



UNITED STATES MARINE CORPS
MARINE CORPS INSTALLATIONS - MARINE CORPS BASE
PO BOX 555010
CAMP PENDLETON, CA 92055-0010

5090
ENVSEC
11 Feb 15

From: Commanding General
To: Assistant Chief of Staff G-F, Marine Corps Base, Camp Pendleton (Public Works Officer)

Subj: DECISION MEMORANDUM, CATEGORICAL EXCLUSION; ANNUAL SDG&E TRANSMISSION ROAD GRADING, CPEN, AMENDMENT, 24047, (NEPA PE20130061A)

Ref: (a) San Diego Gas & Electric REIR of 19 Aug 14
(b) MCO P5090
(c) 32 CFR 775.6(f)
(d) Grant of Easement 05 March 74 (NF(r)-22977)
(e) SDG&E Subregional NCCP (15 December 1995)
(f) SDG&E Subregional NCCP Implementing Agreement/ CESA MOU (18 December 1995)
(g) Biological Opinion FWS-MCBCP-1873.7 (07 April 2004)
(h) Scope of Incidental Take Coverage Provided by SDG&E's Section 10 Permit FWS-SDG-878.6 (04 June 2004)
(I) Cultural Resources Report
(J) SHPO Consultation Letter (6 January 2015)

Encl: (1) REIR
(2) Site Maps
(3) Applicable Conditions
(4) SHPO Concurrence USMC_2015_0112_004 (27January 2014)

1. In response to reference (a), this document satisfies the National Environmental Policy Act (NEPA) review requirement under reference (b) and qualifies as a categorical exclusion in compliance with 32 CFR 775.6(f) (36), reference (c), which states:

(36) Acquisition, installation, and operation of utility (e.g., water, sewer, electrical) and communication systems (e.g., data processing cable and similar electronic equipment) which use existing rights of way, easements, distribution systems, and/or facilities.

2. The project proposes the following scope as provided by the Action Sponsor:

Annual road grading of existing SDG&E access roads on MCBCP generally begin every year in late March to early April, and extends for approximately twelve weeks. During this time period, grading is conducted five days a week for ten hours a day. Grading in Edson Range requires three or four days and is only conducted on the weekends when the range is cold.

Under SDG&E's annual road grading program, grading is restricted to existing transmission access roads (no new roads are established under the annual grading program). The motor graders remain within the boundaries of the established windrows/berms. Roads are generally a width of 12 feet; however,

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they may be a few feet wider within the turns or curves of the road when necessary for the safe passage of large electrical line trucks and insulator washing trucks.

The SDG&E grading crew generally consists of two road graders, one water truck for fire safety, and three pick-up trucks: one each for a SDG&E supervisor, grading crew supervisor, and biological monitor. Additional pick-up trucks may join the crew periodically when a vegetation trimming crew or cultural monitor are required.

Trimming of vegetation along access roads only occurs as-needed to maintain access road clearance within the appropriate width for large electrical line trucks and insulator washing trucks. Vegetation trimming is conducted utilizing hand tools, such as loppers and weed whips, and trimmed within one to two-feet from the outside edge of the road berm to allow for annual growth.

All SDG&E NCCP operational protocols and mitigation measures are followed during annual road grading activities, including, but not limited to:

- conduct safety tailgates,
- conduct environmental tailgates,
- power wash all vehicles prior to entering MCBCP and maintain vehicle speeds of 15 mph or less,
- monitoring by a biologist for sensitive biological resources in advance of graders,
- monitoring and flagging of riparian areas, vernal pools, drainage features, and natural waterways by a qualified biological monitor. Flagging is placed 25 feet on either side of the water feature so that loose soil from grading is not in proximity of it,
- monitoring and flagging for active nests that occur within 50 feet of an access road by a qualified biological monitor. Flagging is placed 25 feet on either side of the nest so that the road grading operator does not lower its blade near an active nest, but instead drives through the area to avoid disrupting nesting activities,
- monitoring of vegetation trimming activities by a biologist to ensure impacts to sensitive resources and nesting birds are avoided. Plant material from trimming activities is removed from the site.
- initiate control measures for dust and fire during dry conditions (water truck), and
- maintain on-site hazardous materials spill kits.

Additionally, in areas where vernal pools are known to be present, such as

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in the vicinity of Wire Mountain, SDG&E provides a GPS unit to the biological monitor that has the known locations of vernal pools loaded into the unit. The biological monitor uses this information to flag in advance of the graders for avoidance of known locations of vernal pools.

All grading and associated equipment and vehicles remain on existing access roads, and all equipment and materials are removed from roadways upon completion of grading activities. Flagging is removed by the SDG&E supervisor once the grader has left the area.

3. The Action Proponent or their designated representative must notify the Environmental Security (ES) NEPA Section by phone (760) 725-9759, e-mail, or e-mail from the project page in the PAMS Web System, a minimum of two weeks prior to the start of actual ground-disturbing activities.

4. This categorical exclusion shall become void and further environmental review will be required to determine appropriate National Environmental Policy Act documentation if:

a. The subject action is not executed within two years of the date of this document (ground-breaking, demolition, other physical activity); or

b. The scope of the action changes from the description provided in the submittal; or

c. All conditions of this document are not complied with.

Approved

/s/ D. F. LEVI
By direction

/s/ D. F. LEVI
By direction

Receipt Acknowledged

Request for Environmental Impact Review

Project Title: *Annual SDG&E Transmission Road Grading, CPEN*

Short Plain English Description of Action: *Annual transmission road grading within existing SDG&E easements aboard Marine Corps Base Camp Pendleton.*

Project ID: *24047*

Start By Date: *4-Mar-13*

End By Date: *4-Mar-13*

Duration (days): *365*

Activity Sponsor (Unit/Command): *San Diego Gas & Electric*

Activity Sponsor POC: *Debbie Schafer
dschafer@semprautilities.com*

Phone/Fax: *(760) 438-6265 / Fax (760) 438-6280*

Base Location: *Linear project*

Year Programmed: *FY13*

Form 1391?: *No*

Fund Source: *San Diego Gas & Electric*

Funds Expire On: *UNK*

Project Required To: *Conduct Regular / Recurring Maintenance*

Action Will Be Performed By: *Contract*

Project will result in permanent site improvement?: *No*

New or Modified Real Estate License Will Be Issued By Base?: *N/A*

Descriptive Information

Purpose and Need of Action: San Diego Gas & Electric (SDG&E) requests permission to continue annual transmission road grading within existing SDG&E easements aboard Marine Corps Base Camp Pendleton (MCBCP). SDG&E has been conducting annual road grading under Categorical Exclusion (CX) NEPA 010050R and requests that the new CX be valid for 5 years. Existing transmission access roads are associated with tielines (TL) that cross MCBCP, including TLs 23002, 23006, 23007, 23010, 23030, 23052, TL690, 691, 692, 695, 697, 6912, TL13833, and 13835. TLs occur within the following training areas: Bravo One, Bravo Two, Yankee, Charlie, Delta, Echo, Foxtrot, Bravo Three, Alpha One, Alpha Two, Romeo Three, Romeo Two, Romeo One, Papa One, Papa Two, Tango, Oscar One, Oscar Two, Edson Range, November, Mike, and Juliet. These TLs also occur outside of training areas in: State Park-leased land, San Mateo North, Wire Mountain, Stuart Mesa, northeast of the San Onofre Housing development known as San Mateo South, and south of O'Neill Lake. SDG&E is required to conduct annual operation and maintenance activities to ensure reliability in energy transmission in compliance with the Federal Energy Regulatory Commission (FERC) and the California Public Utility Commission (CPUC) regulations. Conducting annual transmission road grading within existing SDG&E easements is maintenance work necessary for SDG&E personnel to safely and efficiently access TL structures to conduct operations and maintenance activities. If the aforementioned activities do not occur, SDG&E could be subject to being out of compliance with FERC and CPUC regulations and the potential for interruption of electrical transmission would increase. FERC has placed additional requirements (NERC NUC-001-2, R2) on SDG&E at an increased level to inspect and maintain all transmission lines exiting San Onofre Nuclear Generation Station (SONGS).

Scope of Preferred Alternative: Annual road grading of existing SDG&E access roads on MCBCP generally begin every year in late March to early April, and extends for approximately twelve weeks. During this time period, grading is conducted five days a week for ten hours a day. Grading in Edson Range requires three or four days and is only conducted on the weekends when the range is cold. Under SDG&E's annual road grading program, grading is restricted to existing transmission access roads (no new roads are established under the annual grading program). The motor graders remain within the boundaries of the established windrows/berms. Roads are generally a width of 12 feet; however, they may be a few feet wider within the turns or curves of the road when necessary for the safe passage of large electrical line trucks and insulator washing trucks (Photos 21-23). The SDG&E grading crew generally consists of two road graders (Photo 24), one water truck for fire safety, and three pick-up trucks: one each for a SDG&E supervisor, grading crew supervisor, and biological monitor. Additional pick-up trucks may join the crew periodically when a vegetation trimming crew or cultural monitor are required. Trimming of vegetation along access roads only occurs as-needed to maintain access road clearance within the appropriate width for large electrical line trucks and insulator washing trucks. Vegetation trimming is conducted utilizing hand tools, such as loppers and weed whips, and trimmed within one to two-feet from the outside edge of the road berm to allow for annual growth. All SDG&E NCCP operational protocols and mitigation measures are followed during annual road grading activities, including, but not limited to: • conduct safety tailgates, • conduct environmental tailgates, • power wash all vehicles prior to entering MCBCP and maintain vehicle speeds of 15 mph or less, • monitoring by a biologist for sensitive biological resources in advance of graders, • monitoring and flagging of riparian areas, vernal pools, drainage features, and natural waterways by a qualified biological monitor. Flagging is placed 25 feet on either side of the water feature so that loose soil from grading is not in proximity of it, • monitoring and flagging for active nests that occur within 50 feet of an access road by a qualified biological monitor. Flagging is placed 25 feet on either side of the nest so that the road grading operator does not lower its blade near an active nest, but instead drives through the area to avoid disrupting nesting activities, • monitoring of vegetation trimming activities by a biologist to ensure impacts to sensitive resources and nesting birds are avoided. Plant material from trimming activities is removed from the site. • initiate control measures for dust and fire during dry conditions (water truck), and • maintain on-site hazardous materials spill kits. Additionally, in areas where vernal pools are known to be present, such as in the vicinity of Wire Mountain, SDG&E provides a GPS unit to the biological monitor that has the known locations of vernal pools loaded into the unit. The biological monitor uses this information to flag in advance of the graders for avoidance of known locations of vernal pools. All grading and associated equipment and vehicles remain on existing access roads, and all equipment and materials are removed from roadways upon completion of grading activities. Flagging is removed by the SDG&E supervisor once the grader has left the area.

Identify Other Alternatives Considered: SDG&E would not conduct annual transmission road grading activities within existing access roads. This activity is a required part of operation and maintenance and the alternative to not conducting road grading activities could lead to non-compliance with CPUC and FERC regulations and would result in an increased potential for interruption of electrical transmission services to MCBCP, and San Diego and Orange County, as well as significant fines leveled by FERC.

Preferred and Alternative Sites

Preferred Site Description: See attached site description, photographic documentation, and location map. Photo 1 - Longitude 117 34' 21.10" W Latitude 33 27' 15.01" N Photo 2 - Longitude 117 34' 37.33" W Latitude 33 27' 10.94" N Photo 3 - Longitude 117 35' 15.68" W Latitude 33 24' 33.26" N Photo 4 - Longitude 117 34' 01.35" W Latitude 33 23' 37.67" N Photo 5 - Longitude 117 33' 43.92" W Latitude 33 23' 19.78" N Photo 6 - Longitude 117 34' 03.03" W Latitude 33 23' 44.12" N Photo 7 - Longitude 117 32' 53.06" W Latitude 33 22' 26.79" N Photo 8 - Longitude 117 29' 21.99" W Latitude 33 20' 25.81" N Photo 9 - Longitude 117 26' 17.97" W Latitude 33 18' 32.29" N Photo 10 - Longitude 117 26' 30.59" W Latitude 33 18' 54.77" N Photo 11 - Longitude 117 24' 18.21" W Latitude 33 16' 25.39" N Photo 12 - Longitude 117 24' 56.07" W Latitude 33 17' 40.44" N Photo 13 - Longitude 117 22' 13.98" W Latitude 33 14' 41.44" N Photo 14 - Longitude 117 20' 28.11" W Latitude 33 14' 49.06" N Photo 15 - Longitude 117 19' 38.33" W Latitude 33 16' 57.88" N Photo 16 - Longitude 117 19' 27.63" W Latitude 33 17' 56.75" N Photo 17 - Longitude 117 17' 34.23" W Latitude 33 19' 44.25" N Photo 18 - Longitude 117 33' 29.94" W Latitude 33 27' 05.30" N Photo 19 - Longitude 117 32' 18.13" W Latitude 33 27' 20.55" N Photo 20- Longitude 117 30' 35.88" W Latitude 33 28' 17.38" N

Installation Required Information

The project or action will:

- a. potentially affect the human environment, involve unique or unknown risks, or be scientifically controversial?: *No*
- b. set a precedent, have significant future effects?: *No*
- c. result in change to traffic flow patterns on- or off-base?: *No*
- d. increase demand on local or state governments for support services?: *No*
- e. cause an increase or decrease in the on- or off-site base population?: *No*
- f. require construction of government facilities and/or private housing?: *No*

The project is within 500 feet of:

- a. wetland area, water body or the 100-year floodplain?: *Yes*
- b. threatened or endangered species?: *Yes*
- c. habitat of threatened or endangered species?: *Yes*
- d. an archeological site?: *Unknown*
- e. culturally or historically significant sites/buildings?: *No*

The project will:

- a. introduce increased air emissions (e.g. new equipment or increase in operational hours)?: *No*
- b. introduce new, relocated or increased hazardous material use or hazardous waste?: *No*
- c. result in new or increased vehicle fueling or maintenance?: *No*
- d. introduce new or increased aircraft flight operations?: *No*
- e. occur within the 'coastal zone' (within one mile of the coast)?: *Yes*
- f. involve groundwater dewatering operations?: *No*
- g. result in increased vehicle traffic?: *No*

The project is within:

- a. 1500 feet of an installation restoration (IR) site?: *No*
- b. 1500 feet of an underground storage tank (UST) site?: *No*
- d. 500 feet of a potable or non-potable well?: *No*
- d. 500 feet of a hazardous waste or material storage site?: *No*

The project will require:

- a. digging or grading?: Yes
 - b. clearing or grubbing of existing vegetation?: Yes
 - c. use of pesticides, herbicides, fungicides, rodenticide during/to maintain the installation?: No
 - d. new or enlarged firebreaks (mowed, disked, or graded)?: No
 - e. laydown area: No
-

The project will:

- a. increase water demand?: No
 - b. introduce new or increased sewage or solid waste?: No
 - c. result in increased gas demand?: No
 - d. result in increased electrical demand?: No
-

Explanation of 'Yes' responses: Road grading occurs within 500 feet of Talega Creek, Cristianitos Creek, San Mateo Creek, San Onofre Creek, Case Springs Ponds, Las Flores Creek, Windmill Lake, and O'Neill Lake. Road grading Road grading occurs within 500 feet of Talega Creek, Cristianitos Creek, San Mateo Creek, San Onofre Creek, Case Springs Ponds, Las Flores Creek, Windmill Lake, and O'Neill Lake. Road grading. The project occurs within habitat potentially suitable for least Bell's vireo (*Vireo bellii pusillus*), Stephen's kangaroo rat (*Dipodomys stephensii*), arroyo southwestern toad (*Anaxyrus californicus*), coastal California gnatcatcher (*Polioptila californica californica*), Pacific pocket mouse (*Perognathus longimembris pacificus*), southwestern willow flycatcher (*Empidonax traillii extimus*), prostrate navarretia (*Navarretia fossalis*), San Diego button celery (*Eryngium aristulatum* var. *parishii*), and thread leaved brodiaea (*Brodiaea filifolia*). Transmission roads occurring in the vicinity of El Camino Real and Stuart Mesa Road are often located within one mile of the coast. These include structures in Alpha Two, Romeo Three, Romeo Two, Romeo One, Papa Two, Oscar Two, Edson Range, Oscar One and November training areas. In accordance with SDG&E easements, grading allows for reliable ingress/egress by practical means and occurs within established transmission access roads. Vegetation encroaching into the road along the established road berm/windrow is trimmed one to two feet beyond the existing road berm to allow for annual growth. No vegetation is grubbed.

Action Sponsor: Michael Seyller

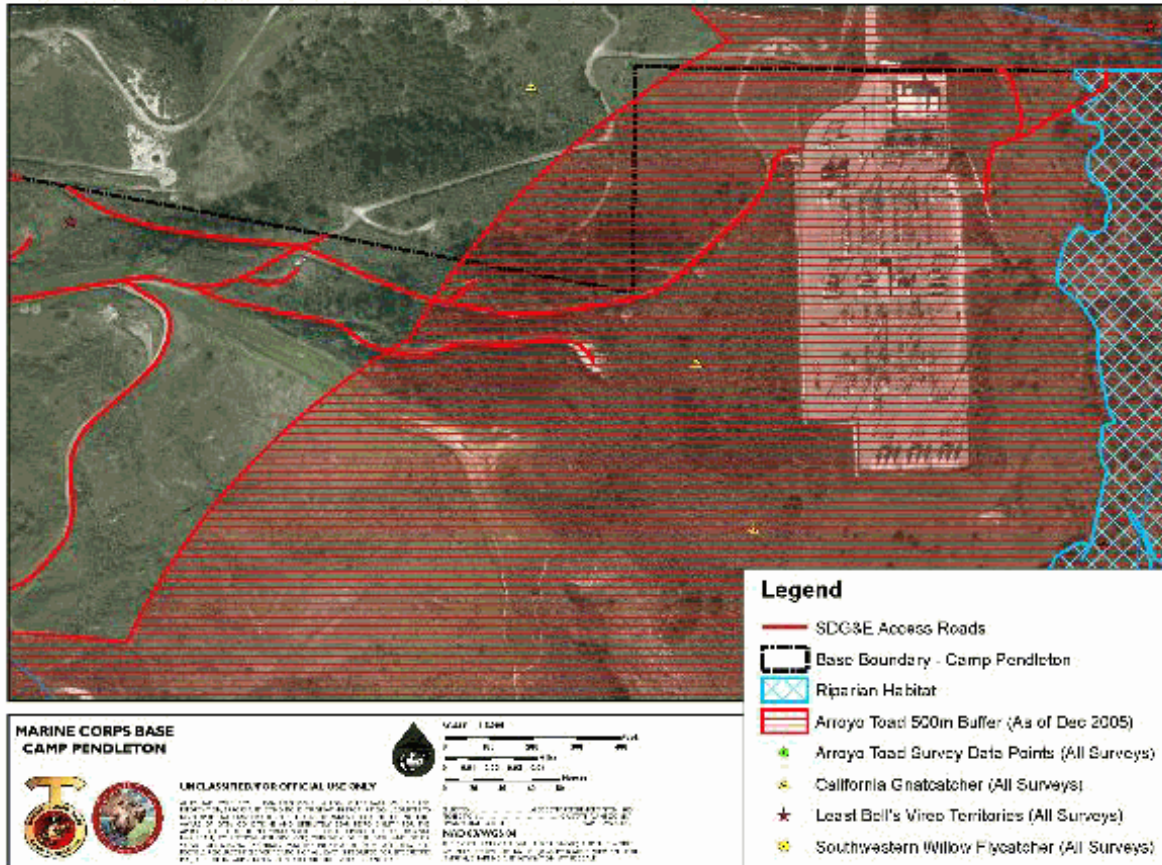
Rank: GS

Title: Planner

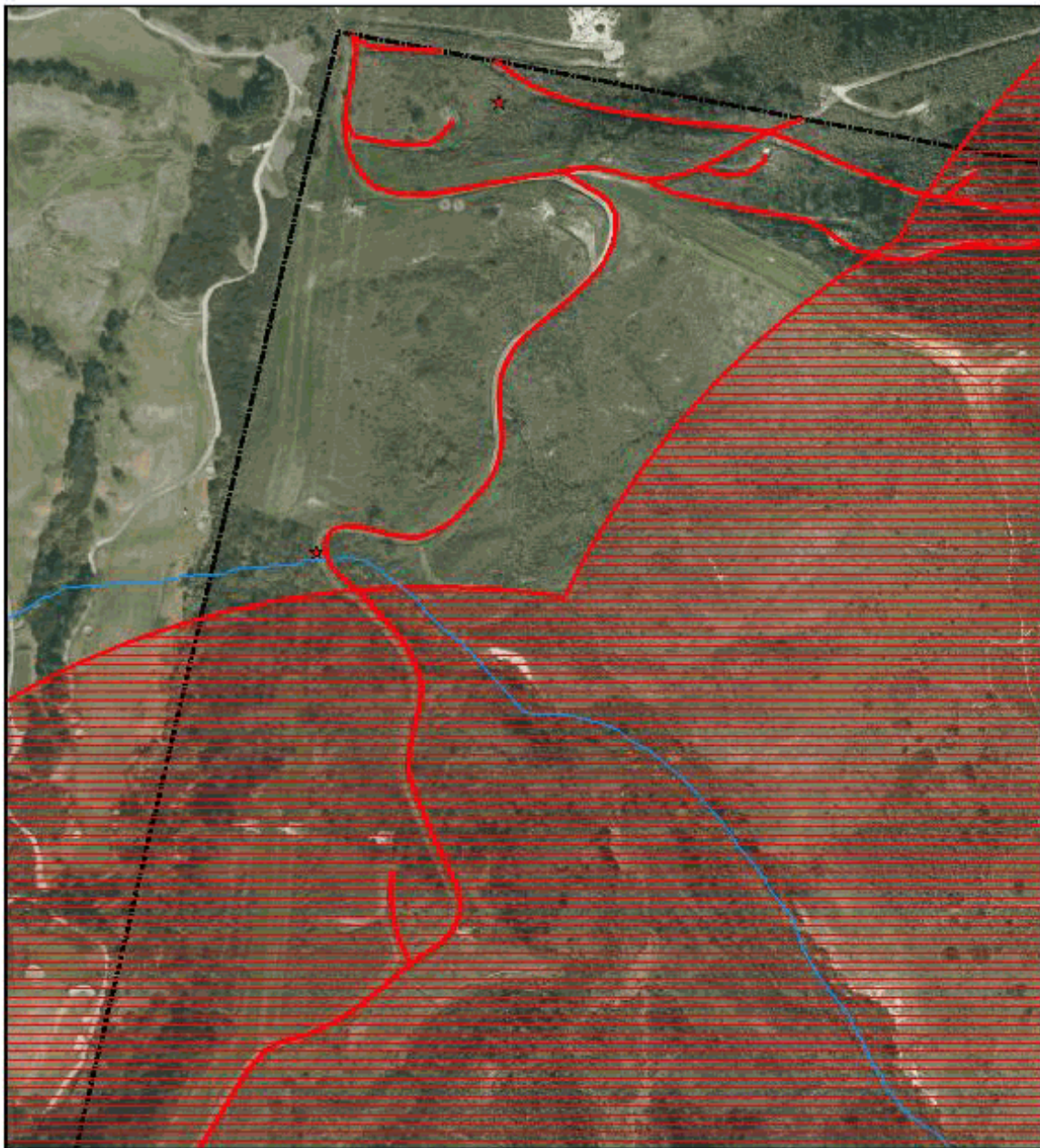
SITE MAPS

Map 01

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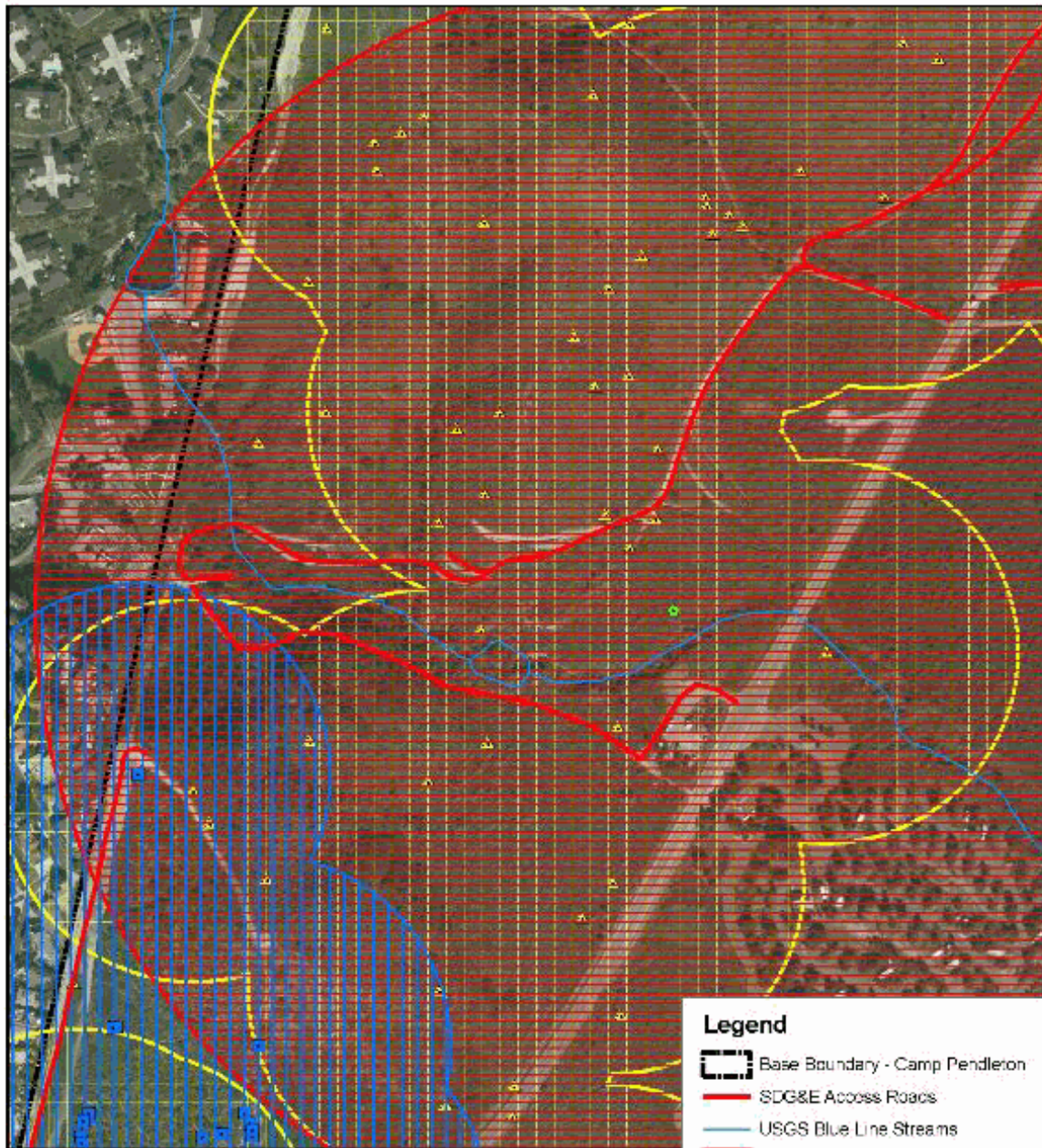


20130061 - ANNUAL SDG&ETRANSMISSION ROAD GRADING



<p>MARINE CORPS BASE CAMP PENDLETON</p>		<p>SCALE: 1:2,000</p> <p>0 100 200 300 400 500 Feet</p> <p>0 100 200 300 400 Meters</p>	<p>Legend</p>
	<p>UNCLASSIFIED//FOR OFFICIAL USE ONLY</p> <p>THIS DOCUMENT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. IT IS THE POLICY OF THE DEPARTMENT OF DEFENSE TO MAKE ALL INFORMATION CONTAINED HEREIN AVAILABLE TO THE PUBLIC UNLESS INDICATED OTHERWISE. THIS DOCUMENT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. IT IS THE POLICY OF THE DEPARTMENT OF DEFENSE TO MAKE ALL INFORMATION CONTAINED HEREIN AVAILABLE TO THE PUBLIC UNLESS INDICATED OTHERWISE.</p>	<p>NAU 831/WS 84</p> <p>THIS MAP WAS CREATED BY SDG&ETRANSMISSION ROAD GRADING. THE MAP SHOWS ROAD GRADING AREAS AND BLUE LINE STREAMS. THE MAP IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE.</p>	<ul style="list-style-type: none"> Arroyo Road 500m Buffer Arroyo Toad USGS Blue-Line Streams Least Bell's Vireo

20130061 - ANNUAL SDG&E TRANSMISSION ROAD GRADING



Legend

- Base Boundary - Camp Pendleton
- SDG&E Access Roads
- USGS Blue Line Streams
- Arroyo Toad 500m Buffer
- Arroyo Toad
- California Gnatcatcher 150m Buffer
- California Gnatcatcher (All Surveys)
- Pacific Pocket Mouse 150m Buffer
- Pacific Pocket Mouse (All Surveys)

**MARINE CORPS BASE
CAMP PENDLETON**

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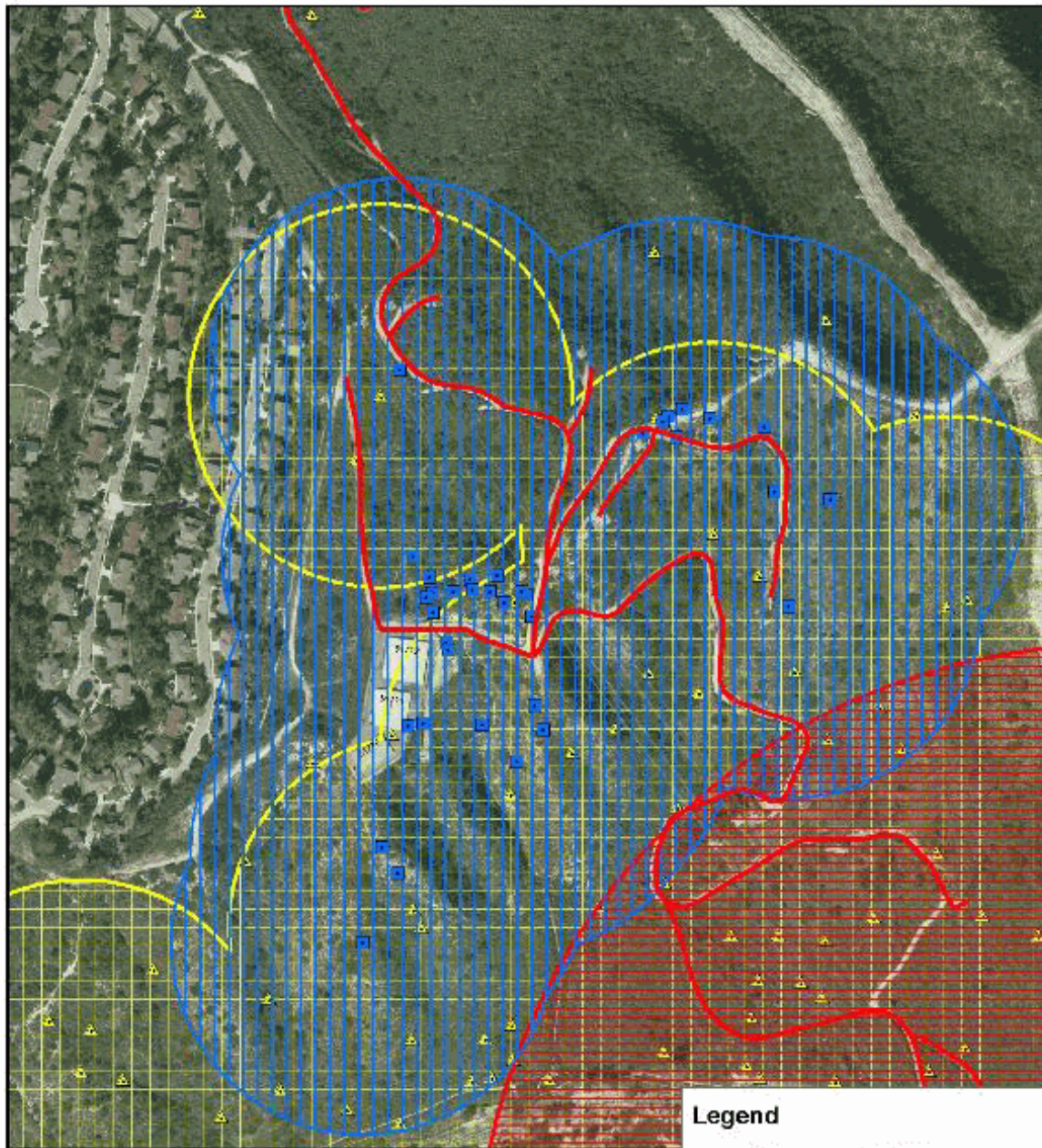
0 25 50 75 100 Feet

0 25 50 75 100 Meters

NAD 83/WGS 84

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Legend

- SDG&E Access Roads
- Pacific Pocket Mouse 150m Buffer
- Pacific Pocket Mouse (All Surveys)
- Arroyo Toad 500m Buffer
- California Gnatcatcher 150m Buffer
- ▲ California Gnatcatcher (All Surveys)

**MARINE CORPS BASE
CAMP PENDLETON**

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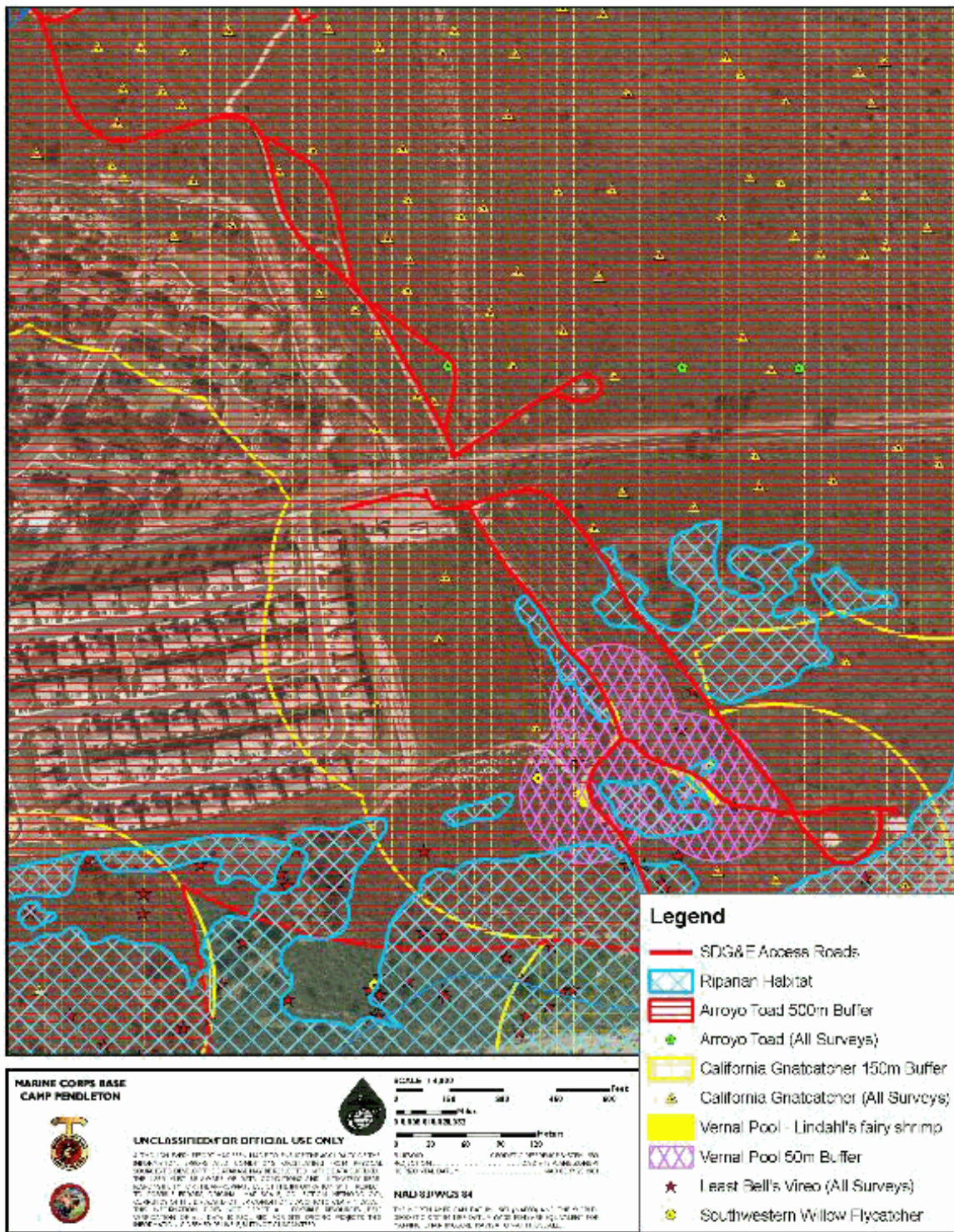
0 100 200 400 800 Feet

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MARINE CORPS BASE
CAMP PENDLETON



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0 100 200 400 800 Feet

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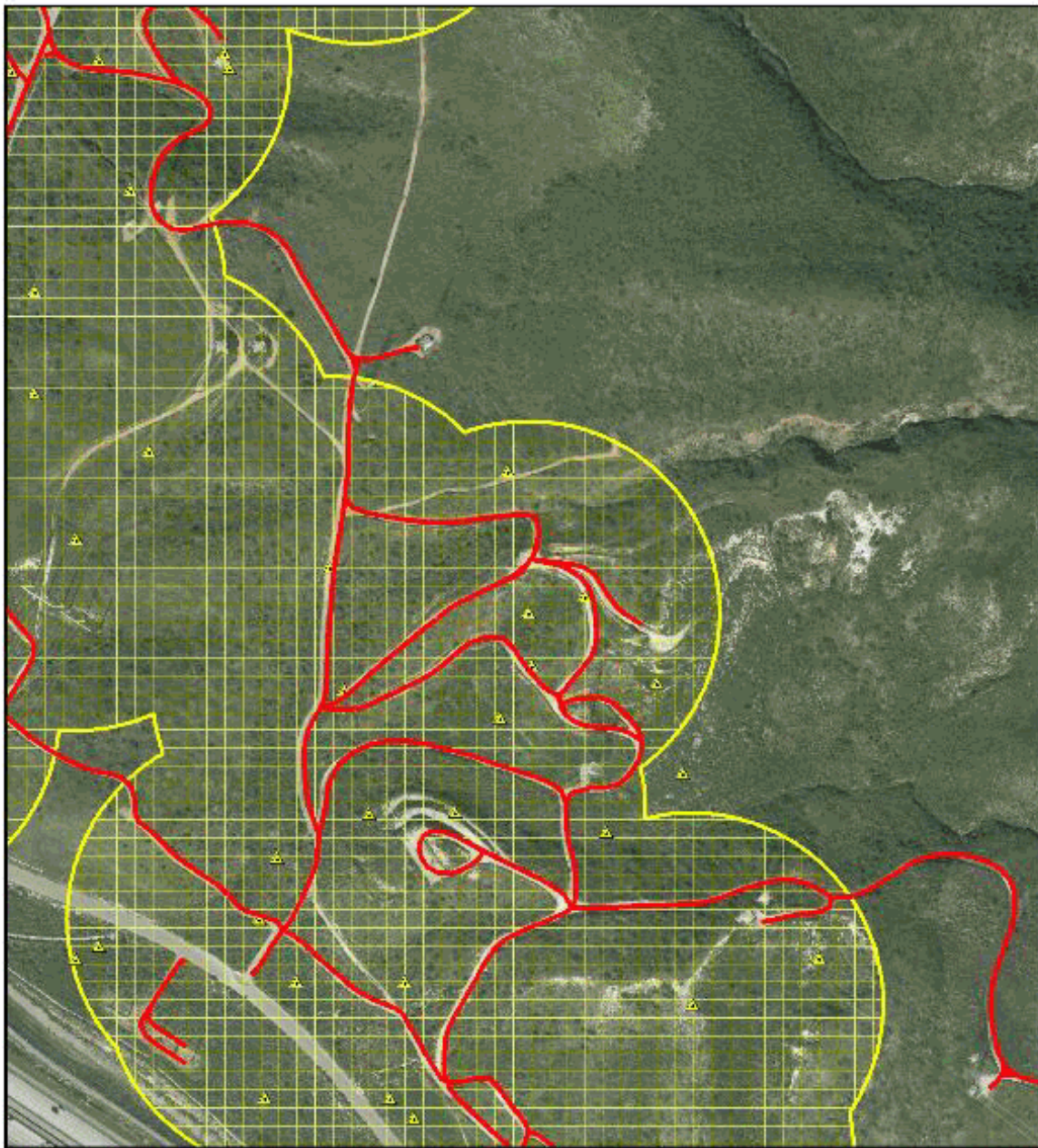
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Legend

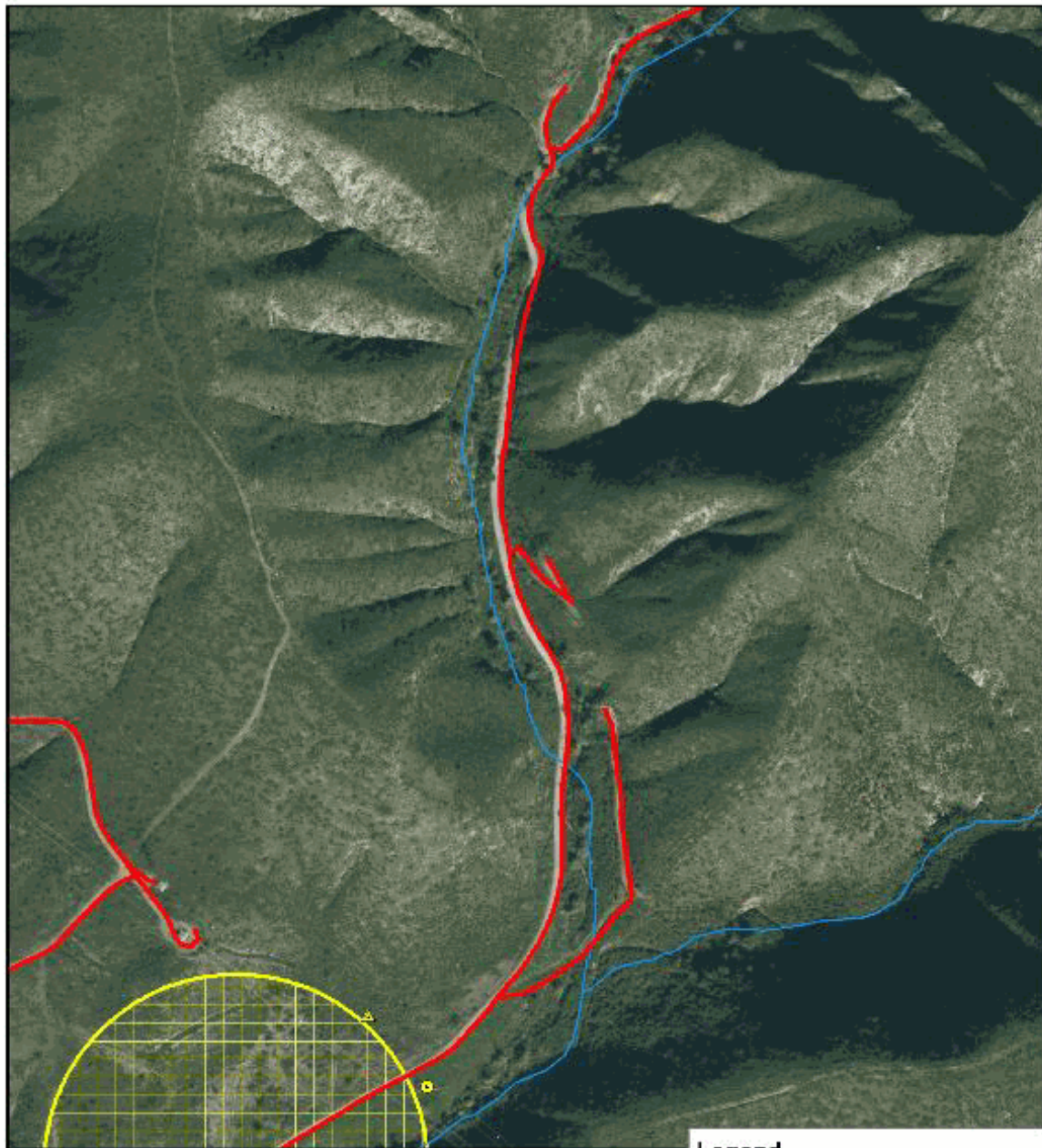
-  SDG&E Access Roads
-  Pacific Pocket Mouse 150m Buffer
-  Pacific Pocket Mouse (All Surveys)
-  California Gnatcatcher 150m Buffer
-  California Gnatcatcher (All Surveys)

20130061 - ANNUAL SDG&E TRANSMISSION ROAD GRADING



<p>MARINE CORPS BASE CAMP PENDLETON</p>		<p>SCALE: 1:4000</p> <p>0 100 200 400 800 Feet</p> <p>0 20 40 80 120 Meters</p>	<p>Legend</p>
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20130061 - ANNUAL SDG&E TRANSMISSION ROAD GRADING

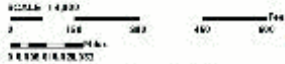


MARINE CORPS BASE
CAMP PENDLETON



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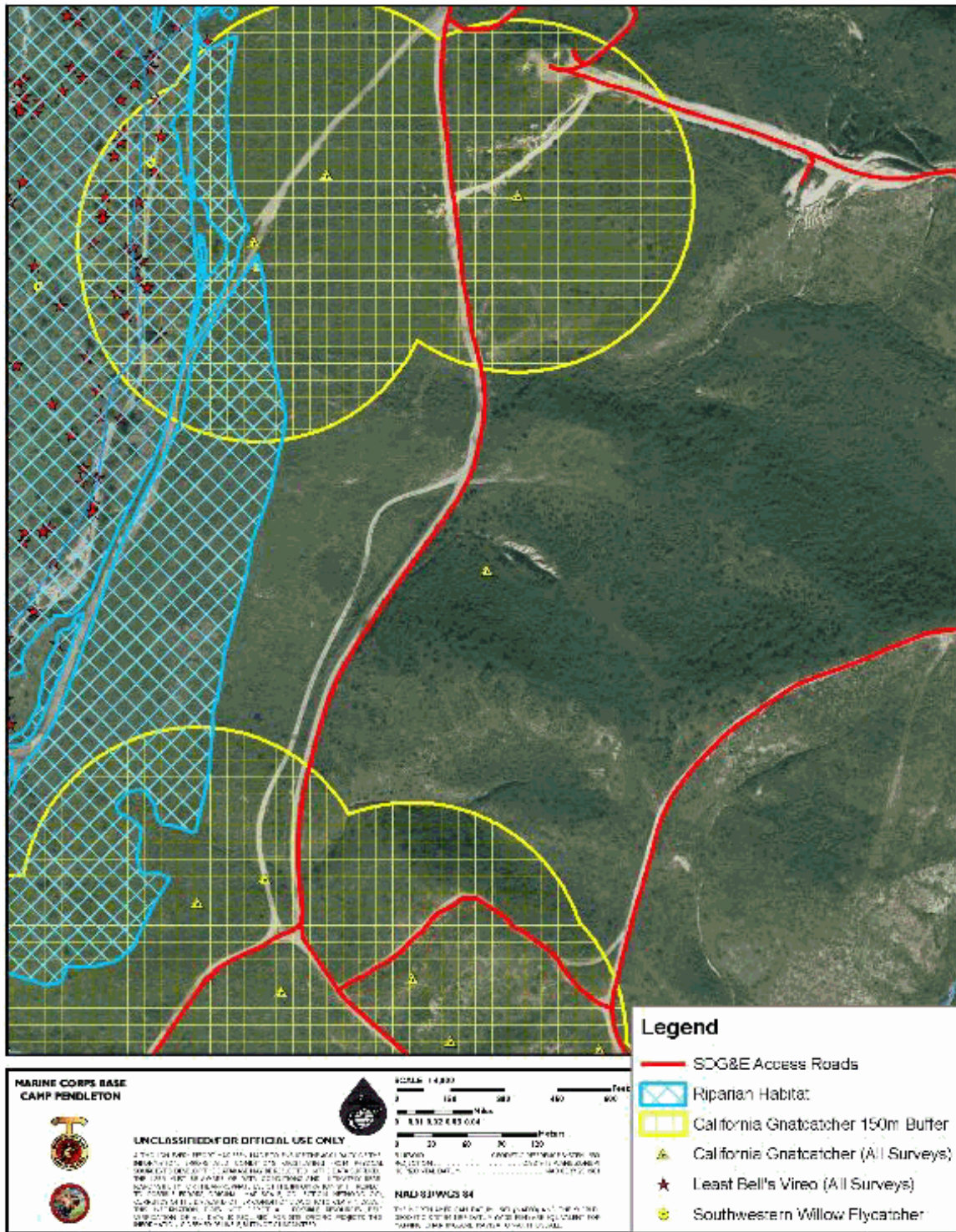


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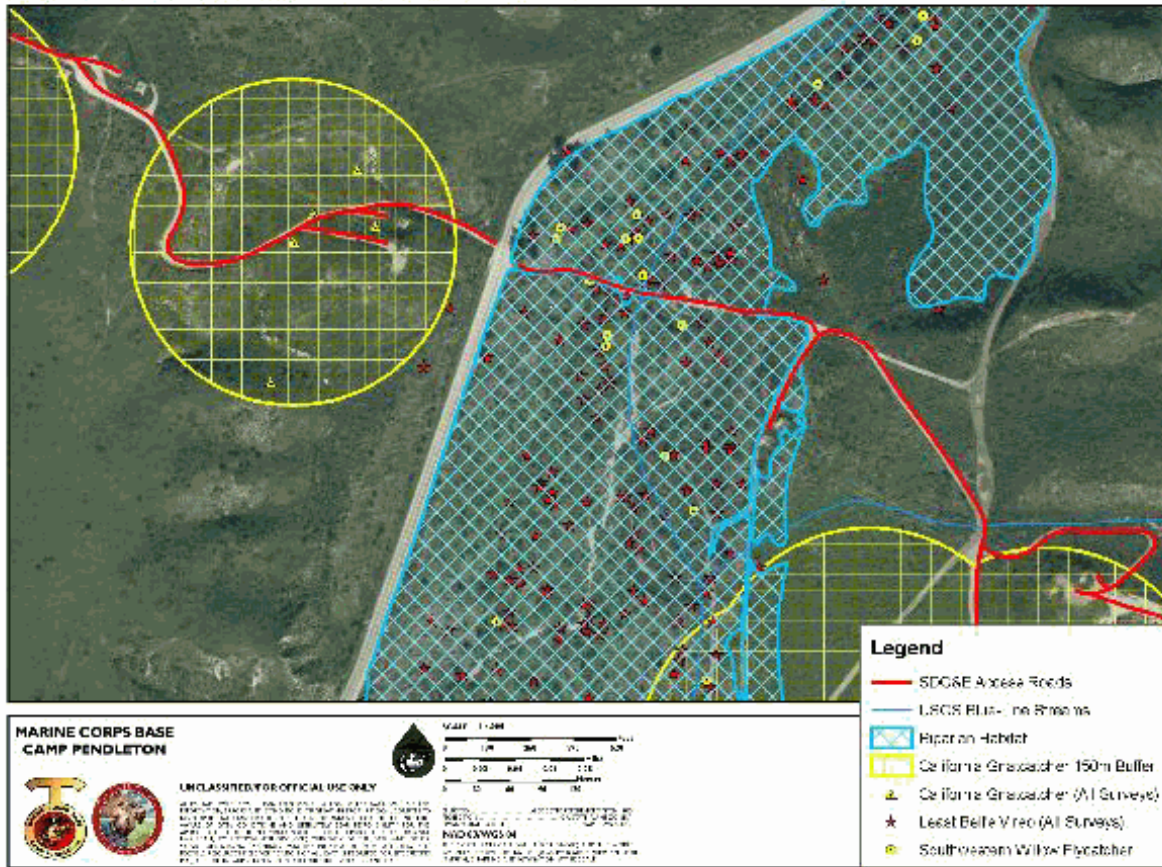
Legend

- SDG&E Access Roads
- USGS Blue-Line Streams
- California Gnatcatcher 150m Buffer
- ▲ California Gnatcatcher (All Surveys)
- Southwestern Willow Flycatcher

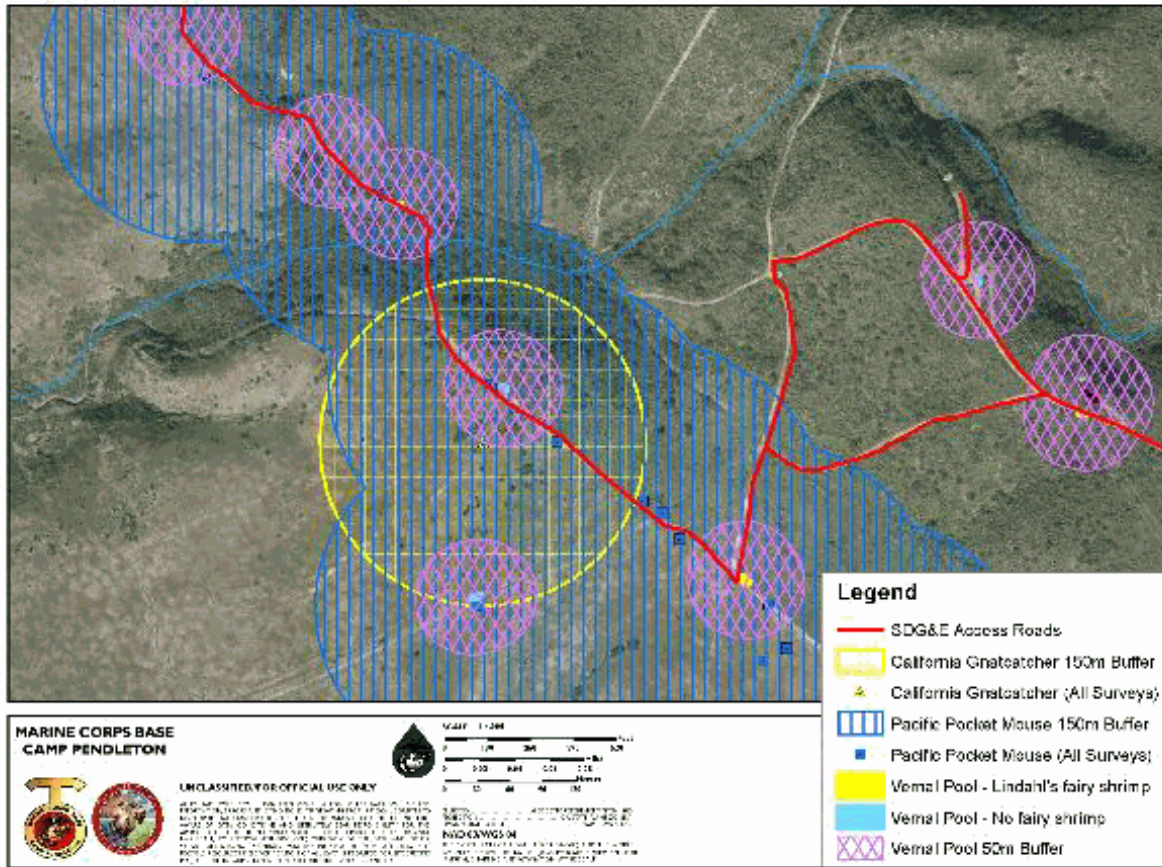
20130061 - ANNUAL SDG&E TRANSMISSION ROAD GRADING



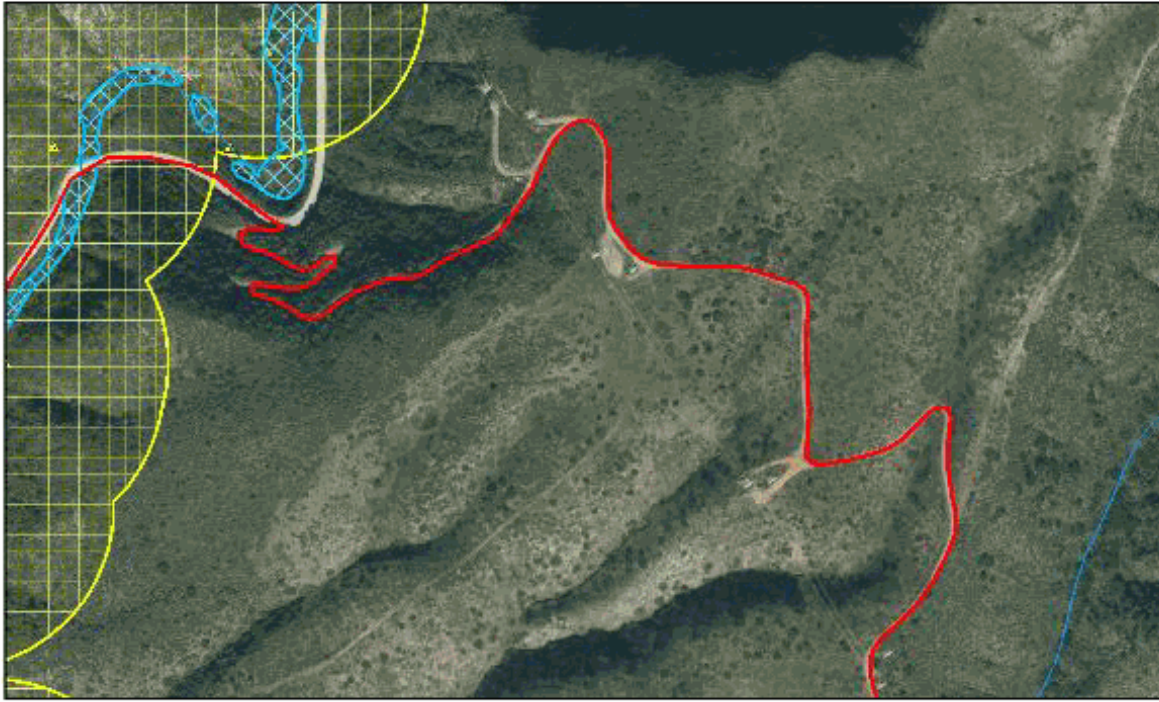
20130061 - ANNUAL SDG&E TRANSMISSION ROAD GRADING



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20130061 - ANNUAL SDG&E TRANSMISSION ROAD GRADING



**MARINE CORPS BASE
CAMP PENDLETON**



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SCALE: 1:200



Legend

- SDG&E Access Roads
- Riparian Habitat
- California Gravelocher 150m Buffer
- California Gravelocher (All Surveys)

NOTES:

1. THIS MAP IS A SUMMARY OF THE DATA PROVIDED IN THE ATTACHED DATA FILES. IT IS NOT A FIELD SURVEY AND SHOULD NOT BE USED FOR DESIGN OR CONSTRUCTION PURPOSES.

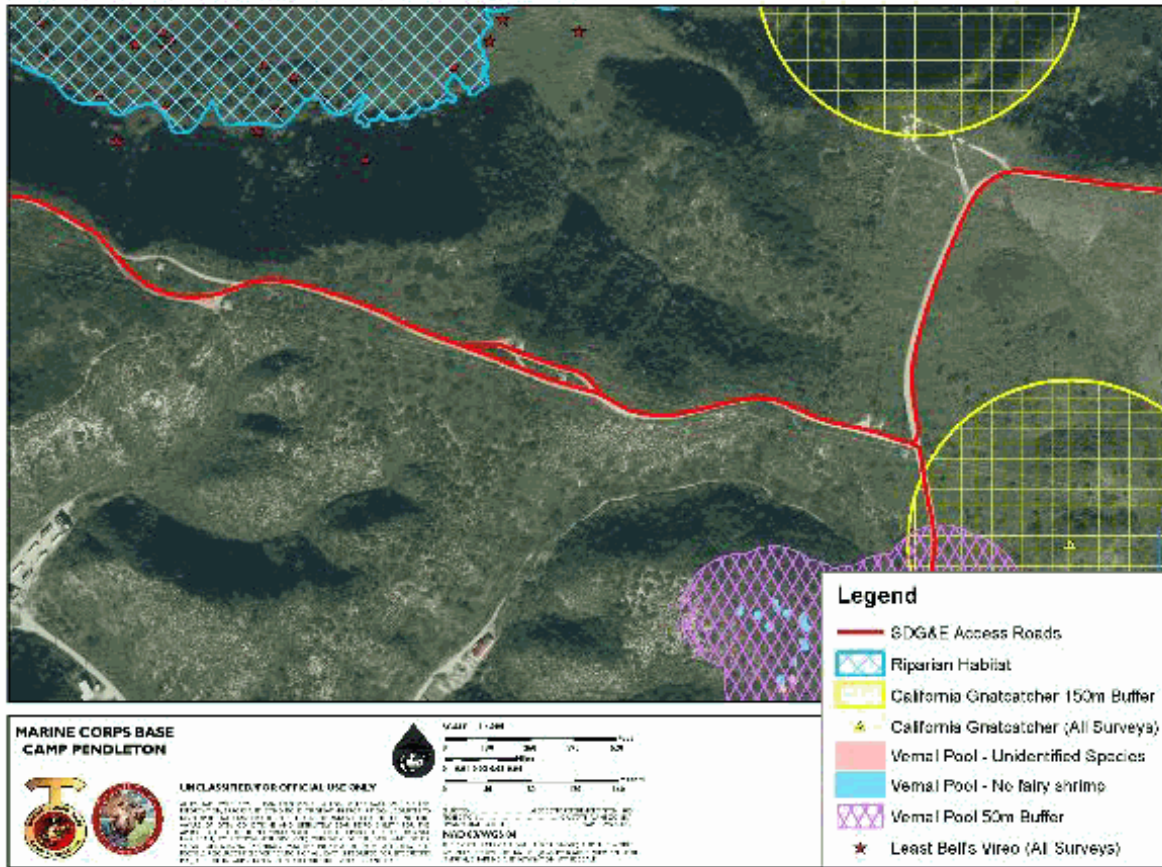
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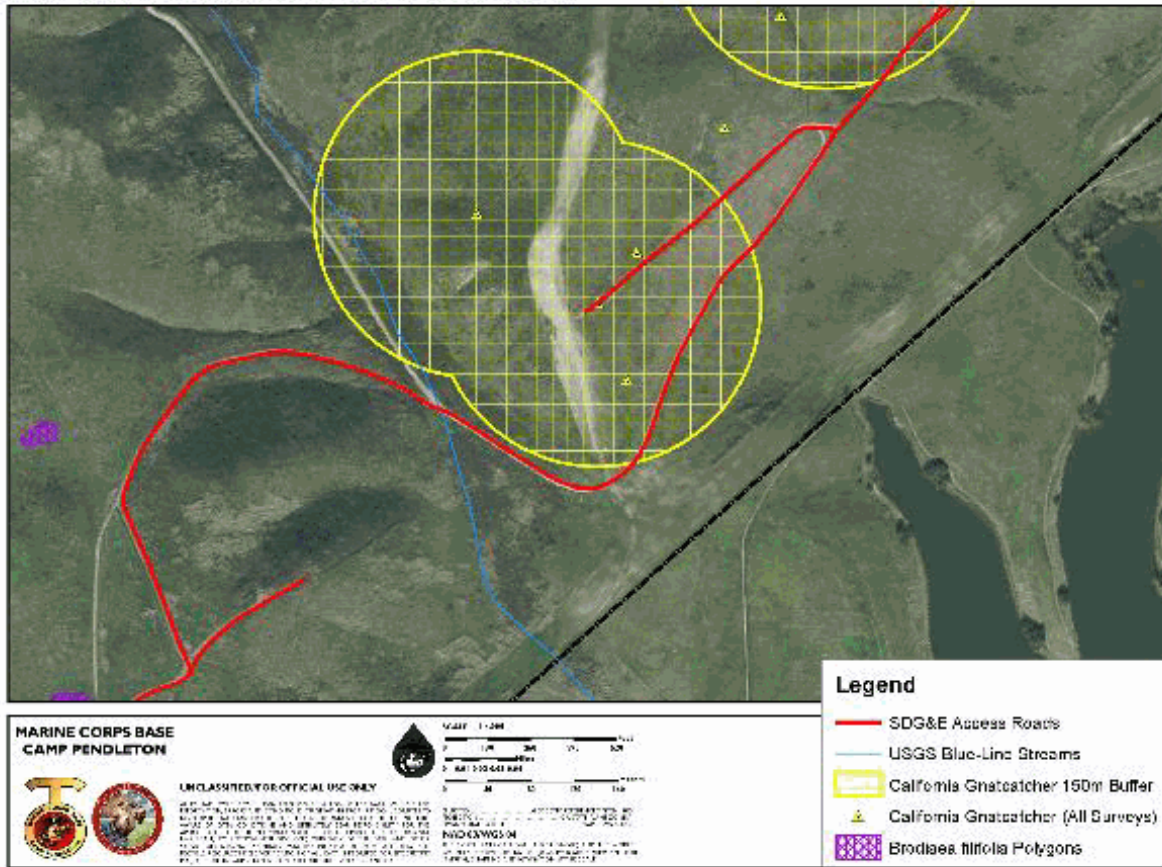
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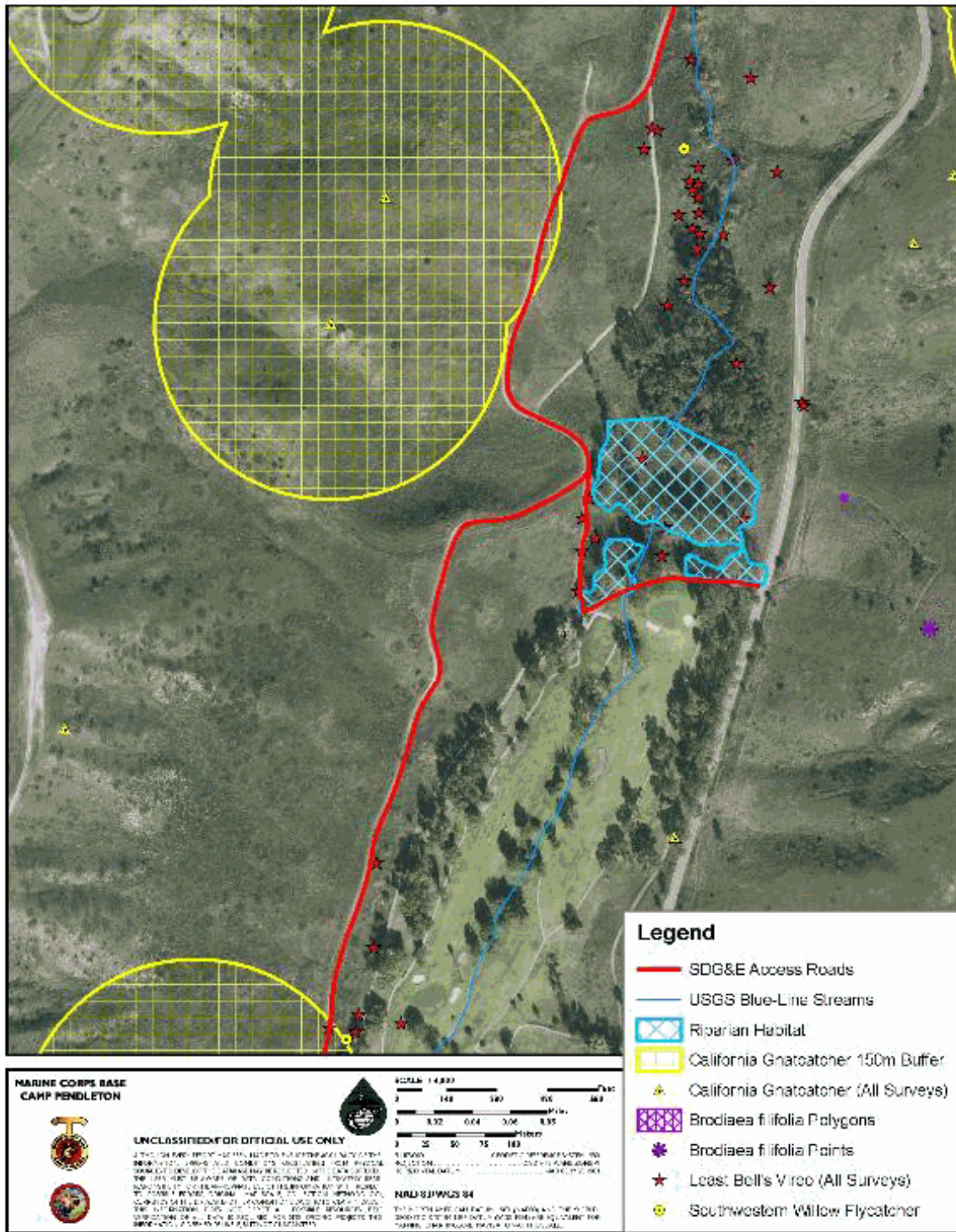
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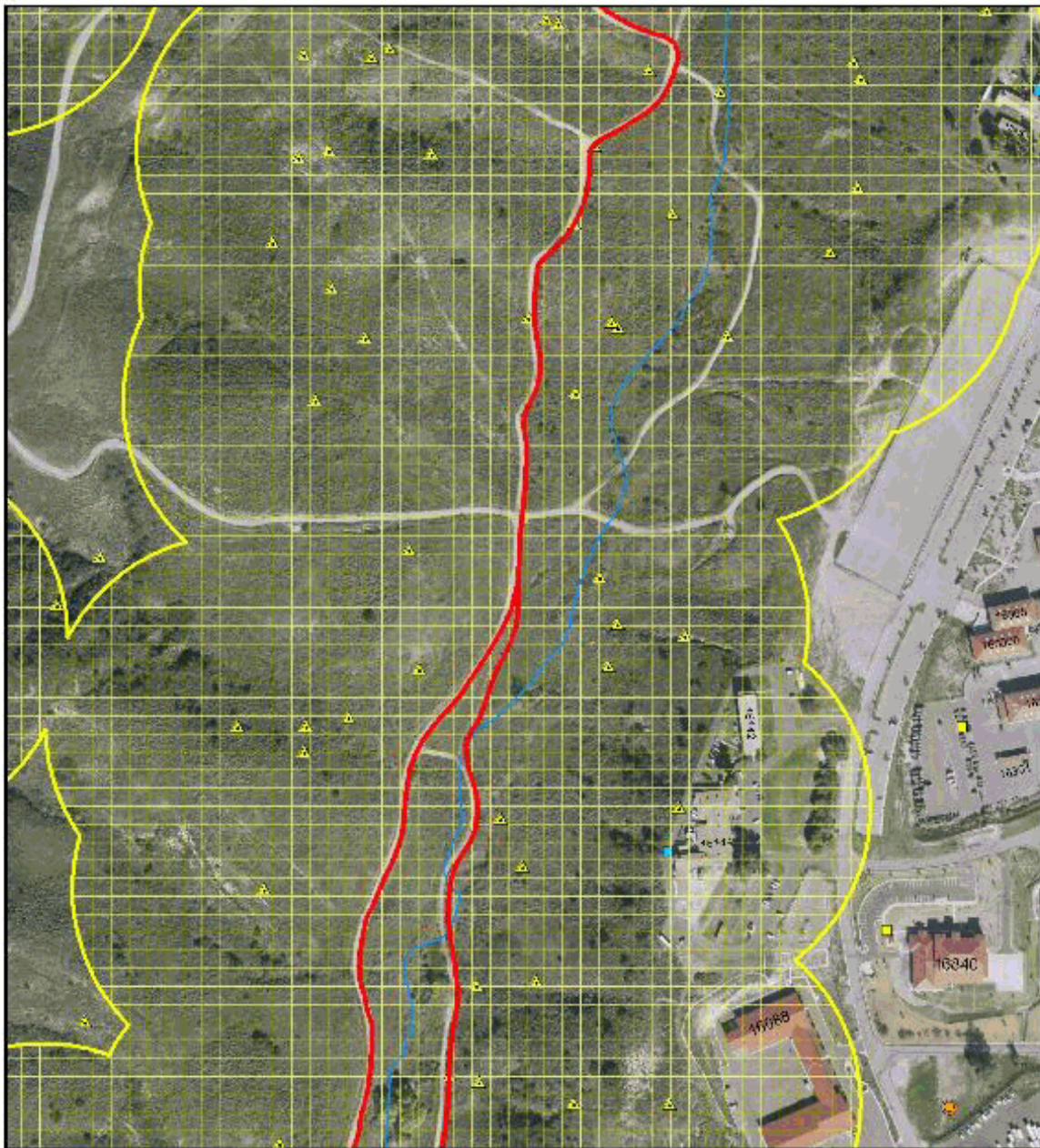
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



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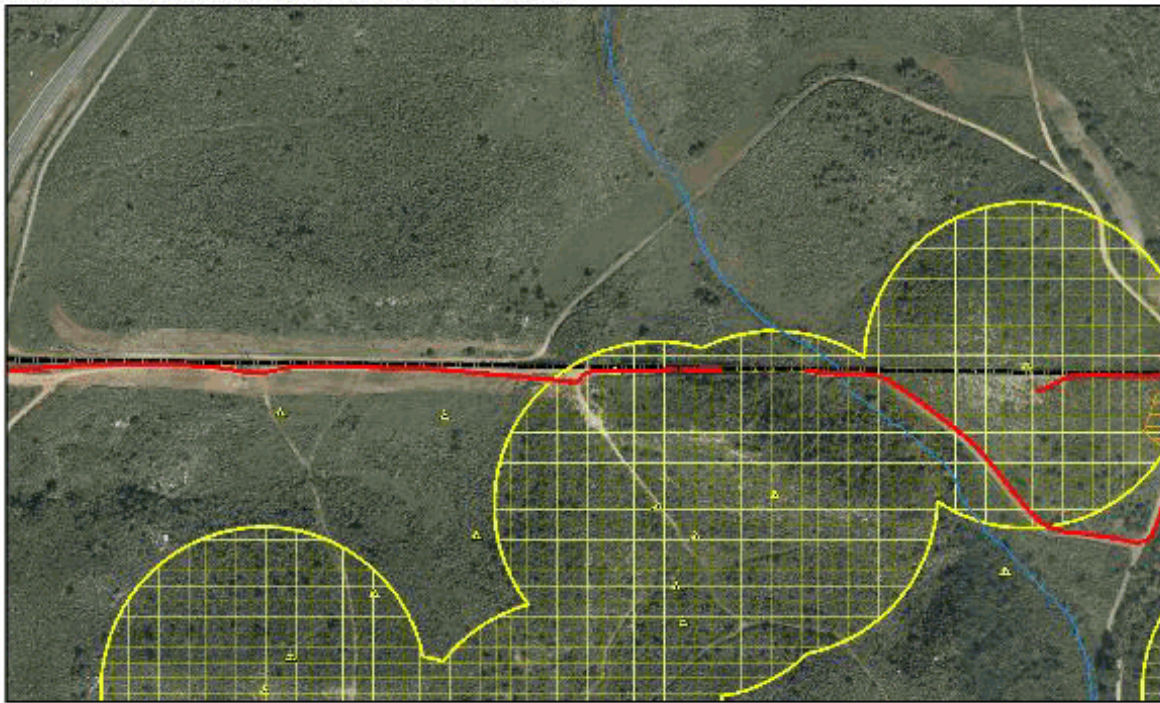


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<p>MARINE CORPS BASE CAMP PENDLETON</p>  	<p>UNCLASSIFIED//FOR OFFICIAL USE ONLY</p> <p>THIS DOCUMENT CONTAINS INFORMATION RELATING TO NATIONAL DEFENSE WHICH, IF DISCLOSED, COULD BE DAMAGING TO THE NATIONAL DEFENSE. THE USE AND DISSEMINATION OF THIS INFORMATION IS RESTRICTED TO THE PERSONNEL OF THE MARINE CORPS. IT IS TO BE KEPT IN CONFIDENCE AND IS NOT TO BE DISTRIBUTED OR RELEASED TO THE PUBLIC OR TO ANY OTHER AGENCY OR INDIVIDUAL WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE MARINE CORPS. THIS DOCUMENT IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE.</p>	<p>SCALE 1:4000</p>  <p>NAI 8319025 84</p> <p>THIS INFORMATION IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE. IT IS TO BE KEPT IN CONFIDENCE AND IS NOT TO BE DISTRIBUTED OR RELEASED TO THE PUBLIC OR TO ANY OTHER AGENCY OR INDIVIDUAL WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE MARINE CORPS.</p>	<p>Legend</p> <ul style="list-style-type: none"> — SDG&F Access Roads — USGS Blue-Line Streams California Gnatcatcher 150m Buffer ▲ California Gnatcatcher (All Surveys)
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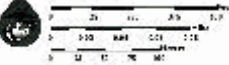


**MARINE CORPS BASE
CAMP PENDLETON**



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SCALE: 1:200



Legend

- SD&E Access Roads
- USGS Blue-Line Streams
- California Catchment 150m Buffer
- California Catchment (All Surveys)

NOTES:

1. This map was prepared using the following data sources: [illegible text]

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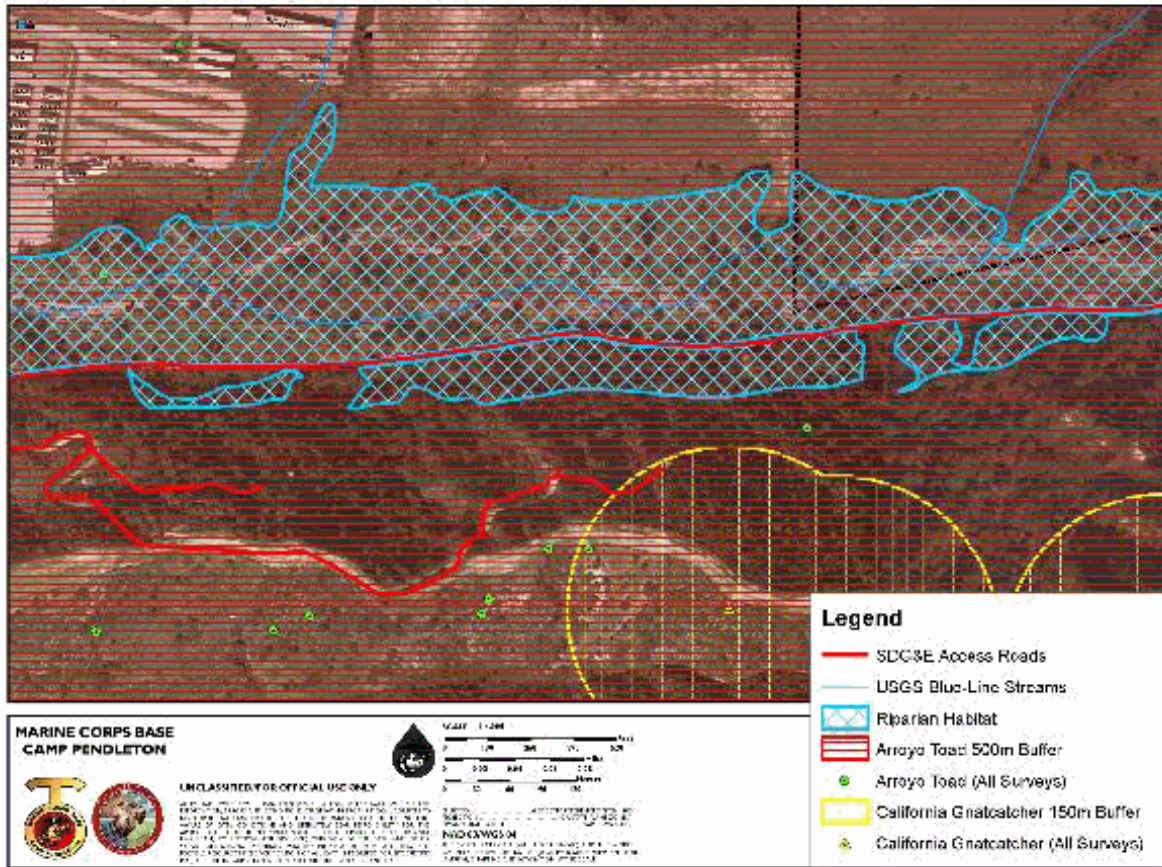
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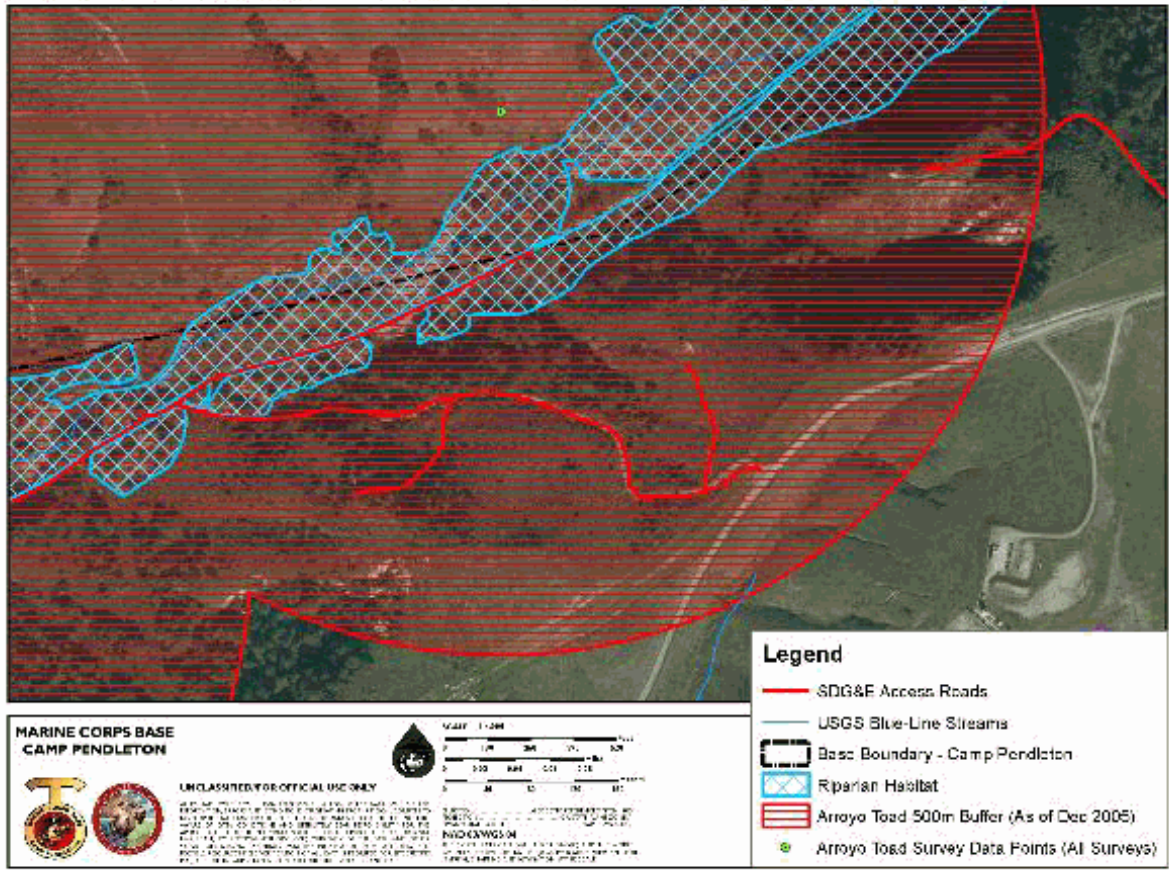
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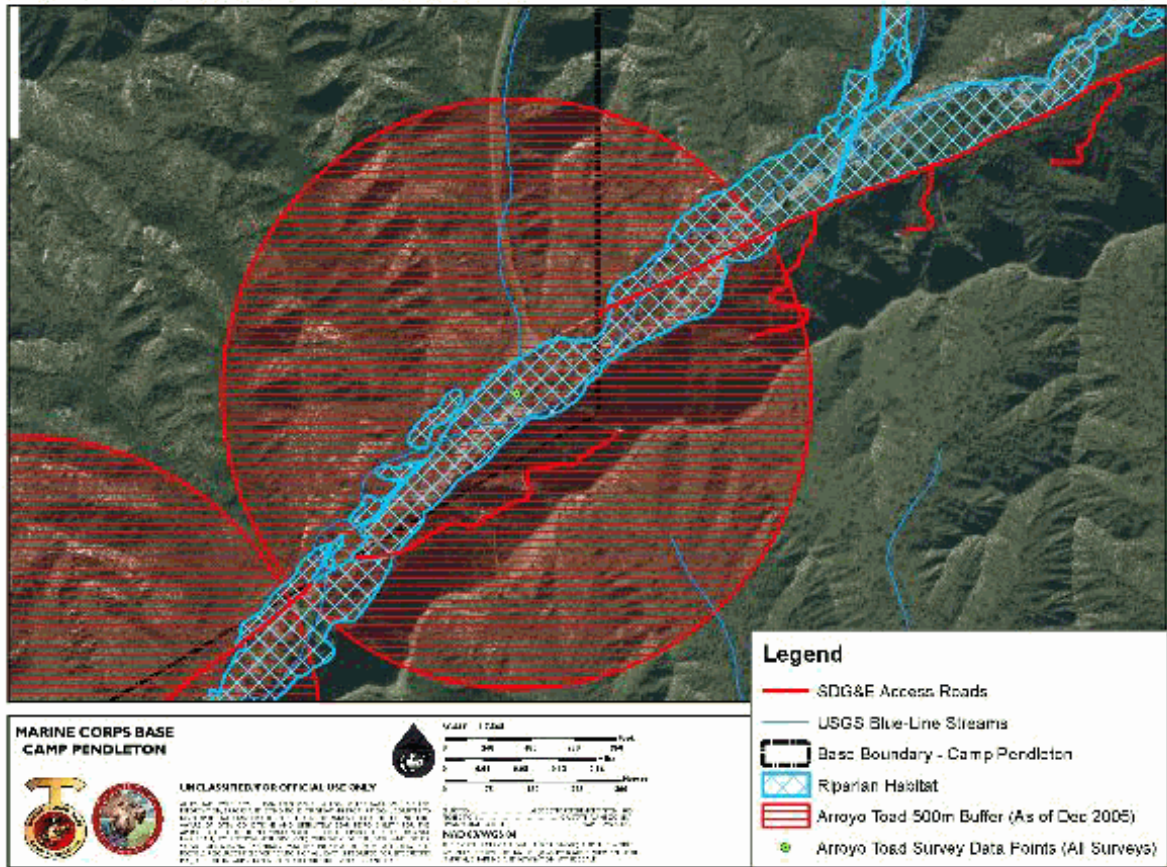
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APPLICABLE CONDITIONS

1. SITE ACCESS/RESTRICTIONS:

a. The project work areas are limited to the sites specified in enclosure (1) and enclosure (2). Parking, driving, and project staging of equipment and vehicles (i.e., lay down) are limited to previously compacted and developed areas.

b. Access to the project site shall utilize existing Base roads.

c. All equipment and/or vehicles shall be power-washed before entering Camp Pendleton property and the project site. This is to control the spread of invasive (non-native) weeds. These measures are in support of Marine Corps Order P5090.2A, 11200.7, which requires installations to restrict the introduction of exotic species into natural ecosystems.

2. TRAFFIC: If during the performance of work it becomes necessary to modify vehicular traffic patterns at any locations a Traffic Control Permit shall be acquired. Fill out the Camp Pendleton Police Department Traffic Division Traffic Plan Request with all required information and provide a Traffic Control Plan detailing the proposed controls to traffic movement. Where necessary provide cones, signs, barricades, lights, or other traffic control devices and personnel required to control traffic.

3. STORMWATER:

a. Projects must comply with specific stormwater design standards found in the Camp Pendleton Requirements (CPR), latest edition, which can be obtained from Public Works.

b. Camp Pendleton has been designated a Nontraditional Permittee under the California Phase 2 Small Municipal Separate Storm Sewer System (MS4) Permit, State Water Resources Control Board (SWRCB) Order No. 2013-0001-DWQ (NPDES No. CAS000004). Contractors must comply with Post Construction Standards found in Section F.5.g of the Small MS4 Permit. Design storm criteria are given in the permit.

(1) This project contains activities subject to the Source Control Measures found in Section F.5.g.2.a of the Small MS4 permit. Pollutant generating activities and sources must be designed consistent with the CASQA Stormwater BMP Handbook for New Development and Redevelopment. Activities subject to source control standards include, but are not limited to:

(a) Maintenance and storage areas

c. Storm Water Best Management Practices shall be implemented where applicable to prevent sediment, oil and other pollutants from reaching storm drains and surface waters.

4. LAND AND WILDLIFE MANAGEMENT: SDG&E will conduct activities in accordance with operational protocols described in Section 7.1 of the Subregional Natural Community Conservation Plan (NCCP) and the Memorandum of Understanding between the USFWS and CDFG (References (e) and (f)) and subsequent US Fish and Wildlife consultations (References (g) and (h)). These operation protocols were developed to avoid Incidental Take or impact to species listed under the

Endangered Species Act (ESA) and their habitats.

a. The project is within and adjacent to habitats occupied by Federally Listed flora and fauna species.

b. All SDG&E NCCP operational protocols and mitigation measures shall be followed during road maintenance activities, including but not limited to:

(1) Conducting safety and environmental tailgates.

(2) Pre-construction surveys for sensitive biological resources.

(3) Monitoring and flagging of migratory and ESA Listed bird nests; occupied California gnatcatcher, and rare plant habitat; riparian areas; vernal pools; drainage features; and natural waterways will be completed by a qualified biological monitor. Monitoring and flagging for active nests that occur within 50 feet on either side of the project area during bird breeding season (15 February - 31 August). Flagging is placed 25 feet on either side of the nest so that the construction and vegetation trimming activities do not impact these species.

(4) Plant material from trimming activities will be removed from the site to a permitted disposal location.

c. In the event SDG&E identifies a Federally listed plant species within a 10 foot radius around power poles, which is the area required to be cleared for fire protection purposes, SDG&E shall notify the USFWS and MCBCP ES Consultation Section, in writing, of the plant's identity and location of the proposed activity, which will result in a Take of such a plant.

d. Reports. SDG&E shall provide copies of the information associated with projects on MCBCP in their Annual Report to the USFWS including but not limited to the following:

(1) Monitoring. At completion of work, the Environmental Surveyor shall verify compliance, including observing that flagging areas have been avoided; identify previously unidentified dens, burrows, or plants located on any project sites after the pre-activity survey; and recording habitat acreages impacted by the project.

(2) Mitigation. The SDG&E will provide MCBCP Consultation Section with the acreage of temporary and permanent habitats impacted by the project. The report will also include the table associated with MCBCP project habitat impacts provided to the USFWS in their Annual Report.

(3) Incidental Take. In the event of unavoidable impacts resulting in Take as authorized under USFWS ESA Section 10(a) Permit (References (e) and (f)), the SDG&E shall provide MCBCP ES Consultation Section a copy of the report submitted to the USFWS.

e. Fire Prevention. Wildfires will be prevented by exercising care when driving and by not parking vehicles in grass where catalytic converters can ignite it. In times of high fire hazard, trucks will need to carry water and shovels or fire extinguishers in the field. No smoking or disposal of cigarette butts will take place within vegetated areas.

f. All flagging, BMP's, and small animal protection measures shall be removed upon completion of the project.

g. Clean Water Act. No dumping or fill shall be placed in/near any Clean Water Act (CWA) Section 404 Water of the U.S. except as authorized by a permit from the U.S. Army Corps of Engineers (USACE) in support of the CWA (33) U.S.C. §§ 1251 - 1387 section 404, the Soil and Water Conservation Act (16) U.S.C. §§ 2001 - 2009, and MCO P5090.2A, 11201.3. SDG&E shall provide a copy of any applicable permits obtained in relation to this project to MCBCP Consultation Section prior to commencing work.

5. CULTURAL RESOURCES. SHPO concurrence with no adverse effects with the following conditions (See Enclosure (4)):

- a. Avoidance of all archaeological sites in the APE;
- b. Development and implementation of a monitoring program to ensure avoidance of direct impacts to the sites from the grading activities;
- c. Monitoring of all grading activities by qualified archaeological and Native American monitors;
- d. Development and implementation of a discovery plan; and
- e. A monitoring report will be submitted to my office upon completion of the proposed undertaking.
- f. In the event that archaeological materials (e.g., shell, wood, bone, or stone artifacts) are found or suspected during project operations or the project footprint is altered, work must be halted in the area of discovery and the ES Cultural Resources Management Section notified at (760) 725-9738, as soon as practicable, but no longer than 24 hours after the discovery. Project work at the discovery site shall not proceed until the Base Archaeologist has the opportunity to evaluate the find and gives permission to resume construction activities.

6. EXCESS MATERIAL DISPOSAL: All construction and demolition debris generated by the proposed action shall be appropriately identified, handled, and disposed of in accordance with federal, state, and local laws and regulations.

a. The waste generator shall not send unauthorized waste to the Base landfills as identified in Base Order 5000.2L, Chapter 10, and shall only send approved demolition waste as authorized by the Facilities Maintenance Officer (FMO).

b. At least 50% of the construction and demolition debris generated from the project shall be diverted from placement in a landfill through recycling, or reuse to comply with Executive Order (E.O.) 13514 and MCO P5090.2A, 17200.3.b (3).

c. Any dirt temporarily moved to install fencing should remain within the project boundary. Soil layers excavated from the site should be returned in the same order they were removed (i.e., the topsoil is to be returned to the topmost level).

7. TREATED WOOD MATERIALS:

a. Any treated wood materials that are not proposed for recycling shall undergo the California Waste Extraction Test (WET); wastes that pass shall be designated as non-hazardous waste and appropriately identified, handled and disposed of in accordance with provisions outlined within CCR Title 14, Division 7, Chapter 3.

b. Wastes that fail shall be designated and disposed of as hazardous waste in accordance with CCR Title 8, Sections 66260.1 through 66279.91, and H&SC Section 25150.7 and 25143.1.5.

8. SPILL CONTROLS AND COUNTER MEASURES: The project must comply with the Base Spill Control and Countermeasures Plan, which is available by contacting the ES Spill Prevention and Planning Section at (760) 725-9743/9768.

a. The action proponent will be responsible for their own hazardous material accidents in accordance with Base, local, state, and federal laws and regulations including clean up, and associated costs.

b. All spills must be reported to the ES Spill Prevention and Planning Section immediately. This Section will make the appropriate regulatory reporting notifications for the spill.

9. WASTEWATER: The project proponent, construction oversight authority, or duly designated contractor shall ensure caution is taken to avoid damage to existing infrastructure. Any costs associated with repairing damage to the existing sanitary sewer infrastructure and all remedial efforts resulting from discharged sewage will be the sole responsibility of the project proponent, construction oversight authority, or duly designated contractor.

10. DRINKING WATER: The project proponent, construction oversight authority, or duly designated contractor shall exercise caution to prevent damage to existing potable water mains during construction. The Facilities Maintenance Department (FMD) shall be notified immediately at (760) 725-4324/4348 if a water main is damaged.

11. MUNITIONS: This project appears to be occurring on or adjacent to a former or current operational range.

a. Caution should always be used when digging, drilling, grading, or any earth movement occurs. Should Unexploded Ordnance (UXO) be located, the "Three R" method should be used. Recognize, Retreat, Report to the Provost Marshall's Office at (760) 725-3888 or dial 911 immediately.

b. All range soil shall remain within the range boundary and shot fall area and shall continue to be used for the same purpose. If any soil is to be removed from the range, appropriate hazardous constituent sampling and testing shall be completed. If soil is determined to be hazardous waste, it shall be packaged, stored, and shipped in accordance with hazardous waste guidelines and regulations.

c. All hazardous waste manifests shall be signed by the ES Hazardous Waste Section, (760) 725-4375. If solid Lead or Copper is removed from the range, it may be recycled in accordance with the base Qualified Recycling Program (QRP) regulations.

d. Any item meeting the definition of a military munition, as found in the 40 CFR 266 (Military Munitions Rule), shall be properly demilitarized prior to transport from an operational range. Munitions meeting this definition without being properly demilitarized for recycling or resale, shall be considered hazardous waste and treated as such. Proper handling, packaging, storing, and shipping as designated by the Resource Conservation and Recovery Act (RCRA) will apply. All questions shall be directed to the Military Munitions Rule Manager at (760) 725-9774.

12. HAZARDOUS WASTE:

a. Ensure proper hazardous waste manifest procedures are followed for all hazardous waste being generated and transported off Camp Pendleton. The ES Hazardous Waste Section personnel are the only personnel authorized to sign manifests for Camp Pendleton. All hazardous waste manifests shall be approved and signed by the Hazardous Waste Branch personnel prior to the waste leaving Camp Pendleton.

b. If hazardous waste is generated, it shall be stored in compliance with local, state and federal regulations. Hazardous waste shall be removed from Camp Pendleton within 60 days of initial generation. Please contact the ES Hazardous Waste Section at (760) 725-4375 if you have any questions regarding Camp Pendleton's storage requirements.

13. INSTALLATION RESTORATION/REMEDIATION: During construction if soil contamination (discolored and or odorous) is discovered contact the ES Installation Restoration / Remediation Section at (760) 725-9744/9774 for necessary remedial requirements.

14. AIR QUALITY: All equipment use and activities proposed as part of this action shall comply with all federal, state, and local air quality regulations. This includes, but is not limited to: San Diego Air Pollution Control District (SDAPCD) permitting requirements; airborne toxic control measures (ATCM) requirements for fleet equipment; painting/coating, rock crushing/grinding, and paving/asphalt operation requirements; and anti-idling requirements for diesel vehicles.