

Appendix G

Cultural Resources Study

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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 (Pigniolo 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 | Pignolo, 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

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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

- 1979 Archaeological Records Search and Reconnaissance Survey Carlsbad Pacific Property. Unpublished Report on file with the South Coastal Information Center, San Diego State University.
- 1980 Archaeological Records Search and Field Survey, Palomar Airport Excess Effluent Pipeline San Diego County. Unpublished Report on file with the South Coastal Information Center, San Diego State University.

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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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- 1990 Phase I Constraints Analysis Results of an Initial Cultural Resources Survey of the Palomar Airport Road and El Camino Real Road Widening Project. Unpublished report on file at the South Coastal Information Center, San Diego State University.

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- n.d. Palomar Industrial Park. Unpublished report on file at the South Coastal Information Center, San Diego State University.

Wade, Sue and Susan Hector

- 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

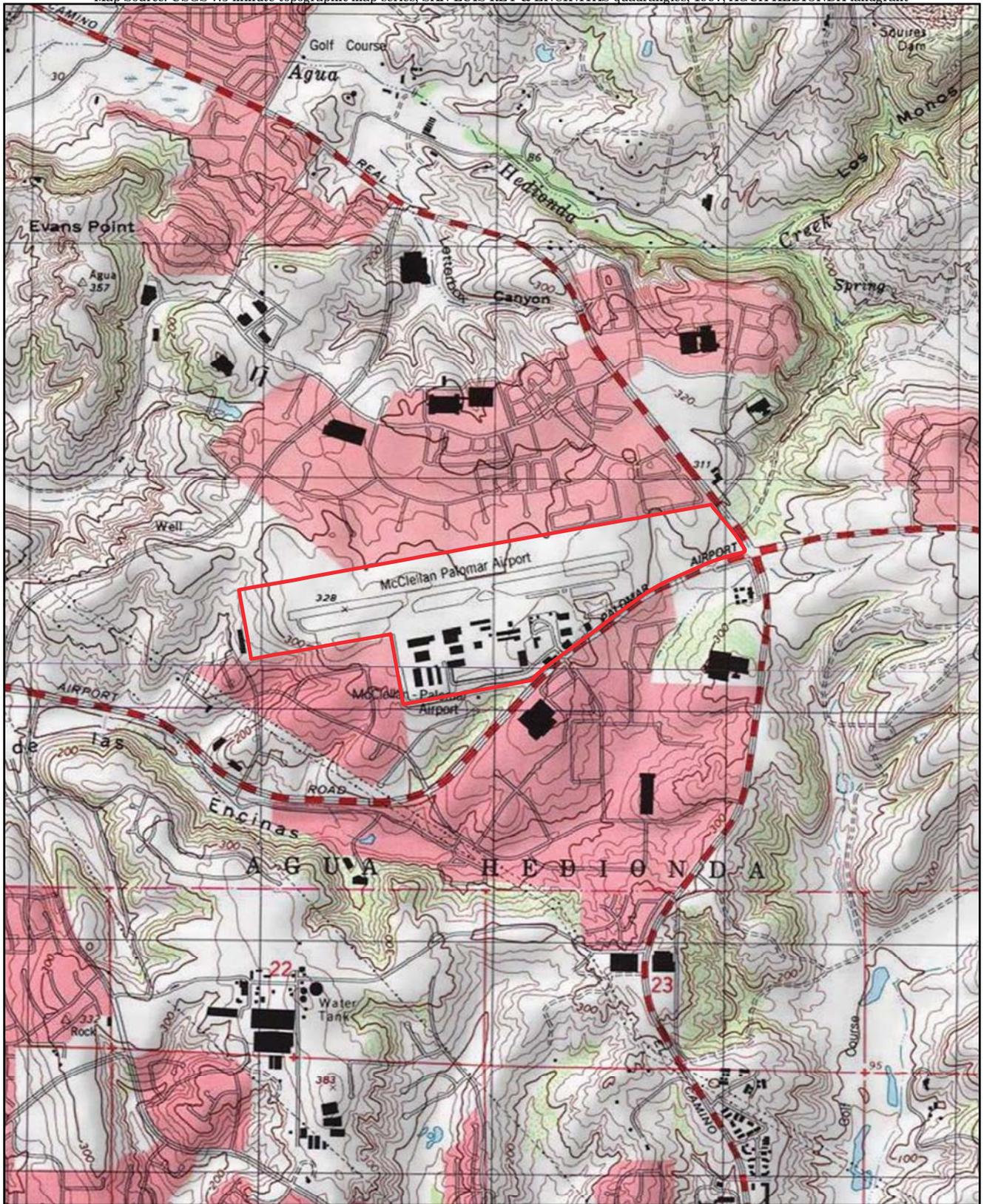
- 1980 Regional Historic Preservation Study. Unpublished report on file at the South Coastal Information Center, San Diego State University.
- 1982 Draft Environmental Impact Report Airport Business Center. Unpublished report on file at the South Coastal Information Center, San Diego State University.

ATTACHMENT 1



 Project Location

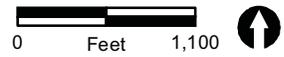
FIGURE 1
Regional Location



 Project Boundary

FIGURE 2

Project Location on USGS Map



 Project Boundary

FIGURE 3

Project Location on Aerial Photograph

CONFIDENTIAL ATTACHMENT 1

Not Available for Public Review