
Timoteo

The Timoteo study area is located in the Badlands, approximately 0.5 mile north of the City of Moreno Valley.

Existing Conditions

General Site Conditions

The study area is located on an off-road vehicle trail along a ridge of the San Timoteo Badlands, approximately 1,000 feet west of Redlands Boulevard. The elevation of the study area is approximately 2,300 feet above sea level. The soils present consist of Badland, based on the USDA soil survey. Land use in the vicinity consists of undeveloped open space in all directions. The study area shows evidence of a recent burn event. In addition to the burn, the study area is subject to heavy disturbances associated with off-road vehicle use and illegal dumping.

Vegetation

The vegetation on the study area consists of sparse scatterings of shrubs with heavily disturbed stands of ruderal forbs and non-native grasses; the vegetation is too sparse to constitute a coastal sage scrub plant community. The plant species observed include sugar bush (*Rhus ovata*), brittlebush (*Encelia farinosa*), deerweed (*Lotus scoparius*), chaparral yucca (*Yucca whipplei*), California aster (*Lessingia filaginifolia* var. *californica*), common sunflower (*Helianthus annuus*), Russian thistle (*Salsola kali*), black mustard (*Brassica nigra*), and slender wild oat (*Avena barbata*). All the sugar bush specimens observed were regrowth following the burn event.

Wildlife

Wildlife activity was low during the survey. Wildlife species observed includes house finch (*Carpodacus mexicanus*). Also, evidence of pocket gopher (*Thomomys* sp.) occurred across the study area. Species expected to occur are those common in heavily disturbed, mixed scrub-grassland habitats, such as desert cottontail (*Sylvilagus audubonii*), western fence lizard (*Sceloporus occidentalis*), and mourning dove (*Zenaida macroura*).

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.

WRMSHCP

The study area is located within an area identified by the WRMSCHP as requiring a habitat assessment for Nevin's barberry for (*Berberis nevinii*), a State- and federally-listed endangered species covered by the WRMSHCP, burrowing owl (*Athene cunicularia*), a CSC covered by the

WRMSHCP, round-leaved filaree (*California macrophylla*), and smooth tarplant (*Centromadia pungens* ssp. *laevis*), both CNPS listed species covered by the WRMSHCP. None of the species were observed within the study area. Suitable habitat for Nevin's barberry was observed on the study area, however, no Nevin's barberry was observed on or in the vicinity of the study area. Nevin's barberry is a large, perennial plant species that is readily identifiable and easily visible outside of the species' blooming period. Therefore, no impacts to Nevin's barberry are anticipated. Additionally, no suitable habitat for round-leaved filaree, smooth tarplant, or burrowing owl was observed on or adjacent to the study area and no impacts to the species are anticipated.

The study area also contains suitable habitat for Los Angeles pocket mouse (*Perognathus longimembris brevinasus*), northwestern San Diego pocket mouse (*Chaetodipus fallax fallax*), coast (San Diego) horned lizard (*Phrynosoma coronatum blainvillii*), orange-throated whiptail (*Aspidoscelis hyperythra*), all CSC covered by the WRMSHCP, Plumber's mariposa lily (*Calochortus plummerae*), Parry's spineflower (*Chorizanthe parryi* var. *parryi*), and Payson's jewel flower (*Caulanthus simulans*), all CNPS listed species covered by the WRMSHCP. None of these species were observed within the study area. Impacts to these 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.

SKRHCP

The study area contains suitable habitat for Stephens' kangaroo rat (*Dipodomys stephensi*), a federally-listed Endangered and State-listed Threatened species, covered by the SKRHCP. The species was not observed within the study area. Impacts to the species' habitat have been adequately accounted for by the SKRHCP and if the SKRHCP fee is paid, then further consideration of potential impacts will not be necessary.

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 not located within any USFWS-designated Critical Habitat.

Nesting Birds

No nests or nesting activities were observed during the survey; however, the vegetation in the study area contains suitable nesting habitat for ground-nesting avian species, such as horned lark (*Eremophila alpestris*).

California Desert Native Plant Act

Chaparral yucca was observed in the study area and this species is protected under Section 80073 of the CDNPA. According to Section 80073 of the CDNPA, no chaparral yucca (including both dead

and live) may be harvested except under a permit issued by the County Agricultural Commissioner or the sheriff. The commissioner may establish limits on the quantity of chaparral yucca which may be taken under any permit and on the number of permits for the taking of chaparral yucca which may be issued.

Jurisdictional Waters

No 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

WRMSHCP

The study area is owned and managed by the Riverside County Habitat Conservation Authority and subject to the jurisdiction of the WRMSHCP. The study area is located within the “Reche Canyon/Badlands” Area Plan, SU3 - Badlands North sub-unit, and falls within Criteria Cell 562.

SKRHCP

The study area is located within a fee area under the Western Riverside County SKRHCP.



Legend

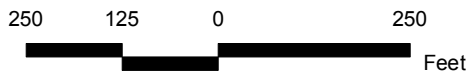
- Tower Locations
- ⊖ 50' Study Area

Source: Riverside County NAIP, 2005.



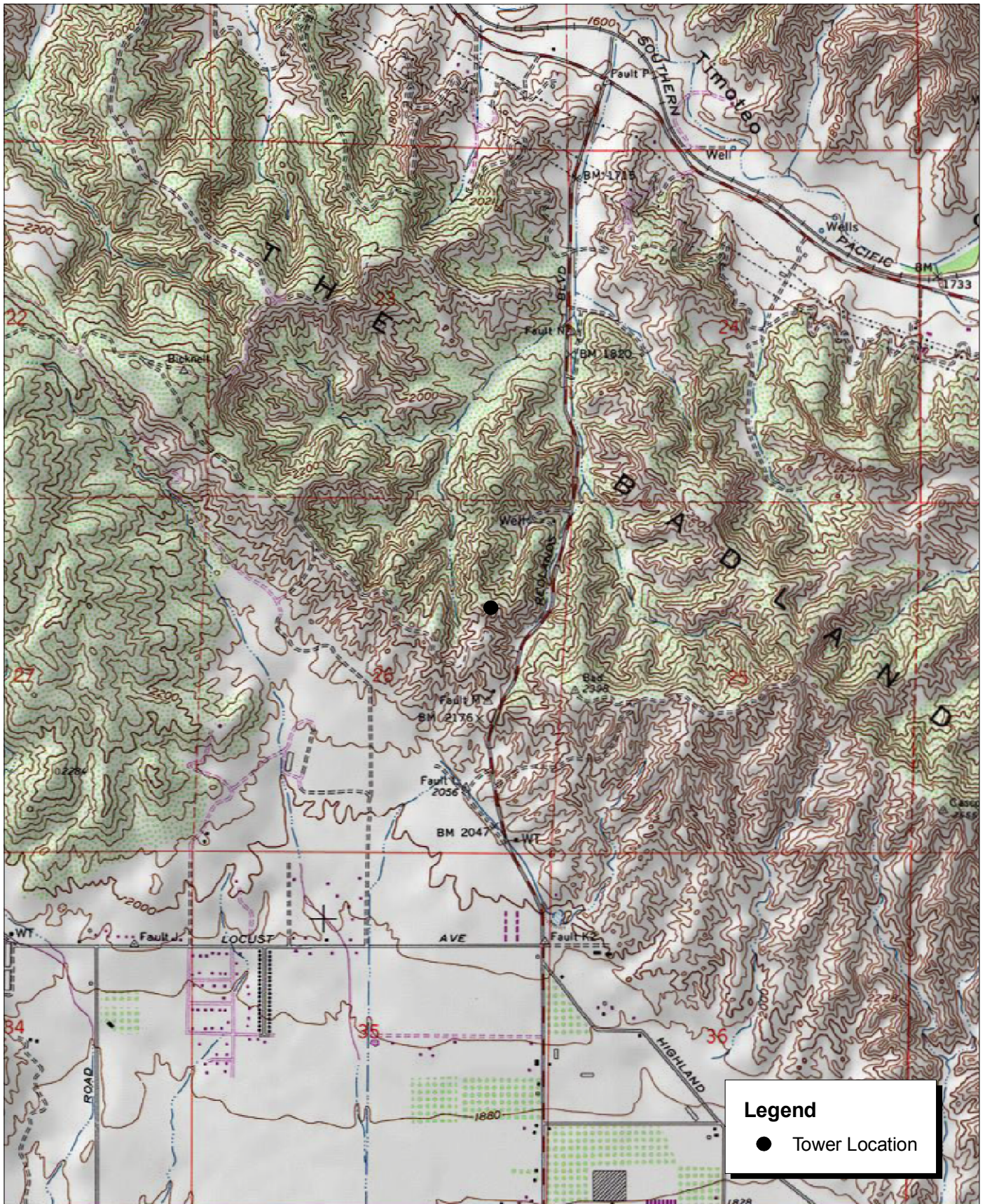
Michael Brandman Associates

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Timoteo Communication Site Local Vicinity Aerial Map

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Source: USGS Sunnymead 7.5' Topographic Map.



Timoteo Communication Site Local Vicinity Topographic Map



Legend

- Tower Location
- 50' Study Area
- BaG - Badland

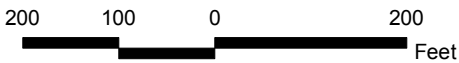
iE2

Source: USDA Soils Data (NRCS).



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Timoteo Communication Site USDA Soils Map

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Photograph 1: View toward Timoteo candidate location, facing north.



Photograph 2: View toward Timoteo candidate location, facing south.



Photograph 3: View toward Timoteo candidate location, facing east.



Photograph 4: View toward Timoteo candidate location, facing west.

Source: Michael Brandman Associates, 2008.



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Timoteo Candidate Photographs 1 to 4
PSEC Project



Photograph 5: View from Timoteo candidate location, facing south-southwest.



Photograph 6: View from Timoteo candidate location, facing southeast.



Photograph 7: View from Timoteo candidate location, facing northwest.



Photograph 8: View from Timoteo candidate location, facing northeast.

Source: Michael Brandman Associates, 2008.



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Timoteo Candidate Photographs 5 to 8
PSEC Project

Timoteo

Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP)

APN	Cell	Cell Group	Acres	Area Plan	Sub Unit
473110019	556	S	3.19	Reche Canyon / Badlands	SU3 - Badlands North
473110019	562	T	62.71	Reche Canyon / Badlands	SU3 - Badlands North

HABITAT ASSESSMENTS

Habitat assessment shall be required and should address at a minimum potential habitat for the following species:

APN	Amphibia Species	Burrowing Owl	Criteria Area Species	Mammalian Species	Narrow Endemic Plant Species	Special Linkage Area
473110019	NO	YES	YES	NO	NO	NO

Burrowing Owl

Burrowing owl.

Criteria Area Species

6) Nevin's Barberry, Smooth tarplant, Round-leaved filaree

If potential habitat for these species is determined to be located on the property, focused surveys may be required during the appropriate season.

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