-0271-0000	07/01/79	7		
089866		4433 WHITTIER BLVD	THE DIP (MURAL)	EAST LOS ANGELES	P	1973	HIST.SURV.	0022-0270-0000	07/01/79	7		
089865		4928 WHITTIER BLVD	LA VOS DE LA JENTE (THE VOICE OF T	EAST LOS ANGELES	P	1978	HIST.SURV.	0022-0269-0000	07/01/79	7		
089860		4982 WHITTIER BLVD	LOS TRES CULTURAL (MURAL)	EAST LOS ANGELES	P	1972	HIST.SURV.	0022-0265-0000	07/01/79	7		
089863		5228 WHITTIER BLVD	JOAQUIN MURIETA (MURAL)	EAST LOS ANGELES	P	1974	HIST.SURV.	0022-0267-0000	07/01/79	7		
089862		6140 WHITTIER BLVD	AYUDATE (MURAL)	EAST LOS ANGELES	P	1974	HIST.SURV.	0022-0266-0000	07/01/79	7		
020520	19-176536	6333 WHITTIER BLVD	GAS STATION	EAST LOS ANGELES	P	1926	HIST.SURV.	0022-0019-0000		5S2		
020671	19-176687	546 WILLIAMSON AVE		EAST LOS ANGELES	P	1940	HIST.SURV.	0022-0171-0000		7		
118775			STORAGE BUNKER	EDWARDS AF	F		HIST.RES.	ADOE-19-98-013-12	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118761			BUILDING 520, VIEWING STATION	EDWARDS AF	F	1959	HIST.RES.	ADOE-19-98-013-07	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118774			AIR SUPPLY BUILDING	EDWARDS AF	F	1959	HIST.RES.	ADOE-19-98-013-11	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118760			BUILDING 516, WATER TOWER	EDWARDS AF	F	1955	HIST.RES.	ADOE-19-98-013-06	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118773			BUILDING 545	EDWARDS AF	F	1959	HIST.RES.	ADOE-19-98-013-10	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118763			BUILDING 540, FIRE PREVENTION PUMP	EDWARDS AF	F	1952	HIST.RES.	ADOE-19-98-013-09	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118758			BUILDING 513, WELL PUMP HOUSE	EDWARDS AF	F	1962	HIST.RES.	ADOE-19-98-013-05	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118757			BUILDING 512, RECEIVER STATION	EDWARDS AF	F	1951	HIST.RES.	ADOE-19-98-013-04	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118755			ST-74 / BUILDING 510, FIRE STATION	EDWARDS AF	F	1954	HIST.RES.	ADOE-19-98-013-03	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118754			ST-21B / BUILDING 502, ORIGINAL FI	EDWARDS AF	F	1951	HIST.RES.	ADOE-19-98-013-02	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
118753			HIGH SPEED TEST TRACK / SLED TRACK	EDWARDS AF	F	1957	HIST.RES.	ADOE-19-98-013-01	10/02/98	2D2	AC	
							PROJ.REVW.	USAF980814A	10/02/98	2D2	AC	
130589		2258 ALLGEYER AVE		EL MONTE	P	1951	HIST.RES.	DOE-19-02-0029-0000	03/18/02	6Y		
							PROJ.REVW.	HUD020221F	03/18/02	6Y		
138433		2264 ALLGEYER AVE		EL MONTE	P	1951	HIST.RES.	DOE-19-03-0091-0000	03/27/03	6Y		
							PROJ.REVW.	HUD030321F	03/27/03	6Y		

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1063

DATE: 1981

PAGES: 100

AUTHOR: Greenwood, Roberta

FIRM: Greenwood and Associates

TITLE: Cultural Resources Management Plan for Edwards Air force Base

AREA:

SITES: 19-000769,19-000828,19-000863,19-00067,19-001100,19-001103,19-001155,19-001158,19-001164,19-001190,19-001240,19-001276,19-001282,19-001292,19-001295,19-001296,19-001316,19-001321,19-001329,19-001385H,19-001386H,19-001387H,19-001394H

QUADNAME: Rogers Lake, Redman

MEMO:

→ IC ID#: LA1587

DATE: 1986

PAGES: 8

AUTHOR: Roman, Gwendolyn R.

FIRM: Greenwood and Associates

TITLE: Archaeological Investigation: Tentative Tract No. 36182 Sylmar, Los Angeles County

AREA: 10 ac

SITES: None

QUADNAME: San Fernando *Typo*

MEMO:

IC ID#: LA1810

DATE: 1988

PAGES: 7

AUTHOR: Robinson, R. W.

FIRM:

TITLE: A Cultural Resources Investigation of 75 Acres Located in the Del Sur Area of North Los Angeles County, California

AREA: 75 ac

SITES: One isolate

QUADNAME: Del Sur

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1920 **DATE:** 1989 **PAGES:** 10

AUTHOR: Singer, Clay A. and John E. Atwood

FIRM: Singer & Associates

TITLE: Cultural Resources Survey and Impact Assessment for Two Properties Near Lancaster (GPA Group 5), Los Angeles County, California.

AREA: 220 ac

SITES: None

QUADNAME: Del Sur

MEMO:

IC ID#: LA1955 **DATE:** 1979 **PAGES:** 109

AUTHOR: Greenwood, Roberta, Michael J. McIntyre, Roger G. Hatheway, Lowell John Bean and Sylvia

FIRM: Greenwood and Associates

TITLE: Research Design for the Preparation of Cultural Resources Overview, Edwards Air Force Base

AREA:

SITES: 19-000673,19-000769,19-000828,19-000863,19-001067

QUADNAME:

MEMO:

IC ID#: LA2053 **DATE:** 1990 **PAGES:** 20

AUTHOR: Love, Bruce and William H. De Witt

FIRM: Pyramid Archaeology

TITLE: Cultural Resources Evaluation for Lancaster EIR Group 7 Lancaster, Los Angeles County

AREA: 350 ac

SITES: None

QUADNAME: Little Buttes

Del Sur

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2059

DATE: 1990

PAGES: 18

AUTHOR: Singer, Clay A. and John E. Atwood

FIRM: Singer & Associates, Inc.

TITLE: Cultural Resources Survey and Impact Assessment for Six Properties in the City of Lancaster,
Los Angeles County, California.

AREA: 150 ac

SITES: None

QUADNAME: Del Sur

MEMO:

IC ID#: LA2063

DATE: 1990

PAGES: 16

AUTHOR: Singer, Clay A. and John E. Atwood

FIRM: Singer & Associates

TITLE: Cultural Resources Survey and Impact Assessment for Four Properties in the City of Lancaster,
Los Angeles County, California.

AREA: 114 ac

SITES: None

QUADNAME: Del Sur

Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2124

DATE: 1990

PAGES: 25

AUTHOR: Singer, Clay A. and John E. Atwood

FIRM: Singer & Associates, Inc.

TITLE: Cultural Resources Survey and Impact Assessment for Seventeen Properties in the City of Lancaster, Los Angeles County, California.

AREA: 675 ac

SITES: None

QUADNAME: Del Sur

MEMO:

IC ID#: LA2125

DATE: 1968

PAGES: 1

AUTHOR: King, Thomas

FIRM: University of California Los Angeles Archaeological Survey

TITLE: UCLA-Archaeological Survey Field Project Number UCAS-215: the Route Designation: 7-LA-138 Between RTE. 48 Freeway and the San Bernardino County Line

AREA: 45 li mi

SITES: None

QUADNAME: Del Sur

Fairmont Butte

MEMO: Missing Report Updated: 11/6/02

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2322

DATE: 1991

PAGES: 100

AUTHOR: Wessel, Richard L.

FIRM: Computer Sciences Corporation

TITLE: Environmental Planning and Analysis Program Historic Resource overview and management Plan
Volume II: Historic Overview and management Plan Volume II: Historic Overview

AREA:

SITES: None

QUADNAME: ROSAMOND

ROSAMOND LAKE

MEMO:

IC ID#: LA238

DATE: 1976

PAGES: 13

AUTHOR: Robinson, R. W.

FIRM: Archaeological Impact Services

TITLE: Draft Environmental Impact Report for Zone Change 6118 and Tentative Tracts No. 32940 and
31611 Appendix A

AREA:

SITES: None

QUADNAME: LANCASTER WEST

DEL SUR

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2546 DATE: 1992 PAGES: 20

AUTHOR: NORWOOD, RICHARD H.

FIRM: RT Factfinders

TITLE: Phase I Cultural Resource Investigation for Tentative Parcel Map No. 23211 Lancaster, Los Angeles County California

AREA:

SITES: 19-120054

QUADNAME: Alpine Butte

MEMO: Historic materials (50+ years of age) throughout property.

IC ID#: LA2574 DATE: 1988 PAGES: 55

AUTHOR: SUTTON, MARK Q.

FIRM: Coyote Press

TITLE: An Introduction to the Archaeology of the Western Mojave Desert, California

AREA:

SITES: 19-000192,19-000298,19-000487,19-000488,19-000765,19-000767,19-000828,19-001103

QUADNAME: Burnt Peak
Fairmont Butte

MEMO:

E should be Redman I checked maps / file listed wrong

IC ID#: LA2575 DATE: 1992 PAGES: 6

AUTHOR: ROBINSON, R. W.

FIRM:

TITLE: A Cultural Resources Investigation of Tentative Parcel Map 23062, Approximately Twenty Acres Located in the East Lancaster Area Los Angeles County, California

AREA:

SITES: None

QUADNAME: Alpine Butte

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3137

DATE: 1994

PAGES: 29

AUTHOR: Whitley, D. and Joseph Simon

FIRM: W and S Consultants

TITLE: Phase 1 Archaeological Survey and Cultural Resources Assessment of a 40 Acres Parcel in Palmdale, Los Angeles County, California

AREA: 40 ac

SITES: None

QUADNAME: Del sur

MEMO:

IC ID#: LA3373

DATE: 1989

PAGES: 9

AUTHOR: HECTOR, SUSAN

FIRM: Susan Hector

TITLE: The Farm Drop Zone Archaeological Investigations Edwards Air Force Base, California

AREA:

SITES: None

QUADNAME: Redman

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3894

DATE: 1979

PAGES: 356

AUTHOR: Stickel, Gary E.

FIRM:

TITLE: An Overview of the Cultural Resources of the Western Mojave Desert

AREA: 2.35 million ac

SITES: 19-000077,19-000192,19-000239,19-000296,19-000297,19-000298,19-000305,19-000483,19-000484,19-000485,19-000486,19-000488,19-000679,19-000714,19-000716,19-000720,19-000721,19-000764,19-000765,19-000767,19-000770,19-000771,19-000772,19-000787,19-000788
19-000828

QUADNAME: Liegre Mt,Love Butts,Palmdale,Juniper Hills,Burnt Peak,Fairmont Butte,Rosamond,Rosamond L

MEMO:

IC ID#: LA4141

DATE: 1997

PAGES: 69

AUTHOR: Love, Bruce

FIRM: CRM TECH

TITLE: Cultural Resources Report Bakersfield-Rialto Fiberoptic Line Project Kern, Los Angeles, and San Bernardino Counties, California

AREA: 185 li mi

SITES: None

QUADNAME: Little Buttes,Del Sur,Lancaster,Ritter Ridge,Palmdale,Little Rock,Lovejoy Buttes,El Mirage

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA4243 **DATE:** 1998 **PAGES:** 7

AUTHOR: Maki, Mary K.

FIRM: Conejo Archaeological Consultants

TITLE: Negative Phase I Archaeological Survey and Impact Assessment of 4.62 Acres for the Mayflower Garden Project No. HMD001, Lancaster, Los Angeles County, California

AREA: 4.62 ac

SITES: None

QUADNAME: Lancaster, Del Sur

MEMO:

IC ID#: LA440 **DATE:** 1978 **PAGES:** 106

AUTHOR: SUTTON, MARK Q.

FIRM: EDWARDS AIR FORCE BASE

TITLE: Project Specific Cultural Resource Survey Reports: A Compendium From Edwards Air Force Base December 1976 and December 1977

AREA: 321 ac

SITES: CA-LAN-720 LAN-769,LAN-771,LAN-828

QUADNAME: REDMAN

MEMO:

IC ID#: LA4628 **DATE:** 1998 **PAGES:** 196

AUTHOR: Anonymous

FIRM: Jones and Stokes Associates

TITLE: Final Phase II Cultural Resource Evaluation of the South Base Sled Track Edwards AFB, Kern and Los Angeles Counties, California

AREA: 880ac

SITES: 19-002178

QUADNAME: Redman, Rogers Lake South

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA4904 **DATE:** 2000 **PAGES:** 22
AUTHOR: Love, Bruce
FIRM: CRM Tech
TITLE: Historical/Archaeological Resources Survey Report
AREA: 480
SITES: none

QUADNAME: Los Angeles, Del Sur, Lancaster West
MEMO:

IC ID#: LA572 **DATE:** 1988 **PAGES:** 275
AUTHOR: Hector, Susan M.
FIRM:
TITLE: Cultural Resource Investigation for the FARM DROP Zone EDWARDS
AIR for CE BASE CALIFORNIA
AREA:
SITES: CA-LAN-769, LAN-770, LAN-771, LAN-772, LAN-773,
CA-LAN-828, LAN-1158, LAN-1240, LAN-1398H, LAN-1440H
CA-LAN-1438, LAN-1439H, LAN-1441H

QUADNAME: Redman
MEMO:

IC ID#: LA6602 **DATE:** 2003 **PAGES:** 75
AUTHOR: McKenna, Jeanette A.
FIRM: McKenna et al.
TITLE: A Phase I Cultural Resources Investigation for the Sayani Property, Approximately 300 Acres in
the City of Lancaster, Los Angeles County, CA
AREA: 300 ac
SITES: None

QUADNAME: Del Sur
MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6642 **DATE:** 1994 **PAGES:** 15

AUTHOR: Whitley, David S. Tamera K. Whitley

FIRM: W and S Consultants

TITLE: Phase I Archaeological Survey and Cultural Resources Assessment of Tentative Tract 47771, Palmdale, Los Angeles County, CA

AREA: 80 ac

SITES: None

QUADNAME: Del Sur

MEMO:

IC ID#: LA6643 **DATE:** 2002 **PAGES:** 53

AUTHOR: Unknown

FIRM: Impact Sciences, Inc.

TITLE: Draft Environmental Impact Report SCH No. 2000081119 Westview Estates

AREA: 120 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6803 **DATE:** 2001 **PAGES:** 17

AUTHOR: Duke, Curt

FIRM: LSA Associates, Inc.

TITLE: Cultural Resource Assessment Cingular Wireless Facility No. VY 064-01 Los Angeles County, California

AREA: .25 ac

SITES: None

QUADNAME: Alpine Butte

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA7285

DATE: 2005

PAGES: 33

AUTHOR: Norwood, Richard H.

FIRM: RTFactfinders

TITLE: Phase I Cultural Resource Investigation for a 170-Acre Property Southwest of the Intersection of 72nd Street West and West Avenue L Lancaster, Los Angeles County California

AREA: 170 ac

SITES:

QUADNAME: Del Sur

MEMO:

IC ID#: LA7286

DATE: 2004

PAGES: 202

AUTHOR: McKenna, Jeanette A.

FIRM: McKENNA et al.

TITLE: A Phase I Cultural Resources Investigation For The Sayani Property, Approximately 800 Acres In The City of Lancaster, Los Angeles County, California

AREA: ~800 ac

SITES: 19-003311, 19-003312

QUADNAME: Del Sur

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA7287

DATE: 2004

PAGES: 25

AUTHOR: Getchell, Barbie and Atwood, John E.

FIRM: PAST, Inc.

TITLE: Phase I Cultural Resources Survey of APN 3248-003-015, A 9.15 Acre Parcel Located East of 110th Street West, Between Avenue K and Avenue K-4, In the City of Lancaster, Los Angeles County, California

AREA: 9.15 ac

SITES:

QUADNAME: Del Sur

MEMO:

IC ID#: LA7290

DATE: 2005

PAGES: 66

AUTHOR: McKenna, Jeanette A.

FIRM: McKENNA et al.

TITLE: A Phase 1 Cultural Resources Investigation for Approximately 600 Acres In the City of Lancaster, Loas Angeles County, California

AREA: ~600 ac

SITES: 19-001334, 19-001830

QUADNAME: Del Sur

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA7291

DATE: 2005

PAGES: 63

AUTHOR: McKenna, Jeanette, A.

FIRM: McKENNA et al.

TITLE: Phase 1 Cultural Resources Investigation for Assessor Parcel Numbers 3219-024-020, 3203-001-003 and 3203-001-004, Approximately 120 Acres In The City of Lancaster, Los Angeles County, California

AREA: ~120 ac

SITES: 19-001579H, 19-001612H

QUADNAME: Del Sur

MEMO:

IC ID#: LA768

DATE: 1978

PAGES: 19

AUTHOR: Sutton, Mark Q.

FIRM:

TITLE: Archaeological Investigations AT ANTELOPE SCHOOL (LAN-720);
AN HISTORIC SITE in the ANTELOPE VALLEY, CALIFORNIA APPENDIX I

AREA:

SITES: CA-LAN-720H

QUADNAME: REDMAN

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA772 **DATE:** 1978 **PAGES:** 11

AUTHOR: Sutton, Mark Q.

FIRM:

TITLE: RELATIonSHIPS BETWEEN ARTIFACTUAL and UNMODIFIED LITHICS AT
LAN-771

AREA:

SITES: CA-LAN-771

QUADNAME: REDMAN

MEMO:

IC ID#: LA793 **DATE:** 1979 **PAGES:** 5

AUTHOR: Sutton, Mark Q.

FIRM:

TITLE: THREE BAKED CLAY FIGURINES FROM the ANTELOPE VALLEY,
CALIforNIA

AREA:

SITES: CA-LAN-771

QUADNAME: REDMAN SCHOOL

MEMO:

IC ID#: LA860 **DATE:** 1980 **PAGES:** 11

AUTHOR: Dillon, Brian D.

FIRM: BRIAN DILLON,

TITLE: An Archaeological Resource Survey and Impact Assessment of
TENTATIVE MinOR LAND DIVISION 13327, Los Angeles County, CALIforNIA.

AREA: 20 ac

SITES: none

QUADNAME: ALPINE BUTTE

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA861

DATE: 1980

PAGES: 11

AUTHOR: Dillon, Brian D.

FIRM: BRIAN DILLON,

TITLE: An Archaeological Resource Survey and Impact Assessment of
TENTATIVE MinOR LAND DIVISION 13328, Los Angeles County, CALifornia

AREA: 20 ac

SITES: none

QUADNAME: ALPINE BUTTE

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA162 **DATE:** 1988 **PAGES:** 4

AUTHOR: Love, Bruce

FIRM: Pyramid Archaeology

TITLE: Archaeology Report for Avenue M Right-of-Way and Amargosa Culvert Project

AREA: 3 li mi

SITES: None

QUADNAME: Lancaster East
Lancaster West

MEMO:

IC ID#: LA1713 **DATE:** 1988 **PAGES:** 8

AUTHOR: Romani, Gwendolyn R. and Roberta S. Greenwood

FIRM: Greenwood and Associates

TITLE: Cultural Resource Investigation Spears Manufacturing and Distribution Center, City of Lancaster

AREA: 40 ac

SITES: None

QUADNAME: Lancaster East
Lancaster West

MEMO:

IC ID#: LA1811 **DATE:** 1989 **PAGES:** 12

AUTHOR: Robinson, R. W.

FIRM:

TITLE: A Cultural Resources Investigation of 1652 Acres Located in East Lancaster, North Los Angeles County, California

AREA: 1652 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1904 **DATE:** 1989 **PAGES:** 13

AUTHOR: Norwood, Richard H.

FIRM: Pyramid Archaeology

TITLE: Cultural Resource Survey for GPA 88-58, Lancaster, California

AREA: 80 ac

SITES: None

QUADNAME: Lancaster

MEMO:

IC ID#: LA1957 **DATE:** 1990 **PAGES:** 19

AUTHOR: Love, Bruce

FIRM: Pyramid Archaeology

TITLE: Cultural Resources Investigation for Lancaster Business Park Lancaster, California

AREA: 160 ac

SITES: 19-001422H

QUADNAME: Lancaster East

Lancaster West

MEMO:

IC ID#: LA2050 **DATE:** 1990 **PAGES:** 5

AUTHOR: Love, Bruce

FIRM: Pyramid Archaeology

TITLE: Archaeological Condition on GPA 88-58

AREA: 70 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2055 **DATE:** 1990 **PAGES:** 20

AUTHOR: Love, Bruce, and William H. De Witt

FIRM: Pyramid Archaeology

TITLE: Cultural Resources Evaluation for Lancaster EIR Group 9 Lancaster, Los Angeles County

AREA: 70 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

IC ID#: LA2060 **DATE:** 1990 **PAGES:** 28

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Cultural Resource Survey for TTM 43683 Lancaster, California

AREA: 8 ac

SITES: 19-001793H

QUADNAME: Lancaster East

MEMO:

IC ID#: LA2088 **DATE:** 1990 **PAGES:** 25

AUTHOR: Love, Bruce and William H. De Witt

FIRM: Pyramid Archaeology

TITLE: Final Report of the Phase II Testing and Evaluation of GPA 88 04 & 88-09, Lancaster, Los Angeles County.

AREA:

SITES: 19-001427

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2229

DATE: 1990

PAGES: 10

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Cultural Resource Survey for a 1.5 Acre Parcel (APN 3123001042) in Lancaster, California

AREA:

SITES: None

QUADNAME: Lancaster

MEMO:

IC ID#: LA2345

DATE: 1990

PAGES: 6

AUTHOR: Robinson, R. W.

FIRM:

TITLE: A Cultural Resources Investigation and Assessment for the Antelope Valley High School #8
EIR, Los Angeles County, California

AREA:

SITES: None

QUADNAME: LANCASTER EAST

MEMO:

IC ID#: LA2404

DATE: 1991

PAGES: 23

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Phase I Archaeological and Historical Study for Tentative Tract No. 21170; 40 Acres in
Lancaster, California.

AREA:

SITES: 19-001968H

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA249 **DATE:** 1988 **PAGES:** 18

AUTHOR: Love, Bruce

FIRM: Pyramid Archaeology

TITLE: Archaeological overview of 508 Acres on the East Side of Lancaster Known as GPA 88-04 AND 88-09

AREA:

SITES: 19-001427

QUADNAME: Lancaster East

MEMO:

IC ID#: LA2589 **DATE:** 1992 **PAGES:** 35

AUTHOR: CAMPBELL, RESEARCH

FIRM: Campbell Research

TITLE: Tierra Bonita Park Site Cultural Resources Study

AREA:

SITES: None

QUADNAME: Lancaster East

MEMO:

IC ID#: LA2593 **DATE:** 1992 **PAGES:** 18

AUTHOR: NORWOOD, RICHARD H.

FIRM: RT Factfinders

TITLE: Phase I Cultural Resource Investigation for Amagosa Creek Channelization Project, Avenue L to Avenue K-8 and 10th Street East, Lancaster, Los Angeles County California

AREA:

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2744 **DATE:** 1992 **PAGES:** 12

AUTHOR: NORWOOD, RICHARD H.

FIRM: RT FACTFINDERS

TITLE: Phase I Cultural Resource Investigation for Tentative Tract 49216 Near Lancaster, Los Angeles County California

AREA: 15 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

IC ID#: LA2779 **DATE:** 1993 **PAGES:** 19

AUTHOR: NORWOOD, RICHARD H.

FIRM: CONSULTING ARCHAEOLOGIST

TITLE: Phase I Cultural Resource Investigation for Vesting Tentative Map, Tract 51078 Lancaster, Los Angeles County, California

AREA: 120 ac

SITES: CA-LAN-419, LAN--486, LAN-1422H, LAN-1990H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2847 **DATE:** 1993 **PAGES:** 17

AUTHOR: NORWOOD, RICHARD H.

FIRM: CONSULTING ARCHAEOLOGIST

TITLE: Phase I Cultural Resource Investigation for a 12 Acre Parcel, Avenue F-8 and 60th Street East, Near Lancaster, Los Angeles County, California

AREA: 12 ac

SITES:

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2960

DATE: 1993

PAGES: 21

AUTHOR: CAMPBELL, MARK

FIRM: Campbell Research

TITLE: Cultural Resources Inventory for TT 49154, A 26.2 Acre Parcel Located in the City of Lancaster, Los Angeles County, California.

AREA: 26 ac

SITES:

QUADNAME: Lancaster East

MEMO:

IC ID#: LA2978

DATE: 1994

PAGES: 45

AUTHOR: Tartaglia, Louis

FIRM: Consulting Archaeologist

TITLE: Cultural Resources Reconnaissance Surface Field Survey Lancaster Landfill Expansion Project Approximately 170 Acres Lancaster, California

AREA: 170 ac

SITES:

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3227

DATE: 1995

PAGES: 22

AUTHOR: NORWOOD, RICHARD H.

FIRM:

TITLE: Phase I Cultural Resource Investigation for Parcels APN 3176-5-902;3176-9-17, 18, 19; 3176-10-24 Lancaster, Los Angeles County California

AREA: 12 ac

SITES: None

QUADNAME: Lancaster East

Lancaster West

MEMO:

IC ID#: LA3610

DATE: 1997

PAGES: 28

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Phase I Cultural Resource Investigation for the Home Depot: Lancaster, Los Angeles County California

AREA: 15.5 ac

SITES: 19-002550

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3621 **DATE:** n.d. **PAGES:** 24

AUTHOR: McKenna, Jeanette A.

FIRM: EIP Associates, Inc.

TITLE: Cultural Resources Investigation for the Proposed Avenue L Overcrossing: Archaeological
Records Check and Literature Review

AREA: 3 ac

SITES: 19-001422,19-001990,19-002039

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3784 **DATE:** 1992 **PAGES:** 13

AUTHOR: Norwood, Richard H.

FIRM:

TITLE: Phase I Cultural Resource Investigation for Amargosa Creek Channelization Project, Avenue L
to Avenue K-8 and 10th Street West, Lancaster, Los Angeles County California

AREA: 26 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3894

DATE: 1979

PAGES: 356

AUTHOR: Stickel, Gary E.

FIRM:

TITLE: An Overview of the Cultural Resources of the Western Mojave Desert

AREA: 2.35 million ac

SITES: 19-000077,19-000192,19-000239,19-000296,19-000297,19-000298,19-000305,19-000483,19-000484,19-000485,19-000486,19-000488,19-000679,19-000714,19-000716,19-000720,19-000721,19-000764,19-000765,19-000767,19-000770,19-000771,19-000772,19-000787,19-000788
19-000828

QUADNAME: Liegre Mt,Love Butts,Palmdale,Juniper Hills,Burnt Peak,Fairmont Butte,Rosamond,Rosamond L

MEMO:

IC ID#: LA4472

DATE: 1985

PAGES: 9

AUTHOR: Robinson, R.W.

FIRM: R.W. Robinson

TITLE: Cultural Resources Investigation Re: Approximately Eleven Acres near Division Street and Milling Street, Lancaster, California

AREA: 11 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA5317

DATE: 2000

PAGES: 23

AUTHOR: Wlodarski, Robert J.

FIRM: HEART

TITLE: A Phase I Archaeology Study for Design Services Los Angeles County Waterworks District No. 40 31,000 Feet of New Transmission Pipeline Along Avenue K Transmission Main Phases I, II, III, and IV Antelope Valley, County of Los Angeles, California

AREA: 5 li mi

SITES: 19-001526, 19-001527

QUADNAME: Lancaster West

MEMO:

IC ID#: LA5794

DATE: 2002

PAGES: 9

AUTHOR: Duke, Curt

FIRM: LSA

TITLE: Cultural Resource Assessment AT&T Wireless Services Facility No. D062A Los Angeles County, California

AREA: .25 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA5796 **DATE:** 2001 **PAGES:** 28

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Phase I Cultural Resource Investigation for Tentative Tract 53445 Lancaster, Los Angeles County, California

AREA: 65.79 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA5798 **DATE:** 2001 **PAGES:** 7

AUTHOR: Duke, Curt

FIRM: LSA

TITLE: Cultural Resources Assessment Cingular Wireless Facility No. VY 153-01 Los Angeles County, California

AREA: .25 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA5898 **DATE:** 1999 **PAGES:** 27

AUTHOR: Anonymous

FIRM: W & S Consultants

TITLE: Phase I Archaeological Survey of the Lancaster Retail Site, City of Lancaster, Los Angeles County, California

AREA: 36 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6070 **DATE:** 2001 **PAGES:** 4

AUTHOR: Sylvia, Barbara

FIRM: Caltrans District 7

TITLE: Highway Project to install a double thrie beam barrier in the median of State Route 14 from the Avenue L Overcrossing to the Avenue I Undercrossing

AREA: 111 limi

SITES: none

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6072 **DATE:** 2001 **PAGES:** 25

AUTHOR: Scheinbach, Elizabeth

FIRM: GeoTrans, Inc.

TITLE: AT & T Antenna Facility D430-Quartz Hill, 3800 Camino Hermanos, Lancaster, California

AREA: .25 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6618 **DATE:** 2003 **PAGES:** 63

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phast I Cultural Resources Investigation for the Terrain Enterprises Property, Approximately 18 Acres in the City of Lancaster, Los Angeles County, CA

AREA: 18 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6619 **DATE:** 2003 **PAGES:** 62

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resources Investigation for the Terrain Enterprises Property, Approximately 25 Acres in the City of Lancaster, Los Angeles County, CA

AREA: 25 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

IC ID#: LA6621 **DATE:** 2003 **PAGES:** 70

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resources Investigation for the Sayani Property, 50 Acres in the City of Lancaster, Los Angeles County, CA

AREA: 50 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

IC ID#: LA6639 **DATE:** 2003 **PAGES:** 10

AUTHOR: Harper, Caprice D. (Kip)

FIRM: LSA Associates, Inc.

TITLE: Cultural Resource Assessment Cingular Wireless Facility No. VY 289-03 Lancaster, Los Angeles County, CA

AREA: .25 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6645 **DATE:** 2003 **PAGES:** 59

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I cultural Resources Investigation for the Sayani Property, Approximately 19 Acres in the City of Lancaster, Los Angeles County, CA

AREA: 19 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

IC ID#: LA6935 **DATE:** 2003 **PAGES:** 70

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resources Investigation for the Sayani Property Located Near 60th Street West and Avenue K-8, in the City of Lancaster, Los Angeles County, California

AREA: 30 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA7292 **DATE:** 2005 **PAGES:** 15

AUTHOR: Turner, Robin B.

FIRM: ArchaeoPaleo Resource Management Inc.

TITLE: Phase I Cultural Resource Investigation For A 15 Acre Parcel In Southwest Lancaster, Los Angeles County, California

AREA: 15 ac

SITES:

QUADNAME: Del Sur, Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1063 **DATE:** 1981 **PAGES:** 100

AUTHOR: Greenwood, Roberta

FIRM: Greenwood and Associates

TITLE: Cultural Resources Management Plan for Edwards Air force Base

AREA:

SITES: 19-000769,19-000828,19-000863,19-00067,19-001100,19-001103,19-001155,19-001158,19-001164,19-001190,19-001240,19-001276,19-001282,19-001292,19-001295,19-001296,19-001316,19-001321,19-001329,19-001385H,19-001386H,19-001387H,19-001394H

QUADNAME: Rogers Lake, Redman

MEMO:

IC ID#: LA1761 **DATE:** 1989 **PAGES:** 18

AUTHOR: Norwood, Richard H.

FIRM: RT Faactfinders

TITLE: Cultural Resource Survey for GPA 88-48 Lancaster, California

AREA: 29 ac

SITES: 19-001527H

QUADNAME: Lancaster East

MEMO:

IC ID#: LA1763 **DATE:** 1989 **PAGES:** 15

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Cultural Resource Survey for GPA 88-29 Lancaster, California

AREA: 19 ac

SITES: 19-001527H

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1801 **DATE:** 1989 **PAGES:** 85

AUTHOR: Norwood, Richard H.

FIRM: Edwards AFB

TITLE: Cultural Resource Survey for South Piute Ponds Expansion Plan 2

AREA: 420 ac

SITES: 19-001464H

QUADNAME: Rosamond
Rosamond Lake

MEMO:

IC ID#: LA1955 **DATE:** 1979 **PAGES:** 109

AUTHOR: Greenwood, Roberta, Michael J. McIntyre, Roger G. Hatheway, Lowell John Bean and Sylvia

FIRM: Greenwood and Associates

TITLE: Research Design for the Preparation of Cultural Resources Overview, Edwards Air force Base

AREA:

SITES: 19-000673,19-000769,19-000828,19-000863,19-001067

QUADNAME:

MEMO:

IC ID#: LA1957 **DATE:** 1990 **PAGES:** 19

AUTHOR: Love, Bruce

FIRM: Pyramid Archaeology

TITLE: Cultural Resources Investigation for Lancaster Business Park Lancaster, California

AREA: 160 ac

SITES: 19-001422H

QUADNAME: Lancaster East
Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1967 **DATE:** 1989 **PAGES:** 120

AUTHOR: Wade, Sue A., and Susan M. Hector

FIRM: Recon

TITLE: Archaeological Testing and National Register Evaluation of Site LAN-1316 Edwards Airforce Base California

AREA:

SITES: 19-00-1316

QUADNAME: Rosamond

MEMO:

IC ID#: LA1989 **DATE:** 1976 **PAGES:** 25

AUTHOR: Eggers, A. V.

FIRM:

TITLE: Report on Cultural Resource Survey Conducted for the U.S. Army Corps of Engineers and for the Proposed Route for the Overland Transport of the Space Shuttle Orbiter From Air Force Plant No 42 To Dryden Flight Research Center

AREA: 4 li mi

SITES: None

QUADNAME: Rosamond

Rosamond Lake

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA220

DATE: 1976

PAGES: 5

AUTHOR: Ivie, Pamela J.

FIRM: University of California Los Angeles Archaeological Survey

TITLE: An Environmental Impact Report: Assessment of the Impact on Archaeological Resources of the Los Angeles County Sanitation Districts Proposed Storage Pond for Secondary Effluent Disposal for District 14 Water Renovation Plant Antelope Valley, California.

AREA:

SITES: 19-001404H

QUADNAME: Rosamond Lake

MEMO:

IC ID#: LA2322

DATE: 1991

PAGES: 100

AUTHOR: Wessel, Richard L.

FIRM: Computer Sciences Corporation

TITLE: Environmental Planning and Analysis Program Historic Resource Overview and management Plan Volume II: Historic Overview and management Plan Volume II: Historic Overview

AREA:

SITES: None

QUADNAME: ROSAMOND

ROSAMOND LAKE

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2385 **DATE:** 1991 **PAGES:** 14
AUTHOR: Norwood, Richard H.
FIRM: RT Factfinders
TITLE: Phase I Cultural Resource Investigation for Tentative Tract No. 49808: 10 Acres Near Lancaster, Los Angeles County, California.
AREA:
SITES: None

QUADNAME: ROSAMOND LAKE
MEMO:

~~**IC ID#:** LA2399 **DATE:** 1978 **PAGES:** 185
AUTHOR: Wwinman, Lois J. and E. Gary Stiekel
FIRM:
TITLE: Los Angeles-Long Beach Harbor Areas Cultural Resource Survey.
AREA:
SITES: Harbor Area Historic~~

~~**QUADNAME:** Torrance
SAN PEDRO *R*
MEMO:~~

TYPO

IC ID#: LA2599 **DATE:** 1992 **PAGES:** 30
AUTHOR: Singer, Clay A. and John E. Atwood
FIRM: C. A. SINGER AND Associates
TITLE: Cultural Resources Survey and Impact Assessment for Tentative Tract No. 50734, a 140 Acre Parcel Near Rosamond in Northern Los Angeles County, California
AREA:
SITES: 19-002032,19-002033

QUADNAME: Rosamond
MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2635

DATE: 1992

PAGES: 25

AUTHOR: Singer, Clay A., John E. Atwood and Barbie S. Laney

FIRM: SINGER AND Associates, INC.

TITLE: Cultural Resources Survey and Impact Assessment for the Lancaster Water Reclamation Plant Stage IV Expansion, Los Angeles County, California.

AREA:

SITES: None

QUADNAME: Rosamond

MEMO:

IC ID#: LA2646

DATE: 1992

PAGES: 14

AUTHOR: NORWOOD, RICHARD H.

FIRM:

TITLE: Phase I Cultural Resource Investigation for Tentative Minor Land Division Map No. 23370 Antelope Valley Los Angeles County, California

AREA:

SITES: None

QUADNAME: Rosamond

MEMO:

IC ID#: LA265

DATE: 1977

PAGES: 7

AUTHOR: Sutton, Mark Q.

FIRM:

TITLE: Report on the Cultural Resources of the New Borrow Area Los Angeles County Sanitation District 14 County Sanitation District 14

AREA:

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2746 **DATE:** 1992 **PAGES:** 26

AUTHOR: NORWOOD, RICHARD H.

FIRM: RT FACTFINDERS

TITLE: Phase I Cultural Resource Investigation for Tentative Tract No. 51296 and APN 3116-20-02
Two Parcels Near Lancaster, Los Angeles County California

AREA: 105 ac

SITES: CA-LAN-2083/H, LAN-2084, LAN-2085H

QUADNAME: Rosamond

MEMO:

IC ID#: LA3222 **DATE:** 1995 **PAGES:** 136

AUTHOR: GUERRERO, KYLE M., DENA S. HOMPORLIDES

FIRM: Tetra Tech, Inc.

TITLE: Research Design for Cultural Resources Investigations of 10 Desert Homesteads, Edwards Air
Force Base, California

AREA:

SITES: CA-LAN-1408H, LAN-1473H, LAN-1492H, LAN-1557H, LAN-
1800H, LAN-2092H

QUADNAME: Rosemond Lake

Redman

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3838

DATE: 1980

PAGES: 13

AUTHOR: Clewlow, C. William

FIRM: Ancient Enterprises, Inc.

TITLE: Archaeological Assessment for Reservoir and Disposal Sites for Palmdale and Lancaster Water Reclamation Plants

AREA: 400 ac

SITES: None

QUADNAME: Rosamond,Palmdale

MEMO:

IC ID#: LA385

DATE: 1977

PAGES: 70

AUTHOR: Sutton, Mark Q., and R. W. Robinson

FIRM:

TITLE: Final Report on the Mitigation Procedures for the Cultural Resources on the Space Shuttle Transport Road

AREA:

SITES: CA-LAN-714, LAN-716, KER-487, KER-505

QUADNAME: ROSAMOND

ROSAMOND LAKE

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3878

DATE: 1996

PAGES: 307

AUTHOR: Dowell, Christopher

FIRM: Environmental Services Dept

TITLE: Phase I Cultural Resources Inventory for Major Roads, Edwards AFB, Kern, Los Angeles, and San Bernardino Counties, Ca.

AREA: 4,735.8 ac

SITES: 19-000714,19-000715,19-000716,19-000787, 19-001502, 19-001565, 19-001844, 19-002031, 19-002180, 19-000720, 19-001101, 19-001102, 19-001294, 19-001308, 19-001480, 19-001511, 19-001512, 19-002243, 19-002244, 19-002255, 19-002256, 19-000863, 19-001185,...

QUADNAME: Redman, Rogers Lake South and North, Rosamond, Rosamond Lake

MEMO: Numerous resources in other counties.

IC ID#: LA3894

DATE: 1979

PAGES: 356

AUTHOR: Stickel, Gary E.

FIRM:

TITLE: An Overview of the Cultural Resources of the Western Mojave Desert

AREA: 2.35 million ac

SITES: 19-000077,19-000192,19-000239,19-000296,19-000297,19-000298,19-000305,19-000483,19-000484,19-000485,19-000486,19-000488,19-000679,19-000714,19-000716,19-000720,19-000721,19-000764,19-000765,19-000767,19-000770,19-000771,19-000772,19-000787,19-000788
19-000828

QUADNAME: Liegre Mt,Love Butts,Palmdale,Juniper Hills,Burnt Peak,Fairmont Butte,Rosamond,Rosamond L

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA4008 **DATE:** 1996 **PAGES:** 220

AUTHOR: Unknown

FIRM: Science Applications Internatinal Corporation

TITLE: Cultural Resources Investigation Pacific Pipeline Emidio Route

AREA: 70 li mi

SITES:

QUADNAME: Ritter Ridge,Sleepy Valley,Agua Dulce,Oat Mountain,Rosemond,Lancaster West, Lancaster East

MEMO:

IC ID#: LA4098 **DATE:** 1995 **PAGES:** 22

AUTHOR: Bock, Robert L.

FIRM: Computer Services Corporation

TITLE: Phase I Cultural Resource Inventory for the Proposed Vegetation Control/Removal at Piute Ponds at Edwards AFB, Kern County, California

AREA: 18.6 ac

SITES: 19-001466,19-002269

QUADNAME: Rosamond Lake

MEMO:

IC ID#: LA440 **DATE:** 1978 **PAGES:** 106

AUTHOR: SUTTON, MARK Q.

FIRM: EDWARDS AIR FORCE BASE

TITLE: Project Specific Cultural Resource Survey Reports: A Compendium From Edwards Air Force Base December 1976 and December 1977

AREA: 321 ac

SITES: CA-LAN-720 LAN-769,LAN-771,LAN-828

QUADNAME: REDMAN

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA4545

DATE: 1980

PAGES: 485

AUTHOR: Greenwood, Roberta and Charles Forbes and Paul Sonnenfeld and Roger Hatheway and Gary

FIRM: Greenwood and Associates

TITLE: Cultural Resources Overview for Edwards Air force Base Volume 1 Presented in Partial Fulfillment of ConTract F0470079C0073, Work Performed Under Antiquities Act Permit 80/CA-NV/012

AREA: None

SITES: 19-100270,19-100271,19-100272,19-100273,19-100274,19-100275,19-100282,19-100283,19-100284,19-100285,19-100286,19-100287,19-100288,19-100289,19-100290,19-100291

QUADNAME: Redman

MEMO: Vol. 3 needed, site forms

IC ID#: LA4744

DATE: 1999

PAGES: 7

AUTHOR: Duke, Curt

FIRM: LSA

TITLE: Cultural Resource Assessment for the AT&T Wireless Services Facility Number C576.2, County of Los Angeles, California

AREA: 1 ac

SITES: none

QUADNAME: Rosamond

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA572 **DATE:** 1988 **PAGES:** 275

AUTHOR: Hector, Susan M.

FIRM:

TITLE: Cultural Resource Investigation for the FARM DROP Zone EDWARDS
AIR for CE BASE CALIFORNIA

AREA:

SITES: CA-LAN-769, LAN-770, LAN-771, LAN-772, LAN-773,
CA-LAN-828, LAN-1158, LAN-1240, LAN-1398H, LAN-1440H
CA-LAN-1438, LAN-1439H, LAN-1441H

QUADNAME: Redman

MEMO:

IC ID#: LA606 **DATE:** 1979 **PAGES:** 3

AUTHOR: Robinson, R. W.

FIRM:

TITLE: Cultural Resources Investigation

AREA: 120 ac

SITES: ISOLATE

QUADNAME: ROSAMOND

ROSAMOND LAKE

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6604 **DATE:** 1993 **PAGES:** 21

AUTHOR: Knight, Albert

FIRM: Albert Knight (Western Mojave Survey Association)

TITLE: Rock Art of the Western Mojave Desert: A Reevaluation

AREA: Unknown

SITES: 19-000298,19-000447,19-000773,19-000484,19-000721,19-000947,19-000959,19-001035,19-000305,19-001731,19-001789H

QUADNAME: Lake Hughes,Farmont Butte,Valermo,Redman,Ritter Ridge,Palmdale,High Vista

MEMO: No map, mapped to sites, other sites listed CA-KER-130,CA-KER-129,CA-KER-137,CA-KER-2

IC ID#: LA6622 **DATE:** 2003 **PAGES:** 17

AUTHOR: Archer, Gavin H., Marian L. Kearin

FIRM: The Keith Companies

TITLE: Cultural Resource Inventory and Paleontological Assessment Vesting Tentative Tract Map
53297 City of Lancaster, CA

AREA: 70.52 ac

SITES: None

QUADNAME: Lancaster East

MEMO: 19-001427,19-001526H,19-001527H,19-002166H are in area nearby

IC ID#: LA6623 **DATE:** 2002 **PAGES:** 14

AUTHOR: Duke, Curt

FIRM: LSA Associates, Inc.

TITLE: Cultural Resource Assessment Cingular Wireless Facility No. VY 289-01 Los Angeles County,
CA

AREA: .25 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1762 **DATE:** 1989 **PAGES:** 15

AUTHOR: Norwood, Richard H.

FIRM: Cultural Resource Management

TITLE: Cultural Resource Survey for GPA 88-38 Lancaster, California

AREA: 19 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA1833 **DATE:** 1989 **PAGES:** 8

AUTHOR: Romani, Gwendolyn R.

FIRM: Greenwood and Associates

TITLE: Cultural Resource Investigation: Hasibi Auto Dealership, City of Lancaster

AREA: 10 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA187 **DATE:** 1988 **PAGES:** 14

AUTHOR: Love, Bruce

FIRM: Pyramid Archaeology

TITLE: Archaeology Report for the City of Lancaster Prime Desert Woodlands Project

AREA:

SITES: Isolated prehistoric flakes

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1906 **DATE:** 1989 **PAGES:** 11

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Cultural Resource Survey for GPA 88-16 Lancaster, California

AREA: 10 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA1919 **DATE:** 1989 **PAGES:** 14

AUTHOR: Singer, Clay A. and John E. Atwood

FIRM: Singer & Associates, Inc.

TITLE: Cultural Resources Survey and Impact Assessment for Four Properties Near Lancaster (GPA Group 1), Los Angeles County, California.

AREA: 57 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2033 **DATE:** 1975 **PAGES:** 16

AUTHOR: Eggers, A. V.

FIRM: University of California Los Angeles Archaeological Survey

TITLE: Zone Change Case No. 6102-(5) Draft Environmental Impact Report

AREA: 4 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2063

DATE: 1990

PAGES: 16

AUTHOR: Singer, Clay A. and John E. Atwood

FIRM: Singer & Associates

TITLE: Cultural Resources Survey and Impact Assessment for Four Properties in the City of Lancaster, Los Angeles County, California.

AREA: 114 ac

SITES: None

QUADNAME: Del Sur

Lancaster West

MEMO:

IC ID#: LA238

DATE: 1976

PAGES: 13

AUTHOR: Robinson, R. W.

FIRM: Archaeological Impact Services

TITLE: Draft Environmental Impact Report for Zone Change 6118 and Tentative Tracts No. 32940 and 31611 Appendix A

AREA:

SITES: None

QUADNAME: LANCASTER WEST

DEL SUR

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2539

DATE: 1991

PAGES: 20

AUTHOR: CAMPBELL, MARK

FIRM: Campbell Research

TITLE: Archaeological Reconnaissance Report for the Villa West Townhomes, Lancaster, California.

AREA:

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2743

DATE: 1992

PAGES: 17

AUTHOR: NORWOOD, RICHARD H.

FIRM: RT FACTFINDERS

TITLE: Phase I Cultural Resource Investigation for a .5 Acre Parcel in Quartz Hill Los Angeles County California

AREA: 1 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2805

DATE: 1993

PAGES: 21

AUTHOR: NORWOOD, RICHARD H.

FIRM: RT FACTFINDERS

TITLE: Phase I Cultural Resource Investigation for Tentative Tract No's. 49830 and 49831 Lancaster, Los Angeles County, California

AREA: 55 ac

SITES: CA-LAN-2091H, LAN-2099/H

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2963 **DATE:** 1993 **PAGES:** 27

AUTHOR: Campbell, Mark

FIRM: Campbell Research

TITLE: Cultural Resources Inventory for an Approximate 1 Acre Parcel Located at 43807 and 43817
10th Street West in the City of Lancaster, Los Angeles County, California.

AREA: 1 ac

SITES:

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3016 **DATE:** 1994 **PAGES:** 14

AUTHOR: Love, Bruce

FIRM: CRM Tech

TITLE: Cultural Resources Records Search, Survey, and Monitoring

AREA: 2 ac

SITES:

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3074 **DATE:** 1993 **PAGES:** 98

AUTHOR: NORWOOD, RICHARD

FIRM: RT Factfinders

TITLE: Phase II Cultural Resource Investigation for Sites A-LAN-2099/H and CA-LAN-2091H
Tentative Tract No. 49830 Lancaster, Los Angeles County California

AREA: 2 ac

SITES: CA-LAN-2091H, LAN-2099/H

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3109

DATE: 1994

PAGES: 22

AUTHOR: LOVE, BRUCE, AMY GRAHAM, AND BAI

FIRM: CRM Tech

TITLE: Cultural Resources Testing and Demolition Monitoring McClaskey Motors Lancaster, California

AREA:

SITES: CA-LAN-2215H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3334

DATE: 1996

PAGES: 7

AUTHOR: Maki, Mary K.

FIRM: Fugro West, Inc

TITLE: Negative Phase I Archaeological Survey of 4.1 Acres at Quartz Hill Basin, Los Angeles County, California

AREA: 4.1 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3607

DATE: 1997

PAGES: 51

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Phase I Cultural Resource Investigation for the Antelope Valley Hospital Property: Lancaster, Los Angeles County California

AREA: 40 ac

SITES: 19-000486,19-002533 19-100193,19-002540,19-002539,19-002538

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3894

DATE: 1979

PAGES: 356

AUTHOR: Stickel, Gary E.

FIRM:

TITLE: An Overview of the Cultural Resources of the Western Mojave Desert

AREA: 2.35 million ac

SITES: 19-000077,19-000192,19-000239,19-000296,19-000297,19-000298,19-000305,19-000483,19-000484,19-000485,19-000486,19-000488,19-000679,19-000714,19-000716,19-000720,19-000721,19-000764,19-000765,19-000767,19-000770,19-000771,19-000772,19-000787,19-000788
19-000828

QUADNAME: Liegre Mt,Love Butts,Palmdale,Juniper Hills,Burnt Peak,Fairmont Butte,Rosamond,Rosamond L

MEMO:

IC ID#: LA4008

DATE: 1996

PAGES: 220

AUTHOR: Unknown

FIRM: Science Applications Internatinal Corporation

TITLE: Cultural Resources Investigation Pacific Pipeline Emidio Route

AREA: 70 li mi

SITES:

QUADNAME: Ritter Ridge,Sleepy Valley,Agua Dulce,Oat Mountain,Rosemond,Lancaster West, Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA4243 **DATE:** 1998 **PAGES:** 7

AUTHOR: Maki, Mary K.

FIRM: Conejo Archaeological Consultants

TITLE: Negative Phase I Archaeological Survey and Impact Assessment of 4.62 Acres for the Mayflower Garden Project No. HMD001, Lancaster, Los Angeles County, California

AREA: 4.62 ac

SITES: None

QUADNAME: Lancaster, Del Sur

MEMO:

IC ID#: LA4391 **DATE:** 1999 **PAGES:** 8

AUTHOR: Maki, Mary

FIRM: Conejo Archaeological Consultants

TITLE: Negative Phase I Archaeological Survey and Impact Assessment of 10,250 Linear Feet for the DWP Quartz Hill Basin Project Quartz Hill, Los Angeles County, California

AREA: .25 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA4392 **DATE:** 1998 **PAGES:** 18

AUTHOR: King, Chester

FIRM: Topanga Anthropological Consultants

TITLE: Archaeological Reconnaissance for the 10th Street West Transmission Main Lancaster, Los Angeles County, California.

AREA: 22,150 li ft

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA4393 **DATE:** 1998 **PAGES:** 12

AUTHOR: Singer, Clay

FIRM: C.A. Singer & Associates, Inc.

TITLE: Cultural Resources survey and impact assessment for a commercial property at the intersection of Avenue M and Sierra Highway in the City of Lancaster, Los Angeles County, California.

AREA: 1 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6068 **DATE:** 2000 **PAGES:** 10

AUTHOR: Duke, Curt

FIRM: LSA Associates, Inc.

TITLE: Cultural Resource Assessment for Pacific Bell Mobile Services Facility LA 351-01, in the County of Los Angeles, California

AREA: .25 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6623 **DATE:** 2002 **PAGES:** 14

AUTHOR: Duke, Curt

FIRM: LSA Associates, Inc.

TITLE: Cultural Resource Assessment Cingular Wireless Facility No. VY 289-01 Los Angeles County, CA

AREA: .25 ac

SITES: None

QUADNAME: Lancaster East

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6624 **DATE:** 2003 **PAGES:** 77

AUTHOR: McKenna, Jeanette, R. Charles Ferguson.

FIRM: McKenna et al.

TITLE: A Phase 1 Cultural Resources Investigation for the Forecast Homes Property (66 Acres) in the City of Lancaster, Los Angeles County, CA

AREA: 66 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6625 **DATE:** 2001 **PAGES:** 17

AUTHOR: Budinger, Fred. E., Jr.

FIRM: Tetra Tech, Inc.

TITLE: Verizon Wireless, Inc. Proposal for Installation of an Unmanned Cellular Telecommunications Facility at 43011 10th Street West, Lancaster, CA

AREA: .25 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6629 **DATE:** 2002 **PAGES:** 17

AUTHOR: Morrill, David L.

FIRM: C.A. Singer & Associates, Inc.

TITLE: Cultural Resources Survey and Impact Assessment for a 5.5 Acre Commercial Property on Avenue J-8 in the City of Lancaster, Los Angeles County, CA

AREA: 5.5 ac

SITES: None

QUADNAME: Lancaster West

MEMO: (APN 3123-002-036/044)

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6631 **DATE:** 2000 **PAGES:** 15

AUTHOR: Duke, Curt

FIRM: LSA Associates, Inc. (LSA)

TITLE: Cultural Resource Assessment for Pacific Bell Mobile Services Facility LA 965-12, County of Los Angeles, CA

AREA: .25 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6632 **DATE:** 2003 **PAGES:** 63

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resources Investigation for the Sayani Property, 5 Acres in the City of Lancaster, Los Angeles County, CA

AREA: 5 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6633 **DATE:** 2003 **PAGES:** 36

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: Addendum Report: A Phase I Cultural Resources Investigation for the Pacific Lane Company Property (APN 3204-009-011), in the City of Lancaster, Los Angeles County, CA

AREA: 10 ac

SITES: None

QUADNAME: Lancaster West

MEMO: Outside one mile boundary are sites; 19-002091H,19-002099H,19-002885,19-100419,19-10031

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6634

DATE: 2003

PAGES: 67

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resources Investigation for the Sayani Property, 22 Acres in the City of Lancaster, Los Angeles County, CA

AREA: 22 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6636

DATE: 2003

PAGES: 61

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resources Investigation for the Pacific Land Company Property (Tract 53642) in the City of Lancaster, Los Angeles County, CA

AREA: 30 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6637

DATE: 2003

PAGES: 72

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resources Investigation of 18 Parcels in the City of Lancaster, Los Angeles County, CA

AREA: 92.5 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6881 **DATE:** 1998 **PAGES:** 5

AUTHOR: McLean, Deborah H.

FIRM: LSA Associates, Inc. (LSA)

TITLE: Cultural Resource Assessment Survey for the 10th Street West 30 Inch Pipeline Project in the City of Lancaster, County of Los Angeles, California

AREA: 2 limi

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6882 **DATE:** 2003 **PAGES:** 69

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase 1 Cultural Resources Investigation for the Sayani Property, APNs 3203-031-003, 3203-031-010, and 3203-031-011 in the City of Lancaster, Los Angeles County, California

AREA: 7.5 ac

SITES: None

QUADNAME: Lancaster West

MEMO: 19-000764,19-002009 (historic sites),19-002091H,19-002885H,19-002886H,19-002887H,19-00

IC ID#: LA890 **DATE:** 1980 **PAGES:** 9

AUTHOR: Dillon, Brian D.

FIRM: BRIAN DILLON,

TITLE: An ARCHAEOLOGICAL Resource Survey and Impact Assessment of TENTATIVE TRACT 39450, Los Angeles County, CALIFORNIA.

AREA: 40 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA131

DATE: 1988

PAGES: 17

AUTHOR: Gerry, Robert

FIRM:

TITLE: Cultural Resource Assessment of the Proposed California State Prison, Lancaster, Los Angeles County, California

AREA: 1240 ac

SITES: 19-0001412

QUADNAME: Lancaster West

MEMO:

IC ID#: LA1813

DATE: 1984

PAGES: 17

AUTHOR: Robinson, R. W.

FIRM:

TITLE: Cultural Resources Investigation RE: Forty-Eight Acres Located Near 15TH Street West and Avenue J-8 Submitted To The City of Lancaster

AREA: 48 ac

SITES: 19-000485,19-000486

QUADNAME: Lancaster West

MEMO:

IC ID#: LA1814

DATE: 1988

PAGES: 7

AUTHOR: Robinson, R. W.

FIRM:

TITLE: A Cultural Resources Investigation of 50 Acres Located Within the City of Lancaster, Los Angeles County

AREA: 50 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1917 **DATE:** 1989 **PAGES:** 18

AUTHOR: Singer, Clay A. and John E. Atwood

FIRM: Singer & Associates

TITLE: Cultural Resources Survey and Impact Assessment for Six Properties Near Lancaster (GPA Group), Los Angeles County, California.

AREA: 255 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2479 **DATE:** 1991 **PAGES:** 18

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Phase I Cultural Resource Investigation for Tentative Map Tract No. 49531 30.2 Acres in Los Angeles County Near Lancaster, California

AREA:

SITES: 19-001995H,19-001996H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2574 **DATE:** 1988 **PAGES:** 55

AUTHOR: SUTTON, MARK Q.

FIRM: Coyote Press

TITLE: An Introduction to the Archaeology of the Western Mojave Desert, California

AREA:

SITES: 19-000192,19-000298,19-000487,19-000488,19-000765,19-000767,19-000828,19-001103

QUADNAME: Burnt Peak

Fairmont Butte

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2917 **DATE:** 1993 **PAGES:** 19

AUTHOR: WHITNEY DESAUTELS, NANCY A.

FIRM: Scientific Resource Surveys, Inc.

TITLE: Cultural Resources Assessment of the General William J. Fox Airfield Runway Extension Project, Lancaster, Los Angeles County, California

AREA: 120 ac

SITES:

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2954 **DATE:** 1993 **PAGES:** 13

AUTHOR: MCINTYRE, MICHAEL

FIRM: Angeles National Forest

TITLE: Fox Field Air Tanker Base Modification, Los Angeles County

AREA: 5 ac

SITES:

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3065 **DATE:** 1994 **PAGES:** 117

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders

TITLE: Phase II Cultural Resource Investigation for CA-LAN-2199H: A 1920s Era Trash Deposit in Lancaster Proposed Avenue H Loop Road Los Angeles County California

AREA:

SITES: CA-LAN-2199H

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3067 **DATE:** 1994 **PAGES:** 8

AUTHOR: Richard H. Norwood

FIRM: RT Factfinders

TITLE: Cultural Resource Monitoring for Sewer Improvements in Trevor Avenue and Avenue H-6
Assessment District 93-3 Lancaster, Los Angeles County California

AREA: 7 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3109 **DATE:** 1994 **PAGES:** 22

AUTHOR: LOVE, BRUCE, AMY GRAHAM, AND BAI

FIRM: CRM Tech

TITLE: Cultural Resources Testing and Demolition Monitoring McClaskey Motors Lancaster, California

AREA:

SITES: CA-LAN-2215H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3210 **DATE:** 1995 **PAGES:** 27

AUTHOR: BRUCE LOVE

FIRM: CRM Tech

TITLE: Cultural Resources Report Honda Motors Demolition Project City of Lancaster, Los Angeles
County, California

AREA: 1 ac

SITES:

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3238 **DATE:** 1995 **PAGES:** 15

AUTHOR: NORWOOD, RICHARD H.

FIRM: RT Factfinders

TITLE: Phase I Cultural Resource Investigation for Lancaster Korean Sa-Rang Church Lancaster, Los Angeles County California

AREA: 5 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3305 **DATE:** 1996 **PAGES:** 19

AUTHOR: Love, Bruce

FIRM: CRM Tech

TITLE: Cultural Resources Report: California Veterans Home Project

AREA: 20

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3321 **DATE:** 1995 **PAGES:** 37

AUTHOR: Love, Bruce, Tang, Bai, Norwood Richard

FIRM: CRM Tech

TITLE: Mitigation of Impacts to Archaeological Remains McClaskey Motors

AREA:

SITES: 19-002215

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3664

DATE: 1993

PAGES: 11

AUTHOR: Milburn, Doug

FIRM: USFS

TITLE: Archaeological Reconnaissance Report Fox Field Air Tanker Base Modification, Los Angeles County

AREA: 34 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3894

DATE: 1979

PAGES: 356

AUTHOR: Stickel, Gary E.

FIRM:

TITLE: An Overview of the Cultural Resources of the Western Mojave Desert

AREA: 2.35 million ac

SITES: 19-000077,19-000192,19-000239,19-000296,19-000297,19-000298,19-000305,19-000483,19-000484,19-000485,19-000486,19-000488,19-000679,19-000714,19-000716,19-000720,19-000721,19-000764,19-000765,19-000767,19-000770,19-000771,19-000772,19-000787,19-000788
19-000828

QUADNAME: Liegre Mt,Love Butts,Palmdale,Juniper Hills,Burnt Peak,Fairmont Butte,Rosamond,Rosamond L

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA4394 **DATE:** 1999 **PAGES:** 30

AUTHOR: Love, Bruce & Tang, Bai

FIRM: CRM Tech

TITLE: Cultural Resources Evaluation the 50th District Agricultural Association Fairgrounds 155 East Ave I, City of Lancaster Los Angeles County, California

AREA: 80 ac

SITES: 19-180627-36

QUADNAME: Lancaster East, Lancaster West

MEMO:

IC ID#: LA4904 **DATE:** 2000 **PAGES:** 22

AUTHOR: Love, Bruce

FIRM: CRM Tech

TITLE: Historical/Archaeological Resources Survey Report

AREA: 480

SITES: none

QUADNAME: Los Angeles, Del Sur, Lancaster West

MEMO:

IC ID#: LA5316 **DATE:** 2000 **PAGES:** 18

AUTHOR: Love, Bruce

FIRM: CRM Tech.

TITLE: Identification and Evaluation of Historic Properties Antelope Valley Transit Authority Transportation Facility: City of Lancaster Los Angeles County, California

AREA: 25 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA5317

DATE: 2000

PAGES: 23

AUTHOR: Wlodarski, Robert J.

FIRM: HEART

TITLE: A Phase I Archaeology Study for Design Services Los Angeles County Waterworks District No. 40 31,000 Feet of New Transmission Pipeline Along Avenue K Transmission Main Phases I, II, III, and IV Antelope Valley, County of Los Angeles, California

AREA: 5 li mi

SITES: 19-001526, 19-001527

QUADNAME: Lancaster West

MEMO:

IC ID#: LA5318

DATE: 2001

PAGES: 26

AUTHOR: Norwood, Richard H.

FIRM: RT FactFinders

TITLE: PHASE I CULTURAL RESOURCE Investigation for TENTATIVE Tract Map NO. 53375 LANCASTER, LOS ANGELES COUNTY CALIFORNIA

AREA: 60 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA5320 **DATE:** 2000 **PAGES:** 13

AUTHOR: White, Robert S.; White, Laurie S.

FIRM: Archaeological Associates

TITLE: A Cultural Resources Assessment of Tentative Tract No. 53136, A 5.5+/- Acre Parcel Located Adjacent to 60th Street West, City of Lancaster, Los Angeles County

AREA: 5.5 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

IC ID#: LA5321 **DATE:** 2000 **PAGES:** 25

AUTHOR: Norwood, Richard H.

FIRM: RT FactFinders

TITLE: PHASE I CULTURAL RESOUCRE Investigation for 6.5 ACRES 15TH STREET WEST AND WEST AVENUE K-8, LACASTER, LOS ANGELES COUNTY CALIforNIA

AREA: 6.5 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

IC ID#: LA5322 **DATE:** 2000 **PAGES:** 34

AUTHOR: Norwood, Richard H.

FIRM: RT FactFinders

TITLE: PHASE I CULTURAL RESOURCE Investigation for A 60 ACRE PROPERTY 20TH STREET WEST AND WEST AVENUE G, LANCASTER, LOS ANGELES COUNTY, CALIforNIA

AREA: 60 ac

SITES: 19-001819, 19-100318

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA5323

DATE: 2000

PAGES: 40

AUTHOR: Norwood, Richard H.

FIRM: RT FactFinders

TITLE: PHASE I CULTURAL RESOURCE Investigation for A 200 ACRE PROPERTY "Parcel 3"
30TH STREET WEST AND WEST AVENUE g, LANCASTER, LOS ANGELES COUNTY
CALIforNIA

AREA: 200 ac

SITES: 19-100318, 19-100319, 19001819H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA5325

DATE: 2000

PAGES: 69

AUTHOR: Cotterman, Cary D.

FIRM: Tetra Tech, Inc.

TITLE: PHASE I ARCHAEOLOGY SURVEY AND HISTORIC STRUCTURE EVALUATIOn OF the
WELL 4-62 PROJECT AREA, LANCASTER LOS ANGELES COUNTY, CALIforNIA

AREA: <1 ac

SITES: none

QUADNAME: Lancaster East

Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA5799

DATE: 2001

PAGES: 70

AUTHOR: McKenna, Jeanette

FIRM: McKenna et al.

TITLE: City of Lancaster, Avenue G Improvements and Associated Elements

AREA: 4 li miles

SITES: 19-100408, 19-10049, 19-100410, 19-001819, 19-002823, 19-002824, 19-002825, 19-100318, 19-100219, 10-100411, 19-100412

QUADNAME: Lancaster West

MEMO:

IC ID#: LA5800

DATE: 2002

PAGES: 23

AUTHOR: Bruce Love, Bai "Tom" Hang, Michael Hogan, Adrian Sanchez Moreno

FIRM: CRM TECH

TITLE: Historical/Archaeological Resources Survey Report Carter Ranch Property 45635 North Sierra Highway, City of Lancaster, Los Angeles County, California

AREA: 80 ac

SITES: 19-002903H, 19-186680

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6067

DATE: 2000

PAGES: 9

AUTHOR: Miller, Wendy

FIRM: Phase I Environmental Services, Inc.

TITLE: National Environmental Policy Act (NEPA) land use screening for the proposed purchase of an existing 90-foot monopole tower within Los Angeles County, California located at 45333 North Trevor Avenue, Lancaster

AREA: .25 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6069

DATE: 2002

PAGES: 21

AUTHOR: Love, Bruce

FIRM: CRM TECH

TITLE: Historical/Archaeological Resources Survey Report 45007 North Elm Street, City of Lancaster in Los Angeles County, California

AREA: .4 ac

SITES: none

QUADNAME: Lancaster West

MEMO: Adobe house

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6073 **DATE:** 2002 **PAGES:** 9

AUTHOR: Duke, Curt

FIRM: LSA Associates, Inc.

TITLE: Cultural Resource Assessment AT & T Wireless Services Facility No. D 403C Los Angeles County, California

AREA: .25 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6627 **DATE:** 2002 **PAGES:** 25

AUTHOR: McKenna, Jeanette A., R. Charles Ferguson

FIRM: McKenna et al.

TITLE: A Class III Cultural Resources Investigation for the Proposed Lancaster Armory Near the William J. Fox Airfield, Lancaster, Los Angeles County, CA

AREA: 28 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6638 **DATE:** 2002 **PAGES:** 28

AUTHOR: Norwood, Richard H.

FIRM: RT Factfinders Cultural Resources

TITLE: Phase I Cultural Resource Investigation for 120 Acres Near General William J. Fox Airfield Avenue G and 50th Street West, Lancaster, Los Angeles County, CA

AREA: 120 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6640 **DATE:** 2003 **PAGES:** 53

AUTHOR: Lajoie, Glenn

FIRM: RBF Consulting

TITLE: Public Review Draft Environmental Impact Report North Downtown Neighborhood Revitalization/Transit Village Plan

AREA: 103 ac

SITES: None

QUADNAME: Lancaster West

MEMO: 19-186683 is within APE, Ten other preparers on page 11-1, See also report LA 6441

IC ID#: LA6641 **DATE:** 2003 **PAGES:** 61

AUTHOR: Tang, Bai, Michael Hogan

FIRM: CRM Tech

TITLE: Historical Resources Survey Report North Downtown Neighborhood Vision Plan City of Lancaster, Los Angeles County, CA

AREA: 110 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA760 **DATE:** 1979 **PAGES:** 13

AUTHOR: Sutton, Mark Q.

FIRM: PCAS

TITLE: ARCHAEOLOGY AT LAN-765: A SURFACE SITE IN the ANTELOPE VALLEY

AREA: 1 ac

SITES: CA-LAN-765

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA1713

DATE: 1988

PAGES: 8

AUTHOR: Romani, Gwendolyn R. and Roberta S. Greenwood

FIRM: Greenwood and Associates

TITLE: Cultural Resource Investigation Spears Manufacturing and Distribution Center, City of Lancaster

AREA: 40 ac

SITES: None

QUADNAME: Lancaster East

Lancaster West

MEMO:

IC ID#: LA1760

DATE: 1988

PAGES: 8

AUTHOR: Romani, Gwendolyn R., and Roberta S. Greenwood

FIRM: Greenwood and Associates

TITLE: Cultural Resources Investigation: BIF-Korea Manufacturing and Distribution Center, City of Lancaster

AREA: 40 ac

SITES: 19-001422H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2054

DATE: 1990

PAGES: 20

AUTHOR: Love, Bruce and William H. De Witt

FIRM: Pyramid Archaeology

TITLE: Cultural Resources Evaluation for Lancaster EIR Group 13 Lancaster, Los Angeles County

AREA: 448 ac

SITES: 19-001819H

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2140

DATE: 1989

PAGES: 5

AUTHOR: Alexander, Molly B.

FIRM:

TITLE: An Archaeological Investigation of A 448+/- Acre" Parcel in the City of Lancaster, Los Angeles County

AREA: 448 ac

SITES: 19-001819H in survey area, (not recorded in report)

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2423

DATE: 1991

PAGES: 5

AUTHOR: CampbellL, Mark

FIRM: Campbell Research

TITLE: A Visual Inspection of 21.5 Gross Acres Located Between Elm and Beech Avenues, North of Ave. I in the City of Lancaster, Revealed One Ground Stone Fragment and One

AREA:

SITES: Isolates

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2619

DATE: 1992

PAGES: 17

AUTHOR: NORWOOD, RICHARD H.

FIRM: RT FACTFINDERS

TITLE: Phase I Cultural Resource Investigation for the 8th Street West Drainage Channel, Lancaster, Los Angeles County California

AREA:

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2630 **DATE:** 1992 **PAGES:** 71

AUTHOR: NORWOOD, RICHARD H.

FIRM: NORWOOD, RICHARD H.

TITLE: Phase 1 and 2 Cultural Resource Investigation for the Shepard Machinery Expansion Project
Lancaster, Los Angeles County California

AREA:

SITES: 19-002016H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2808 **DATE:** 1993 **PAGES:** 87

AUTHOR: ALEXANDROWICZ, J. STEPHAN, SUSAN R. ALEXANDROWICZ, AND ANNE Q.

FIRM: Archaeological CONSULTING SERVICES

TITLE: Urban Historic Archaeological and Architectural Investigations for the Proposed Sheriff's Station,
City of Lancaster, County of Los Angeles, California

AREA: 7 ac

SITES:

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2935 **DATE:** 1993 **PAGES:** 88

AUTHOR: Anonymous

FIRM: Impact Sciences, Inc.

TITLE: Draft Environmental Impact Report Lancaster Sheriff Station Complex Lancaster, California

AREA: 5 ac

SITES:

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA2965 **DATE:** 1994 **PAGES:** 32
AUTHOR: Norwood, Richard H.
FIRM: RT Factfinders
TITLE: Phase I Cultural Resource Investigation for Assessment District 93-3 Lancaster, Los Angeles
County, California
AREA: 140 ac
SITES: CA-LAN-2183H, LAN-2184H, LAN-2185H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA2989 **DATE:** 1994 **PAGES:** 29
AUTHOR: Love, Bruce and Richard Norwood
FIRM: CRM Tech and RT Factfinders
TITLE: Cultural Resources Monitoring Block 11, Building Demolition Monitoring Lancaster, Los
Angeles County
AREA: 5 ac
SITES: CA-LAN-2171H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3012 **DATE:** 1994 **PAGES:** 28
AUTHOR: Norwood, Richard H.
FIRM: RT FactFinders
TITLE: Phase I Cultural Resource Investigation for Avenue H Loop Road Properties Lancaster, Los
Angeles County, California
AREA: 30 ac
SITES: CA-LAN-2199H

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3063 **DATE:** 1993 **PAGES:** 35

AUTHOR: Campbell, Mark

FIRM: Campbell Research

TITLE: Cultural Resources Inventory of Approximately 6 Acres Located Along Beech Ave Between Ave H-8 and Ave H-12 in the City of Lancaster, Los Angeles County, California

AREA: 6 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3088 **DATE:** 1994 **PAGES:** 52

AUTHOR: LOVE, BRUCE, AND JEANNETTE A. MCKENNA

FIRM: CRM Tech

TITLE: Cultural Resources Testing and Demolition Monitoring Sheriffs' Station Site Demolition (CC 270)

AREA: 7 ac

SITES: CA-LAN-2215H

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3209 **DATE:** 1995 **PAGES:** 35

AUTHOR: NORWOOD, RICHARD H., KEN S. NORWOOD

FIRM: RT Factfinders

TITLE: Cultural Resource Monitoring Investigation for Division Street Storm Drain Avenue I to Milling Street Lancaster, Los Angeles County California

AREA:

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA3305 **DATE:** 1996 **PAGES:** 19

AUTHOR: Love, Bruce

FIRM: CRM Tech

TITLE: Cultural Resources Report: California Veterans Home Project

AREA: 20

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3333 **DATE:** 1995 **PAGES:** 81

AUTHOR: Love, Bruce, Tang, Bai, Norwood Richard

FIRM: CRM Tech

TITLE: History and Archaeology at Old Downtown Lancaster

AREA:

SITES: 19-002215

QUADNAME: Lancaster West

MEMO:

IC ID#: LA3389 **DATE:** 1996 **PAGES:** 138

AUTHOR: NORWOOD, RICHARD

FIRM: RT Factfinders

TITLE: Cultural Resources Investigation for Waste not Enterprises a 10 Acre Parcel in Lancaster, Los Angeles County, California

AREA: 10 ac

SITES: CA-LAN-2396-H

QUADNAME: LANCASTER

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA4679

DATE: 1985

PAGES: 6

AUTHOR: Robinson, RW

FIRM:

TITLE: Cultural Resources Investigation Re: Approximately Eleven Acres Near Division Street and Milling Street, Lancaster, California

AREA: 11 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6066

DATE: 2000

PAGES: 9

AUTHOR: Miller, Wendy

FIRM: Phase I Environmental Services, Inc.

TITLE: National Environmental Policy Act (NEPA) land use screening for the proposed purchase of a telecommunications tower at 45333 North Trevor Avenue Lancaster, California within Los Angeles County, California

AREA: .25 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6074

DATE: 2002

PAGES: 9

AUTHOR: Duke, Curt

FIRM: LSA Associates, Inc.

TITLE: Cultural Resource Assessment AT & T Wireless Services Facility No. D218A Los Angeles County, California

AREA: .25 ac

SITES: none

QUADNAME: Lancaster West

MEMO:

IC ID#: LA644

DATE: 1979

PAGES: 15

AUTHOR: Mabry, Theo N.

FIRM: Archaeological PLANNING COLLABORATIVE

TITLE: Archaeological RECORDS SEARCH and Reconnaissance
LANCASTER LANDMARK PLANNED COMMUNITY LANCASTER, CALIFORNIA

AREA: 590 ac

SITES: CA-LAN-766

QUADNAME: Lancaster West

MEMO:

IC ID#: LA6626

DATE: 2003

PAGES: 32

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resource Investigation of the Forecast Homes Property in the City of Lancaster, Los Angeles County, CA

AREA: 37 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

Bibliography: 1829 - Lancaster General Plan Update

IC ID#: LA6629

DATE: 2002

PAGES: 17

AUTHOR: Morrill, David L.

FIRM: C.A. Singer & Associates, Inc.

TITLE: Cultural Resources Survey and Impact Assessment for a 5.5 Acre Commercial Property on Avenue J-8 in the City of Lancaster, Los Angeles County, CA

AREA: 5.5 ac

SITES: None

QUADNAME: Lancaster West

MEMO: (APN 3123-002-036/044)

IC ID#: LA6635

DATE: 2003

PAGES: 63

AUTHOR: McKenna, Jeanette A.

FIRM: McKenna et al.

TITLE: A Phase I Cultural Resources Investigation for the Sayani Property, 30 Acres in the City of Lancaster, Los Angeles County, CA

AREA: 30 ac

SITES: None

QUADNAME: Lancaster West

MEMO:

PALEONTOLOGICAL RESOURCES OVERVIEW REPORT

CITY OF LANCASTER GENERAL PLAN UPDATE

For Submittal to:

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Community Development Department
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October 6, 2006
CRM TECH Contract No. 1829

EXECUTIVE SUMMARY

Between July and October, 2006, CRM TECH performed a paleontological resources overview study on an approximately 267.5-square-mile area in and around the City of Lancaster, Los Angeles County, California. The subject property of the study is the planning area for the City's general plan, including the City proper as well as its sphere of influence. It measures approximately 23 miles along the east-west axis and 13 miles along the north-south axis, extending between the City of Palmdale on the south, the Kern County line and Edwards Air Force Base (EAFB) on the north, and rural land to the east and west. It consists of various sections in T6N R12-13W and T7-8N R10-14W, San Bernardino Base Meridian, as depicted in the USGS Alpine Butte, Del Sur, Lancaster East, Lancaster West, Little Buttes, Redman, Rosamond, and Rosamond Lake, Calif., 7.5' quadrangles.

As part of the environmental overview for an update of the general plan, the purpose of this study is to provide the City of Lancaster with the necessary information and analysis to facilitate paleontological resources considerations in the planning process and in formulating municipal policies. In order to inventory previously identified paleontological resources and prepare a sensitivity assessment of the planning area, CRM TECH initiated records searches at the San Bernardino County Museum and the Natural History Museum of Los Angeles County, conducted a literature search, and carried out a reconnaissance-level field survey.

The results of this study suggest that the likelihood of encountering paleontological resources during future development projects within the boundaries of the planning area range from low to high, depending on the location and the sediments encountered. The extreme southwest corner of the planning area comprises an eroded, moderately sloping ridge formation with the soils being igneous and metamorphic in origin and that is not conducive to the preservation of fossils. Therefore, this portion of the planning area is considered low in sensitivity for paleontological remains. Alluvial sediments found downslope from this formation, and gradually sloping alluvial soils found in the balance of the planning area have a higher paleontological sensitivity. In particular, the soils of Rosamond and Buckhorn Dry Lakes have a high potential to contain fossil remains of Holocene-age or Pleistocene-age mammals and migratory birds that once visited the shoreline of these, now dry, freshwater lakes.

The surface soils in the planning area, other than the extreme southwest corner, may be Holocene in age, which would have a low paleontological sensitivity, but these soils may overlie older Pleistocene-age soils of higher paleontological sensitivity at depth. Due to this possibility, CRM TECH recommends periodic monitoring of all grading or other earth-moving activities in this portion of the planning area in order to ascertain the sediments being exposed. If ground disturbance reaches older Pleistocene deposits that are determined to be conducive to the preservation of fossils, then full-time monitoring will become necessary and a mitigation program should be implemented to address potential impacts to any paleontological remains that are unearthed. The program should be developed in accordance with the provisions of CEQA as well as with the proposed guidelines of the Society of Vertebrate Paleontology

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INTRODUCTION

Between July and October, 2006, CRM TECH performed a paleontological resources overview study on an approximately 267.5-square-mile area in and around the City of Lancaster, Los Angeles County, California (Fig. 1). The subject property of the study is the planning area for the City's general plan, including the City proper as well as its sphere of influence. It measures approximately 23 miles along the east-west axis and 13 miles along the north-south axis, extending between the City of Palmdale on the south, the Kern County line and Edwards Air Force Base (EAFB) on the north, and rural land to the east and west. It consists of various sections in T6N R12-13W and T7-8N R10-14W, San Bernardino Base Meridian, as depicted in the USGS Alpine Butte, Del Sur, Lancaster East, Lancaster West, Little Buttes, Redman, Rosamond, and Rosamond Lake, Calif., 7.5' quadrangles (Figs. 2a-b).

As part of the environmental overview for the general plan, the purpose of this study is to provide the City of Lancaster with the necessary information and analysis to facilitate paleontological resources considerations in the planning process and in formulating municipal policies. In order to inventory previously identified paleontological resources and prepare a sensitivity assessment of the planning area, CRM TECH initiated records searches at the San Bernardino County Museum and the Natural History Museum of Los Angeles County, conducted a literature search, and carried out a reconnaissance-level field survey.

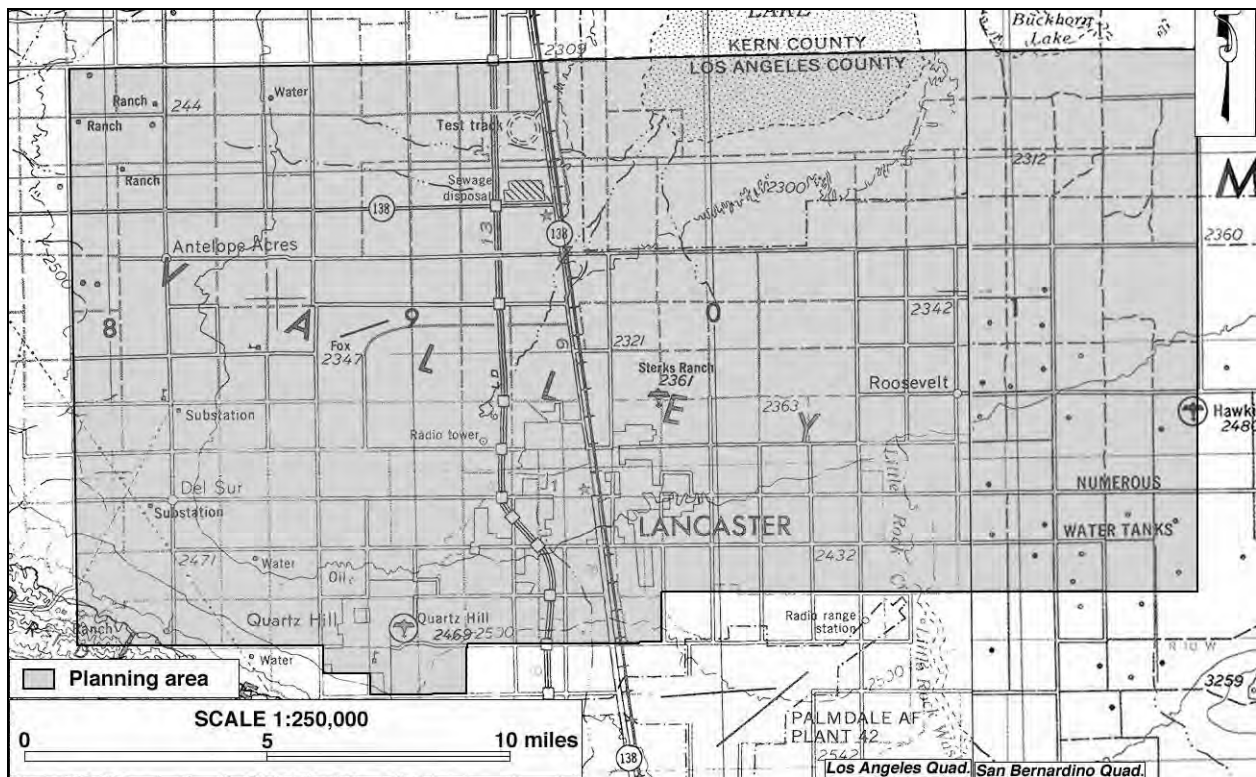


Figure 1. Project vicinity. (Based on USGS Los Angeles and San Bernardino, Calif., 1:250,000 quadrangles [USGS 1969; 1975])

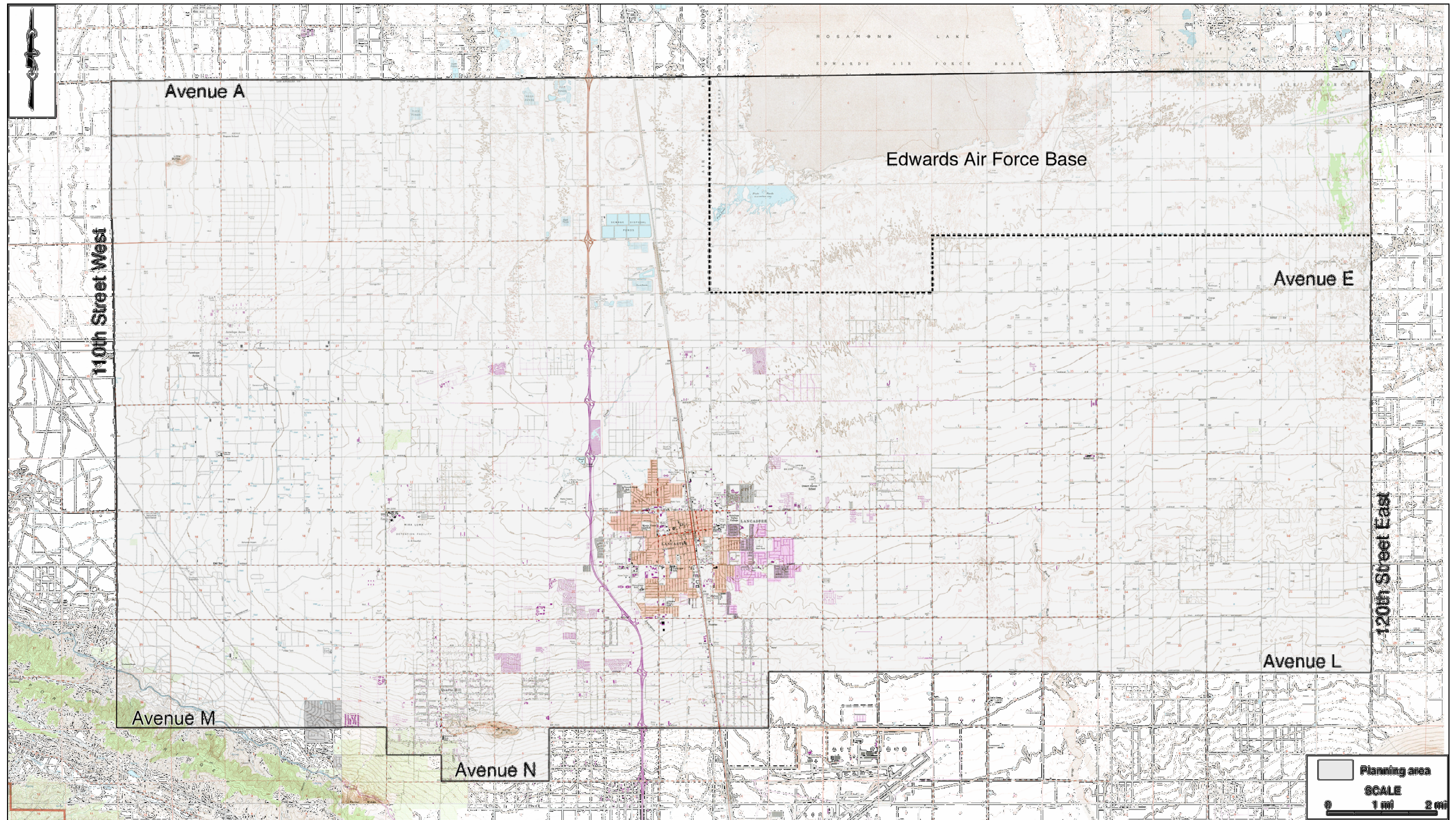


Figure 2. The planning area. (Based on USGS Alpine Butte, Del Sur, Lancaster East, Lancaster West, Little Buttes, Redman, Rosamond, and Rosamond Lake, Calif., 1:24,000 quadrangles [USGS 1973a-b; 1974a-c; 1992a-b; 1995])

SETTING

GEOLOGIC SETTING

The planning area is located within the Mojave Desert Geomorphic Province of southeastern California (Jenkins 1980:40-41; Harms 1996). Dibblee (1967) and Coombs et al. (1979:7) place the planning area within what is called the Antelope Valley portion of the Western Mojave Desert, characterized by a high-elevation desert landscape marked by scattered, isolated mountains, and numerous broad, shallow basins, some with dry lake beds at their low points (Coombs et al. 1979:7). Many of these basins have pediment surfaces developed along the margins, separating the mountains from the basins (*ibid.*:9). These pediment surfaces are commonly covered by desert pavement that protects the area from sheetwash and channeling (*ibid.*).

The mountains and intermountain valleys of the Western Mojave Desert tend to have a northwest-southeast trend that is controlled mainly by faulting (*ibid.*:7). The Mojave Desert Geomorphic Province is separated from the Sierra Nevada and Basin-and-Range Provinces on the north by the Garlock Fault system and from portions of the Transverse Ranges and Colorado Desert Provinces to the south by the San Andreas Fault system (Jenkins 1980:41). The Antelope Valley is a down-dropped area that lies to the northeastern side of the San Andreas Rift Zone (Dibblee 1967:57; 2002:DF-82). This portion of the San Andreas Fault is reported to have last ruptured in 1857 (Jennings 1994). Because uplifting adjacent to the northeastern side of the fault has been ongoing in this region for many years, including into historic times, older rocks have been brought to the surface in some areas, while covered by thin layers of Recent Alluvium in others. The Antelope Valley basin is filled with sediments ranging in age from Miocene to Recent (Dibblee 1967:49-82; Meisling and Weldon 1989:110). Rosamond Dry Lake is a Quaternary Period lake situated in the northern portion of the planning area that catches water during occasional rains and after snowmelt.

NATURAL SETTING

The planning area lies in the southwestern portion of Antelope Valley, which lies in the western portion of the Mojave Desert, bounded on the south by the San Gabriel Mountains, and on the northwest by the Tehachapi Mountains. The planning area itself is bounded by the City of Palmdale on the south, the Kern County line and Edwards Air Force Base on the north, and rural land to the east and west. Elevations in the planning area range from approximately 3,600 feet above mean sea level at the foot of Portal Ridge in the southwestern corner to approximately 2,275 feet along the shoreline of Rosamond Dry Lake in the northern portion.

The majority of the planning area is rural and relatively isolated in comparison to the more urbanized core of the City of Lancaster located in the southern-central portion. The community of Quartz Hill is situated to the southwest of the City, and much of the space between has been the location of large residential and commercial development in recent decades. The northeastern portion of the planning area contains small, aeolian sand dune formations, with some areas that have small groves of mesquite and scattered Joshua trees (Fig. 3). The western portion consists of a very gradual downward east-sloping alluvial fan



Figure 3. Overview of the current natural setting of the planning area. *Left*: mesquite, Joshua trees, and desert brush in the northeastern portion (view to the west); *right*: gently sloping agricultural land in the southeastern portion (view to the northeast). (Photos taken on August 16-17, 2006)

with fine soils that have been tilled in the past for agricultural use (Fig. 3). The soils in the southeastern portion are similar except they slope downward to the north. Other vegetation in the planning area consists mostly of low-lying desert brush and grasses, except where residential and commercial developments have occurred.

METHODS AND PROCEDURES

RECORDS SEARCH

The records search service was provided by the Regional Paleontologic Locality Inventory located at the San Bernardino County Museum in Redlands and by the Natural History Museum of Los Angeles County in Los Angeles. These institutions maintain files of regional paleontological site records as well as supporting maps and documents. The records search results identify any known paleontological localities within the planning area and in the general vicinity.

LITERATURE REVIEW

In addition to the records searches, a literature search was conducted using materials in the CRM TECH library, including unpublished reports produced during surveys of other properties in the area, and the personal library of CRM TECH geologist/paleontologist Harry M. Quinn (see App. 1 for qualifications).

FIELD RECONNAISSANCE

After completion of the records search and other preliminary research work, CRM TECH paleontological surveyors Josh Smallwood and Daniel Ballester (see App. 1 for qualifications) carried out the field reconnaissance by conducting a "windshield survey" of

the planning area, inspecting and identifying geological formations and exposed soils along the way. The main purpose of the field reconnaissance was to examine and evaluate the sensitivity of the planning area for paleontological resources and paleontologically sensitive soils that may be encountered during future excavation and construction activities. The results of the field reconnaissance are discussed in the sections below.

RESULTS AND FINDINGS

RECORDS SEARCHES

A response has not yet been received from the San Bernardino County Museum. The Natural History Museum of Los Angeles County (McLeod 2006) indicated that no known fossil localities have been previously recorded within the planning area boundaries. McLeod reports that fossil localities have been found nearby from sedimentary deposits that are similar to those that occur in the planning area (*ibid.*).

The southwestern corner of the planning area, encompassing the edge of Portal Ridge, has exposures of metamorphic rocks, including Pelona Schist, and granitic igneous rocks. This formation will, of course, not contain fossils. The southern and western portions of the planning area are gradually sloping alluvial fans of fine sediments that have been shed from higher elevations to the south and west. These sediments date from the Quaternary Period and many fossil localities have been found in similar sediments in the surrounding region. These fossil localities contained specimens of extinct mastodont (*Mammut* sp.) and horse (*Equus* sp.). Other fossils recovered from these localities include a diverse fauna with birds, carnivores, rabbits, and rodents. In the northeastern portion of the planning area in and around Rosamond and Buckhorn Dry Lakes are surficial younger Quaternary Period lacustrine deposits (McLeod 2006). There are no recorded vertebrate fossil localities from

these deposits, but the soils in and around these dry lakes do have the potential to produce significant remains of fossil vertebrates (*ibid.*).

In the balance of the planning area, the surface deposits consist of younger Quaternary alluvial soils. Pipeline excavations in Quaternary alluvium soils nearby have recovered faunal remains from small vertebrates such as gopher snake (*Pituophis* sp.), kingsnake *Lampropeltis* sp.), leopard lizard (*Gambelia* sp.), cottontail rabbit (*Sylvilagus* sp.), pocket mouse (*Chaetodipus* sp.), kangaroo rat (*Dipodomys* sp.), and pocket gopher (*Thomomys* sp.).

Based on the results of the record search, excavations in the metamorphic and igneous rocks in the southwestern corner of the planning area will not encounter any fossils. Meanwhile, excavations in the Quaternary alluvial sediments located in the balance of the planning area may well encounter significant vertebrate fossil remains. Therefore, any excavations into intact Quaternary-age alluvial sediments in the planning area have a high potential to impact paleontological resources. The Natural History Museum of Los Angeles County recommends that, "any substantial excavations in the planning area should be monitored by a professional paleontologist to quickly recover any fossil remains while not impeding development" (McLeod 2006).

LITERATURE REVIEW

Dibblee (1967:Plate 1:West Half) mapped most of the planning area as *Qa*, or alluvium of Holocene age. Also present in the western and northeastern portions are *Qs*, or windblown sands of Holocene age. In the very southwestern corner of the planning area, along the hills of Portal Ridge, are outcrops of quartz monzonite and *scp*, Pelona Schist of probable Precambrian age, however, these outcrops are igneous and metamorphic in origin and will not contain fossils. The southwestern portion of the planning area downslope of this metamorphic formation contains sediments of *Qoa*, older alluvium of Pleistocene age, that are overlain unconformably by alluvium of Holocene age. Dibblee (2002:Map #DF-82) mapped most of the underlying soils in the planning area as *Qoa*, older terraces of gravel and sand that are Pleistocene in age.

Most of the alluvial soils that Dibblee mapped as *Qa* are identified as **Rm**, **Ro**, **Rp**, **Rt**, **HgA**, **HkA**, **HkB**, and **HgA2** type soils (1967:Plate 1:West Half). The **Ro** soils belong to the Rosamond Series, specifically the Rosamond fine sandy loam (*ibid.*:48). The **Rm**, **Rp**, and **Rt** soils also belong to the Rosamond Series, specifically the Rosamond loamy fine sand, Rosamond loam, and Rosamond silty clay loam, respectively (*ibid.*:49-50). These soils form on gentle sloping alluvial fans originating from a granitic source (*ibid.*:48). The **HgA**, **HkA**, **HkB**, and **HgA2** soils belong to the Hesperia Series, and are composed of fine sandy loam that develops on smooth alluvial fans with slopes of 2 to 5 percent (*ibid.*:29-30). These soils form on long, smooth, gradually sloping alluvial fans (*ibid.*:29).

The quartz monzonite in the southwest corner of the planning area is mapped as soil type **VsF2** (Woodruff et al. 1970:Map Sheet 44). The **VsF2** soil belongs to the Vista coarse sandy loam that develops on eroded slopes of 30 to 50 percent grade (*ibid.*:61). The coarse alluvium found in the southwest corner of the planning area is mapped as soil type **VsE2** (Woodruff et al. 1970:Map Sheet 44). The **VsE2** soil belongs to the Vista coarse sandy loam that develops on eroded slopes of 15 to 30 percent grade (*ibid.*:61). Both of these soils are found in areas where much of the original surface layer has been removed by sheet and rill erosion and is often found in areas cut by shallow to deep gullies (*ibid.*).

FIELD RECONNAISSANCE

The purpose of the field reconnaissance was to examine and evaluate the sensitivity of the planning area for paleontological resources that may be encountered during future excavation and construction activities. During the field reconnaissance, it was noted that the extreme southwest corner of the planning area contains a moderately sloping ridge formation that has eroded surface exposures of coarse-grained granitic soils. This formation, being igneous and metamorphic in origin, has a low potential to contain any paleontological resources. However, the gradually sloping area near the base of this formation contains alluvial sediments that developed over time by soils eroding down from the higher elevations. As these soils developed they may have buried plants and animals, preserving their remains at depth.

The balance of the planning area, on the gentler sloping alluvial fans, are finer soils that have developed over time, possibly burying any hard organic materials that were deposited there and preserving them as fossils (Fig. 4). The surface exposures in this



Figure 4. Fine-grained alluvial soils on gentle slopes in the northern portion of the planning area (Photo taken on August 16, 2006; view to the south).

portion of the planning area are probably Holocene-age alluvium, but they may overlay Pleistocene-age alluvium at unknown depths. These Pleistocene-age alluvial soils have a high potential to contain fossil remains of extinct mammals from the last Ice Age.

Furthermore, Edwards Air Force Base, situated in the northern portion of the planning area, surrounds several Quaternary-age lakes, two of which are partially situated within the planning area and known today as Rosamond Dry Lake and Buckhorn Lake. Today these lakes are dry and only obtain moisture after periodic heavy rainfall or snowmelt. Thousands of years ago, when the climate was wetter and when the lakes were full, they would have provided water to a variety of mammals and migratory birds. These animals would have come to the shores to drink, and in some cases, could have been caught in the muddy banks along the receding shoreline, been attacked and eaten by predators who also frequented the water's edge, or died of other causes. In either event, their remains would have decayed along or near the water's edge, and then later would have been buried in the muddy lake sediments. The fossil remains of these animals may not be present on the surface, but rather, buried at an unknown depth below the surface. Therefore, any grading or other earth-moving activities in this portion of the planning area would have a high potential for encountering paleontological resources during any future development projects.

An overall assessment of the planning area's sensitivity for paleontological resources is presented in the section below.

SENSITIVITY ASSESSMENT

In light of the findings from the various avenues of research, this study concludes that the extreme southwest corner of the planning area consists of a moderately sloping ridge formation that has eroded surface exposures of coarse-grained granitic soils. This formation, being igneous and metamorphic in origin, is not conducive to the preservation of fossils. Therefore, this portion of the planning area is considered low in sensitivity for paleontological remains (Fig. 5a). Meanwhile, the area at the base of this formation has developed a thick layer of alluvial sediment that has, over time, eroded from the higher elevations. Because these soils may have buried plant and animal remains during their development, they have a moderate to high potential to contain paleontological resources.

The balance of the planning area contains gentler sloping alluvial sediments with finer soils that have developed over time, possibly burying any hard organic materials that were deposited there and preserving them as fossils (Figs. 5a-b). The surface exposures in this portion of the planning area are probably Holocene-age alluvium that is low in sensitivity for paleontological resources, but they may overlay older Pleistocene-age alluvium at unknown depth. These Pleistocene-age alluvial soils have a moderate to high potential to contain fossil remains of Pleistocene-age mammals. Areas near the shoreline of Rosamond and Buckhorn Dry Lakes may contain the remains of Holocene-age or Pleistocene-age mammals and migratory birds that once visited the lake when it was full and therefore also have a moderate to high potential to contain significant paleontological remains (Figs. 5a-b).

RECOMMENDATIONS AND CONCLUSION

CEQA Appendix G provides that "a project may be deemed to have a significant effect on the environment if it will ... disrupt or adversely affect a ... paleontological site except as a part of a scientific study." The present study, conducted in compliance with this provision, is designed to inventory any previously identified paleontological resources that may exist within or adjacent to the planning area, and to examine and evaluate the sensitivity of the planning area for paleontological resources that may be encountered during future excavation and construction activities.

The results of this study suggest that the likelihood of encountering paleontological resources during future development projects within the boundaries of the planning area range from low to high, depending on the location and the sediments encountered. The extreme southwest corner of the planning area comprises an eroded, moderately sloping

ridge formation that is igneous and metamorphic in origin and that is not conducive to the preservation of fossils. Therefore, this portion of the planning area is considered low in sensitivity for paleontological remains. Alluvial sediments found downslope from this formation, and gradually sloping alluvial soils found in the balance of the planning area have a higher paleontological sensitivity. The soils of Rosamond and Buckhorn Dry Lakes have a moderate to high potential to contain fossil remains of Holocene-age or Pleistocene-age mammals and migratory birds that once visited the shoreline of these, now dry, freshwater lakes.

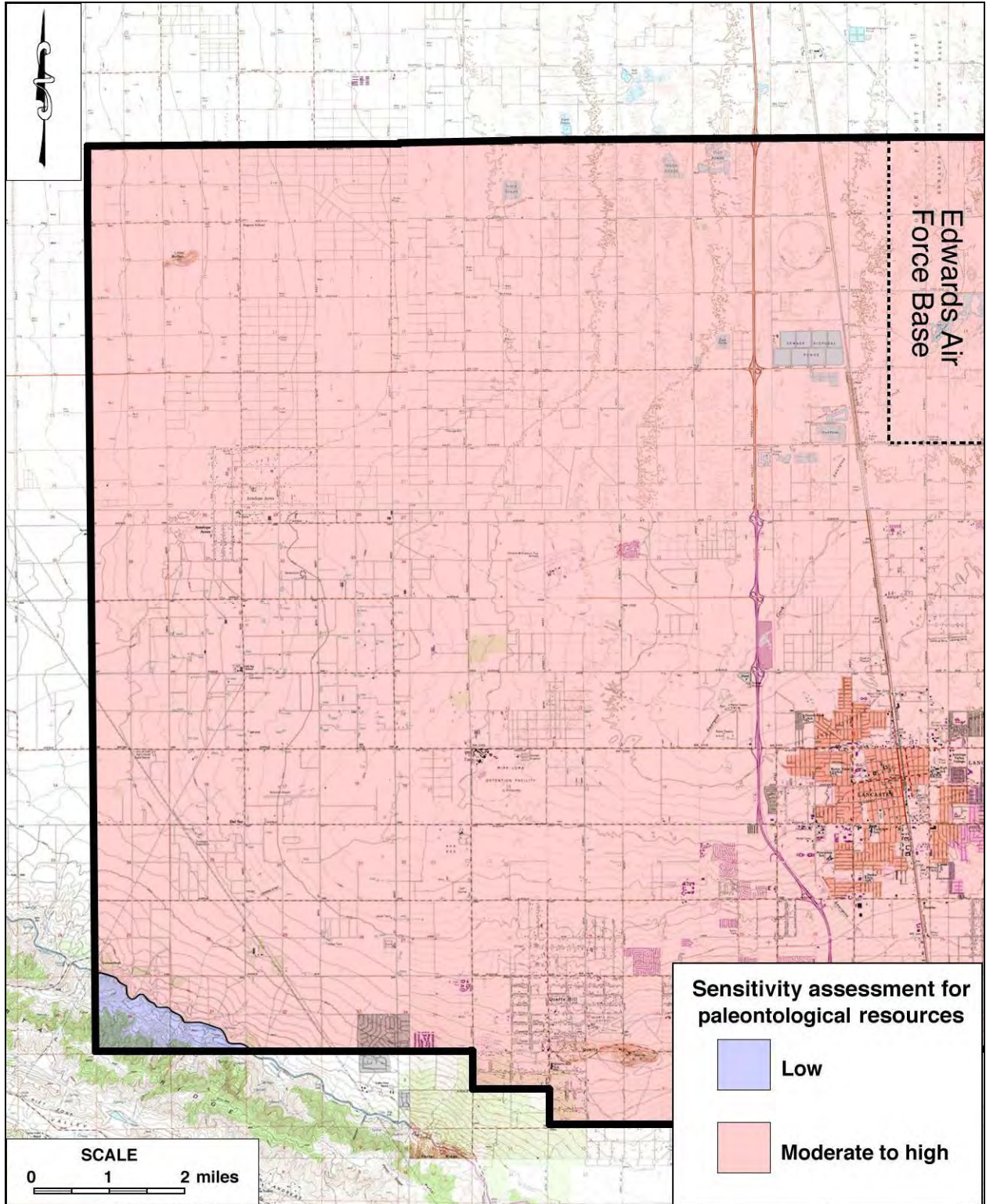


Figure 5a. Sensitivity assessment for paleontological resources (western portion of the planning area).

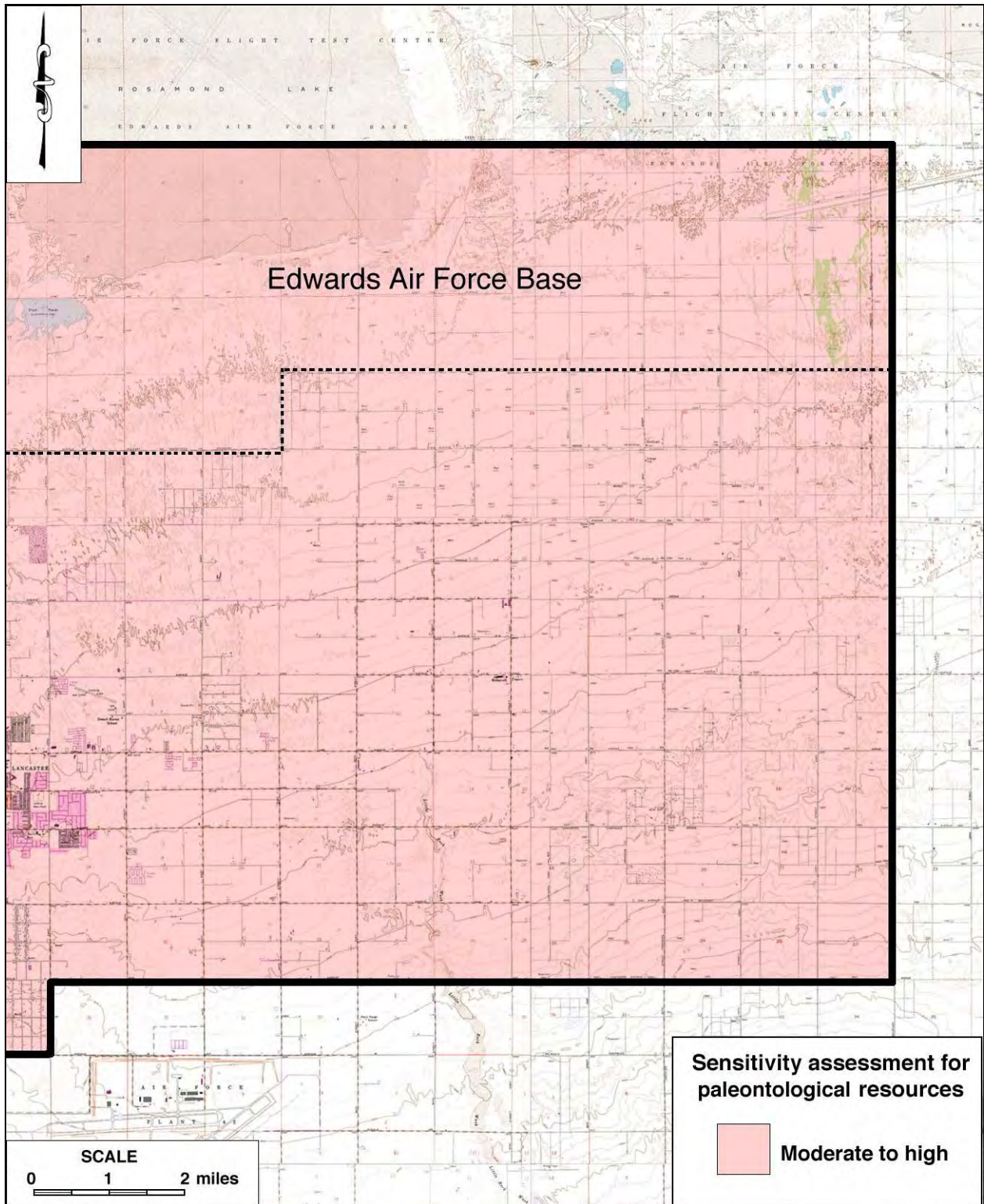


Figure 5b. Sensitivity assessment for paleontological resources (eastern portion of the planning area).

The surface soils in the planning area may be Holocene in age, which would have a low paleontological sensitivity, but these soils may overlie older Pleistocene-age soils of higher paleontological sensitivity at depth. Due to this possibility, CRM TECH recommends periodic monitoring of all grading or other earth-moving activities in this portion of the planning area in order to ascertain the sediments being exposed. If ground disturbance reaches older Pleistocene deposits that are determined to be conducive to the preservation of fossils, then full-time monitoring will become necessary and a mitigation program should be implemented to address potential impacts to any paleontological remains that are unearthed. The program should be developed in accordance with the provisions of CEQA as well as with the proposed guidelines of the Society of Vertebrate Paleontology, and should include but not be limited to the following:

- Monitoring of excavation in areas identified as likely to contain paleontologic resources by a qualified paleontological monitor. Based upon the results of this review, areas requiring monitoring include all previously undisturbed Pleistocene and older alluvial sediments present at the surface and at depth. It is not known at what depths such sediments may be encountered. Paleontologic monitors should be equipped to salvage fossils as they are unearthed to avoid construction delays, and to remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors must be empowered to temporarily halt or divert grading equipment to allow removal of abundant or large specimens. Monitoring may be reduced if the potentially-fossiliferous units are not present, or, if present, are determined upon exposure and examination by qualified paleontologic personnel to have a low potential to contain fossil resources.
- Collected samples of sediments should be washed to recover small invertebrate and vertebrate fossils. Recovered specimens should be prepared so that they can be identified and permanently preserved.
- Specimens should be identified, curated, and placed into a repository with permanent retrievable storage.
- A report of findings, including an itemized inventory of recovered specimens, should be prepared upon completion of the steps outlined above. The report should include a discussion of the significance of all recovered specimens. The report and inventory, when submitted to the appropriate Lead Agency along with confirmation of the curation of recovered specimens, would signify completion of the program to mitigate impacts to paleontologic resources.

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1973a Map: Rosamond, Calif. (7.5', 1:24,000); aerial photographs taken 1972, field-checked 1973.
1973b Map: Rosamond Lake, Calif. (7.5', 1:24,000); aerial photographs taken 1972, field-checked 1973.
1974a Map: Lancaster East, Calif. (7.5', 1:24,000); 1958 edition photorevised in 1974.

- 1974b Map: Lancaster West, Calif. (7.5', 1:24,000); 1958 edition photorevised in 1974.
- 1974c Map: Little Buttes, Calif. (7.5', 1:24,000); 1965 edition photorevised in 1974.
- 1975 Map: Los Angeles, Calif. (1:250,000); aerial photographs taken in 1972.
- 1992a Map: Alpine Butte, Calif. (7.5', 1:24,000); 1955 edition revised 1989, field-checked 1991.
- 1992b Map: Redman, Calif. (7.5', 1:24,000); 1972 edition revised in 1989, field-checked 1991.
- 1995 Map: Del Sur, CA (7.5', 1:24,000); 1974 edition revised by the USDA Forest Service.

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APPENDIX I:
PERSONNEL QUALIFICATIONS

PROJECT GEOLOGIST/PALEONTOLOGIST Harry M. Quinn, M.S.

Education

- 1968 M.S., Geology, University of Southern California, Los Angeles, California.
1964 B.S, Geology, Long Beach State College, Long Beach.
1962 A.A., Los Angeles Harbor College, Wilmington, California.

- Graduate work oriented toward invertebrate paleontology; M.S. thesis completed as a stratigraphic paleontology project on the Precambrian and Lower Cambrian rocks of Eastern California.

Professional Experience

- 2000- Project Paleontologist, CRM TECH, Riverside, California.
1998- Project Archaeologist, CRM TECH, Riverside, California.
1992-1998 Independent Geological/Geoarchaeological/Environmental Consultant, Pinyon Pines, California.
1994-1996 Environmental Geologist, E.C E.S., Inc, Redlands, California.
1988-1992 Project Geologist/Director of Environmental Services, STE, San Bernardino, California.
1987-1988 Senior Geologist, Jirsa Environmental Services, Norco, California.
1986 Consulting Petroleum Geologist, LOCO Exploration, Inc. Aurora, Colorado.
1978-1986 Senior Exploration Geologist, Tenneco Oil E & P, Englewood, Colorado.
1965-1978 Exploration and Development Geologist, Texaco, Inc., Los Angeles, California.

Previous Work Experience in Paleontology

- 1969-1973 Attended Texaco company-wide seminars designed to acquaint all paleontological laboratories with the capability of one another and the procedures of mutual assistance in solving correlation and paleo-environmental reconstruction problems.
1967-1968 Attended Texaco seminars on Carboniferous coral zonation techniques and Carboniferous smaller foraminifera zonation techniques for Alaska and Nevada.
1965-1972, 1974, 1975 Conducted stratigraphic section measuring and field paleontological identification in California and Alaska for stratigraphic controls. Pursued more detailed fossil identification in the paleontological laboratory to establish closer stratigraphic controls, mainly with Paleozoic and Mesozoic rocks and some Tertiary rocks, including both megafossil and microfossil identification, as well as fossil plant identification.

Memberships

Society of Vertebrate Paleontology; American Association of Petroleum Geologists; Canadian Society of Petroleum Geologists; Rocky Mountain Association of Geologists, Pacific Section; Society of Economic Paleontologists and Mineralogists; San Bernardino County Museum.

Publications in Geology

Five publications in Geology concerning an oil field study, a ground water and earthquake study, a report on the geology of the Santa Rosa Mountain area, and papers on vertebrate and invertebrate Holocene Lake Cahuilla faunas.

PALEONTOLOGICAL SURVEYOR/REPORT WRITER Josh Smallwood, B.A.

Education

- 1998 B.A., Anthropology, Humboldt State University, Arcata, California.
1997 Archaeological Field School, Fort Ross Historic District, Fort Ross, California.
Archaeological Field School, Coastal Test and Mitigation Projects, Eureka, California.
1996 Archaeological Field School, Mad River Watershed Surveys, Blue Lake, California.
1994 A.A., Anthropology, Palomar College, San Marcos, California.
1993 Archaeological Field School, San Pasqual Battlefield, San Pasqual, California.
Archaeological Field School, Las Flores Asistència, Camp Pendleton, CA.
1992 Archaeological Field School, Palomar College Campus Late Prehistoric Sites, San Marcos, California.
- 2002 "Historical Archaeology Workshop," presented by Richard Norwood, Base Archaeologist, Edwards Air Force Base.
2001 "CEQA and Section 106 Basics," presented by Richard Carrico, Principal Investigator, Mooney & Associates, San Diego.
"OSHA Safety Training for Construction Monitors," presented by OSHA and City of San Diego.
2000 "HABS/HAER Recording Methods for Historic Structures," presented by Robert Case, Historic Archaeologist, Mooney & Associates, San Diego.
1998 "Unexploded Ordinance Training," presented by EOD officers, Fort Irwin Army Training Facility, Barstow.
1997 "Obsidian Sourcing through Characterization," presented by Thomas Origer, Sonoma State University.

Professional Experience

- 2002- Paleontological Surveyor/Report Writer, CRM TECH, Riverside, California.
• Paleontological field surveys, monitoring, and field collection.
1997-2002 Archaeologist for several cultural/environmental consultants, Department of Defense subcontractors, and Humboldt State University/Bureau of Land Management cooperative projects. Report writer, field crew, and crew chief in charge of survey, testing, data recovery, and monitoring projects

for large public utility and military projects, marine shell, lithic, and historic-period artifact analysis.

Paleontological and Cultural Resources Management Reports

Co-author of and contributor to numerous CEQA and Section 106 study reports since 1997.

PALEONTOLOGICAL SURVEYOR
Daniel Ballester, B.A.

Education

- 1998 B.A., Anthropology, California State University, San Bernardino.
- 1997 Archaeological Field School, University of Las Vegas and University of California, Riverside.
- 1994 University of Puerto Rico, Rio Piedras, Puerto Rico.
- 2002 "Historic Archaeology Workshop," presented by Richard Norwood, Base Archaeologist, Edwards Air Force Base; presented at CRM TECH, Riverside.

Professional Experience

- 2002- Field Director, CRM TECH, Riverside.
- Report writing, site record preparation, and supervisory responsibilities over all aspects of fieldwork and field crew.
- 1999-2002 Project Archaeologist, CRM TECH, Riverside.
- Survey, testing, data recovery, monitoring, and mapping.
- 1998-1999 Field Crew, K.E.A. Environmental, San Diego.
- Two and a half months of excavations on Topomai village site, Marine Corp Air Station, Camp Pendleton.
- 1998 Field Crew, A.S.M. Affiliates, Encinitas.
- Two weeks of excavations on a site on Red Beach, Camp Pendleton, and two weeks of survey in Camp Pendleton, Otay Mesa, and Encinitas.
- 1998 Field Crew, Archaeological Research Unit, University of California, Riverside.
- Two weeks of survey in Anza Borrego Desert State Park and Eureka Valley, Death Valley National Park.

APPENDIX II:
RECORDS SEARCHES RESULTS

Natural History

Museum of Los Angeles County

900 Exposition Boulevard • Los Angeles, CA 90007

Vertebrate Paleontology Section
Telephone: (213) 763-3325
FAX: (213) 746-7431
e-mail: smeleod@nhm.org

31 July 2006

CRM Tech
4472 Orange Street
Riverside, CA 92501

Attn: Laura Hensley Shaker

re: Paleontological resources for the proposed Lancaster GPA, CRM Tech # 1829 A/P, around the City of Lancaster, Los Angeles County, Paleo, project area

Dear Laura:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed Lancaster GPA, CRM Tech # 1829 A/P, around the City of Lancaster, Los Angeles County, Paleo, project area as outlined on the sections of the Alpine Butte, Del Sur, Lancaster East, Lancaster West, Little Buttes, Redman, Rosamond, and Rosamond Lake USGS topographic quadrangle maps that you faxed to me on 27 July 2006. We do not have any vertebrate fossil localities that lie within the project boundaries, but we do have localities from sedimentary deposits similar to those that occur within the proposed project area.

In the very southwestern part of proposed project area, in the southwestern corner of the Del Sur quadrangle, there are exposures of metamorphic rocks of the Pelona Schist and granitic igneous rocks north of the San Andreas Fault and almost exclusively south of the California Aqueduct. These rocks will not contain fossils, of course. But just north of the exposures of igneous rocks in this portion of the proposed project area, there are some exposures of older Quaternary deposits in the northeastern part of Section 36 and the southern half of Section 25. Our closest vertebrate fossil localities from somewhat similar deposits are LACM (CIT) 399, 451 and 589 as well as LACM 5761, all south of the east-central portion of the proposed project area. LACM (CIT) 399 and 451 lie in the San Andreas Rift Zone south of the California Aqueduct southeast of Barrel Springs. LACM (CIT) 589 and LACM 5761 lie southwest of Barrel Springs. All these localities produced fossil specimens of mastodont, *Mammut*, and horse, *Equus*. The more general locality of LACM (CIT) 589 has produced a more diverse fauna with birds, carnivores, rabbits identified as both *Lepus* and *Sylvilagus*, and rodents of the genera *Reithrodontomys*, *Peromyscus* and *Neotoma*.

In the northeastern portion of the proposed project area there are surficial younger Quaternary

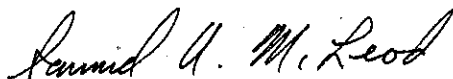
lacustrine deposits (lake deposits) of Rosamond Lake and Buckhorn Lake. We do not have any vertebrate fossil localities anywhere nearby from these types of deposits, but they always have the potential to produce significant remains of fossil vertebrates.

In the remainder of the proposed project area, that is almost all of it, the surface deposits consist of soil and younger Quaternary Alluvium. These younger Quaternary Alluvium sedimentary deposits usually do not contain significant vertebrate fossils, at least in the uppermost layers. From directly south of the eastern portion of the proposed project area and to the east-southeast, however, along Avenue S from Little Rock east, we have localities LACM 5942-5953 from pipeline excavations in Quaternary Alluvium and older Quaternary sediments that produced a fauna of small vertebrates including gopher snake, *Pituophis*, kingsnake, *Lampropeltis*, leopard lizard, *Gambelia wislizenii*, cottontail rabbit, *Sylvilagus*, pocket mouse, *Chaetodipus*, kangaroo rat, *Dipodomys*, and pocket gopher, *Thomomys*.

Excavations in the metamorphic and igneous rocks in the very southwestern portion of the proposed project area will not encounter any fossils. Excavations in the older Quaternary Alluvium found just north of the exposures of igneous rock in the very southwestern part of the proposed project area, or any excavations in the lake deposits in the northeastern portion of the proposed project area, may well encounter significant vertebrate fossils. Likewise, any substantial excavations below the uppermost layers of younger Quaternary Alluvium exposed in most of the proposed project area may well encounter significant vertebrate fossil remains. Except for the very southwestern portion of the proposed project area, therefore, any substantial excavations in the proposed project area should be monitored closely to quickly and professionally recover any fossil remains discovered while not impeding development. Because some of the localities from similar sedimentary deposits have produced only very small fossils that would be missed in typical paleontological monitoring of construction projects, it is recommended that sediment samples be collected to determine the small vertebrate fossil potential in these rock units. 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

enclosure: invoice



APPENDIX H

Hydrology and Water Quality Technical Appendix

Lancaster General Plan 2030 HYDROLOGY AND WATER QUALITY TECHNICAL APPENDIX

Prepared For:

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June 2008
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JN 10-104579

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1.0 INTRODUCTION

The following study represents the Hydrology and Water Quality Technical Appendix prepared as part of the *Lancaster General Plan 2030*. City of Lancaster is located in the Antelope Valley. The City encompasses approximately 94 square miles (60,160 acres). The city limits extend from 110th Street West to 107th Street East and from Avenue E to Avenue N. The city presently has an approved sphere of influence that extends north to Avenue A, west to 110th Street West, east to 110th Street East and south along the boundary between City of Lancaster and City of Palmdale. The area within the Sphere of Influence is approximately 260 sq. miles (See **Figures 1 and 2** for a Regional and Project Vicinity Map). This report is a technical engineering study/evaluation intended to support the *General Plan Update* for the project on issues related to drainage, surface hydrology, and water quality.

The General Plan area consists of the revitalization of the City of Lancaster and its approved Sphere of Influence. The existing land use analyses the 2020 General Plan adopted in 1997 as a baseline model. The proposed project involves evaluating land use alternatives that illustrate various future development scenarios for the City of Lancaster. *Lancaster General Plan 2030* would not result in the study area to be build out. However, for the purpose of this analysis each alternative is assumed to be build out condition. The proposed land uses identified on the land use maps serve as a guide for potential future developments within the City. Land uses studied include institutional, commercial, and residential expansion.

All assessments and technical analyses in this report are in compliance with the local drainage policies and requirements for the City of Lancaster, Lahontan Regional Water Quality Control Board, Los Angeles County, and the California Environmental Quality Act (CEQA) of 1970, as amended. The hydrology analysis and drainage assessments have been prepared at a preliminary engineering level based upon available information.

1.1 Background and History

In January of 2001, the City of Lancaster began the process of preparing a “vision plan” for the future of their city. The need for this planning effort was created by a combination of factors, including the need for expansion by certain uses already located in the area, the desire of new users to locate in the area, and economic and physical deterioration in portions of the area.

Federal, state and local drainage laws and regulations govern the evaluation of impacts to surface water drainage. For this evaluation, impacts to surface water drainage would be considered significant if the project alters the drainage patterns of the site, which would result in substantial erosion, siltation, or increase runoff that would result in increased flooding. An increase in the amount of runoff could be considered a significant cause of erosion due to the concentration of flows.

The evaluation of impacts to storm water quality is of growing concern throughout the country. The City of Lancaster prepared a Storm Water Management Program (SWMP) in August 2003.

The City of Lancaster has been designated a regulated Small Municipal Storm Sewer System (MS4) by the United States Environmental Protection Agency (USEPA) pursuant to 40 CFR§122.32(a)(1) because it is an urbanized area as defined by the Bureau of Census. Therefore, the City is required to comply with the Phase II regulations of the National Pollutant Discharge Elimination System

(NPDES). There are two options. One is to obtain an individual permit addressing specific compliance provisions and the other is to file a Notice of Intent (NOI) to comply with the State Water Resources Board (SWRB) Small MS4 General Permit. The City of Lancaster has decided to file an NOI to comply with the General Permit in lieu of obtaining an individual permit.

In compliance with Federal regulations, the City of Lancaster submitted an NOI, Storm Water Management Program (SWMP) and a fee on March 7, 2003. On April 10, 2003, SWRB acknowledged receipt of the above and stated the application was incomplete. SWRB provided comments to assist the City in making its application complete and requiring a deadline for re-submittal of August 29, 2003. On April 20, 2003, the National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000004 was adopted.

Per the City's SWMP, a post-construction Best Management Practice (BMP) program is being developed. The post-construction BMP requirements are discussed in Attachment 4 of the Small MS4 NPDES Permit and Appendix B of the City's SWMP. These requirements are similar to those described by the Los Angeles Regional Water Quality Control Board and their Standard Urban Storm Water Mitigation Plan (SUSMP) program. Guidelines for the requirements associated with the SUSMP are described in detail in the *Development Planning for Storm Water Management - A Manual for the Standard Urban Storm Water Mitigation Plan (SUSMP)* dated May 2000 by the Los Angeles County Department of Public Works.

1.2 Development Planning for Storm Water Management

The requirement to implement a program for development planning was based on federal and state statutes including (Section 402 9p) of the Clean Water Act and the California Water Code. The Clean Water Act amendments of 1987 established a framework for regulating storm water discharges from municipal, industrial, and construction activities under the NPDES program. The primary objectives of the municipal storm water program requirements are to:

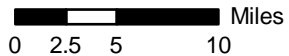
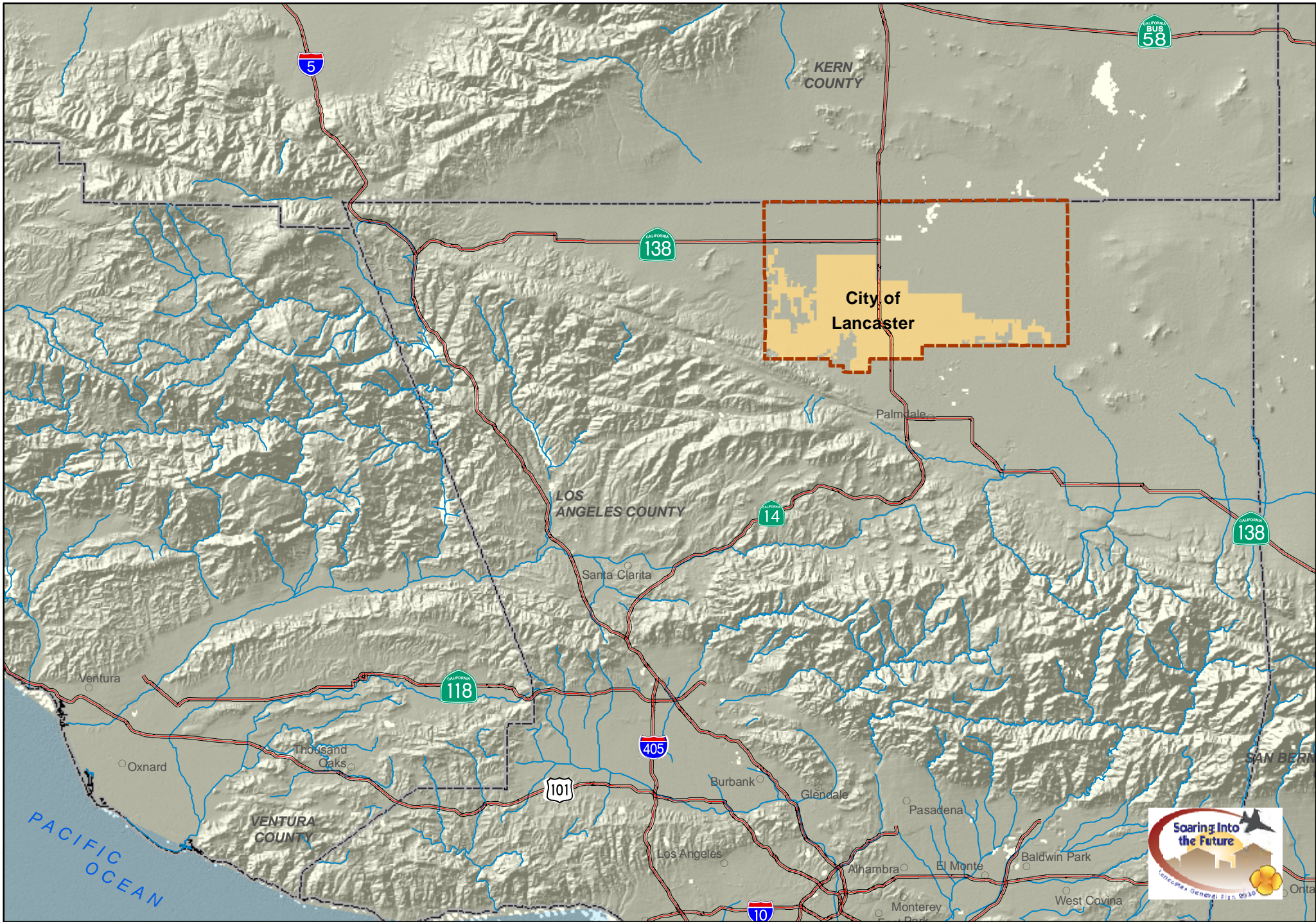
1. Effectively prohibit non-storm water discharges, and
2. Reduce the discharge of pollutants from the storm water conveyance system to the "Maximum Extent Practicable".

For this evaluation, impacts to storm water quality would be considered significant if the project did not attempt to address storm water pollution to the maximum extent practicable. Currently, there are no definitive water quality standards for individual pollutants. Therefore, impacts to storm water quality would be considered less than significant if they meet the requirements of the SUSMP.

The SUSMP requirements for commercial/institutional developments include the following:

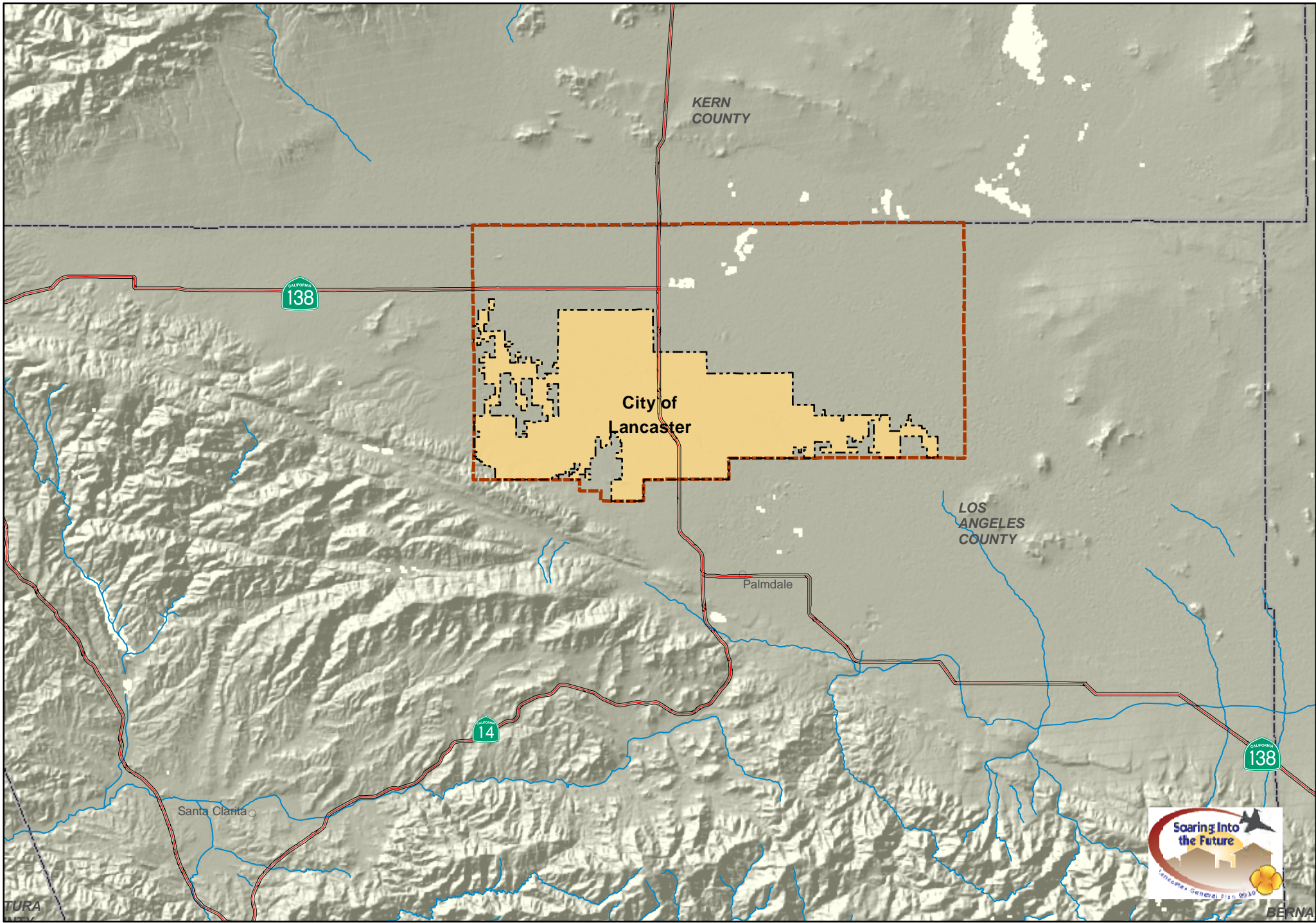
1. Post development peak storm discharge rates shall not exceed the estimated pre-development rate for developments where increased peak storm water discharge rate would result in increased potential for downstream erosion.
2. Conserve natural areas by using cluster development, limiting clearing and grading of native vegetation, maximize trees and other vegetation, promote natural vegetation, and preserve riparian area and wetlands.
3. Minimize storm water pollutants of concern by incorporating BMPs or combinations of BMPs best suited to maximize the reduction of pollutant loadings in runoff to the maximum extent practicable.

4. Protect slopes and channels to decrease the potential for erosion and the subsequent impacts to storm water runoff.
5. Provide storm drain system stenciling and signage.
6. Properly design outdoor material storage areas.
7. Properly design trash storage areas.
8. Provide proof of ongoing BMP maintenance.
9. Comply with SUSMP standards for design of structural or treatment control BMPs.
10. Properly design loading/unloading dock areas.
11. Properly design repair/maintenance bays.
12. Properly design vehicle/equipment wash areas.
13. Design parking areas to reduce impervious land coverage in order to encourage the infiltration and treatment of runoff before it enters the storm drain system.



CITY OF LANCASTER
Regional Vicinity Map

FIGURE 1



CITY OF LANCASTER
Project Vicinity Map

FIGURE 2

2.0 EXISTING CONDITIONS

2.1 Existing Land Use

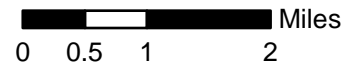
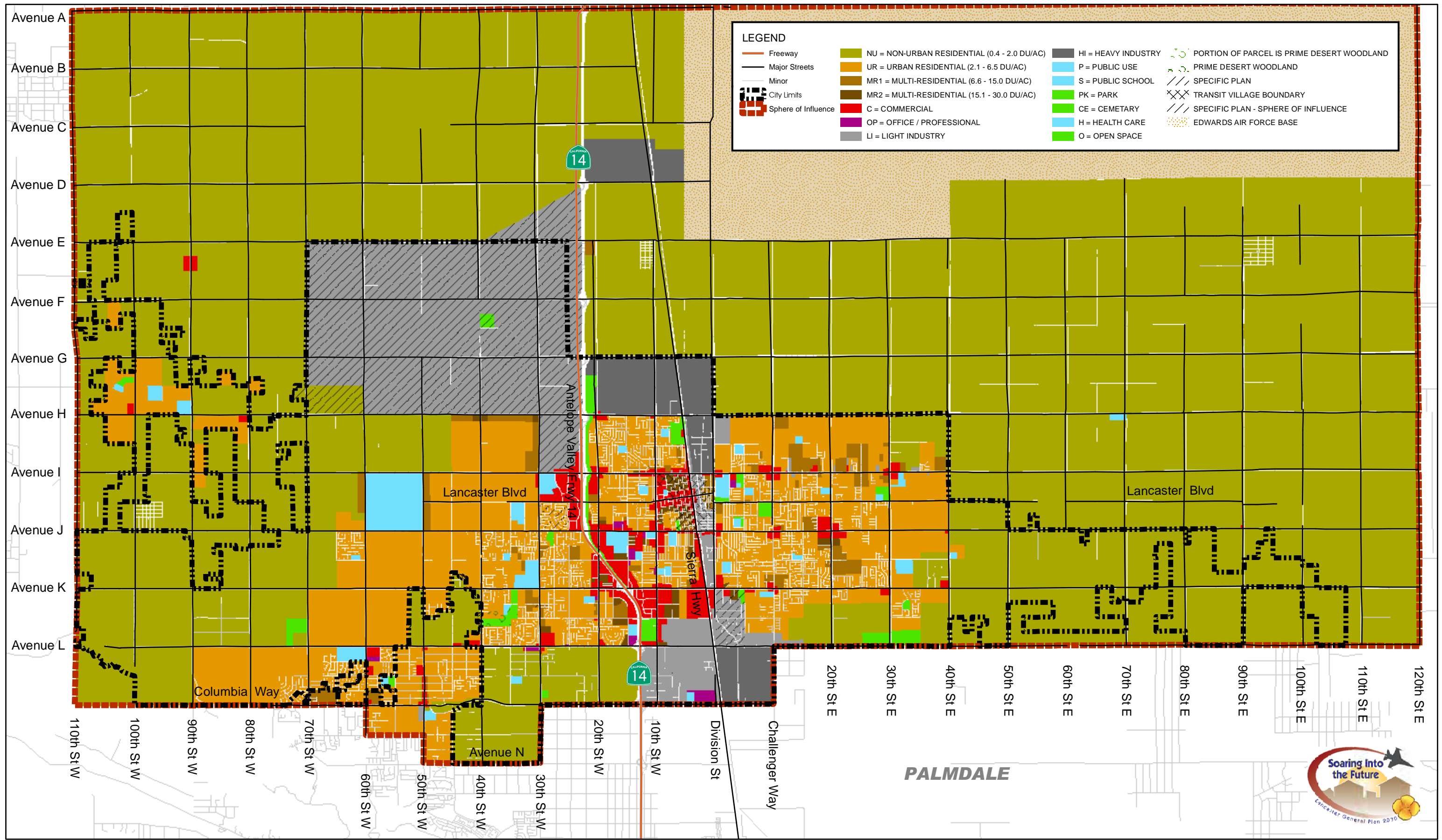
The City of Lancaster established drainage pattern is overland flow in a northerly direction through the city to Rosamond Dry Lake. The City of Lancaster and its approved Sphere of Influence consists of a mixture of residential, commercial, industrial, and institutional land uses. The existing land use (No project alternative) uses the adopted 1997 General Plan land use. Refer to **Table 2.1** and **Figure 3** for a detailed existing land use distribution.

Table 2.1 – Existing Condition Land Use Distribution			
	Area (sq. ft)	Area (ac.)	Area (sq. miles)
Commercial	84,433,904	1,938	3.03
Cemetery	5,559,062	128	0.20
Health Care	7,145,992	164	0.26
Heavy Industrial	125,362,565	2,878	4.50
Light Industrial	485,506,360	11,146	17.42
Multi-Residential 1	1,267,467,330	29,097	45.46
Multi-Residential 2	15,733,491	361	0.56
Non-Urban Residential	4,390,541,980	100,793	157.49
Open Space	11,298,549	259	0.41
Office/Professional	6,438,754	148	0.23
Public Use	28,562,604	656	1.02
Park	19,897,589	457	0.71
Public School	33,489,032	769	1.20
Urban Residential	771,637,079	17,714	27.68
		166,508	260.17

Note: The location of Parks, Open Space and Schools is the same for the existing and proposed condition. The analysis takes into account these changes but the Existing Land Use Map is not updated. The City will update upon adoption of the alternative.

2.2 Hydrologic Parameters

An existing conditions qualitative analysis was prepared for the project area. Hydrologic parameter calculations to evaluate impacts from the general plan update were evaluated based on a comparison of tributary area, and proposed change in percent impervious.



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CITY OF LANCASTER

Existing Land Use Map



FIGURE 3

The types of land use and vegetation or ground cover affects the infiltration rate. Impervious values were determined using *Los Angeles County Hydrology Manual* Appendix D. **Table 2.2** provides a summary of the land uses and the corresponding impervious values used for the analysis.

Table 2.2 – Percent Impervious Values		
Hydrology Manual	GP Land Use Designation	Impervious Area
Regional Shopping Center	Commercial (C)	0.95
Other Open Space and Recreation	Cemetery (CE)	0.10
Major Medical Health Care Facilities	Health Care (H)	0.74
Manufacturing, Assembly, and Industrial Services	Heavy Industrial (HI)	0.91
Mixed Commercial and Industrial	Light Industrial (LI)	0.91
Mixed Multi-Family Residential	Multi-Residential 1 (MR1)	0.74
Low-Rise Apartments, Condominiums, and Townhouses	Multi-Residential 2 (MR2)	0.86
Low-Density Single Family Residential	Non-Urban Residential (NU)	0.21
Other Open Space and Recreation	Open Space (O)	0.10
Low- and Medium-Rise Major Office Use	Office/Professional (OP)	0.91
Other Public Facilities	Public Use (P)	0.91
Other Open Space and Recreation	Park (PK)	0.10
Junior or Intermediate High Schools	Public School (S)	0.82
High-Density Single Family Residential	Urban Residential (UR)	0.42

Standard rainfall intensity data for the 50-year 24-hour isohyets for the City of Lancaster show that the rainfall for the General Plan area range between 2.6 inches on the North side and 3.4 inches on the South side of the City. Rainfall information was obtained from the *Los Angeles County Hydrology Manual* Appendix B Plate 1-H1.67. Drainage patterns were determined using information obtained from existing storm drain layout.

2.2.2 Existing Watershed Description

An extensive portion of the City of Lancaster and the General Plan area is subject to flooding because of its relatively flat topography. This is caused by uncontrolled runoff from the San Gabriel and Sierra Pelona mountains to the south. The Antelope Valley drainage basin consists of alluvial fans extending north from these mountains to the dry lakebeds at Edwards Air Force Base.

Runoff flows north out of several major canyons, then spreads out and flows across the alluvial fans; eventually reaching the dry lakebeds including Rogers, Rosamond, and Buckhorn all located northeast of the City. Storm flows in the undeveloped portions of the General Plan area are generally channeled through wide, north-south swales until intercepted by various flood control structures or natural creek beds. The natural tributaries within the General Plan area include Amargosa Creek, Anaverde Creek, Little Rock Creek, Fairmont Wash and Neenach Wash. The basin has no natural outlet to the sea, which restricts the removal of runoff to percolation or evaporation.

Flow originating in the developed portions of the City on the floor of the alluvial fan is generally contained within the existing street. In many areas, City streets are designed to accommodate 10-year and/ or 25-year storm flows within the right-of-way. Several areas in the City of Lancaster have

recurring flood problems during rainy season. Additional structural improvements are necessary to address these areas. **Table 2.3** provides the existing condition area characteristics. In order to simplify comparison of the existing and proposed general plan land uses, the general plan area was divided into 17 areas in order to compare land use characteristics between the alternatives. In most cases the area represent the tributary area to each street. The areas listed correspond with **Figure 4**. **Figure 5** shows the layout of the existing City flood control structures.

Table 2.3 – Existing Area Characteristics		
Areas	Area (ac.)	Impervious, C
1	11288.84	0.2279
2	7421.31	0.2342
3	7460.76	0.2329
4	7428.14	0.3077
5	7519.86	0.4683
6	7692.36	0.4674
7	8044.88	0.4411
8	9182.00	0.5434
9	5299.65	0.4219
10	5533.90	0.6126
11	5950.26	0.4582
12	4373.90	0.4001
13	4183.85	0.3411
14	4217.43	0.3110
15	4815.97	0.2440
16	37978.45	0.2104
17 (E AFB) ¹	27557.14	0.7398

Note: % Impervious was based on area average.

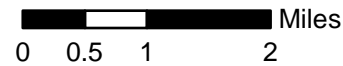
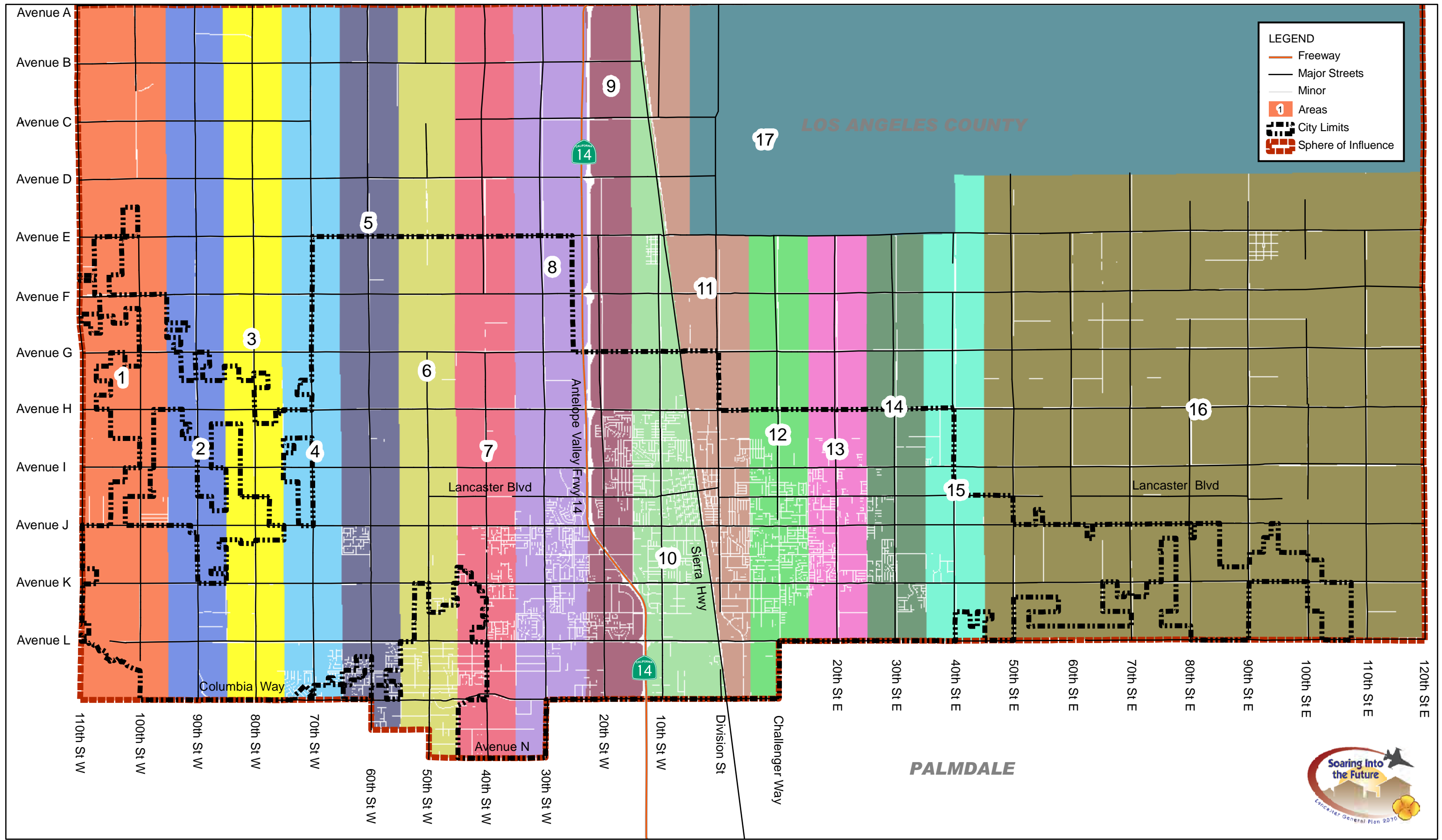
¹ Edwards Air force base

Source: City of Lancaster - Refer to Figure 3

The existing condition General Plan area consists of residential, institutional, industrial and commercial land uses. This study is intended only as a planning level investigation to determine proposed land use alternative project impacts to hydrology and water quality.

2.3 City of Lancaster Master Plan of Drainage

In 1992 the City adopted its Master Plan of Drainage based on the *Antelope Valley Comprehensive Plan*. The 1992 MPD adoption pre-dates (1997) the existing general plan land uses. The current version (January 2005) of the Master Plan of Drainage contains updated facilities and drainage fee schedules. The MPD incorporated studies done by private developers/engineers that have been approved by the City. The MPD was completed on a single drainage area within the City of Lancaster. Currently the City of Lancaster has a development fee schedule. City of Lancaster funds all Master Plan of Drainage facilities through the Drainage Impact fees and Drainage Maintenance Fees. The City currently charges \$4,064.76 per single-family dwelling unit or mobile home within a Multi-Family residential or Commercial Zone for planned local drainage facilities. Since 1984 the County has been collecting \$2,000 per unit in the surrounding unincorporated areas to fund regional improvements.



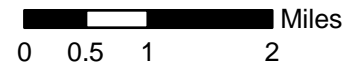
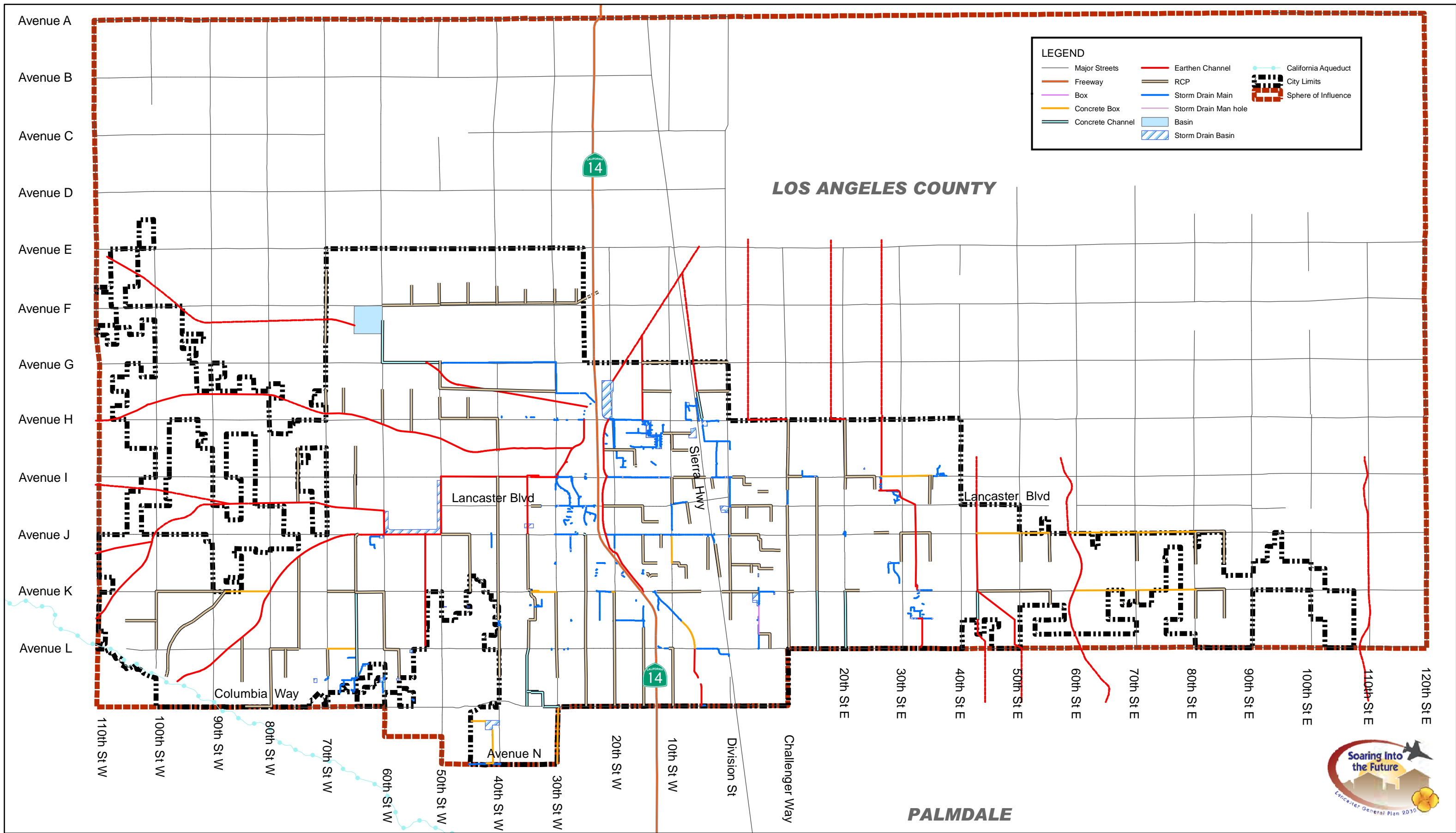
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CITY OF LANCASTER

Existing Conditions - Area Characteristics



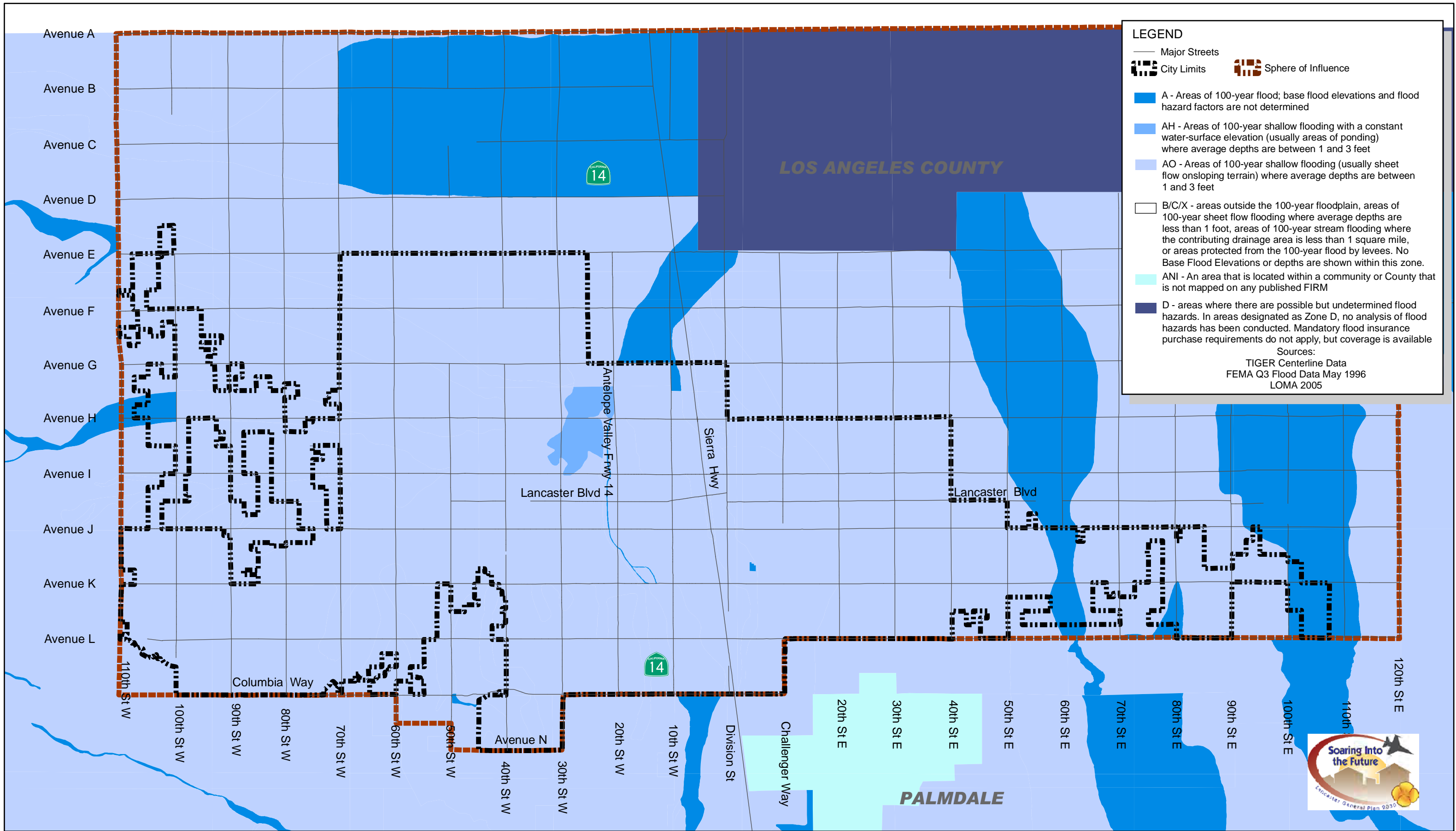
FIGURE 4



CITY OF LANCASTER
Existing City Flood Control Structures

2.4 Floodplain Mapping

Much of the City of Lancaster and its General Plan area are susceptible to flooding because of its relatively flat topography. The City of Lancaster is a participant in the National Flood Insurance Program (NFIP). Communities participating in the NFIP must adopt and enforce minimum floodplain management standards, including identification of flood hazards and flooding risks. Participation in the NFIP allows communities to purchase low cost insurance protection against losses from flooding. The published Flood Insurance Rate Maps (FIRMs) for the project area are included on Community Panel No. 060672 005B, 0010B, 0015B, 0020B. Most of the City is outside the 1% chance (100-year) flooding. Certain portions of the study limits lie in Zone A, AH, and AO that are areas of 100-year flooding. **Figure 6** shows the FEMA flood zones for the General Plan area.



LEGEND

- Major Streets
- City Limits
- Sphere of Influence
- A - Areas of 100-year flood; base flood elevations and flood hazard factors are not determined
- AH - Areas of 100-year shallow flooding with a constant water-surface elevation (usually areas of ponding) where average depths are between 1 and 3 feet
- AO - Areas of 100-year shallow flooding (usually sheet flow on sloping terrain) where average depths are between 1 and 3 feet
- B/C/X - areas outside the 100-year floodplain, areas of 100-year sheet flow flooding where average depths are less than 1 foot, areas of 100-year stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 100-year flood by levees. No Base Flood Elevations or depths are shown within this zone.
- ANI - An area that is located within a community or County that is not mapped on any published FIRM
- D - areas where there are possible but undetermined flood hazards. In areas designated as Zone D, no analysis of flood hazards has been conducted. Mandatory flood insurance purchase requirements do not apply, but coverage is available

Sources:
 TIGER Centerline Data
 FEMA Q3 Flood Data May 1996
 LOMA 2005

2.5 Storm Water Quality

As indicated in Section 1.2, storm water quality is a significant concern in Southern California. This section discusses typical pollutants found in storm water runoff and discusses the types of contaminants that may be found in existing storm water runoff.

2.5.1 Nonpoint Source Pollutants

A net effect of urbanization can be to increase pollutant export. However, an important consideration in evaluating storm water quality from the project is to assess if it impairs the beneficial use to the receiving waters. Nonpoint source pollutants have been characterized by the following major categories in order to assist in determining the pertinent data and its use. Receiving waters can assimilate a limited quantity of various constituent elements, however there are thresholds beyond which the measured amount becomes a pollutant and results in an undesirable impact. Background of these standard water quality categories provides an understanding of typical urbanization impacts.

Sediment - Sediment is made up of tiny soil particles that are washed or blown into surface waters. It is the major pollutant by volume in surface water. Suspended soil particles can cause the water to look cloudy or turbid. The fine sediment particles also act as a vehicle to transport other pollutants including nutrients, trace metals, and hydrocarbons. Construction sites are typically the largest source of sediment for urban areas under development.

Nutrients - Nutrients are a major concern for surface water quality. Phosphorous and nitrogen are of special concern because they can cause algal blooms and excessive vegetative growth. Of the two, phosphorus is usually the limiting nutrient that controls the growth of algae in lakes. The orthophosphorous form of phosphorus is readily available for plant growth. The ammonium form of nitrogen can also have severe effects on surface water quality. The ammonium is converted to nitrate and nitrite forms of nitrogen in a process called nitrification. This process consumes large amounts of oxygen, which can impair the dissolved oxygen levels in water. The nitrate form of nitrogen is very soluble and is found naturally at low levels in water. When nitrogen fertilizer is applied to lawns or other areas in excess of plant needs, nitrates can leach below the root zone, eventually reaching ground water. Orthophosphate from auto emissions also contributes phosphorus in areas with heavy automobile traffic. As a general rule of thumb, nutrient export is greatest from development sites with the most impervious areas. Other problems resulting from excess nutrients are 1) surface algal scums, 2) water discolorations, 3) odors, 4) toxic releases, and 5) overgrowth of plants. Common measures for nutrients are total nitrogen, organic nitrogen, total Kjeldahl nitrogen (TKN), nitrate, ammonia, total phosphate, and total organic carbon (TOC).

Trace Metals - Trace metals are primarily a concern because of their toxic effects on aquatic life and their potential to contaminate drinking water supplies. The most common trace metals found in urban runoff are lead, zinc, and copper. Fallout from automobile emissions is also a major source of lead in urban areas. A large fraction of the trace metals in urban runoff are attached to sediment and this effectively reduces the level, which is immediately available for biological uptake and subsequent bioaccumulation. Metals associated with the sediment settle out rapidly and accumulate in the soils. Also, urban runoff events typically occur over a shorter duration, which reduces the amount of exposure, which could be toxic to the aquatic environment. The toxicity of trace metals in runoff varies with the hardness of the receiving water. As total hardness of the water increases, the threshold concentration levels for adverse effects increases.

Oxygen-Demanding Substances - Aquatic life is dependent on the dissolved oxygen (DO) in the water and when organic matter is consumed by microorganisms then DO is consumed in the process. A rainfall event can deposit large quantities of oxygen demanding substance in lakes and streams. The biochemical oxygen demand of typical urban runoff is on the same order of magnitude as the effluent from an effective secondary wastewater treatment plant. A problem from low DO results when the rate of oxygen-demanding material exceeds the rate of replenishment. Oxygen demand is estimated by direct measure of DO and indirect measures such as biochemical oxygen demand (BOD), chemical oxygen demand (COD), oils and greases, and total organic carbon (TOC).

Bacteria - Bacteria levels in undiluted urban runoff exceed public health standards for water contact recreation almost without exception. Studies have found that total coliform counts exceeded EPA water quality criteria at almost every site and almost every time it rained. The coliform bacteria that are detected may not be a health risk in them, but are often associated with human pathogens.

Oil and Grease - Oil and grease contain a wide variety of hydrocarbons some of which could be toxic to aquatic life in low concentrations. These materials initially float on water and create the familiar rainbow-colored film. Hydrocarbons have a strong affinity for sediment and quickly become absorbed to it. The major source of hydrocarbons in urban runoff is through leakage of crankcase oil and other lubricating agents from automobiles. Hydrocarbon levels are highest in the runoff from parking lots, roads, and service stations. Residential land uses generate less hydrocarbons export, although illegal disposal of waste oil into storm waters can be a local problem.

Other Toxic Chemicals - Priority pollutants are generally related to hazardous wastes or toxic chemicals and can be sometimes detected in storm water. Priority pollutant scans have been conducted in previous studies of urban runoff, which evaluated the presence of over 120 toxic chemicals and compounds. The scans rarely revealed toxins that exceeded the current safety criteria. The urban runoff scans were primarily conducted in suburban areas not expected to have many sources of toxic pollutants (with the possible exception of illegally disposed or applied household hazardous wastes). Measures of priority pollutants in storm water include - 1) phthalate (plasticizer compound), 2) phenols and creosols (wood preservatives), 3) pesticides and herbicides, 4) oils and greases, and 5) metals.

2.5.2 Physical Characteristics of Surface Water Quality

Standard parameters, which can assess the quality of storm water, provide a method of measuring impairment. A background of these typical characteristics assists in understanding water quality requirements. The quantity of a material in the environment and its characteristics determine the degree of availability as a pollutant in surface runoff. In an urban environment, the quantity of certain pollutants in the environment is a function of the intensity of the land use. For instance, a high density of automobile traffic makes a number of potential pollutants (such as lead and hydrocarbons) more available. The availability of a material, such as a fertilizer, is a function of the quantity and the manner in which it is applied. Applying fertilizer in quantities that exceed plant needs leaves the excess nutrients available for loss to surface or ground water.

The physical properties and chemical constituents of water traditionally have served as the primary means for monitoring and evaluating water quality. Evaluating the condition of water through a water quality standard refers to its physical, chemical, or biological characteristics. Water quality parameters for storm water comprise a long list and are classified in many ways. In many cases, the concentration of an urban pollutant, rather than the annual load of that pollutant, is needed to assess

a water quality problem. Some of the physical, chemical or biological characteristics that evaluate the quality of the surface runoff are outlined below:

Dissolved Oxygen - Dissolved oxygen in the water has a pronounced effect on the aquatic organisms and the chemical reactions that occur. It is one of the most important biological water quality characteristics in the aquatic environment. The dissolved oxygen concentration of a water body is determined by the solubility of oxygen, which is inversely related to water temperature, pressure, and biological activity. Dissolved oxygen is a transient property that can fluctuate rapidly in time and space. Dissolved oxygen represents the status of the water system at a particular point and time of sampling. The decomposition of organic debris in water is a slow process and the resulting changes in oxygen status respond slowly also. The oxygen demand is an indication of the pollutant load and includes measurements of biochemical oxygen demand or chemical oxygen demand.

Biochemical Oxygen Demand (BOD) - The biochemical oxygen demand (BOD) is an index of the oxygen-demanding properties of the biodegradable material in the water. Samples are taken from the field and incubated in the laboratory at 20°C, after which the residual dissolved oxygen is measured. The BOD value commonly referenced is the standard 5-day values. These values are useful in assessing stream pollution loads and for comparison purposes.

Chemical Oxygen Demand - The chemical oxygen demand (COD) is a measure of the pollutant loading in terms of complete chemical oxidation using strong oxidizing agents. It can be determined quickly because it does not rely on bacteriological actions as with BOD. COD does not necessarily provide a good index of oxygen demanding properties in natural waters.

Total Dissolved Solids (TDS) - TDS concentration is determined by evaporation of a filtered sample to obtain residue whose weight is divided by the sample volume. The TDS of natural waters varies widely. There are several reasons why TDS is an important indicator of water quality. Dissolved solids affect the ionic bonding strength related to other pollutants such as metals in the water. TDS are also a major determinant of aquatic habitat. TDS affects saturation concentration of dissolved oxygen and influences the ability of a water body to assimilate wastes. Eutrophication rates depend on total dissolved solids.

pH - The pH of water is the negative log, base 10, of the hydrogen ion (H^+) activity. A pH of 7 is neutral; a pH greater than 7 indicates alkaline water; a pH less than 7 represents acidic water. In natural water, carbon dioxide reactions are some of the most important in establishing pH. The pH at any one time is an indication of the balance of chemical equilibrium in water and affects the availability of certain chemicals or nutrients in water for uptake by plants. The pH of water directly affects fish and other aquatic life and generally toxic limits are pH values less than 4.8 and greater than 9.2.

Alkalinity - Alkalinity is the opposite of acidity, representing the capacity of water to neutralize acid. Alkalinity is also linked to pH and is caused by the presence of carbonate, bicarbonate, and hydroxide, which are formed when carbon dioxide is dissolved. A high alkalinity is associated with a high pH and excessive solids. Most streams have alkalinities less than 200 mg/l and ranges of alkalinity of 100-200mg/l seem to support well-diversified aquatic life.

Specific Conductance - The specific conductivity of water, or its ability to conduct an electric current, is related to the total dissolved ionic solids. Long term monitoring a project waters can develop a

relationship between specific conductivity and TDS. Its measurement is quick and inexpensive and can be used to approximate TDS. Specific conductivities in excess of 2000 μ ohms/cm indicate a TDS level too high for most freshwater fish.

Turbidity - The clarity of water is an important indicator of water quality that relates to the ability of photosynthetic light to penetrate. Turbidity is an indicator of the property of water that causes light to become scattered or absorbed. Suspended clays and other organic particles cause turbidity. It can be used as an indicator of certain water quality constituents such as predicting the sediment concentrations.

Nitrogen (N) - Sources of nitrogen in storm water are from the additions of organic matter to water bodies or chemical additions. Ammonia and nitrate are important nutrients for the growth of algae and other plants. Excessive nitrogen can lead to eutrophication since nitrification consumes dissolved oxygen in the water. Nitrogen occurs in many forms. Organic Nitrogen breaks down into ammonia, which eventually becomes oxidized to nitrate-nitrogen, a form available for plants. High concentrations of nitrate-nitrogen (N/N) in water can stimulate growth of algae and other aquatic plants, but if phosphorus (P) is present, only about 0.30 mg/l of nitrate-nitrogen is needed for algal blooms. Some fish life can be affected when nitrate-nitrogen exceeds 4.2 mg/l. There are a number of ways to measure the various forms of aquatic nitrogen. Typical measurements of nitrogen include Kjeldahl nitrogen (organic nitrogen plus ammonia); ammonia; nitrite plus nitrate; nitrite; and nitrogen in plants. The principal water quality criteria for nitrogen focus on nitrate and ammonia.

Phosphorus (P) - Phosphorus is an important component of organic matter. In many water bodies, phosphorus is the limiting nutrient that prevents additional biological activity from occurring. The origin of this constituent in urban storm water discharge is generally from fertilizers and other industrial products. Orthophosphate is soluble and is considered to be the only biologically available form of phosphorus. Since phosphorus strongly associates with solid particles and is a significant part of organic material, sediments influence concentration in water and are an important component of the phosphorus cycle in streams. The primary methods of measurement include detecting orthophosphate and total phosphorus.

2.5.3 Existing Storm Water Quality

The project site lacks any measured data on storm water runoff quality. In the absence of site-specific data, expected storm water quality can be qualitatively discussed by relating typical pollutants to specific land uses.

Currently, the General Plan area contains residential dwellings, commercial buildings, and institutional buildings. The expected existing pollutants in the existing condition storm water runoff from the developed areas of Lancaster are oil and grease from automobile use. Pollutants associated with residential, commercial and institutional development include trash, nutrients, bacteria, oil and grease, and household hazardous wastes. The undeveloped areas could add suspended solids in the storm water runoff.

3.0 PROPOSED PROJECT

A qualitative analysis was performed to determine the impacts on hydrology, floodplain mapping and water quality for the Lancaster General Plan Update land use alternatives. To evaluate the impacts of the land use alternatives for the General Plan area, the analysis was based on a comparison of tributary area, and proposed change in percent impervious.

3.1 Proposed Land Uses

The proposed condition will be analyzed using two land use alternatives, Balanced Growth Alternative (**Figure 7**) and Preferred Plan Alternative (**Figure 8**). The proposed project would consist of a combination of new uses, expansion of certain existing uses and rehabilitation of the existing residential areas. **Table 3.1** provides a detailed breakdown of the proposed land uses.

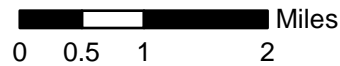
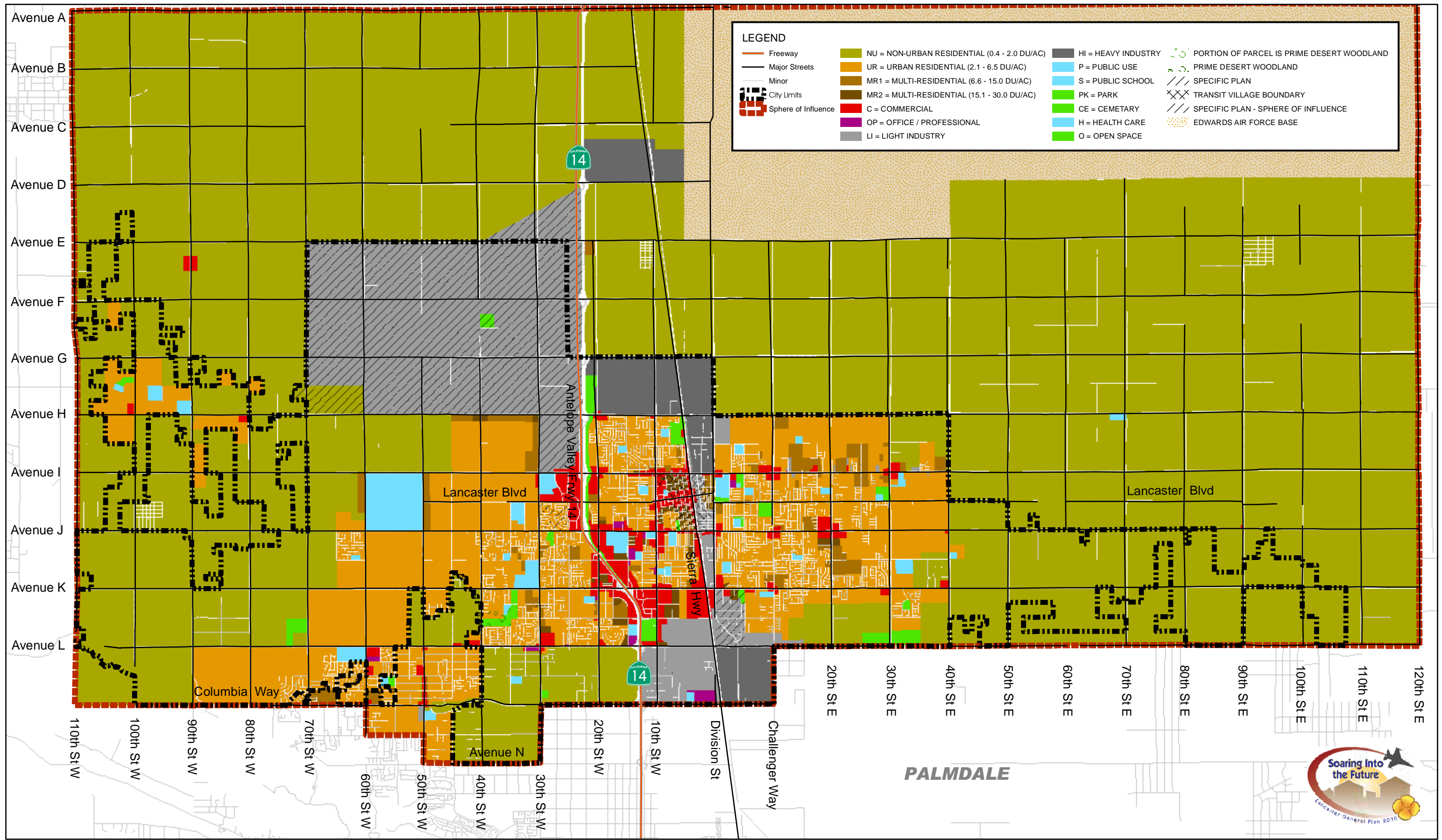
Table 3.1 – Proposed Condition Land Use Distribution						
	Balanced Growth			Preferred Plan		
	Area (sq. ft)	Area (ac.)	Area (sq. mi.)	Area (sq. ft)	Area (ac.)	Area (sq. mi.)
Commercial	95,168,356	2,185	3.41	105,957,682	2,432	3.80
Cemetery	-	-	-	-	-	-
Health Care	6,242,292	143	0.22	5,545,834	127	0.20
Heavy Industrial	117,683,865	2,702	4.22	117,683,865	2,702	4.22
Light Industrial	473,202,386	10,863	16.97	455,706,227	10,462	16.35
Multi-Residential 1	1,265,418,548	29,050	45.39	1,264,913,721	29,038	45.37
Multi-Residential 2	16,085,636	369	0.58	14,665,179	337	0.53
Mixed Use	22,350,713	513	0.80	58,745,058	1,349	2.11
Non-Urban Residential	4,391,789,986	100,822	157.53	4,391,749,389	100,821	157.53
Open Space	42,394,743	973	1.52	42,375,678	973	1.52
Office/Professional	5,899,241	135	0.21	5,228,715	120	0.19
Public Use	66,213,159	1,520	2.38	66,909,617	1,536	2.40
Park	-	-	-	-	-	-
Public School	-	-	-	-	-	-
Urban Residential	750,625,365	17,232	26.92	723,593,327	16,611	25.96
		166,508	260.17		166,508	260.17

3.2 Hydrologic Parameters

Proposed evaluation for the different land uses were analyzed in a similar manner to the existing condition i.e. comparison of tributary area, and proposed change in percent impervious. Hydrologic parameter used in the analysis, such as impervious values for the land uses, is presented in the *Los Angeles County Hydrology Manual*. Refer to Table 2-2 for the land uses and impervious values used in this study.

3.2.1 Proposed Watershed Description

For this analysis it was assumed that the proposed watershed would be the same as the existing. The drainage pattern for the areas flows generally to the north. Storm flow conveyance in the project area is generally within the existing streets. The hydrologic analysis presented here is meant to show

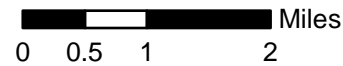
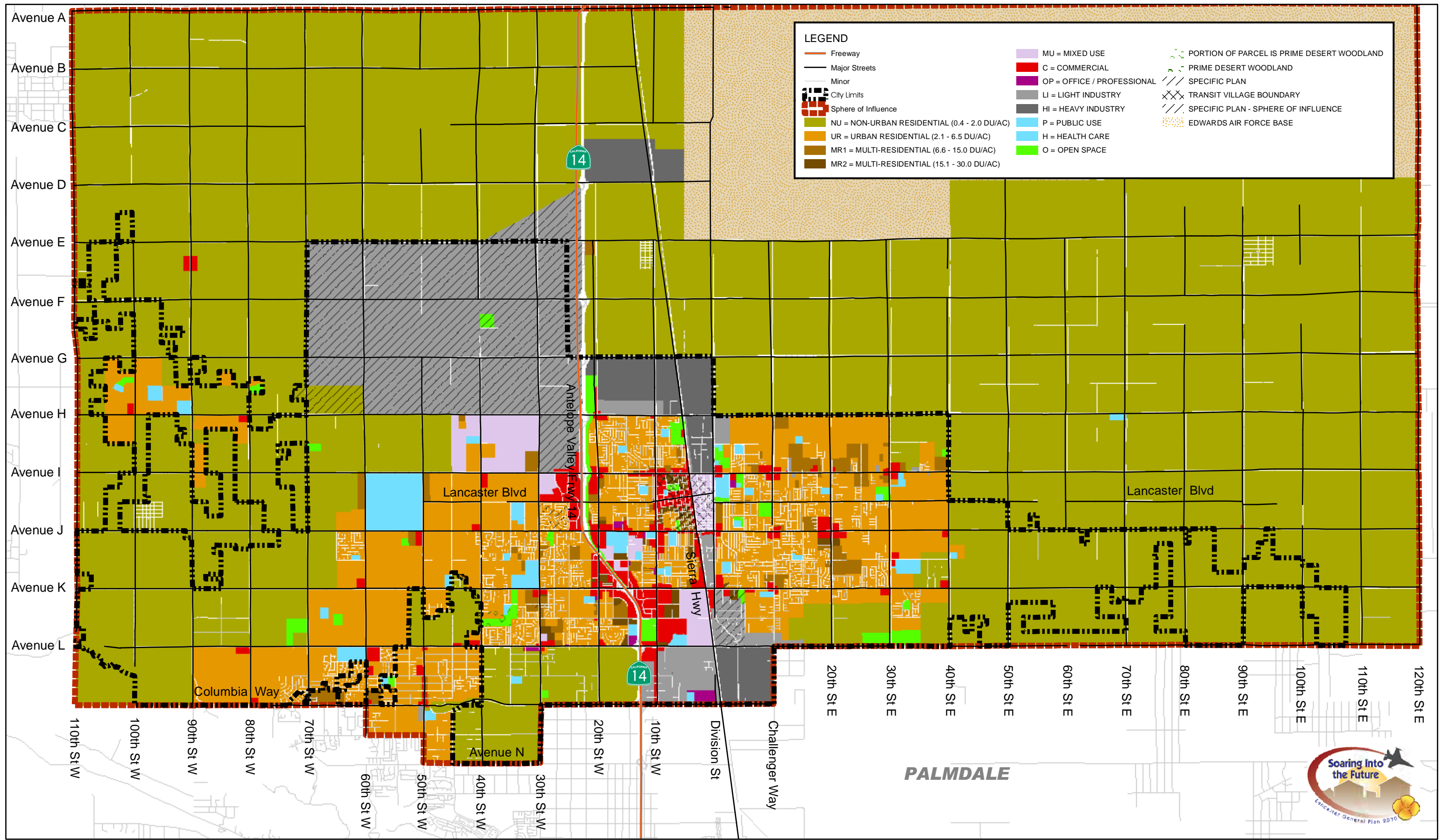


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CITY OF LANCASTER
Balanced Growth Alternative

FIGURE 7



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CITY OF LANCASTER

Preferred Plan Alternative

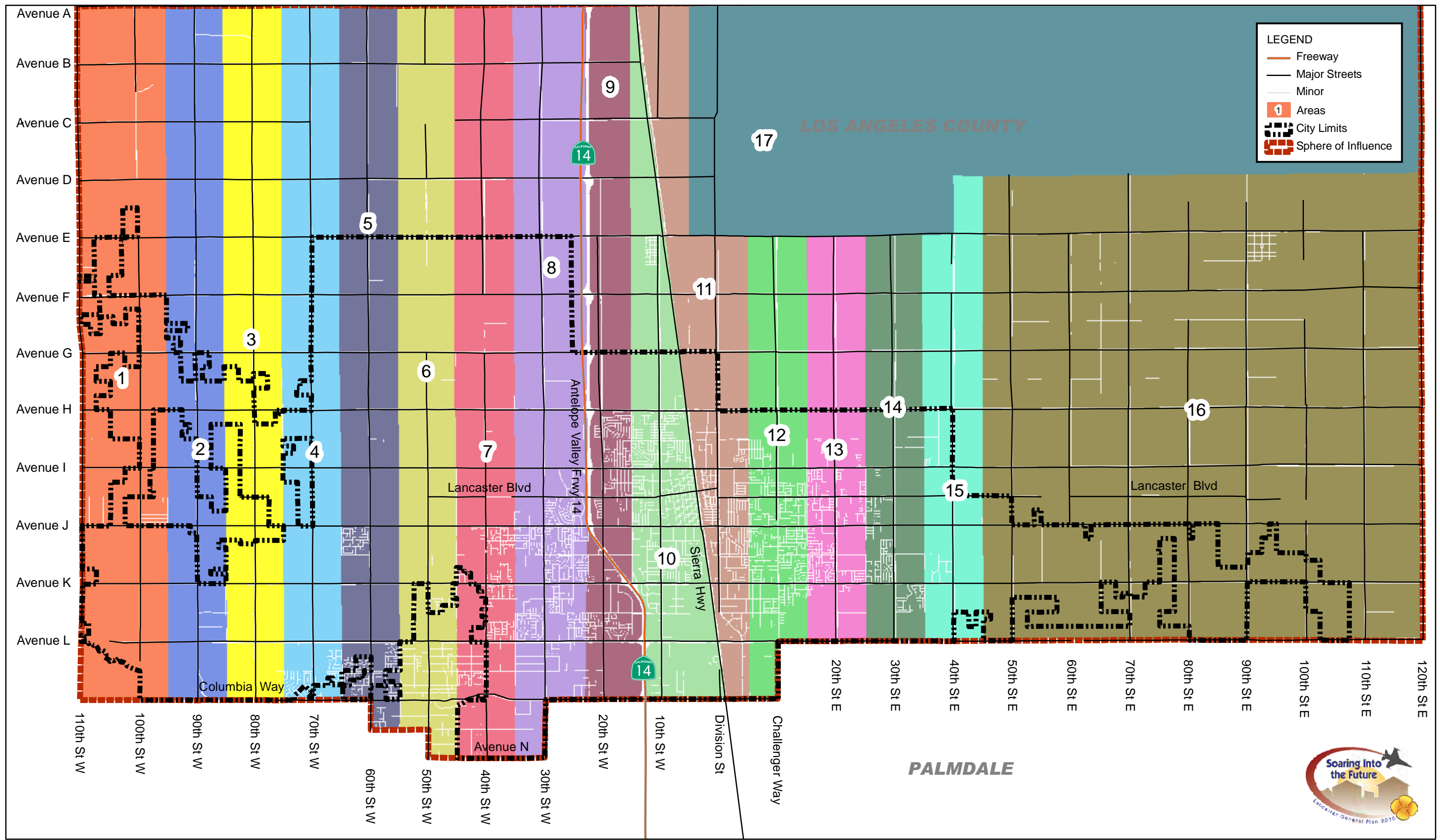
FIGURE 8

net changes as a result of the proposed general plan alternatives only. A more detailed analysis would be required to assess exact facility impacts. **Table 3.2** shows the area characteristics for the proposed 2 alternatives. The areas listed correspond with **Figure 9**.

Table 3.2 – Proposed Conditions Percent Impervious			
Area	Area (ac.)	Impervious, C – Balanced Growth	Impervious, C – Preferred Plan
1	11288.84	0.2263	0.2263
2	7421.31	0.2346	0.2346
3	7460.76	0.2340	0.2347
4	7428.14	0.3102	0.3089
5	7519.86	0.4747	0.4720
6	7692.36	0.4678	0.4693
7	8044.88	0.4461	0.4693
8	9182.00	0.5479	0.5607
9	5299.65	0.4223	0.4234
10	5533.90	0.6153	0.6156
11	5950.26	0.4619	0.4626
12	4373.90	0.4011	0.4011
13	4183.85	0.3417	0.3421
14	4217.43	0.3179	0.3180
15	4815.97	0.2459	0.2459
16	37978.45	0.2105	0.2105
17 (E AFB) ¹	27557.14	0.7398	0.7398

¹E AFB – Edwards Air Force Base

The areas and the composite impervious values for the proposed condition were compared to the existing condition analysis to identify any impacts on the drainage facilities due to the proposed Lancaster General Plan Update.



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CITY OF LANCASTER

Proposed Conditions - Area Characteristics



FIGURE 9

3.3 Floodplain Mapping

Portions of the General Plan area lies in zones identified as having a 1% chance of flooding. These areas include area 8, 9, 10, 11, 15 and 16. Mitigation measures are discussed in **Section 4.3**

3.4 Storm Water Quality

The general water quality of the project site is expected to deteriorate as a result of the proposed project. This is due to the proposed increase in impervious area. **Section 4.0** details the proposed mitigation to address future and existing water quality issues in the General Plan area.

4.0 PROPOSED IMPACTS AND SUGGESTED MITIGATION

Mitigation would reduce impacts as a result of the development and revitalization of City of Lancaster and the approved Sphere of Influence. The following section discusses both storm water conveyance and storm water quality mitigation measures.

4.1 Hydrologic and Hydraulic Impacts

The City of Lancaster General Plan Update project would result in a slight increase in the amount of impervious areas for both proposed land use alternatives. The proposed land use alternatives would not result in the study area to be build out but for the purpose of the analysis build out condition is assumed. **Table 4.1** shows the area average imperviousness for each alternative broken down by segment of the study area. **Table 4.2** shows the percentage increase of imperviousness for the existing and proposed land uses. The potential for hydrologic impacts of the proposed project would require mitigation. The majority of the flows may be contained in the streets, however a storm drain system maybe needed at certain locations to carry the runoff and avoid flooding the neighborhoods.

The hydrologic parameter comparison of the percentage impervious presented here is meant to show expected net changes as a result of the general plan land use alternatives only. A more detailed analysis would be required to assess exact facility impacts.

Table 4.1 – Comparison Area Characteristics			
Area	Exist - Impervious, C	Alt1 - Impervious, C	Alt2 - Impervious, C
1	0.2279	0.2263	0.2263
2	0.2342	0.2346	0.2346
3	0.2329	0.2340	0.2347
4	0.3077	0.3102	0.3089
5	0.4683	0.4747	0.4720
6	0.4674	0.4678	0.4693
7	0.4411	0.4461	0.4693
8	0.5434	0.5479	0.5607
9	0.4219	0.4223	0.4234
10	0.6126	0.6153	0.6156
11	0.4582	0.4619	0.4626
12	0.4001	0.4011	0.4011
13	0.3411	0.3417	0.3421
14	0.3110	0.3179	0.3180
15	0.2440	0.2459	0.2459
16	0.2104	0.2105	0.2105
17	0.7398	0.7398	0.7398

Table 4.2 – Comparison Area Characteristics		
Area	Balance Growth - Existing	Preferred Plan - Existing
1	-0.72%	-0.72%
2	0.19%	0.19%
3	0.47%	0.74%
4	0.81%	0.39%
5	1.36%*	0.79%*
6	0.10%	0.42%
7	1.14%*	6.41%*
8	0.83%*	3.17%*
9	0.10%	0.35%
10	0.44%	0.49%
11	0.82%	0.97%
12	0.24%	0.24%
13	0.18%	0.31%
14	2.21%*	2.26%*
15	0.80%	0.80%
16	0.03%	0.03%
17	0.00%	0.00%
	0.53%	0.99%

Note: (-) indicates decrease in imperviousness.

: (*) Signify impacts.

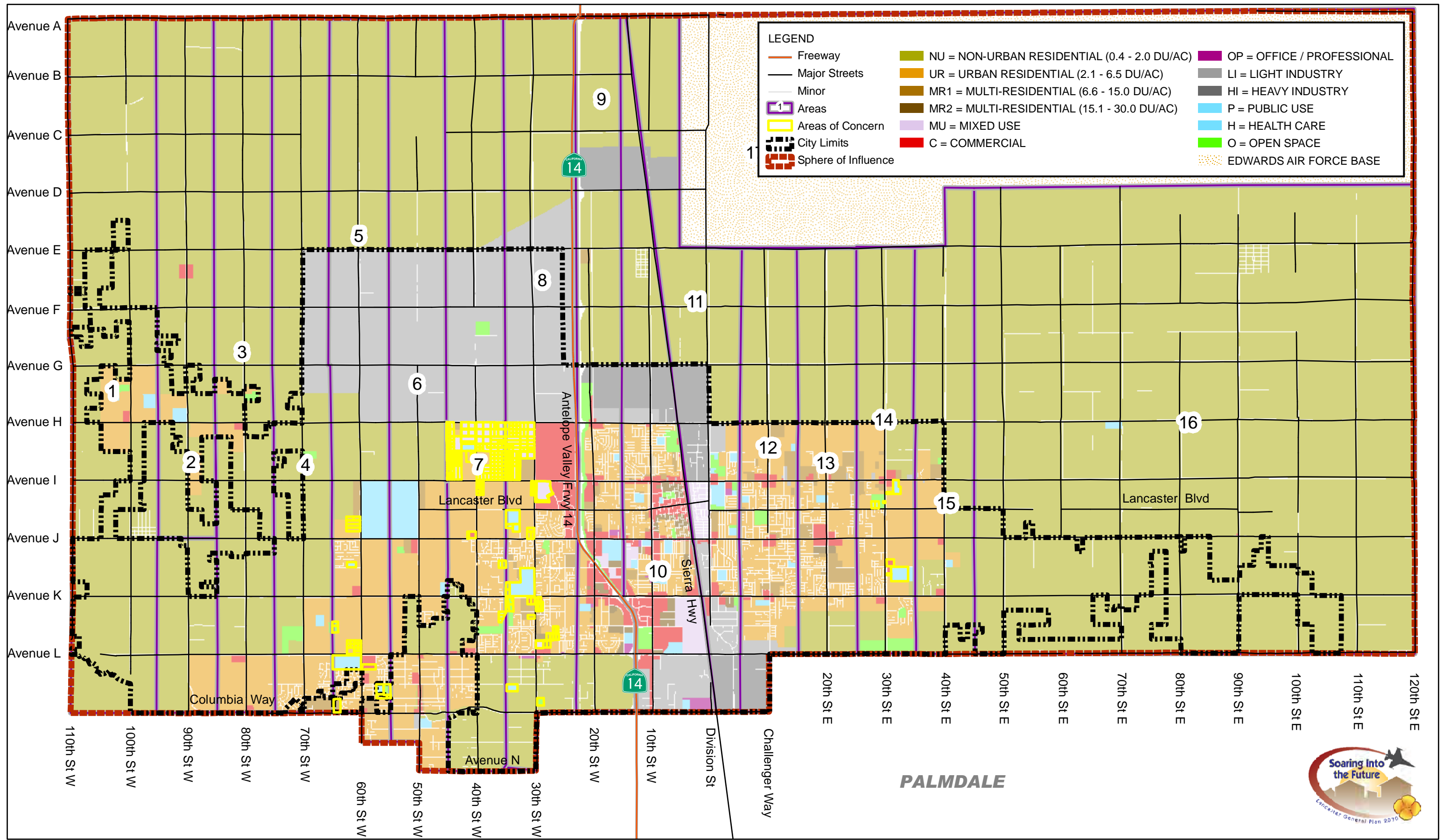
The results of this analysis indicate that there is an overall increase of 0.53% and 0.99% in percent impervious due to the proposed Balanced Growth Alternative and Preferred Plan Alternative, respectively. An increase of 1% or more in imperviousness would be considered a significant impact. These areas are shown on **Figure 10**.

Area 5 has a 1.36% & 0.79% increase in percent impervious, respectively. The proposed condition will include 240 acres and 193 acres of high-density multi-family residential and public use facilities, which is denser than the 1997 General Plan use of urban residential and park.

Area 7 has a 1.14% & 6.41% increase in percent impervious for the proposed land use alternatives. The proposed alternatives will include 98 acres and 492 acres, respectively. The denser land use is located between Avenue H and Avenue L along 40th Street West. The proposed changes in land use include mixed-use facilities and commercial sites. The existing condition uses urban and low-density residential land uses.

Area 8 has a 0.83% and 3.17% increase in percent impervious, respectively. This increase will include 284 acres and 526 acres of the total area for area 8. The denser land use for the proposed alternatives generally includes multi-residential, mixed use facilities and commercial land use located between Avenue H and Avenue M along 30th Street West. The areas are denser than the existing condition use of Urban Residential and Healthcare.

Area 14 has a 2.21% & 2.26% increase in percent impervious, respectively. The proposed condition land use will include 120 acres, which represents 2.66% of the total area for area 14. This increase is due to the denser land uses including commercial and public uses facilities that are denser than the existing low and high single family residential.



0 0.5 1 2 Miles

M:\Mdata\10104579\GIS\Lancaster_11x17_Figure10.mxd 05/29/08 JM KO

CITY OF LANCASTER
Land Use Impacts

FIGURE 10

Table 4.2 shows that there is a slight increase in the imperviousness due to the proposed General Plan update. This increase in imperviousness will lead to increase runoff within the City of Lancaster and may require mitigation to avoid impacting the existing storm drain and flood control facilities. Detailed analysis during the tentative map preparations would determine the need for mitigation in the areas listed in Table 4.2. Mitigation may include detention or retention basins and additional storm drains.

4.2 Master Plan of Drainage

The City of Lancaster should consider updating hydrology and planned facilities in the Master Plan of Drainage after the adoption of the 2030 General Plan. A comprehensive update is needed to address the proposed land use changes, assess facility impacts and update the drainage fee schedule.

4.3 Floodplain Impacts

Development occurring in the FEMA Flood zones identified in the proposed condition would be required to meet FEMA standards referenced in the City of Lancaster's Building Code. The Code requires new structures and substantial improvements to structures, be elevated at or above the base flood elevations or at least the depth specified in feet on the FIRM. The City ordinance requires that construction and substantial improvements be constructed to minimize flood damage. Non-residential construction shall be either elevated above the highest adjacent grade, at least as high as the depth number specified in feet on the FIRM, or at least two feet if no depth is specified. These structures will be flood proofed so that below the base flood level the structure is watertight with walls substantially impermeable to the passage of water. It also requires the structure to have structural components capable of resisting hydrostatic and hydrodynamic loads and effects of buoyancy.

4.4 Water Quality Impacts

The General Plan Update for the City of Lancaster would increase in impervious areas, resulting in impacts to storm water quality. The project could affect pollutant loading throughout the city especially in the urbanized area such as downtown Lancaster. Mitigation for water quality impacts is recommended following the guidelines from the SWMP. The following sections describe recommended Best Management Practices (BMP's) for the proposed project.

City of Lancaster Engineering Design Guidelines require:

- Coverage under National Pollution Discharge Elimination System (NPDES) General permit be obtained from the California State Water Resources Board for a site development of one acre or greater in area.
- Applicants shall prepare and submit a Notice of Intent (NOI) to comply with the Construction General Permit to the California State Water Resources Board.
- All dischargers prepare, retain at the construction site, and implement a Storm Water Pollution Prevention Plan (SWPPP) per requirements of the Construction General NPDES Permit.
- Clarifiers for all non-residential projects to treat the first flush.

4.3.1 Post-Construction Source Control BMPs

Examples of source control BMPs for stormwater problems include control of air pollutants, enforcement of anti-litter ordinances, educational programs (to limit fertilizer and pesticide use by home gardeners and dumping of waste motor oil in storm drains), street and storm drain maintenance practices, spill prevention and cleanup, and BMPs for erosion control.

4.3.2 Post-Construction Treatment Control

Examples of treatment control BMPs for stormwater include infiltration, wet ponds, extended detention basins, biofilters (such as grassy swales), media filtration (e.g., a settling basin followed by a sand filter), oil/water separators, and constructed wetlands. Because of differences in efficiency among BMPs, combinations of different methods often provide the best treatment.

Construction

The USEPA's guidance for the issuance of stormwater NPDES permits (USEPA 1993) treats construction projects as a subset of industrial discharges. The State Board treats industrial and construction discharges separately, and has issued a statewide construction NPDES permit. The permit applies to construction projects resulting in land disturbance of one acre or greater; the area requirement affects both one-time disturbances and phased projects that cumulatively disturb more than one acre. (A court decision may result in application of the NPDES program to smaller projects, but guidance is not yet available). The permit does not apply to routine or emergency maintenance work sponsored by public agencies, to dredging and/or filling permitted by the U.S. Army Corps of Engineers, or to projects on Indian lands or within the Lake Tahoe Basin. Project proponents are required to:

- Prepare a Stormwater Pollution Prevention Plan (SWPPP) before construction begins;
- File a Notice of Intent (NOI) with the State Board before construction begins; and
- File a Notice of Termination with the State Board once construction is complete.

These requirements are summarized as follows:

Notice of Intent: The NOI certifies that the applicant will comply with conditions in the statewide general NPDES permit. It is not a permit application and does not require approval, although an annual fee must be submitted with it.

Stormwater Pollution Prevention Plan: The SWPPP is directed toward construction staff; it describes erosion and runoff control measures to be used during and after construction, and a plan to inspect and maintain these control measures. The SWPPP may be revised during construction in response to changed conditions, or if the properly installed BMPs are ineffective in preventing sediment transport off the site. Revisions to the SWPPP are also required if there are changes in activities which could result in a significant amount of pollutants discharged in stormwater.

Notice of Termination: The State Board must be notified (via a Notice of Termination form) once construction is complete. It must also be notified if a change of ownership occurs during construction. In this case, a revised NOI must be submitted, and the SWPPP must be revised by the new owner to reflect any changes in construction conditions.

The general construction permit requires that the project owner arrange for maintenance of drainage/stormwater control facilities after project completion; maintenance may be done by private parties or by a public agency such as a community service district. Municipalities may require maintenance agreements. Construction project proponents may request to be placed under individual NPDES permits rather than the general permit. The Regional Board may issue individual stormwater NPDES permits to construction projects when more stringent controls are necessary to protect water quality. As noted above, individual construction projects may also be regulated under a municipality's NPDES management program.

5.0 REFERENCES

- Camp Dresser & McKee, et al., 1993. California Storm Water Best Management Practice Handbooks - Construction Activity. March 1993.
- Camp Dresser & McKee, et al., 1993. California Storm Water Best Management Practice Handbooks - Industrial/Commercial. March 1993.
- Camp Dresser & McKee, et al., 1993. California Storm Water Best Management Practice Handbooks - Municipal. March 1993.
- City of Lancaster. Storm Water Management Program, August 2003.
- Los Angeles County Department of Public Works, 2000. Development Planning for Storm Water Management - A Manual for the Standard Urban Storm water Mitigation Plan (SUSMP). May 2000.
- Los Angeles Department of Public Works. Hydrology Manual. January 2006
- Los Angeles Department of Public Works. Addendum to the Hydrology and Sedimentation Manual. June 2002.
- Los Angeles Department of Public Works. Hydrology and Sedimentation Appendix Manual. December 1990.



APPENDIX I

Biological Resources Appendix

**APPENDIX A. AVOIDANCE AND MITIGATION MEASURES FOR DESERT
TORTOISE**

- Informal consultation with the USFWS and CDFG shall be undertaken by the project proponent to determine the need for desert tortoise surveys, as the need for desert tortoise surveys would generally need to be determined on a case-by-case basis.
- The project proponent shall retain a qualified biologist with demonstrated expertise with desert tortoise to monitor all construction activities and assist the project proponent in the implementation of the monitoring program. This person will be approved by the USFWS prior to the onset of ground-disturbing activities. This biologist will be referred to as the authorized biologist hereafter. The authorized biologist will be present during all activities immediately adjacent to or within habitat that supports desert tortoise.
- Prior to the onset of construction activities, the project proponent shall provide all personnel who will be present on work areas within or adjacent to the project area the following information:
 - a. A detailed description of the desert tortoise including color photographs;
 - b. The protection the desert tortoise receives under the Endangered Species Act and possible legal action that may be incurred for violation of the Act;
 - c. The protective measures being implemented to conserve the desert tortoise and other species during construction activities associated with the proposed project; and
 - d. A point of contact if desert tortoises are observed.
- All trash that may attract predators of desert tortoises will be removed from work sites or completely secured at the end of each workday.
- Prior to the onset of any construction activities, the project proponent shall meet on-site with staff from the USFWS and the authorized biologist. The project proponent shall provide information on the general location of construction activities within habitat of the desert tortoises and the actions taken to reduce impacts to this species. Because desert tortoise may occur in various locations during different seasons of the year, the project proponent, USFWS, and authorized biologists will, at this preliminary meeting, determine the seasons when specific construction activities would have the least adverse effect on desert tortoise. For example construction during the time of year when desert tortoise are dormant would reduce impacts to this species. The goal of this effort is to reduce the level of mortality of desert tortoise during construction.
- Where construction can occur in habitat where desert tortoise are widely distributed, work areas will be fenced in a manner that prevents equipment and vehicles from straying from the designated work area into adjacent habitat. The authorized biologist will assist in determining the boundaries of the area to be fenced in consultation with the USFWS and CDFG. All workers will be advised that equipment and vehicles must remain within the fenced work areas. Installation of the fencing and any necessary surveys will be directed and/or conducted by the authorized biologist in concurrence with the USFWS and CDFG.
- If desert tortoises are found within an area that has been fenced to exclude the species, activities will cease until the authorized biologist moves the desert tortoises.
- If desert tortoises are found in a construction area where fencing was deemed unnecessary, work will cease until the authorized biologist moves the individual(s).

The authorized biologist in consultation with USFWS and CDFG will then determine whether additional surveys or fencing are needed. Work may resume while this determination is being made, if deemed appropriate by the authorized biologist.

- Any desert tortoises found during clearance surveys or otherwise removed from work areas will be placed in nearby suitable, undisturbed habitat. The authorized biologist will determine the best location for their release, based on the condition of the vegetation, soil, and other habitat features and the proximity to human activities. Clearance surveys shall occur on a daily basis in the work area.
- The authorized biologist will have the authority to stop all activities until appropriate corrective measures have been completed.
- Staging areas for all construction activities will be located on previously disturbed upland areas designated for this purpose. All staging areas will be fenced.
- The project proponent shall restrict work to daylight hours, except during an emergency, in order to avoid nighttime activities when desert tortoise may be present on the access road. Traffic speed should be maintained at 20 mph or less in the work area.

The project proponent shall follow the Tortoise Handling Guidelines as identified below:

- Avoiding hyperthermia - Do not expose a tortoise to direct sunlight. It should be kept in the shade of the biologist's body, a shrub, a truck, etc.
- Avoiding transmission of Upper Respiratory Tract Disease (URTD) - At all times, tortoises shall be handled as if they have URTD, and in such a way that disease will not be transmitted from one tortoise to another.
- Treating clothing - Tortoises shall not be allowed to contact clothing. If this should happen, clothes shall be changed before handling another tortoise. Contaminated clothes should be washed before they are worn again while handling tortoises.
- Treating vehicles - The Service recommends washing vehicle undercarriages and tires prior to traveling from a site where URTD is known or expected to occur to a site where URTD has not been reported.
- Treating processing implements - The tips of calipers, which contact tortoises during shell measurements, may be covered with material to avoid direct contact with a tortoise and therefore contamination of the calipers.
- Sterilizing solutions - The Service requires sterilization of all materials that contact a tortoise in one of the following solutions: (a) 95 percent isopropyl alcohol, (b) 95 percent ethyl alcohol, or (c) 25 percent solution of chlorine bleach and water.
- Maintaining sterile conditions - Before touching a tortoise, the Service requires that the biologist wear clean latex disposable gloves and that they be worn during the entire process.

APPENDIX B. MITIGATION MEASURE FOR SWAINSON'S HAWK

(a) Projects within one mile of an active nest tree shall provide:

One acre of HM land (at least 10 percent of the HM land requirements shall be met by fee title acquisition or a conservation easement allowing for the active management of the habitat, with the remaining 90 percent of the HM lands protected by a conservation easement [acceptable to the CDFG] on agricultural lands or other suitable habitats that provide foraging habitat for Swainson's Hawk) for each acre of development authorized (1:1 ratio); or

One-half acre of HM land (all of the HM land requirements shall be met by fee title acquisition or a conservation easement [acceptable to the CDFG] which allows for the active management of the habitat for prey production on the HM lands) for each acre of development authorized (0.5:1 ratio).

(b) Projects within five miles of an active nest tree but greater than one mile from the nest tree shall provide 0.75 acre of HM land for each acre of development authorized (0.75:1 ratio). All HM lands protected under this requirement may be protected through fee title acquisition or conservation easement (acceptable to the CDFG) on agricultural lands or other suitable habitats that provide foraging habitat for Swainson's Hawks.

(c) Projects within 10 miles of an active nest tree but greater than five miles from an active nest tree shall provide 0.5 acre of HM land for each acre of urban development authorized (0.5:1 ratio). All HM lands protected under this requirement may be protected through fee title acquisition or conservation easement (acceptable to the CDFG) on agricultural lands or other suitable habitats that provide foraging habitat for Swainson's Hawks.

Management Authorization holders/project sponsors shall provide for the long-term management of the HM lands by funding a management endowment (the interest on which shall be used for managing the HM lands).



APPENDIX J

Hazardous Materials Database Search

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

BUTLER OIL CO. - (MAP)

3301 EAST AVE I
 LANCASTER, CA 935350000
 LOS ANGELES COUNTY
FACILITY TYPE: PERMITTED
PROGRAM TYPE: HAZARDOUS WASTE FACILITY

PERMIT RENEWAL LEAD:
PERMIT RENEWAL SUPERVISOR:
EPA ID:
SITE CODE:
ASSEMBLY DISTRICT:
SENATE DISTRICT:

ALEJANDRO GALDAMEZ
 RAYMOND LECLERC
 CAD981426539
 300491
 36
 17

COMMUNITY INVOLVEMENT

Status

SITE/FACILITY TYPE

HAZ WASTE - OPERATING PERMIT
 - PERMITTED ACTIVITIES: TANK STORAGE
 - ACCEPTS OFFSITE WASTE

CLEANUP STATUS

EVALUATION NEEDED

Facility History

Butler Oil Facility is located at 3301 East A Avenue I, Lancaster, California, 95540. The facility is located in the mixed residential/industrial part of the City of Lancaster. It is a used oil transfer and storage facility under a Standardized Hazardous Waste Facility Permit issued on December 29, 1997 and expired on December 2007. Butler is currently operating under the expired permit because Butler has submitted a timely renewal application.

The site was previously used for the fuel storage and distribution; however, the fuel tanks have been out of use since 2004. Butler Management has been in the petroleum business since 1972, and has managed used oil since 1990. The facility employs one tanker truck with approximately 2,700 gallon capacity used solely for milk run operations and not for storage. One 10,295 gallon above ground tank and one 550 gallon above ground tank used for the storage of used oil. The facility only accepts Used Oil as the waste stream to be managed.

Permitted Units - Completed Activities

UNIT	EVENT DESCRIPTION	DATE	COMMENTS
MULTIPLE UNITS	NOTICE OF DEFICIENCY (24KB)	10/29/2007	
MULTIPLE UNITS	PART B CALL-IN (25KB)	3/22/2007	
MULTIPLE UNITS	FINAL DETERMINATION	12/29/1997	
MULTIPLE UNITS	FINAL PERMIT EFFECTIVE (1,355KB)	12/29/1997	STANDARDIZED HAZARDOUS WASTE FACILITY PERMIT ISSUED 12/29/1997
MULTIPLE UNITS	PUBLIC NOTICE	10/15/1997	
MULTIPLE UNITS	DETERMINED TO BE COMPLETE AND TECHNICALLY ADEQUATE	10/15/1997	

Units Undergoing Closure - Completed Activities

NO PERMIT ACTIVITIES HAVE BEEN COMPLETED FOR THIS SITE

Completed Cleanup Activities

NO CLEANUP ACTIVITIES HAVE BEEN COMPLETED FOR THIS SITE

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SITE NAME	ADDRESS	CITY	COUNTY	SITE TYPE	STATUS	
7-11 #17837	44011 SIERRA HWY	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
7-11 #18020	304 AVE I E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
7-11 #19597	00844 AVE J E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
7-ELEVEN/SOUTHLAND CORP #19597	844 E AVE J	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT
A-1 AUTO REPAIR	43607 SIERRA HWY	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
AIR LANE MOBILE HOME PARK	MR. AND MRS. JHON & DOROTHY KN	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
ALLIANCE SERVICE STATION	1007 W AVENUE I	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
AMERICAN GAS & MINI MART	1354 W AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ANTELOPE ACRES MARKET	48011 90TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ANTELOPE PARK MUTUAL WATER COMPANY	MR. DON HAMILTON	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
ANTELOPE VALLEY BUS	660 AVE L W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
ANTELOPE VALLEY BUS INC	44706 YUCCA AVE N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
ANTELOPE VALLEY BUS INC	660 W AVENUE L	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ANTELOPE VALLEY CATTLE & MILL	42164 N 40TH ST E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
ANTELOPE VALLEY DAIRY	9753 AVE F-8 E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
ANTELOPE VALLEY DISTRIBUTION	43851 NORTH DIVISION STREET	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT
ANTELOPE VALLEY FAIRGROUND	155 AVE I E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
ANTELOPE VALLEY HOSPITAL	1600 W AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ANTELOPE VALLEY INDIAN MUSEUM STATE PARK	5290 (BILL VERDERY) 43779 15TH ST.,	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
ANTELOPE VALLEY MOSQUITO ABAT	127 OLDFIELD ST W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
ANTELOPE VALLEY POPPY RESERVE STATE PARK	(BILL VERDERY) 43779 15TH ST.	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
ANTELOPE VALLEY SCH TRANS	670 W AVENUE L8	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ANTELOPE VALLEY SCH. TRANSP. AGENCY	670 AVENUE L-8	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT
ANTELOPE VALLEY SCHOOLS TRANS	670 AVE L8 W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP

ANTELOPE VLY DIST F B C IND	43851 DIVISION ST	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
AQUA J MUTUAL WATER COMPANY	MR. HENRY SORCELLI	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
ARCO #1917	1326 AVE K	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
ARCO #1917	1326 AVE K	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
ARCO #3030	918 LANCASTER ST W	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
ARCO #5678	2008 AVE I W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
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ARCO #5686	111 WEST AVE K	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT
ARCO #6180	44407 10TH ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
ARCO #6180	44407 10TH STREET EAST	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT
ARCO PRODUCTS	42420 N 60TH STREET WEST	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
ARCO PRODUCTS #01917	1326 W AVENUE K	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ARCO PRODUCTS #03030	918 W LANCASTER BLVD	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ARCO PRODUCTS #05678	2008 W AVENUE I	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ARCO PRODUCTS #05686	111 W AVENUE K	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ARCO PRODUCTS #05813	42420 60TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
ARCO PRODUCTS #06180	44407 N 10TH STREET EAST	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT
ARCO PRODUCTS #06180	44407 CHALLENGER WAY	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
AV JOINT UNIF HI SCH & DISTRICT OFFICES	AV JOINT UNION HI SCHOOL & DIS	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
AV READY MIX	42201 DIVISION ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
AVE L & BUSINESS CTR GAS STN	421 E AVENUE L	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
AVERYDALE MWC	633 3045 E. AVENUE H-6	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
BAXTER MUTUAL WATER CO.	38799 46124 E. 125TH ST	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
BIG NINE MARKET	8841 E AVE J	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
BIG NINE MARKET	8841 E AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
BIO-GRO SYSTEMS-LANCASTER	140TH ST WEST AND AVE A	LANCASTER	LASSEN	LANDFILL	OPEN	REPORT
BLEICH FLATS MUTUAL	MR. CHUCK SKELTON, PRESIDENT	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
BLUE SKIES MOBILE HOME PARK	COOGAN/BROWNING PROPERTIES	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
BP WEST COAST PRODUCTS, LLC	111 W. AVE K	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT
BRIERWOOD MHP C/O CITY OF LANCASTER	45800 CHALLENGER WAY	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
BUCKNER WILSON FABRICATORS	3033 AVE I E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
BUTLER SCALES	43859 SIERRA HWY	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT SHOW ON

BUTLER SCALES	43859 SIERRA HWY	LANCASTER	LOS ANGELES	UST	N/A	REPORT	MAP SHOW ON MAP
CALIF HIGHWAY PATROL	2041 W AVENUE I	LANCASTER	LOS ANGELES	UST	N/A	REPORT	MAP SHOW ON MAP
CALIFORNIA STATE PRISON	44750 60TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	MAP SHOW ON MAP
CALIFORNIAN MOBILE HOME PARK	MR. AND MRS. DEE & RUTH SAGERS	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
CALTRANS LANCASTER	44023 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP

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CALTRANS MAINTENANCE STATION	44023 SIERRA HIGHWAY	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT
CHALLENGER MEMORIAL YOUTH CENTER	L.A. COUNTY PROBATION DEPARTME	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
CHALLENGER MOBIL SERVICE	849 E AVENUE I	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CHALLENGER YOUTH CENTER	5300 W. AVENUE I	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
CHEVRON #9-5509	1004 AVE I W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
CHEVRON #9-7932	100 AVE J E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
CHEVRON #9-7989	857 AVE K W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
CHEVRON TAJMAHAL	1752 W AVENUE K	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CHEVRON USA SS 091274	1860 W AVENUE I	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CHEVRON USA SS 097989	857 W AVENUE K	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CHEVRON USA SS 201268	4163 W AVENUE L	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CHEVRON USA SS 205672	2301 W LANCASTER BLVD	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CITY OF HAYWARD, FIRE STATION #2	22847 W AVENUE D	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CITY OF LANCASTER	44733 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT SHOW ON MAP
CITY OF LANCASTER	540 AVE J W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT
CITY OF LANCASTER	46008 7TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CITY OF LANCASTER	44933 FERN AVE	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CITY OF LANCASTER FORMER MOBIL	505 AVE J W	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT SHOW ON MAP
CITY OF LANCASTER, SOCCER COMPLEX	CITY OF LANCASTER, SOCCER COMP	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
CLAY STREET PROPERTIES	2033 AVE J	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT SHOW ON MAP
CLEAR SKIES MOBILE HOME RANCH	MR. G. DIEHL / MR. H. BOOKER	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
COLORADO MUTUAL	MS. DELORIS NUCKLES	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
CONTINENTAL BAKING	44117 DIVISION ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT SHOW ON MAP
COSTCO WHOLESALE	44669 VALLEY CENTRAL WAY	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CRESTVIEW MOBILE HOME COMMUNITY	TOWER MANAGEMENT	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS
CRUISE THRU DAIRY	504 E AVENUE K	LANCASTER	LOS ANGELES	UST	N/A	REPORT SHOW ON MAP
CSP - RED ROCK	1375 1051 WEST AVENUE M, SUITE	LANCASTER	KERN	WELL	N/A	VIEW PWS

							WELLS	
CANYON	201							
DAKOTA VENTURES- LANCASTER	42011 SIERRA HWY	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP	
DEL SUR GARDENS TRAILER PARK	37692 YAN WOO LEE	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS		
DEL SUR SCHOOL / WESTSIDE UNION	WESTSIDE UNION SCHOOL DISTRICT	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS		
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SITE NAME	ADDRESS	CITY	COUNTY	SITE TYPE	STATUS		
DESERT MARKET	48406 90TH ST E	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
DESERT MARKET CORP	48406 N 90TH ST E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
DESERT PALMS MOBILE HOME PARK	MR. RUDOLPH BEBBER	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
DEWEY PEST CONTROL	45440 23RD ST N	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
DRC PUMP SYSTEMS	3604 AVE I E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
EASTSIDE UNION SCHOOL	EASTSIDE UNION SCHOOL DISTRICT	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
EASTSIDE UNION SCHOOL DISTRICT	6742 E AVENUE H	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
ECONO LUBE N'TUNE	2101 W AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
EL RANCHO MOBILE HOME PARK	M.H.P., INC.	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
ELITE CAR WASH	44267 DIVISION ST. N	LANCASTER	MADERA	LUFT	OPEN	REPORT	
ELITE CAR WASH	44267 DIVISION ST	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
ENDURO PLUMBING CO	1055 W AVENUE L12 #L-12	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
EVERGREEN MUTUAL WATER COMPANY	MR. GLEN SCHRAMM	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
FIRE STATION #129	421 AVENUE M W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
FORM CHEVRON FACILITY #1001488	45218 SIERRA HWY AVE I	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
FORMAL RENTAL SERVICES CORP	44110 YUCCA AVE	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
FORMER EVERST ECONOMY GAS	610 WEST AVENUE I	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
FORMER UNOCAL SS # 0773	44856 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
FOX AIR TANKER BASE	4555 W AVE G, SUITE 15	LANCASTER	LOS ANGELES	SLIC	OPEN	REPORT	SHOW ON MAP
FRANK MCHUGH	310 WEST I AVE	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
FUSON FARMS INC / USDA	28041 AVE C-6 W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
FUSON FARMS INC/USDA	28041 AVE C-6 W	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
GEMCO STORE #521 FORMER	1333 AVE K W	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
GIFFORD COLE PROPERTY	46402 100TH ST NE	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
GOLDEN SANDS MOBILE HOME PARK	L. D. FLICKINGER COMPANY	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
GOODYEAR TIRE	43729 15TH ST W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
GORRINDO TEXACO	44339 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
GREEN PASTURES DAIRY	1661 AVE K W	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP

GREEN PASTURES DAIRY	1661 W AVENUE K	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
GTE CALIFORNIA	762 W KETTERING ST	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP

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H W HUNTER INC / CRYSLER DODGE	44733 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
HADDAD MOBIL SERVICE STA	505 W AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
HARTSHORN RANCH	10455 W AVENUE B	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
HENRY WALSMAN	44354 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
J G COLE AND SONS	42406 N 100TH ST E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
JACOBS OIL CO	221 AVE J W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
JACOBS OIL CO INC	560 W AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
JANA STORE FIXTURES	123 AVE J-5 W	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
JOHNSON FORD	45640 23RD ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
K-20 MINI MART	1850 W AVENUE K	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
K-20 MINI MART	1850 W AVENUE K	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
KAUFMAN & BOARD OF SO CAL INC	6000 AVE J W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LA CO DPW J FOX AIRFIELD	4555 WEST AVE G	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
LA CO DPW LANCASTER YARD	419 AVE J W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LA CO DPW ROAD RD DIV 551	4859 W AVENUE L12	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LA CO DPW ROAD RD DIV 555A	45122 N 70TH ST EAST	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
LA CO DPW SEWER MNT-NORTH YARD	45712 DIVISION ST	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LA CO DPW WM J FOX AIRFIELD	4555 W AVENUE G	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LA CO DPW WW LANCASTER YARD	419 W AVE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LA CO FD STA #084	5030 AVE W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LA CO HIGH DESERT HOSPITAL	44900 60TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LA CO SHERIFF LANCASTER STA	501 W LANCASTER BLVD	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LA CO SHERIFF LANCASTER STA	1010 W AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LA CO SHERIFF LANCASTER STATION	1010 W AVENUE J	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
LA CO SHERIFF MIRA LOMA FACIL	45100 60TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LA CO SHERIFFS DEPT MIRA LOMA	45100 N 60TH ST W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LADPW LANCASTER SUBYARD	45712 DIVISION ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LANCASTER CITY PK REC BLDG	43011 N 10TH ST WEST	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP

LANCASTER COMMUNITY HOSPITAL	43830 10TH ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LANCASTER COMMUNITY HOSPITAL	43830 10TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP

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LANCASTER FORD CO	44614 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LANCASTER FORD CO	44614 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LANCASTER LANDFILL	600 AVE F E	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
LANCASTER LF & GW TRTMT DSCHRG	600 E AVE F	LANCASTER	LOS ANGELES	LANDFILL	OPEN	REPORT	
LANCASTER MOBILE HOME PARK	47455 DIVISION ST	LANCASTER	SAN DIEGO	WELL	N/A	VIEW PWS WELLS	
LANCASTER MOVING AND STORAGE	44813 YUCCA AVE N	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
LANCASTER PARK MOBILE HOME PARK	1111 MRS. JOAN SMITH	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
LANCASTER RENTALS	43631 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
LANCASTER SHELL	866 W AVENUE I	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LANCASTER WATER COMPANY	MR. ART KEARIN, PRESIDENT	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
LANDALE MUTUAL WATER COMPANY	LANDALE MUTUAL WATER COMPANY	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
LEISURE LAKE MOBILE HOME PARK	48303 N. 20TH STREET WEST	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
LITTLE MINI MART #101	538 W AVENUE J # 101	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LITTLE MINI MART #103	310 W AVENUE I # 103	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LITTLE OIL CO	44125 YUCCA AVE	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
LITTLE OIL COMPANY	44125 N YUCCA AVENUE	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
LOCUST GROVE MOBILE HOME PARK	LOCUST GROVE MOBILE HOME PARK	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
MAYFLOWER GARDENS	6570 AVE L-12 W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
METTLER VALLEY MUTUAL	MR. KEN KEETON, PRESIDENT	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
MINUTE SERVICE DAIRY INC	1159 E AVENUE I	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
MIRA LOMA HIGH DESERT HOSPITAL	L.A. COUNTY SHERIFF	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
MISSION INDUSTRIES	619 AVE I W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
MISSION INDUSTRIES	44926 YUCCA AVE N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
MITCHELL'S AVENUE E MOBILE HOME PARK	MS. PATTY NORRIS	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
MOBIL #11-MM8 (FORMER)	861 AVE I W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP

MOBIL MINI MART	101 EAST AVENUE J	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
MOBIL MINI MART	101 E AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
MOBIL OIL CORP S/S #18-DX9	2343 W AVENUE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
MOBIL SERVICE STATION #10-MMW	44358 10TH ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
MONAHANS ELECTRIC	45318 N SIERRA HWY	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	

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MONTE VISTA ALTA DENA DAIRY	44949 N 10TH STREET WEST	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
NEENACH SCHOOL	WESTSIDE UNION SCHOOL DISTRICT	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
NU-EASE INC	42644 VALLEY LINE RD N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
PERRY MORGAN	7362 AVE G W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
PETRO LOCK INC	45315 TREVOR AVE	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
PETRO LOCK INC.	45315 TREVOR AVENUE	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
PIOTE MUTUAL WC	43458 E. 145TH	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
PROVIDENCE MTNS SRA	MOJAVE DESERT STATE PARKS	LANCASTER	SAN BERNARDINO	WELL	N/A	VIEW PWS WELLS	
QUARTZ HILL SHELL	41966 50TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
QUARTZ HILLS HIGH SCHOOL	AVJOINT UNION HIGH SCHOOL DIST	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
RALPH MILLER PROPERTY	42851 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
RANCHO SIERRA ACRES	RANCHO SIERRA ACRES LTD.	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
REESEDALE MUTUAL	REESEDALE MUTUAL	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
ROTTMAN DRILLING CO	46471 DIVISION ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
S & R MARKET	46551 140TH STREET EAST, N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	
SCE - ANTELOPE VALLEY SERV CTR	42060 10TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
SHELL OIL PRODUCTS	44015 20TH STREET	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
SHELL SERVICE STATION	43620 CHALLENGER WAY	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	
SHELL STATION	866 AVE I W	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
SHEPPARD MUFFLER SERVICES	2003 AVE I W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
SHEPPARDS MUFFLER	2003 AVE I W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
SHERWOOD MOBILE HOME PARK	MR. BOB NYLUND	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
SKELTON DEVELOPMENT CORP	47076 KINGS CANYON RD	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
SMITH & THOMPSON WTF	230 WEST AVE J-9	LANCASTER	LOS ANGELES	LANDFILL	OPEN	REPORT	

SMITH'S VILLAGE MOBILE HOME PARK	12019 MR. AND MRS. WAYNE & DORIS SMI	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
SNAPPS SERVICE CENTER	44209 DIVISION ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
SOUTHERN CALIFORNIA GAS CO	44416 DIVISION ST	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
SOUTHERN CALIFORNIA GAS COMPANY	44416 DIVISION STREET, N	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
SOUTHERN PACIFIC TRANS. CO.	44922 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
SOUTHLAND CORP SS 15968	3210 W AVE L	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
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SOUTHLAND CORP SS 19597	844 E AVE J	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
SUNDALE MUTUAL WATER COMPANY A, B	SUNDALE MUTUAL WATER COMPANY	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
SUPER KWIK DAIRY	4358 W. AVENUE L	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
SUPER KWIK DAIRY	4358 W AVENUE L	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
TEXACO SERVICE STATION	221 AVE J W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
TEXACO SERVICE STATION	44358 10TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
TEXACO/EQUILON #61-058-2051	43620 CHALLENGER WAY	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
TEXACO/EQUILON #61-058-2205	44015 20TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
THE DAIRY	44419 DIVISION ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
THE DAIRY	44419 DIVISION ST	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
TIERRA BONITA MUTUAL WATER COMPANY	MR. DOUGLASS GAUDI, PRESIDENT	LANCASTER	LOS ANGELES	WELL	N/A	VIEW PWS WELLS	
TIM HADAYA	42356 50TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
TIM'S MOBIL SERVICE	1020 W AVENUE M	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
TIMBER PROPERTIES	46400 80TH ST	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
TIMBER PROPERTIES	46401 80TH ST	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
TOSCO - 76 STATION #5570 (FORMER)	43559 N 10TH STREET	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
TOSCO - 76 STATION #5570 (FORMER)	43559 N 10TH STREET	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
TOSCO/UNOCAL #30924	43559 10TH ST W	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
TUNEUP MASTERS	1244 AVE I W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
TUPACK'S LIQUOR	2802 EAST AVENUE I	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	
TUPAKS LIQUORS	2802 E AVENUE I	LANCASTER	LOS ANGELES	UST	N/A	REPORT	SHOW ON MAP
UNKNOWN	42142 VALLEY LINE RD N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
UNKNOWN	20544 AVE J-12 E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
UNKNOWN	41021 38TH ST W	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
UNKNOWN	8506 AVE K E	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
UNKNOWN	44633 SIERRA HWY N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
UNOCAL #0773	44856 SIERRA HWY	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP

UNOCAL #4295	1354 AVE J W	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
UNOCAL BULK PLANT #345	44141 YUCCA AVE N	LANCASTER	LOS ANGELES	LUFT	OPEN	REPORT	SHOW ON MAP
W A THOMPSON INC	45819 DIVISION ST N	LANCASTER	LOS ANGELES	LUFT	CLOSED	REPORT	SHOW ON MAP
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SITE NAME	ADDRESS	CITY	COUNTY	SITE TYPE	STATUS
WALSMA OIL INC	44141 YUCCA AVE	LANCASTER	LOS ANGELES	UST	N/A REPORT SHOW ON MAP
WASTE MANAGEMENT OF LANCASTER	600 E AVENUE F	LANCASTER	LOS ANGELES	UST	N/A REPORT SHOW ON MAP
WASTE MANAGEMENT OF LANCASTER	WASTE MANAGEMENT OF LANCASTER	LANCASTER	LOS ANGELES	WELL	N/A VIEW PWS WELLS
WEST VALLEY COUNTY WATER DISTRICT	25479 MS. KATHLEEN RENER	LANCASTER	LOS ANGELES	WELL	N/A VIEW PWS WELLS
WESTERN SKIES MOBILE HOME PARK	CBA SILVER INC.	LANCASTER	LOS ANGELES	WELL	N/A VIEW PWS WELLS
WESTSIDE UNION SCHOOL HDQT	46809 W. 70TH ST.	LANCASTER	LOS ANGELES	WELL	N/A VIEW PWS WELLS
WILSONA ELEMENTARY SCHOOL	WILSONA SCHOOL DISTRICT	LANCASTER	LOS ANGELES	WELL	N/A VIEW PWS WELLS
WILSONA GARDENS MUTUAL	WILSONA GARDEN MUTUAL WATER CO	LANCASTER	LOS ANGELES	WELL	N/A VIEW PWS WELLS
WILSONA SCHOOL DISTRICT	16757 E AVE M-8	LANCASTER	LOS ANGELES	UST	N/A REPORT SHOW ON MAP
WINTERHAVEN MOBILE ESTATES	MR. TERRY SOLOMON	LANCASTER	LOS ANGELES	WELL	N/A VIEW PWS WELLS
WOODLAND HILLS HONDA	43607 10TH ST W	LANCASTER	LOS ANGELES	LUFT	CLOSED REPORT SHOW ON MAP

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