

Appendix G

Cultural Resources Study



An Employee-Owned Company

December 5, 2016

Ms. Cynthia Curtis
County of San Diego
Department of Public Works
Environmental Services Unit MS O-385
5510 Overland Avenue, Suite 410
San Diego, CA 92123

Reference: Cultural Resources Study for the McClellan-Palomar Airport Master Plan Update
(RECON Number 8455-1)

Dear Ms. Curtis:

This letter report provides the methods and results used for the cultural resources study for the McClellan-Palomar Airport Master Plan Update. This format follows the negative cultural resources format per the County of San Diego Report Format and Content Requirements Cultural Resources: Archaeological and Historic Resources (2007). This format appears appropriate given the lack of significant archaeological resources within the project footprint.

Project Location

County:	San Diego
USGS 7.5' Quadrangle:	San Luis Rey and Encinitas, 1997, unsectioned portions of Agua Hedionda landgrant, T12S, R4W
Thomas Bros. Map:	Page 1127, Grids C2, D2, E2, C3, D3, and E3
Address:	2198 Palomar Airport Road, Carlsbad, CA 92011
Elevation:	240–320 feet above mean sea level
Survey Type:	Record Search
Date of Survey:	n/a
Field Crew:	n/a

Description

The County of San Diego Department of Public Works is preparing a Program Environmental Impact Report for the proposed new 20-year Master Plan Update for the McClellan-Palomar Airport in Carlsbad, San Diego County (Attachment 1: Figure 1). The Airport is on an unsectioned portion of the Agua Hedionda landgrant of Township 12 South and Range 4 West on the USGS 7.5-minute San Luis Rey and Encinitas quadrangles (Attachment 1: Figure 2). The Airport is located within existing County-owned property within the municipal boundary of the City of Carlsbad. The Master Plan project study area encompasses approximately 250 acres of active airfield, tenant leaseholds, aircraft and auto parking, passenger terminal building, and administrative facilities located north of Palomar Airport Road at Yarrow Drive (Attachment 1: Figure 3).

The Airport serves commercial, corporate, and general aviation in San Diego's North County. Airport operations began in 1959 with a single runway. Portions of the airfield and tenant leasehold areas are underlain by closed landfill (County of San Diego 2016). The current Airport Master Plan was completed in 1997 and is in need of an update. The McClellan-Palomar Airport Master Plan is a flexible, phased 20-year strategy to prioritize projects at the Airport that provide safety and operational enhancements.

The Master Plan uses technical studies, forecast data, Federal Aviation Administration (FAA) design engineering standards, and public involvement to support the modernization of the airport to maximize use

of existing airport property. Due to the long-range and phase implementation schedule of the Master Plan, design and construction details, project funding, FAA review and approval for each proposed element are not yet available. Therefore, the County intends to conduct an analysis of potential environmental impacts at the program level to consider the scope of the action as a whole, and as a series of interrelated projects. Following is the conceptual phased plan subject to funding:

Near-Term Projects (0–7 years)

- Elements to meet FAA’s safety and design standards for the C/D-III airport classification, including the Runway Safety Area of the existing runway/taxiway alignment.
 - Relocation of the glideslope building, segmented circle, windsock equipment.
 - Relocation of the vehicle service road.
- New Engineered Materials Arresting System on the western end of runway 06-24.
- Aircraft Rescue and Fire Fighting facility relocation.
- 200-foot extension of the current runway and taxiway “A.”
- Landside improvements to meet near-term aviation forecasts.

Intermediate Term Projects (8–12 years)

- Elements to clear the Runway Safety Area and the Runway Object Free Area of the ultimate runway/taxiway alignment.
 - Removal of aircraft fueling tank and parking on north ramp.
- Landside improvements to meet intermediate aviation forecasts.

Long-Term Projects (13–20 years)

- Movement of runway 06-24 123 feet to the north and all associated actions.
 - Reconstruction/removal of connector taxiways.
 - Relocation of the engineered materials arresting system (EMAS) on the western end of the new runway alignment.
 - Relocation of navigated aids.
 - Additional 600-foot extension on the ultimate runway and taxiway “A.”
 - New EMAS in the eastern end of new runway alignment.
- Landside improvements to meet long-term aviation forecasts.

Record Search

RECON conducted a record search at the California Historical Resources Information System, South Coastal Information Center at San Diego State University (Confidential Attachment 1). Based on record search data, 15 past investigations have been in portions of the plan area (Table 1). There are 74 cultural resources recorded within the one-mile buffer (Table 2). Included are 65 prehistoric sites (shell scatters, lithic scatters, ceramic scatters, hearths/roasting pits, bedrock milling features, ground stone artifacts), 3 prehistoric isolated artifacts, 3 historic buildings, 1 multi-component site (prehistoric and historic), and 2 unknown site types. Of these, only one cultural resource (CA-SDI-6835) is located partially within the boundary of the plan area. CA-SDI-6835 was first recorded in 1978 as a lithic and shell scatter (Franklin 1978). The site was determined not significant in 1982 during a survey. In 1989, an assessment of the site was completed at the site for the Palomar Airport Center Project. During the survey, the site was not relocated and was presumed to have been destroyed by placement of fill soils in the area. The site was found not significant under CEQA criteria (Pignuolo 1989). Because it was not significant under CEQA criteria, the site would also not be eligible for listing on the National Register of Historic Place. Currently the area where the site is mapped has been developed by an industrial building and parking lot.

Table 1. Past Investigations within Portions of the Plan Area

Report No.	Year	Author	Title	Resources
SD-00102	1979	Archaeological Planning Collaborative	Archaeological Records Search and Reconnaissance Survey Carlsbad Pacific Property	37-006683, 37-006833, 37-007229, 37-007230
SD-00103	1980	Archaeological Planning Collaborative	Archaeological Records Search and Field Survey, Palomar Airport Excess Effluent Pipeline, San Diego County	37-006832, 37-008303
SD-01329	1989	Pigniolo, Andrew	Cultural Resource Investigation: SDI-6835 (W-1895) within Palomar Airport Center Project	37-06835
SD-01377	1974	Fink, Gary	Archaeological Survey for the Proposed Palomar Airport Master Plan Project No. UJ0089	N/A
SD-01579	1986	Wade, Sue and Susan Hector	Archaeological Monitoring of the Encina Gas Pipeline Project: Profiles of Subsistence Patterns along the South Shore of Agua Hedionda	37-006132, 37-006133, 37-006134, 37-006830, 37-008303
SD-01892	1990	Smith, Brian	Phase I Constraints Analysis Results of an Initial Cultural Resources Survey of the Palomar Airport Road and El Camino Real Road Widening Project	N/A
SD-01984	1980	WESTEC Services	Regional Historic Preservation Study	37-000209, 37-000210, 37-000211, 37-000212, 37-000600, 37-000601, 37-000602, 37-000603, 37-000608, 37-000610, 37-000626, 37-000627, 37-000628, 37-000629, 37-000630, 37-000690, 37-000691, 37-000692, 37-000693, 37-000694, 37-000695, 37-000696, 37-000760, 37-001014, 37-004358, 37-005077, 37-005213, 37-005214, 37-005353
SD-04088	1997	Gallegos, Dennis and Carolyn Kyle	Historical/Archaeological Survey for the Carlsbad Municipal Golf Course Project	N/A
SD-04111	1982	Seeman, Larry	Draft Environmental Impact Report Revised Parks and Recreation Element, Carlsbad	N/A
SD-04611	1982	WESTEC Services	Draft Environmental Impact Report Airport Business Center	37-004357, 37-004358, 37-004359, 37-004852, 37-004853, 37-004854, 37-004855, 37-004856, 37-004857, 37-004858, 37-004860, 37-005117, 37-005118, 37-005353, 37-006132, 37-006133, 37-006135, 37-006149, 37-006753, 37-006754, 37-006819, 37-006820, 37-006821, 37-006829, 37-006832, 37-006835, 37-007229, 37-007230, 37-008195
SD-08050	1999	Gallegos, Dennis and Nina Harris	5000 Years of Occupation: Cultural Resource Inventory and Assessment Program for the Carlsbad Municipal Golf Course	37-006833, 37-006834, 37-008303, 37-008687, 37-008688, 37-008690, 37-008691, 37-008692, 37-008694, 37-008797, 37-009095, 37-015990
SD-10563	nd	Smith, David	Palomar Industrial Park	N/A
SD-12019	2004	Guerrero, Monica and Dennis Gallegos	Cultural Resource Survey for the Carlsbad Seawater Desalination Plant Project	N/A
SD-12647	2010	Robbins-Wade, Mary	Buena Outfall Force Main Phase III (CIP 8131) Archaeological Study	N/A
SD-14675	2012	Risso, Nancy	Turbojet Service to McClellan-Palomar Airport, Carlsbad	N/A

Table 2. List of Cultural Resources within One Mile of the Plan Area			
Map Key #	Primary	Trinomial	Site Type
1	P-37-009700		Shell midden; shellfish processing
2	P-37-015594	CA-SDI-014339	Historic complex: 3 concrete foundations; shell scatter
3	P-37-015593	CA-SDI-014338	Shell scatter; core; debitage
4	P-37-009701		Shell processing; shell midden deposit; bedrock milling; tools
5	P-37-015592	CA-SDI-014337	Tools; debitage; shell
6	P-37-018241		Building; Mid-20th Century, vernacular; 2-story; barn
7	P-37-018242		Building; Mid-20th century, vernacular; 1-story; house
8	P-37-021361	CA-SDI-016052	missing data
9	P-37-005224		Shell scatter; lithic scatter
10	P-37-016012		Isolate: 1 flake
11	P-37-005229		Lithic scatter
12	P-37-002715		Lithic scatter; tools
13	P-37-002722		Lithic scatter; ceramic scatter; rock shelter
14	P-37-005230		Shell scatter; lithic scatter
15	P-37-024172	CA-SDI-016050	Lithic scatter
16	P-37-002116		Isolated roasting pits
17	P-37-024176	CA-SDI-016054	Habitation site
18	P-37-002714		Bedrock milling; lithic scatter; tools
19	P-37-014231	CA-SDI-014063	Midden site (40 cm depth); shell; debitage; tools; imported lithic material
20	P-37-005092		Shell scatter
21	P-37-005117		Bedrock milling; tool
22	P-37-018385	CA-SDI-015588	Lithic scatter
23	P-37-005118		Bedrock milling
24	P-37-016011		Artifact scatter (small): groundstone, lithic tools, debitage
25	P-37-004853		Roasting Pit; FAR
26	P-37-004852		Lithic scatter; tool scatter
27	P-37-004854		Lithic scatter; tool scatter
28	P-37-004855		Lithic scatter; tool scatter
29	P-37-004857		Hearth; lithic scatter; FAR
30	P-37-004856		Lithic scatter; tool scatter; roasting pit
31	P-37-004357		Lithic scatter; tool scatter
32	P-37-004860		Hearth; FAR; charcoal
33	P-37-006820		Shell scatter; lithic scatter
34	P-37-006821		Shell scatter; lithic scatter; tools
35	P-37-012509		Shell Scatter
36	P-37-001016		Shell midden; hearths; bedrock milling features; FAR
37	P-37-006819		Shell scatter; lithic scatter; ceramics; tools
38	P-37-006835		Shell scatter; midden soil; FAR; tool
39	P-37-008693		Shell scatter; lithic scatter
40	P-37-006833		Shell midden; lithic scatter; tools
41	P-37-008691		Isolate: 1 core

Table 2. List of Cultural Resources within One Mile of the Plan Area			
Map Key #	Primary	Trinomial	Site Type
42	P-37-008690		Shell scatter; lithic scatter; tools
43	P-37-012026		Shell Scatter
44	P-37-010876		Disturbed fill deposit; shell midden; ceramics
45	P-37-009479		Shell midden; lithic scatter; tools
46	P-37-008692		Shell scatter
47	P-37-009478		Shell midden; lithic scatter; tools
48	P-37-008694		Deep midden soil; shell; lithics; tools; bedrock milling
49	P-37-006752		Shell midden; lithic scatter; tools
50	P-37-015992	CA-SDI-014565	Habitation site
51	P-37-011022		Surface shell scatter
52	P-37-015993	CA-SDI-014566	Short-term camp; disturbed
53	P-37-014232	CA-SDI-014064	Shell scatter; 1 flake; dark soil
54	P-37-006834		Shell scatter; lithic scatter; tool
55	P-37-015991	CA-SDI-014564	Specific use area; bedrock milling
56	P-37-008688		Shell scatter
57	P-37-015990	CA-SDI-014563	Habitation site
58	P-37-009095		Shell scatter; lithic scatter
59	P-37-008687		Shell scatter
60, 61, 67	P-37-008303		Large habitation site; dense shell midden; ceramics; stone tools; milling
62	P-37-016262		Isolate: 1 flake tool
63	P-37-009097		Shell scatter; lithic scatter; ceramic scatter
64	P-37-008793		Ceramic scatter; shell scatter
65	P-37-009650		Seed processing; groundstone; shell scatter; lithic scatter; tools
66	P-37-009651		Shell scatter; lithic scatter; tools
68	P-37-007229		Shell scatter
70	P-37-008695		site form missing at SCIC
69	P-37-006832		Shell midden; lithic midden; tools
71	P-37-008689		Midden soil; shell scatter; lithic scatter; tools
72	P-37-024426		Building; Spanish Eclectic; 1-story; house
73	P-37-009115		Shell midden
74	P-37-009116		Shell scatter
75	P-37-009114		Lithic scatter
76	P-37-007230		Lithic scatter; tool
cm = centimeter; FAR = fire-affected rocks; SCIC = South Coast Coastal Information Center			

Impacts

The records search indicated that there are no previously identified significant cultural resources within the plan area; therefore, future projects will not result in a substantial adverse impact to cultural resources per CEQA or per Section 106 guidelines. Because the majority of the Master Plan Update area has been developed and portions are underlain by three inactive landfill cells (from the 1970s), the potential of discovery of unidentified buried significant cultural resources is low. The likelihood of inadvertent discovery of human remains is also considered low. Should human remains be discovered, work shall halt in that area

Ms. Cynthia Curtis
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and the procedures set forth in the California Public Resources Code (Sec. 5097.98) and State Health and Safety Code (Sec. 7050.5) will be followed.

If you have any questions, please call me at 619-308-9333 extension 133 or e-mail me at czepeda@reconenvironmental.com.

Sincerely,



Carmen Zepeda-Herman
Archaeologist

CZH:jg

References Cited

Archaeological Planning Collaborative

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San Diego, County of

- 2016 Notice of Preparation: Draft Program Environmental Impact Report for the McClellan-Palomar Airport Master Plan, Carlsbad, San Diego County, California. On file at the County of San Diego Department of Public Works, County Airports.

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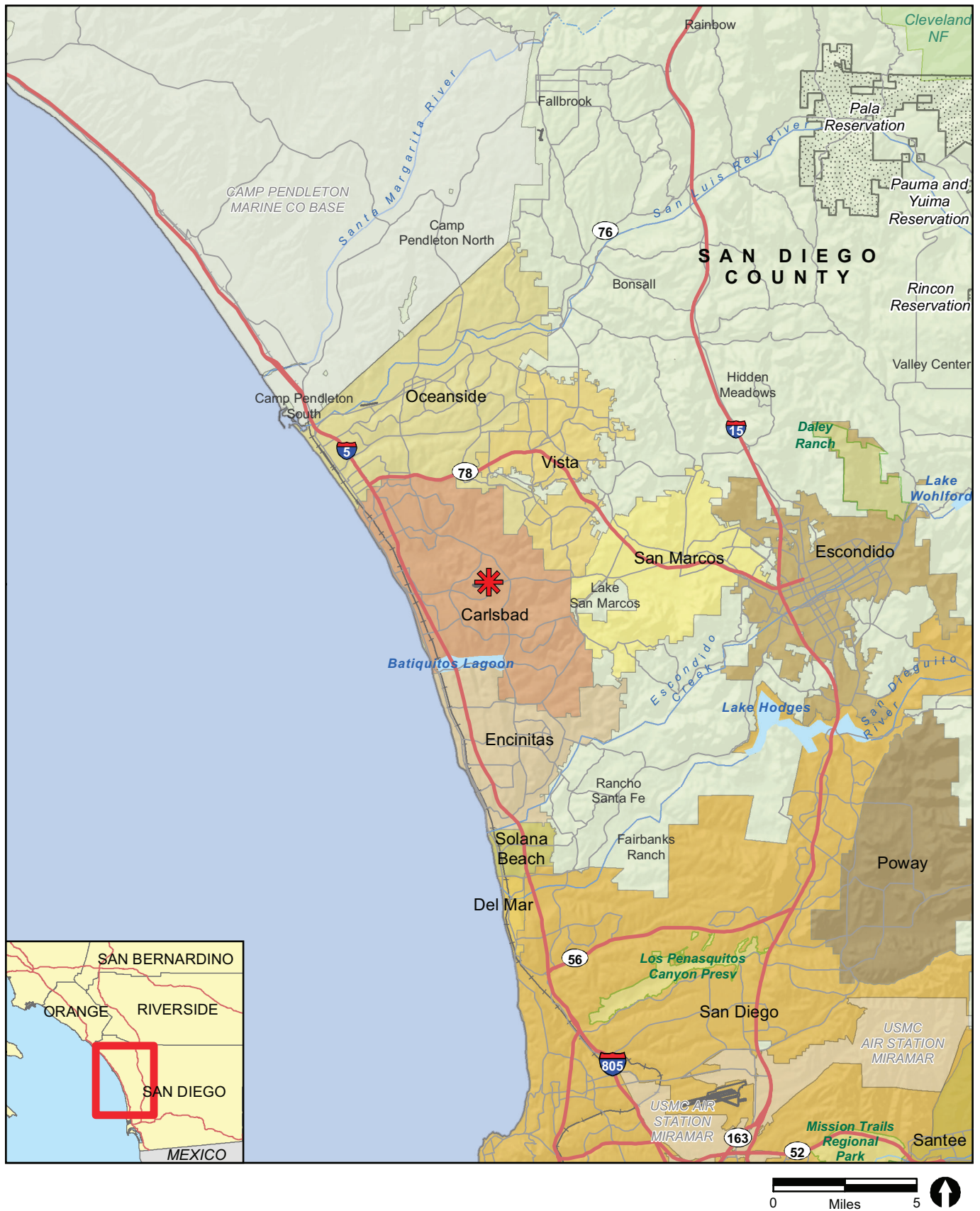
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- 1986 Archaeological Monitoring of the Encina Gas Pipeline Project: Profiles of Subsistence Patterns along the South Shore of Agua Hedionda. Unpublished Report on file with the South Coastal Information Center, San Diego State University.

WESTEC Services

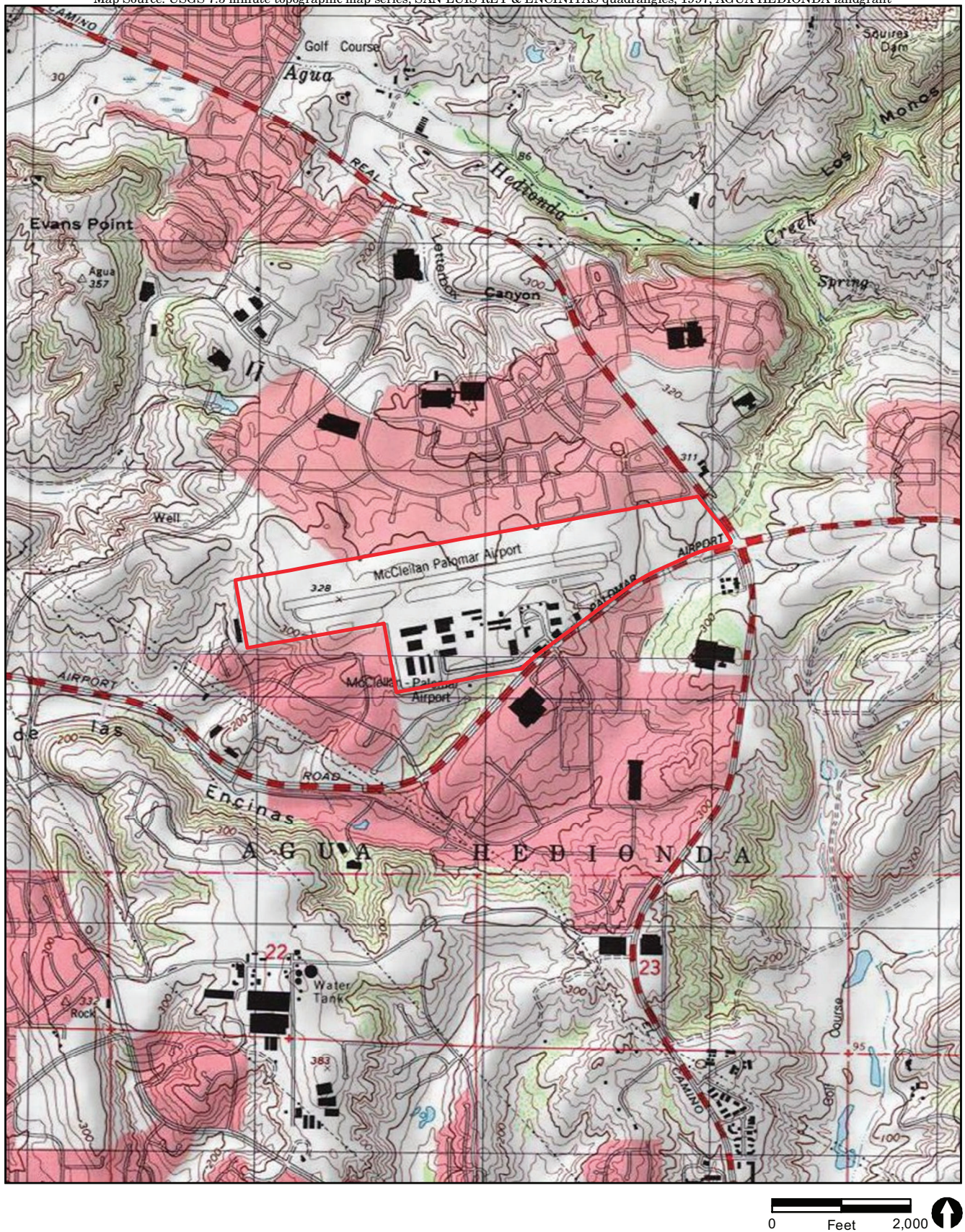
- 1980 Regional Historic Preservation Study. Unpublished report on file at the South Coastal Information Center, San Diego State University.
- 1982 Draft Environmental Impact Report Airport Business Center. Unpublished report on file at the South Coastal Information Center, San Diego State University.

ATTACHMENT 1



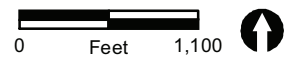
 Project Location

FIGURE 1
Regional Location



Project Boundary

Image Source: Nearmap (flown July 2016)



 Project Boundary

RECON

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FIGURE 3
Project Location on Aerial Photograph

CONFIDENTIAL ATTACHMENT 1

Not Available for Public Review