Lake Riverside

The Lake Riverside study area is located 1.5 miles south of Lake Riverside in the Cahuilla Valley, approximately 20 miles east of Temecula.

Existing Conditions

General Site Conditions

The study area is located on a partially developed residential lot. The topography is generally flat with a gradual downward slope to the northeast. The elevation of the study area is approximately 3,693 feet above sea level. Soils present consist of Crouch loamy sand, based on the USDA soil survey. Land use in the vicinity consists of a rural residential unit to the south, a north-south, dirt road associated with other rural residences to the west, an open agricultural field to the south, and undeveloped rural residential lots to the east. The study area is subject to disturbance associated with the adjacent rural residences and the adjacent agricultural field. The agricultural field is most used for cattle grazing.

Vegetation

The vegetation on the study area consists of a redshank chaparral plant community. The plant species observed predominantly include redshank (*Adenostoma sparsifolium*) and chamise (*Adenostoma fasciculatum*), but also include desert scrub oak (*Quercus turbinella*), ceanothus (*Ceanothus* sp.), Mojave yucca (*Yucca schidigera*), beavertail cactus (*Opuntia basilaris*), California buckwheat (*Eriogonum fasciculatum*), and short-podded mustard (*Hirschfeldia incana*). The vegetation to the north of the study area constitutes a non-native grassland, with unidentified non-native grasses.

Wildlife

Wildlife activity observed during the survey was very low. Evidence of domestic dog (*Canis familiaris*) was observed on the study area during the survey. Species expected to occur are those in disturbed, redshank chaparral habitats, such as California towhee (*Pipilo crissalis*), black-tailed jackrabbit (*Lepus californicus*), and western fence lizard (*Sceloporus occidentalis*).

Sensitive Biological Resources

Sensitive Species

Federally and State Listed Species

Habitat for any State- or federally-listed threatened or endangered species not already covered by an existing HCP does not occur within the study area. Therefore, the development of the study area is not anticipated to impact any plant or animal species protected under CESA or FESA, outside of an existing agreement with the USFWS.

WRMSHCP

The study area contains suitable habitat for Quino checkerspot butterfly (*Eumops perotis californicus*), a federally-listed endangered species covered by the WRMSHCP, San Diego (coast)

horned lizard (*Phrynosoma coronatum*), northern red-diamond rattlesnake (*Crotalus ruber ruber*), Bell's sage sparrow (*Amphispiza belli belli*) and northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*), all CSC covered by the WRMSHCP. None of the species were observed within the study area. Impacts to the species' habitat have been adequately accounted for by the WRMSHCP and if the development of the study area is found consistent with the WRMSHCP, then further consideration of potential impacts will not be necessary. Bell's sage sparrow, however, is also protected under the MBTA and CDFG code and impacts to its nesting activities will still need to be avoided.

CSC

The study area contains suitable habitat for American badger (*Taxidea taxus*), and coast patch-nosed snake (*Salvadora hexalepis virgultea*), both CSC. The species was not observed within the study area. Regardless, CSC are not protected by any State or federal laws or policies.

Other Sensitive Species

No suitable habitat for sensitive species not specifically protected under any other policy occurs on the study area.

Critical Habitat

The study area is located within Critical Habitat for Quino checkerspot butterfly, as designated by the USFWS. Because the study area is located within the WRMSHCP and suitable habitat for Quino checkerspot butterfly occurs within the study area, consultation with the USFWS will need to occur prior to construction and avoidance measures will need to be implemented.

Nesting Birds

No nests or nesting activities were observed during the survey; however, the vegetation in the study area contains suitable nesting habitat for shrub nesting avian species, such as California towhee.

California Desert Native Plant Act

Mojave yucca was observed in the study area and this species is protected under Section 80073 of the CDNPA.

Jurisdictional Waters

A small, north-south gully (non-jurisdictional roadside ditch) occurs on the western portion of the study area. No wetland or riparian vegetation was observed in any portion of the feature. No downstream connectivity to any jurisdictional feature could be established; the ditch disappears and sheet flows into the agricultural field north of the study area. Water flow appears to originate from roadside runoff. No jurisdictional drainage features, wetlands, vernal pools, or suitable habitat for sensitive fairy shrimp species occur on or in the vicinity of the study area. No waters or wetlands potentially under the jurisdiction of the State or the United States will be impacted by the development of the study area.

Wildlife Corridors and Movement

Given the limited size and minimal disturbance associated with the development of the study area, no impacts to any wildlife corridors or wildlife movement patterns are anticipated.

Applicable HCP or Land Use Management Plan

WRCMSHCP

The study area is privately owned and managed and subject to the WRMSHCP. The study area is located within the "REMAP" Area Plan, SU4- Tule Creek/Anza Valley subunit, and falls within Criteria Cell 7113.

Source: Riverside County NAIP, 2005.

Michael Brandman Associates

NORTH

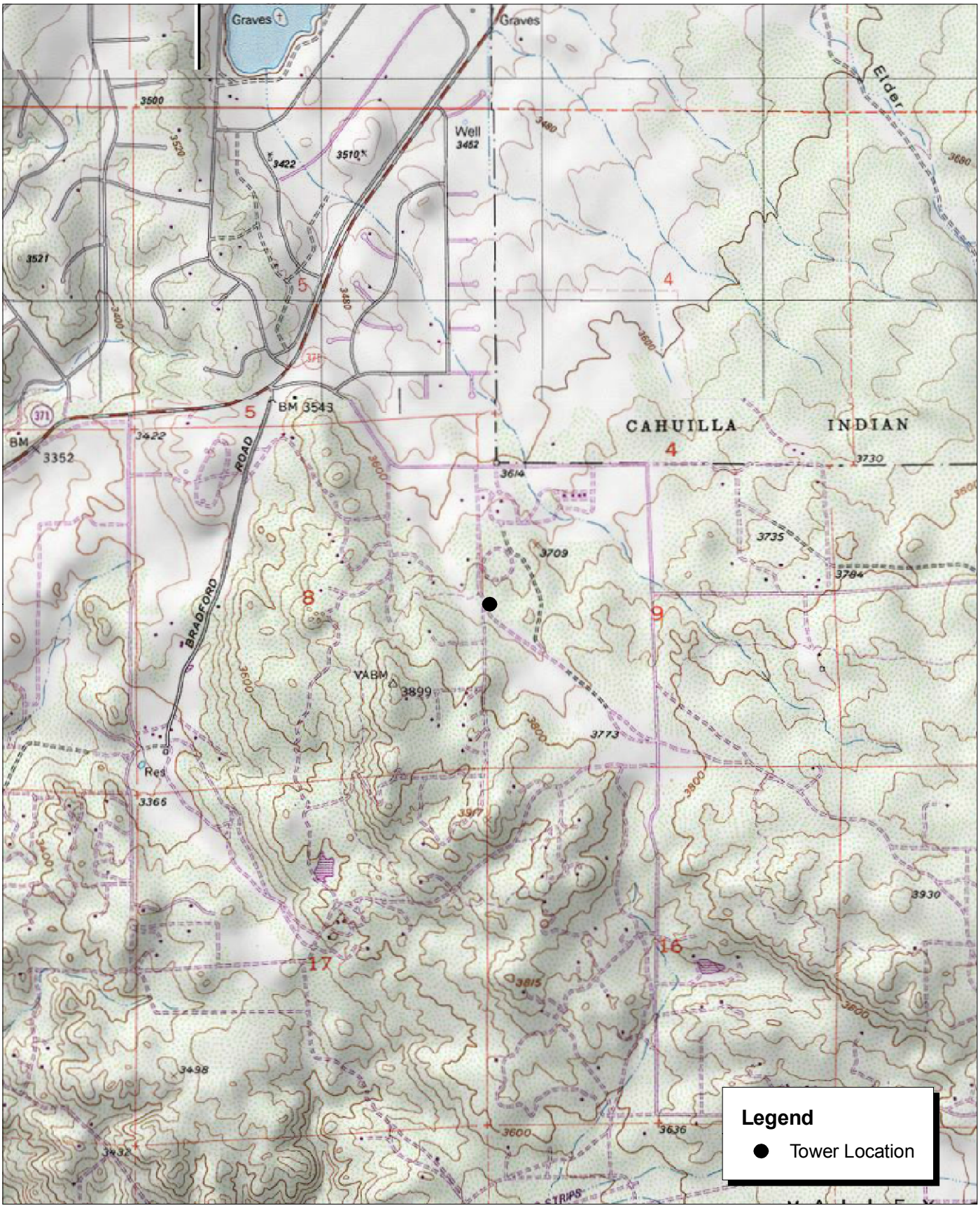
250 125 0 250

Feet

Lake Riverside Communication Site
Local Vicinity Aerial Map

27490003 • 04/2008 | lake_riverside_aerial.mxd

COUNTY OF RIVERSIDE
PUBLIC SAFETY ENTERPRISE COMMUNICATION PROJECT



Source: USGS Aguanga 7.5' Topographic Map.

NORTH

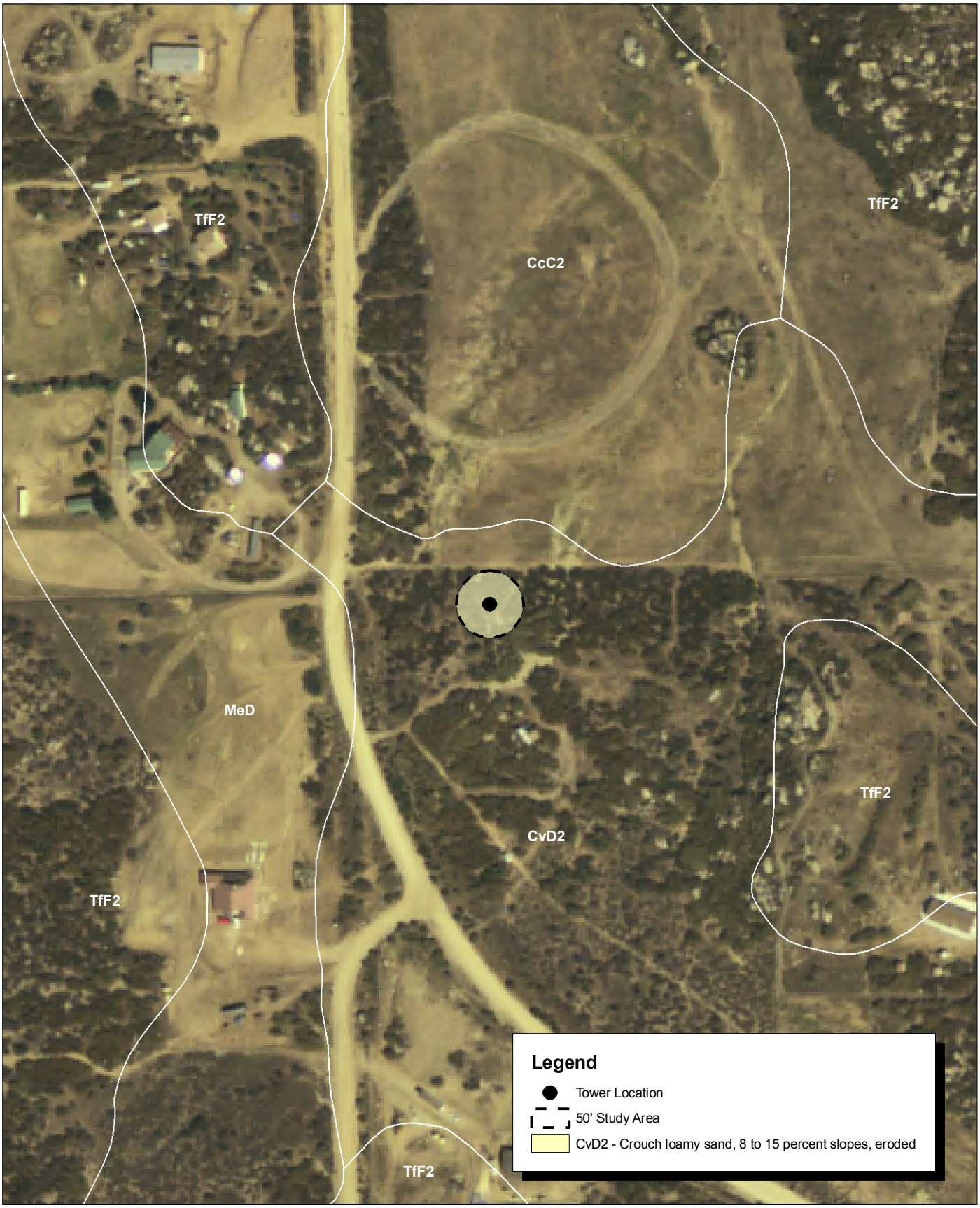
2,000 1,000 0 2,000 Feet

Michael Brandman Associates

Lake Riverside Communication Site
Local Vicinity Topographic Map

27490003 • 04/2008 | lake_riverside.mxd

COUNTY OF RIVERSIDE
PUBLIC SAFETY ENTERPRISE COMMUNICATION PROJECT



Source: USDA Soils Data (NRCS).

NORTH

200 100 0 200 Feet

Michael Brandman Associates

Lake Riverside Communication Site
USDA Soils Map

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COUNTY OF RIVERSIDE
PUBLIC SAFETY ENTERPRISE COMMUNICATION PROJECT

Photograph 1: Overview of Lake Riverside candidate location, facing west.

Photograph 2: Overview of Lake Riverside candidate location, facing northwest.

Photograph 3: View toward Lake Riverside candidate location, facing southeast.

Photograph 4: View toward Lake Riverside candidate location, facing south.

Source: Michael Brandman Associates, 2008.

Lake Riverside Candidate Photographs 1 to 4
PSEC Project

Photograph 5: View from Lake Riverside candidate location, facing northeast.

Photograph 6: View from Lake Riverside candidate location, facing west.

Photograph 7: View from Lake Riverside candidate location, facing north.

Photograph 8: View from Lake Riverside candidate location, facing east.

Source: Michael Brandman Associates, 2008.

Lake Riverside Candidate Photographs 5 to 8
PSEC Project

Lake Riverside

Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP)

APN	Cell	Cell Group	Acres	Area Plan	Sub Unit
580140014	7113	X'	4.27	REMAP	SU4 - Tule Creek/Anza Valley
580140014	7239	X'	0.35	REMAP	SU4 - Tule Creek/Anza Valley

Background

The final MSHCP was approved by the County Board of Supervisors on June 17, 2003. The federal and state permits were issued on June 22, 2004 and implementation of the MSHCP began on June 23, 2004.

For more information concerning the MSHCP, contact your local city or the County of Riverside for the unincorporated areas. Additionally, the Western Riverside County Regional Conservation Authority (RCA), which oversees all the cities and County implementation of the MSHCP, can be reached at:

Western Riverside County Regional Conservation Authority
4080 Lemon Street, 12th Floor
Riverside, CA 92502-1604

Phone: 951-955-9700
Fax: 951-955-8873

www.wrc-rca.org