

Appendix D3 Biological Technical Report

December 3, 2007

Ms. Sandra Marquez
U.S. Fish and Wildlife Service
Carlsbad Field Office
6010 Hidden Valley Road
Carlsbad, California 92011

Dr. John Gustafson
Habitat Conservation Planning Branch
California Department of Fish and Game
1416 9th Street, Suite 1341
Sacramento, California 95814

Subject: 35-Acre Parcel in the City of San Bernardino, San Bernardino County Kangaroo Rat Trapping, November 2007

Dear Ms. Marquez and Dr. Gustafson:

This letter report documents the results of five nights of small mammal live trapping within the boundaries of the approximately 35-acre project site (Assessor's Parcel Number 266-041-62) located in the City of San Bernardino, San Bernardino County, California. Trapping was conducted within areas of suitable habitat. The trapping was conducted to determine the presence or absence of the endangered San Bernardino kangaroo rat (*Dipodomys merriami parvus*) according to survey guidelines established by the United States Fish and Wildlife Service. No San Bernardino kangaroo rats were captured.

STUDY AREA

The project site is surrounded to the north by Interstate 215, to the south by Industrial Parkway, to the east by Palm Avenue, and to the west by a vacant lot and industrial development. The entire site is vacant, with approximately one third of the site cleared of vegetation as a result of recent disking and the remaining portions of the site primarily composed of sage scrub/chaparral vegetation. Geographically, the study area is within a portion of the southeast quarter and northeast quarter of the southwest quarter of Section 21, Township 1 North, Range 5 West in the City of San Bernardino, San Bernardino County, as shown on the United States Geological Survey *San Bernardino North, California* 7.5-minute topographic map (Figure 1; all figures attached). Approximate Universal Transverse Mercator (UTM) coordinates are ³⁷82^{800m} on the north, ³⁷82^{500m} on the south, ⁴⁶66^{500m} on the west, and ⁴⁶67^{200m} on the east. The elevation of the study area ranges from approximately 1,640 to 1,800 feet above mean sea level. Vegetation on site is dominated by sage scrub.

METHODS

Richard Erickson and/or Leo Simone were present and responsible for the entire trapping effort pursuant to the LSA Associates, Inc. (LSA) Federal Fish and Wildlife Permit No. TE-777965-7 (May 10, 2004–May 9, 2007) and a temporary authorization from the California Department of Fish and Game (Department) (May 12, 2003–March 31, 2007; renewal request submitted March 26, 2007) in lieu of a Memorandum of Understanding between LSA and the Department.

A total of 170 Sherman live traps were set in four traplines, as shown in Figure 2. The traps were set and baited in the evening with a mixture of wild birdseed and rolled oats. Traps were checked at midnight and at dawn, at which time captured animals were identified and released unharmed.

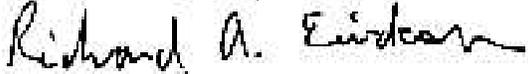
RESULTS

Trapping resulted in 87 small mammal captures involving two species. A summary of all trapping results is shown in Table A. No San Bernardino kangaroo rats were captured.

Please contact Richard Erickson or Leo Simone if you have any questions about this survey.

Sincerely,

LSA ASSOCIATES, INC.



Richard Erickson
Associate/Biologist



Leo Simone
Senior Biologist

Attachments: Figures 1 and 2
Table A
CNDDDB Form

Table A: 35-Acre San Bernardino Site. Trapping Summary, November 2007

Date	Capture Totals										Grand Total
	Nov. 5 p.m.	Nov. 6 a.m.	Nov. 6 p.m.	Nov. 7 a.m.	Nov. 7 p.m.	Nov. 8 a.m.	Nov. 8 p.m.	Nov. 9 a.m.	Nov. 9 p.m.	Nov. 10 a.m.	
Number of Traps Checked	170		170		170		170		170		850
Species											
Deer mouse <i>(Peromyscus maniculatus)</i>	7	7	6	10	8	10	9	11	6	12	86
San Diego desert woodrat <i>(Neotoma lepida)</i>	0	0	0	0	0	0	0	0	0	1	1
Total Rodent Captures	7	7	6	10	8	10	9	11	6	13	87
California towhee <i>(Pipilo crissalis)</i>	0	0	0	1	0	0	4	1	0	0	6
White-crowned sparrow <i>(Zonotrichia leucophrys)</i>	0	0	0	2	0	0	8	1	0	2	13
Total Bird Captures	0	0	0	3	0	0	12	2	0	2	19

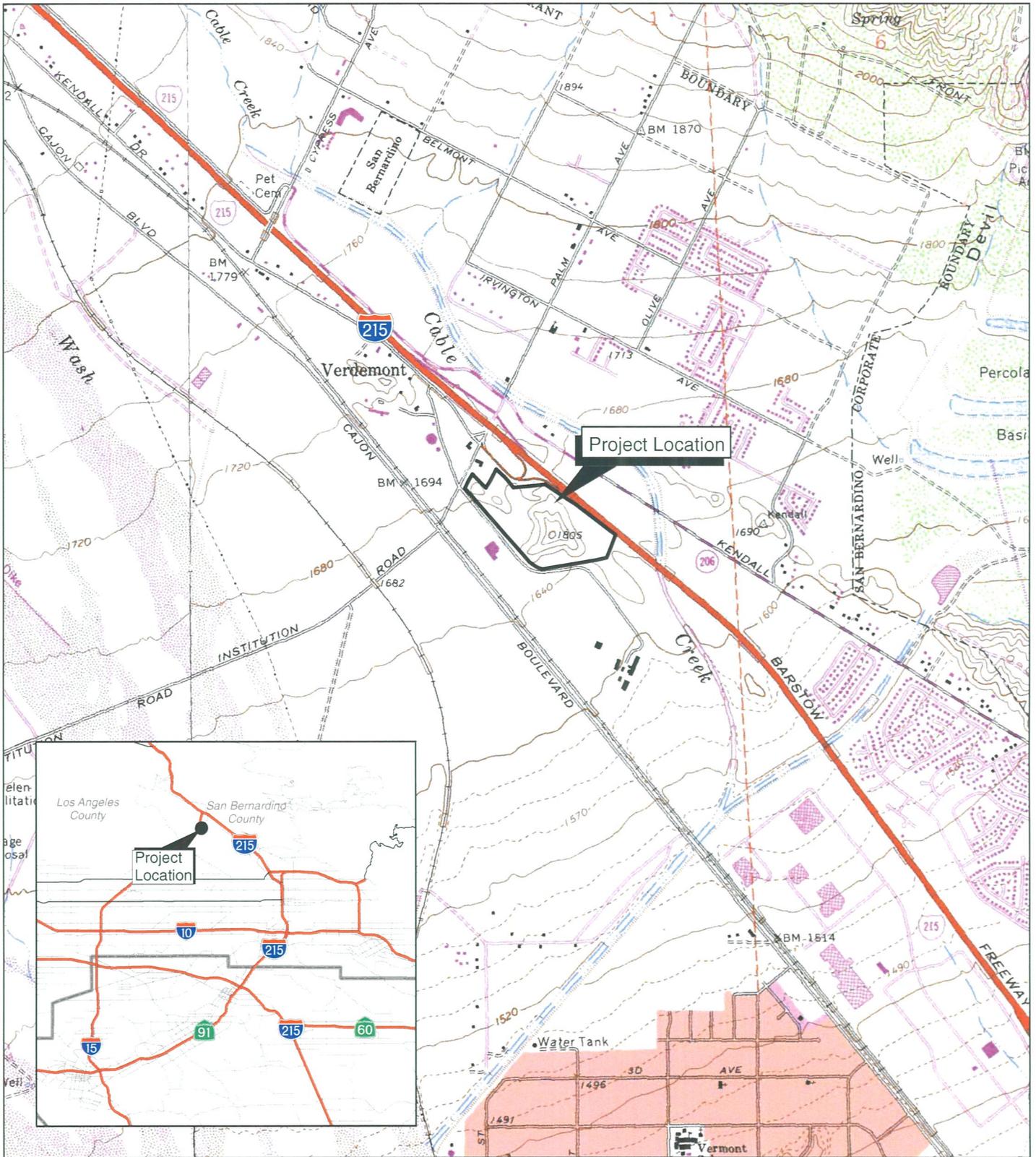
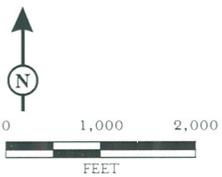


FIGURE 1

LSA



LEGEND
 Project Boundary

San Bernardino Warehouse
 Project Location Map

SOURCE: USGS 7.5' QUAD-San Bernardino North ('88)

I:\PBJ0702\GIS\fig1_projloc.mxd (12/3/2007)



FIGURE 2



LEGEND
 Project Boundary
 Trapline



SOURCE: AirPhoto USA (2007)
 I:\PBJ0702\GIS\trapline_near_215.mxd (12/3/2007)

San Bernardino Warehouse
 Trapline Location

Mail to:
California Natural Diversity Database
Department of Fish and Game
1807 13th Street, Suite 202
Sacramento, CA 95814

Fax: (916) 324-0475 email: CNDDDB@dfg.ca.gov

For Office Use Only

Source Code _____ Quad Code _____
Elm Code _____ Occ. No. _____
EO Index No. _____ Map Index No. _____

Date of Field Work (mm/dd/yyyy): 11/10/2007

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Dipodomys merriami parvus*

Common Name: San Bernardino kangaroo rat

Species Found? Yes No Not present
If not, why? _____

Total No. Individuals _____ Subsequent Visit? yes no

Is this an existing NDDDB occurrence? _____ no unk.
Yes, Occ. # _____

Collection? If yes: _____
Number _____ Museum / Herbarium _____

Reporter: Leo Simone

Address: 20 Executive Park, Suite 200
Irvine, CA 92614

E-mail Address: leo.simone@lsa-assoc.com

Phone: (949) 553-0666

Plant Information

Phenology: _____% vegetative _____% flowering _____% fruiting

Animal Information

adults # juveniles # larvae # egg masses # unknown
 breeding wintering burrow site rookery nesting other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

County: San Bernardino Landowner / Mgr.: Unknown
Quad Name: San Bernardino North Elevation: 1640 ft
T_{IN} R_{SW} Sec 21, NE ¼ of SW ¼, Meridian: H M S D Source of Coordinates (GPS, topo. map & type): Topo
T_____ R_____ Sec _____, _____ ¼ of _____ ¼, Meridian: H M S D GPS Make & Model _____
DATUM: NAD27 NAD83 WGS84 Horizontal Accuracy _____ meters/feet
Coordinate System: UTM Zone 10 UTM Zone 11 OR Geographic (Latitude & Longitude)
Coordinates: 3792800m; 467200m

Habitat Description (plant communities, dominants, associates, substrates/soils, aspects/slope):

Sage Scrub, Disturbed

Other rare taxa seen at THIS site on THIS date:
(separate form preferred)

Site Information Overall site/occurrence quality/viability (site + population): Excellent Good Fair Poor

Immediate AND surrounding land use:

Visible disturbances: Discing, commercial development, major roads

Threats: Development

Comments:

Determination: (check one or more, and fill in blanks)

- Keyed (cite reference): _____
- Compared with specimen housed at: _____
- Compared with photo / drawing in: _____
- By another person (name): _____
- Other: _____

Photographs: (check one or more)

Slide	Print	Digital
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plant / animal	<input type="checkbox"/>	<input type="checkbox"/>
Habitat	<input type="checkbox"/>	<input type="checkbox"/>
Diagnostic feature	<input type="checkbox"/>	<input type="checkbox"/>

May we obtain duplicates at our expense? yes no

Mail to:
 California Natural Diversity Database
 Department of Fish and Game
 1807 13th Street, Suite 202
 Sacramento, CA 95814
 Fax: (916) 324-0475 email: CNDDDB@dfg.ca.gov

For Office Use Only

Source Code _____ Quad Code _____
 Elm Code _____ Occ. No. _____
 EO Index No. _____ Map Index No. _____

Date of Field Work (mm/dd/yyyy): 11/10/2007

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Neotoma lepida intermedia*

Common Name: San Diego desert woodrat

Species Found? Yes No _____ If not, why? _____

Total No. Individuals 1 Subsequent Visit? yes no

Is this an existing NDDDB occurrence? _____ no unk.
Yes, Occ. #

Collection? If yes: No _____
Number Museum / Herbarium

Reporter: Leo Simone

Address: 20 Executive Park, Suite 200
Irvine, CA 92614

E-mail Address: leo.simone@lsa-assoc.com

Phone: (949) 553-0666

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Compared with specimen housed at: _____

Compared with photo / drawing in: _____

By another person (name): _____

Other: _____

Photographs: (check one or more)

Slide	Print	Digital
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Plant / animal
 Habitat
 Diagnostic feature

May we obtain duplicates at our expense? yes no

