

2011 Annual Report

FWSVFWO-19 / TE-034093-19 Ventura Fish and Wildlife Office

April 20, 2012



Glenn
Greenwald/VFWO/R1/FWS/D
OI

12/27/2011 03:09 PM

To Chris Kofron/VFWO/R1/FWS/DOI@FWS
cc Glenn Greenwald/VFWO/R1/FWS/DOI@FWS
bcc

Subject 2011 Collecting Report

History:

 This message has been forwarded.

Chris:

My 2011 CRLF (zero) collecting report is attached.

Regards,

Glenn



FWS\FW\0-19_2011_Collecting_Report.pdf

Glenn M. Greenwald
Wildlife Refuge Manager
U.S. Fish & Wildlife Service
Guadalupe-Nipomo Dunes National Wildlife Refuge
P.O. Box 9
1055 Guadalupe Street
Guadalupe, CA 93434
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United States Department of the Interior

Fish and Wildlife Service

Guadalupe-Nipomo Dunes National Wildlife Refuge

P.O. Box 9

Guadalupe, CA 93434

Tel: (805) 343-9151



Memorandum

Date: 27 December 2011

To: Recovery Permits Coordinator, Ventura Fish and Wildlife Office, Ventura, CA

From: Wildlife Refuge Manager, Guadalupe-Nipomo Dunes National Wildlife Refuge,
Guadalupe, CA 

Subject: Reporting California Red-legged Frogs Collected Under Authority of Recovery
Permit #FWSVFWO-19

During 2011, no California red-legged frogs were collected under authority of the above-referenced recovery permit.

The permitting assistance that you have provided to the Refuge during the past few years is most appreciated. Please do not hesitate to contact me if you have any questions.





**Judy
Hohman/VFWO/R1/FWS/DOI**

03/19/2012 01:52 PM

To: Chris Kofron/VFWO/R1/FWS/DOI@FWS

cc

bcc

Subject: Annual report for subpermit TE 034093-19



Activities conducted in 2011 under VFWO Subpermit.docx

"The frog does not drink up the pond in which he lives."

Judy Hohman
U.S. Fish and Wildlife Service
Ventura Fish and Wildlife Office
2493 Portola Road, Suite B
Ventura, CA 93003
Phone: 805-644-1766, ext. 304
Fax: 805-644-3958

Mohave tui chub:

Population surveys:

Conducting annual population censuses or surveys is a recovery task in the Recovery Plan for the Mohave Tui Chub.

Participated in interagency effort to conduct population surveys for one portion of the Mohave tui chub population at the Lark Seep Complex, China Lake Naval Air Weapons Station (NAWS), Ridgecrest, CA using mark-recapture method. About 2,300 Mohave tui chubs were trapped, measured, weighed, marked, and released at point of capture in October in the G-1 Channel portion of the Lark Seep Complex. The fish ranged in length from 60 mm to greater than 230 mm. The resulting population estimate is 1,658 Mohave tui chubs in this portion of the Lark Seep Complex, China Lake NAWS.

Participated in interagency effort to conduct population surveys for the Mohave tui chub population at the Deppe Pond and Tui Slough, Lewis Center for Educational Research, Apple Valley, CA, using mark-recapture method. Eight hundred two Mohave tui chubs were trapped, measured, weighed, marked, and released at point of capture in November. The fish ranged in length from 42 mm to 229 mm. The resulting population estimate is 1,118 Mohave tui chubs at Deppe Pond and Tui Slough, an increase from 574 fish when the population was established in 2008.

Owens tui chub:

No activity

Owens Pupfish:

No activity.

Desert Tortoise:

No activity.

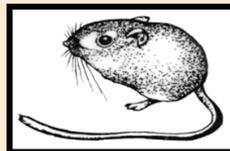
**SEARCH FOR THE ENDANGERED
MORRO BAY KANGAROO RAT
JULY 26-29, 2011**



Photo by Moose Peterson

Dipodomys heermanni morroensis

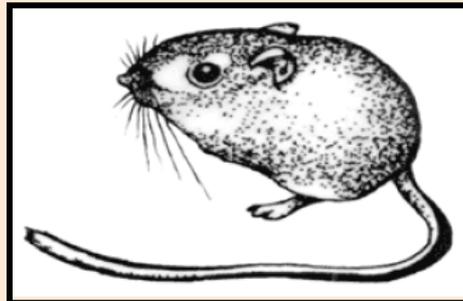
- 1968** Listed as fully protected CDFG.
- 1970** Listed as endangered USFWS.
- 1971** Listed as endangered CDFG.
- 1986** Last capture of an individual in the wild.
- 1993** Last individual in captivity died.
- 2000** “... may be extinct.” CDFG



OPTIMUM HABITAT

**Early stages of coastal dune scrub
on old, stabilized sand dunes.**

**In 2011, optimum habitat
now comprises < 1% of the geographic range.**

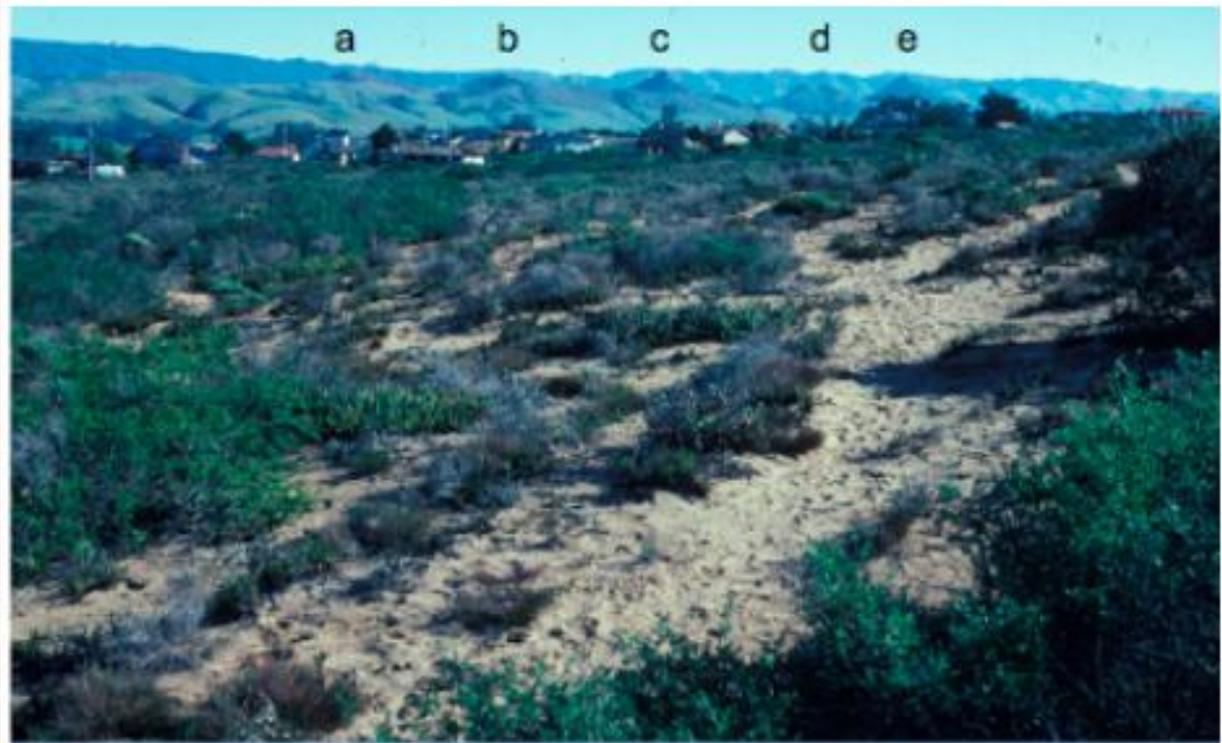


BAYVIEW

early stages of coastal dune scrub 19

low vegetation < 0.9 m height 84

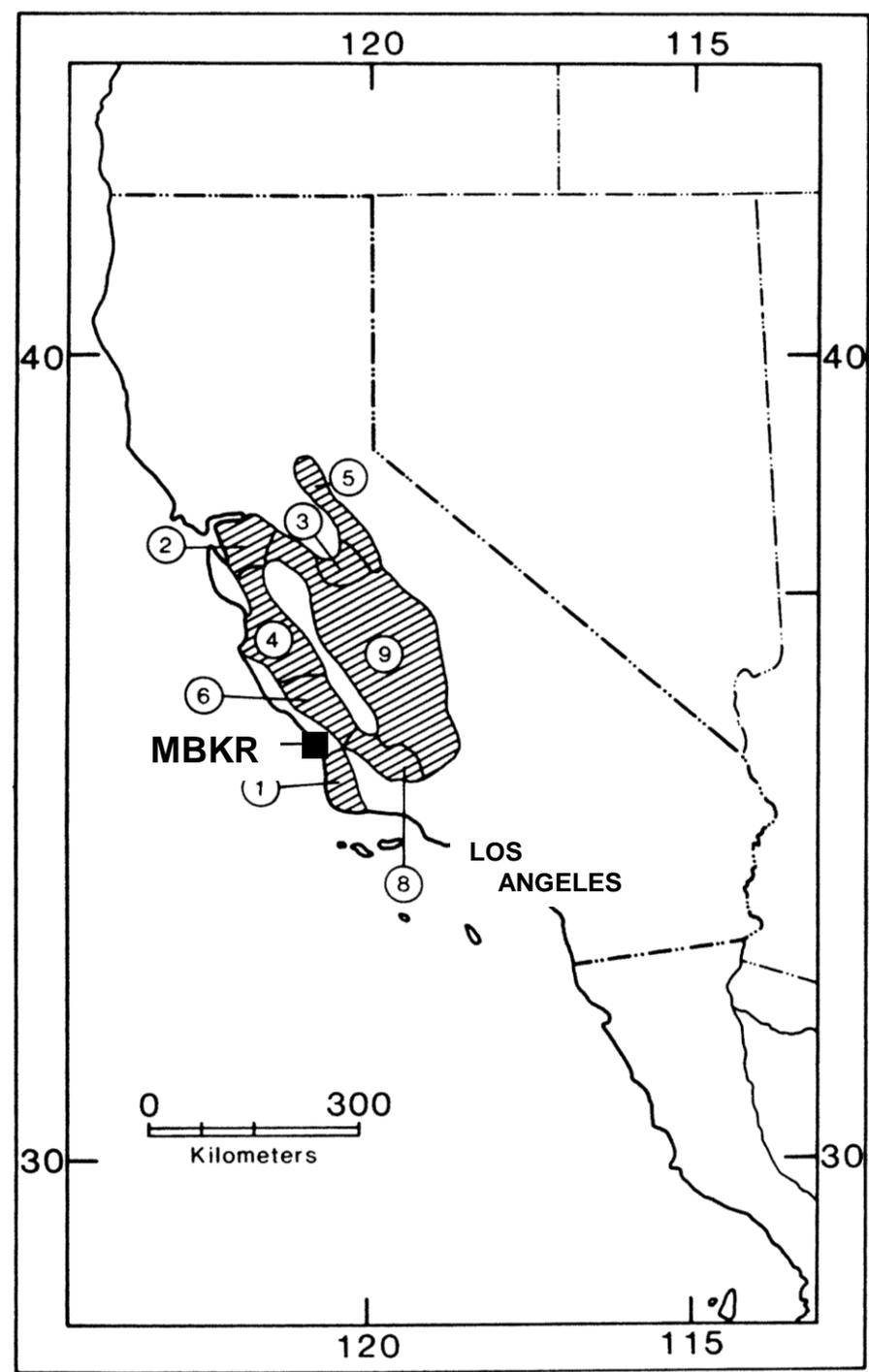
many open areas and bare ground



dense, mature vegetation 2008
up to 1.6 m height
few open areas



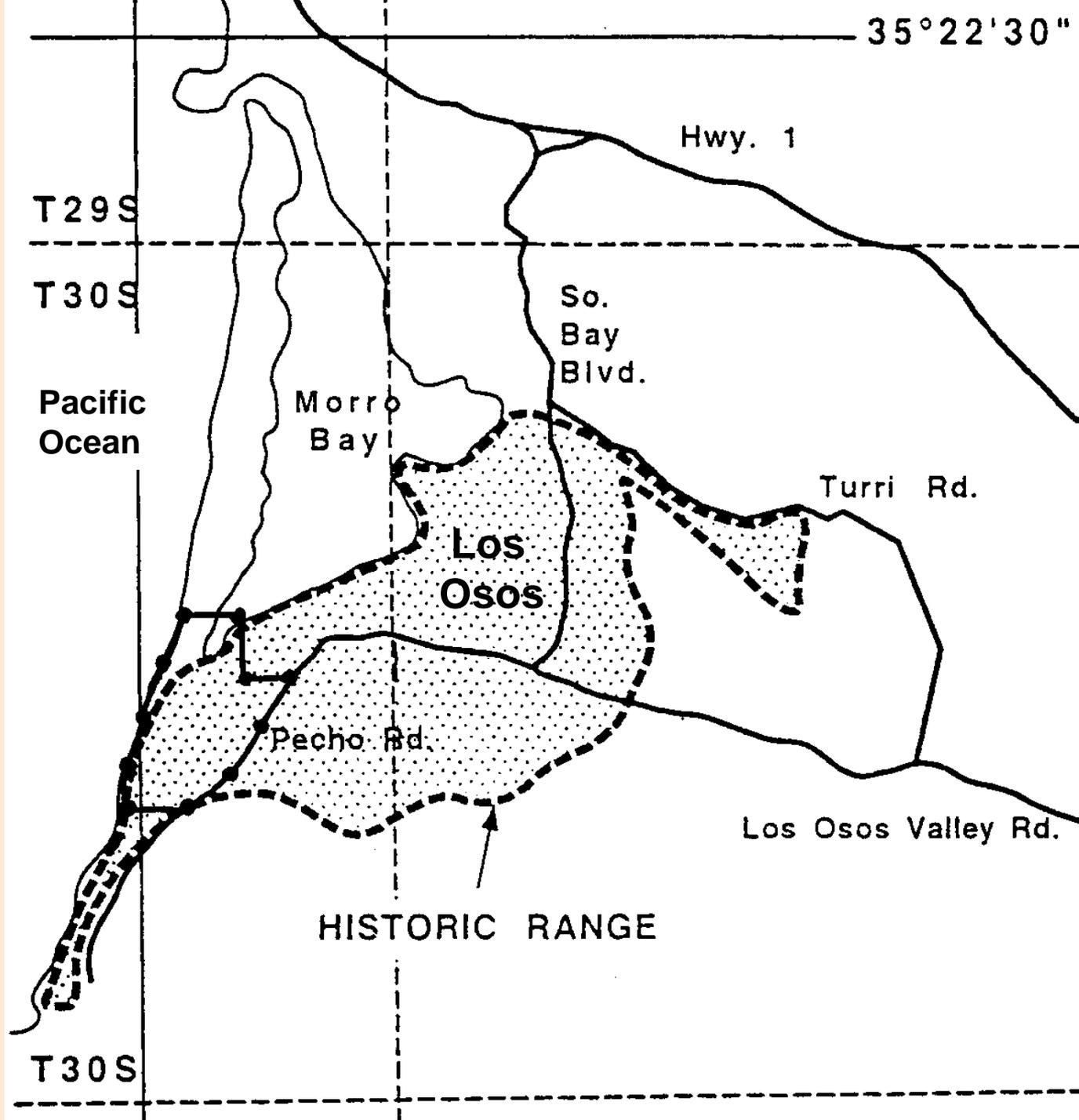
**Endemic to vicinity of
Los Osos,
San Luis Obispo County,
California.**



**HISTORICAL
DISTRIBUTION**

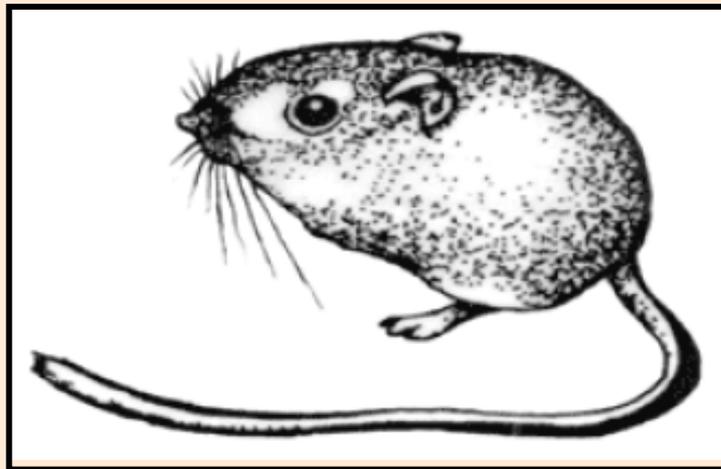
**12.4 km² of
sandy soil**

**S and SE of
Morro Bay**



2008-2011 Searching for MBKR by visual surveys and trapping.

**California Polytechnic State University
California State Parks
USFWS**



Morro Bay Kangaroo Rat
(Dipodomys heermanni morroensis)

**5-Year Review:
Summary and Evaluation**

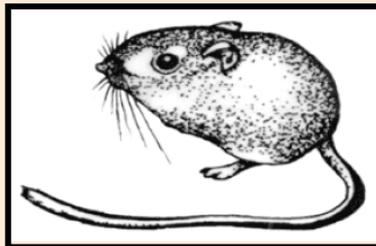


**U.S. Fish and Wildlife Service
Ventura Fish and Wildlife Office
Ventura, California**

May 26, 2011

VI. RECOMMENDATIONS FOR ACTIONS OVER THE NEXT 5 YEARS

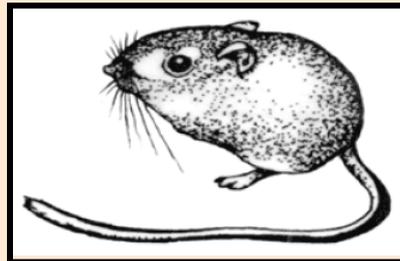
- 1. We recommend that searches ... continue on State lands, in particular at Hazard, Pecho, Junior High/Santa Ysabel, and Bayview. However, rather than using the traditional transect method ..., we now recommend that grid trapping and/or saturation trapping be used where potential signs are observed.**



Trapped July 26-29, 2011

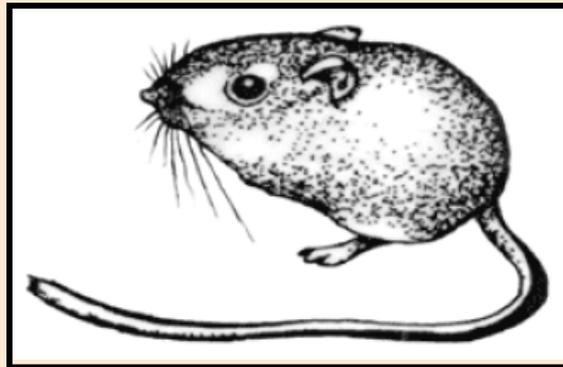
PURPOSE

- 1. To trap at sites where potential signs have been observed repetitively or abundantly over the past three years.**
- 2. To trap using methods different from those previously used (transects, oatmeal).**

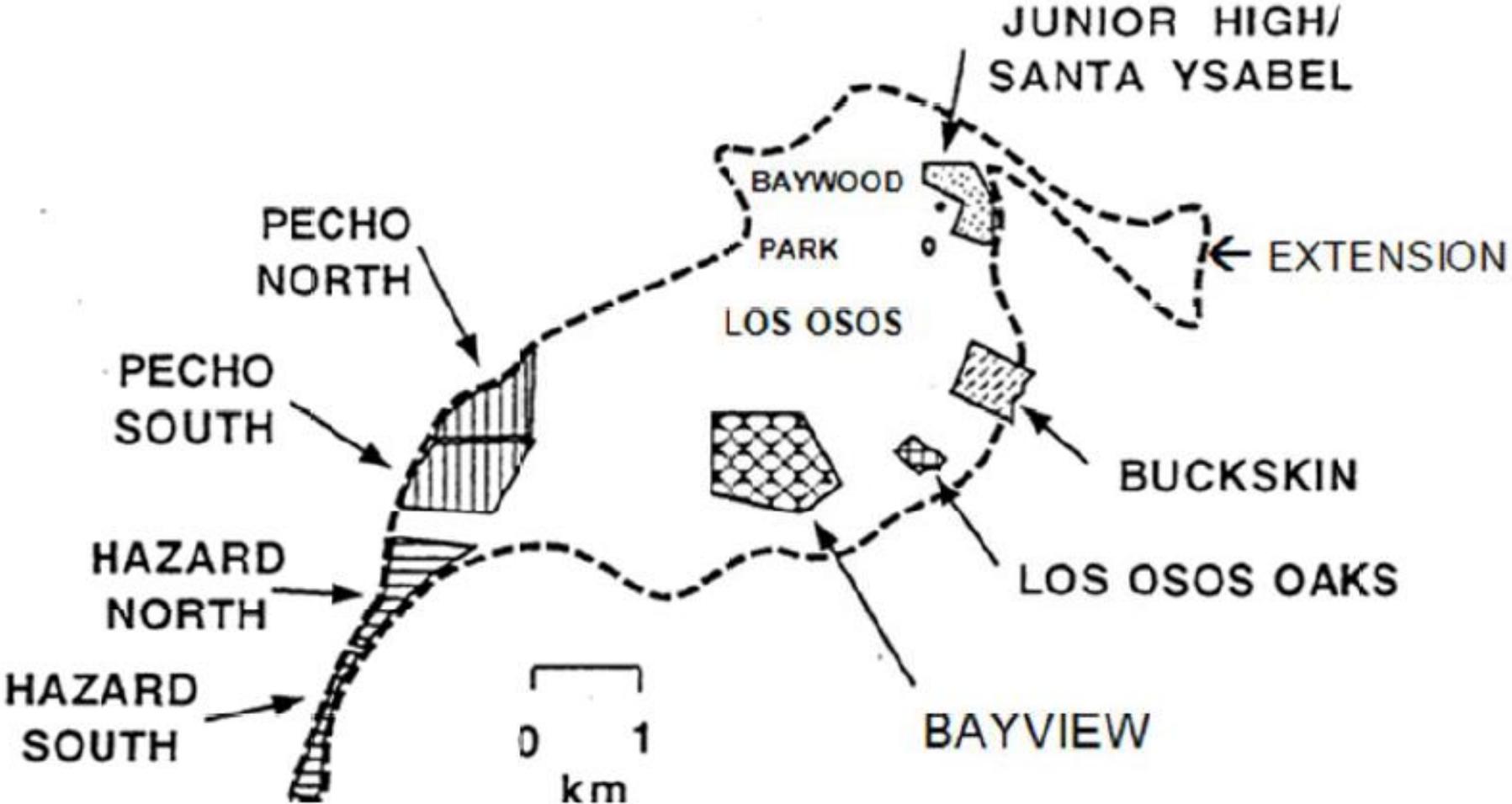


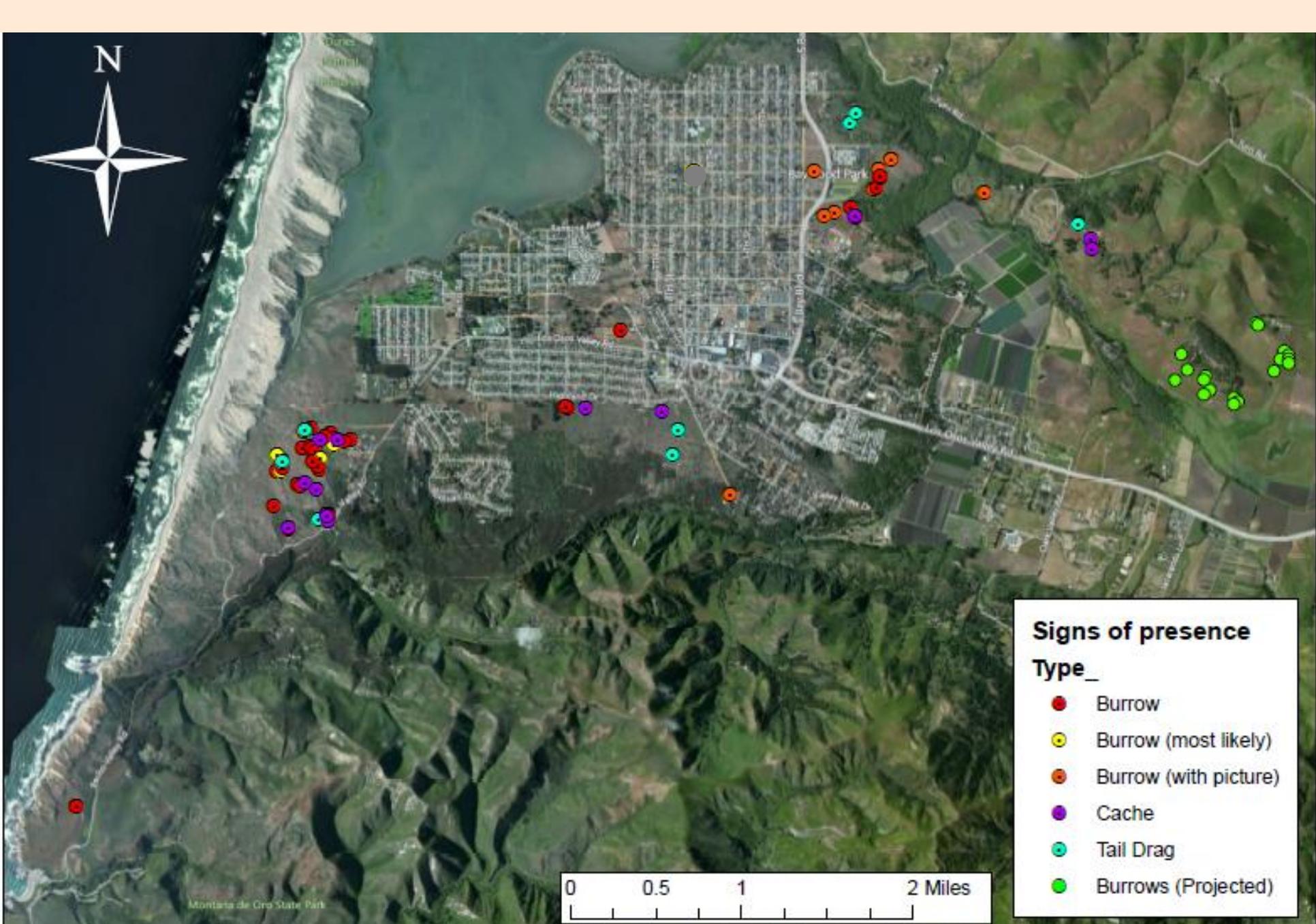
METHODS

1. Mapped all potential signs observed from 2008 to 2011.
2. Trapped at two “best sites” – Pecho South + Junior High.
3. Set traps in grids; spot trapping, saturation trapping.
4. Bait – oatmeal and peanut butter.



Historical areas for the Morro Bay kangaroo rat





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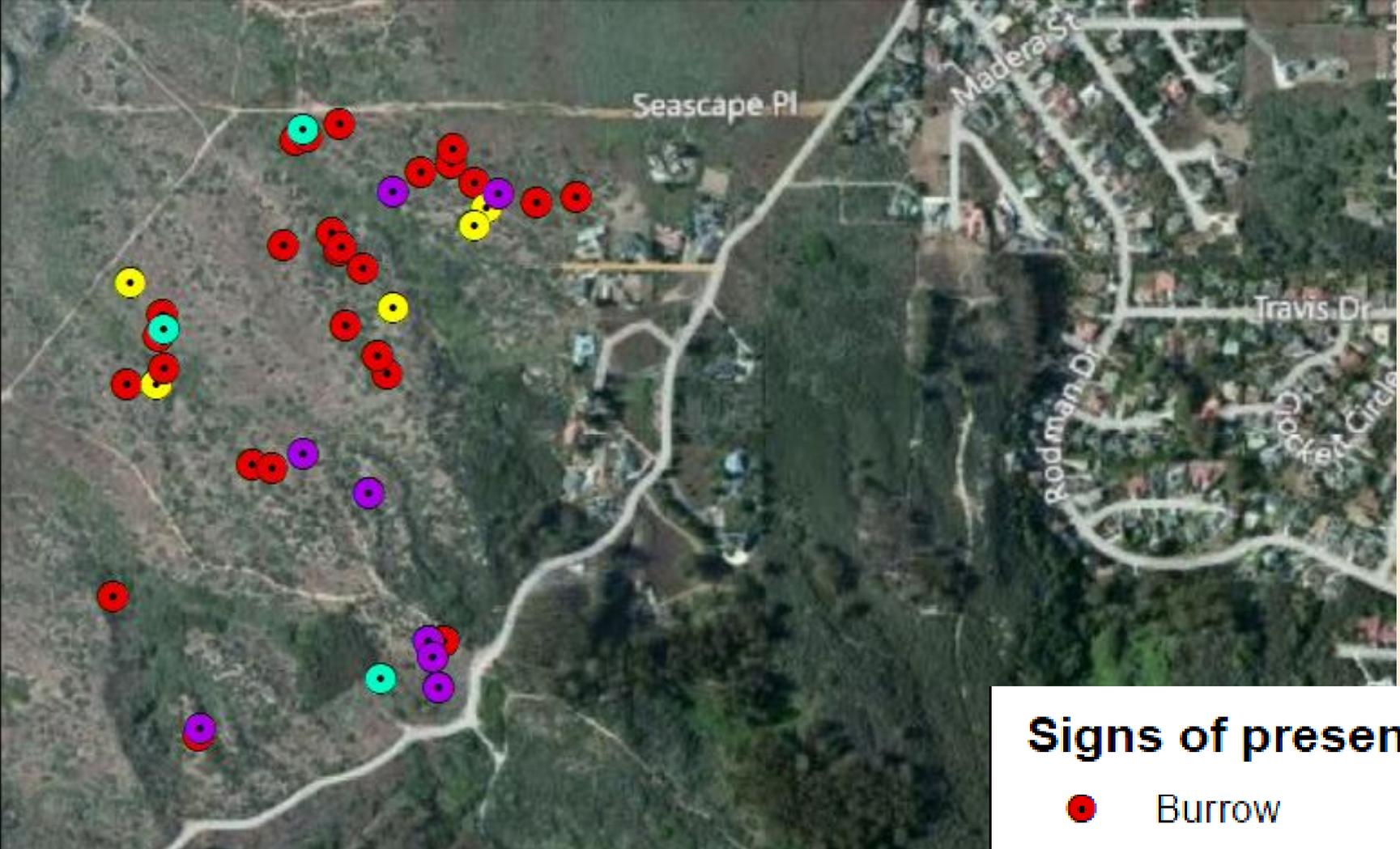


0 0.5 1 2 Miles

Signs of presence
Type_

- Burrow
- Burrow (most likely)
- Burrow (with picture)
- Cache
- Tail Drag
- Burrows (Projected)

Montana de Oro State Park

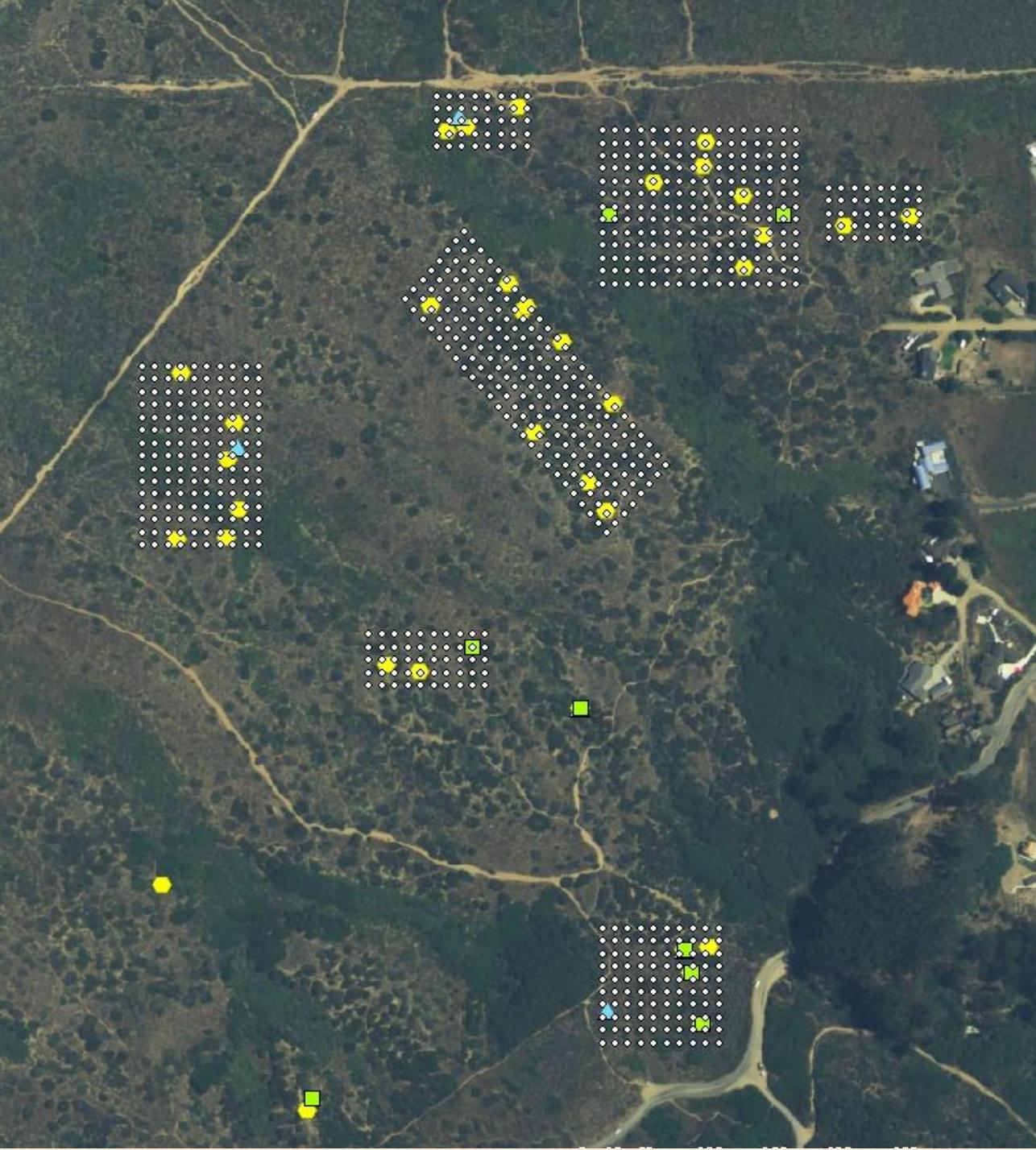


PECHO SOUTH

CDFG Morro Dunes Ecological Reserve
Montaña de Oro State Park

Signs of presence

-  Burrow
-  Burrow (most likely)
-  Burrow (with picture)
-  Cache
-  Tail Drag



Pecho South

Trapping Grids



Signs of presence

-  Burrow
-  Burrow (most likely)
-  Burrow (with picture)
-  Cache
-  Tail Drag

JUNIOR HIGH

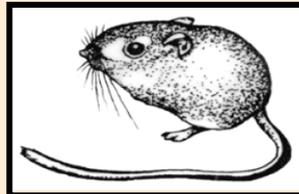
Morro Bay State Park

1475 traps: 12-inch folding Sherman

University of California Berkeley Extension
California Polytechnic State University
Santa Monica Mountains National Recreation Area
Carlsbad Fish and Wildlife Office
Naval Base Ventura County
Camp Roberts
Hopper Mountain National Wildlife Refuge
University of California Santa Barbara
California State Parks
Ventura Fish and Wildlife Office.

Traps sterilized prior to use.

Seven trappers: 2 California State Parks, 5 USFWS.



NIWLTITTT

U.S. FISH AND WILDLIFE SERVICE

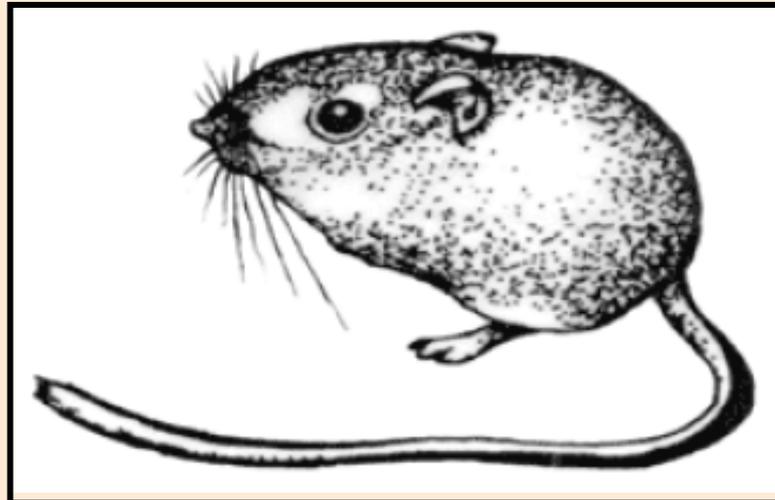
Douglass Cooper

Julie Vanderwier

Chris Diel

Danielle Dillard

Chris Kofron









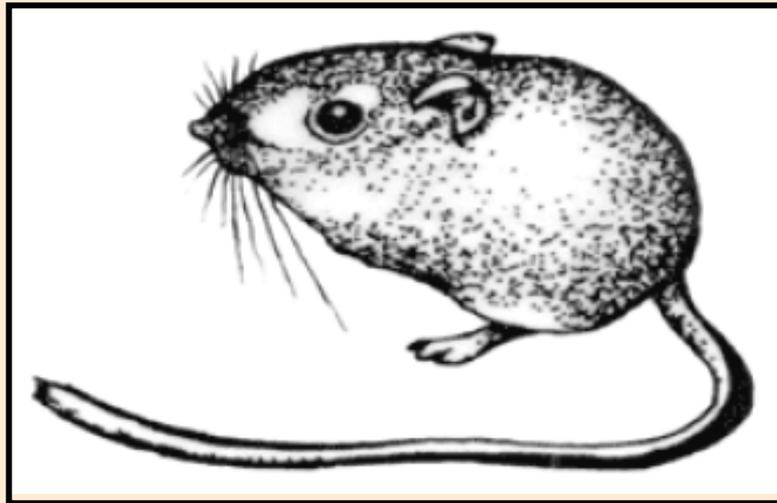




CALIFORNIA STATE PARKS

Michael Walgren

Lisa Andreano

















RESULTS

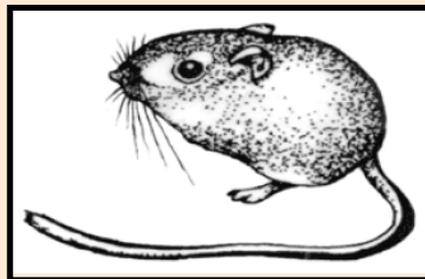


July 26-29, 2011

Trapped Pecho South	1409 trap nights
Trapped at Junior High	<u>259 trap nights</u>
TOTAL	1668 trap nights



No Morro Bay kangaroo rats.





Deer Mouse
Peromyscus maniculatus



Brush Mouse
Peromyscus boylii



California Mouse
Peromyscus californicus



California Pocket Mouse
Chaetodipus californicus

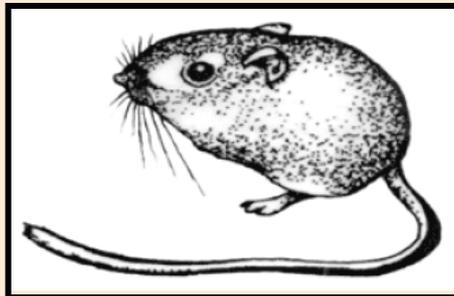


Dusky-footed Wood Rat
Neotoma fuscipes

We captured no Morro Bay kangaroo rats at the two sites.

SEVERAL POSSIBLE CONCLUSIONS

- 1. MBKR no longer exist at the two sites.**
- 2. MBKR are present but at a density that is too low to be detected by trapping.**
- 3. MBKR are present but trap-shy.**

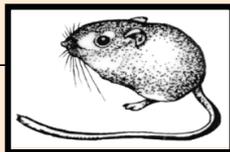


WHAT NEXT ?

VI. RECOMMENDATIONS FOR ACTIONS OVER THE NEXT 5 YEARS

1. Also, we recommend that (a) bait stations with cameras, (b) cameras at potential burrows, and (c) sniffer dogs be used ... These methods may be more effective at detecting a species possibly persisting ... at low density.

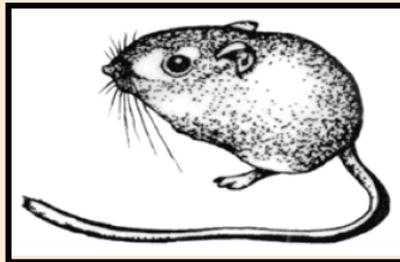
California Polytechnic State University (Francis Villablanca), California State Parks and CDFG are interested in pursuing these. USFWS should support these efforts.



VI. RECOMMENDATIONS FOR ACTIONS OVER THE NEXT 5 YEARS

2. Restoring the ... mature habitat to an early stage may attract Morro Bay kangaroo rats from any nearby persisting colonies. Therefore, we recommend that habitat restoration be conducted on State lands. In particular, prescribed burns ... should be conducted ... at Pecho South ... and Junior High/Santa Ysabel.

California State Parks would like to conduct a prescribed burn at the Junior High site. USFWS should support this effort.



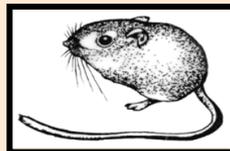
VI. RECOMMENDATIONS FOR ACTIONS OVER THE NEXT 5 YEARS

3. We recommend that efforts continue for gaining permission to conduct surveys on the following [four] private properties: the main Buckskin property

Morro Bay kangaroo rats were last captured on the main Buckskin property in 1985

The current status of the species on these four properties cannot be determined until surveys are conducted.

USFWS will continue trying to gain access to these four private properties.



ACKNOWLEDGEMENTS

California Polytechnic State University

Francis Villablanca

Mike Stiles

California State Parks

Vince Cicero

Ventura Fish and Wildlife Office

Roger Root

Carl Benz

Jenna Castle

Lena Chang

Yolanda Ledesma

Ray Bransfield

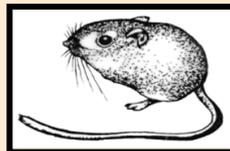




Photo by Moose Peterson