

MULTIPLE SPECIES CONSERVATION PROGRAM (MSCP) ANNUAL REPORT WORKSHOP: 2010 YEAR IN REVIEW

Balboa Park Ballroom: 2150 Pan American Rd W. San Diego, CA 92101

Wednesday, June 29, 2011

9:00am – Noon

AGENDA

9:00 am POSTER SESSION

9:30 am WELCOME/OVERVIEW/INTRODUCTIONS, *Trish Boaz, County of San Diego*

9:35 am SPECIAL ACKNOWLEDGEMENT, *LeAnn Carmichael, County of San Diego*

9:40 am JURISDICTIONAL REPORTS

- ★ **County of San Diego, *Bobbie Stephenson and Megan Hamilton***
Update on the North and East County MSCP; Update on the Quino Amendment; Preserve Management and Monitoring; and Acquisition and Land Management Partnerships
- ★ **City of Chula Vista, *Marisa Lundstedt***
Otay Ranch Preserve Management and Monitoring
- ★ **City of San Diego, *Craig Hooker and Gina Washington***
Preserve Management and Monitoring; Vernal Pool Habitat Conservation Plan; and Del Mar Mesa Preserve Vernal Pool Management

10:05 am RESOURCE AGENCIES REPORTS

- ★ **U.S. Fish and Wildlife Service/National Wildlife Refuge, *Jill Terp, John Martin and Patricia Gordon-Reedy***
Restoration and Monitoring Updates and South County Land Managers/Grasslands Species Project
- ★ **CA Department of Fish and Game, *David Mayer and Karen Miner***
Land Management Highlights

10:25 am BREAK

10:40 am U.S. GEOLOGICAL SURVEY, *Carlton Rochester*

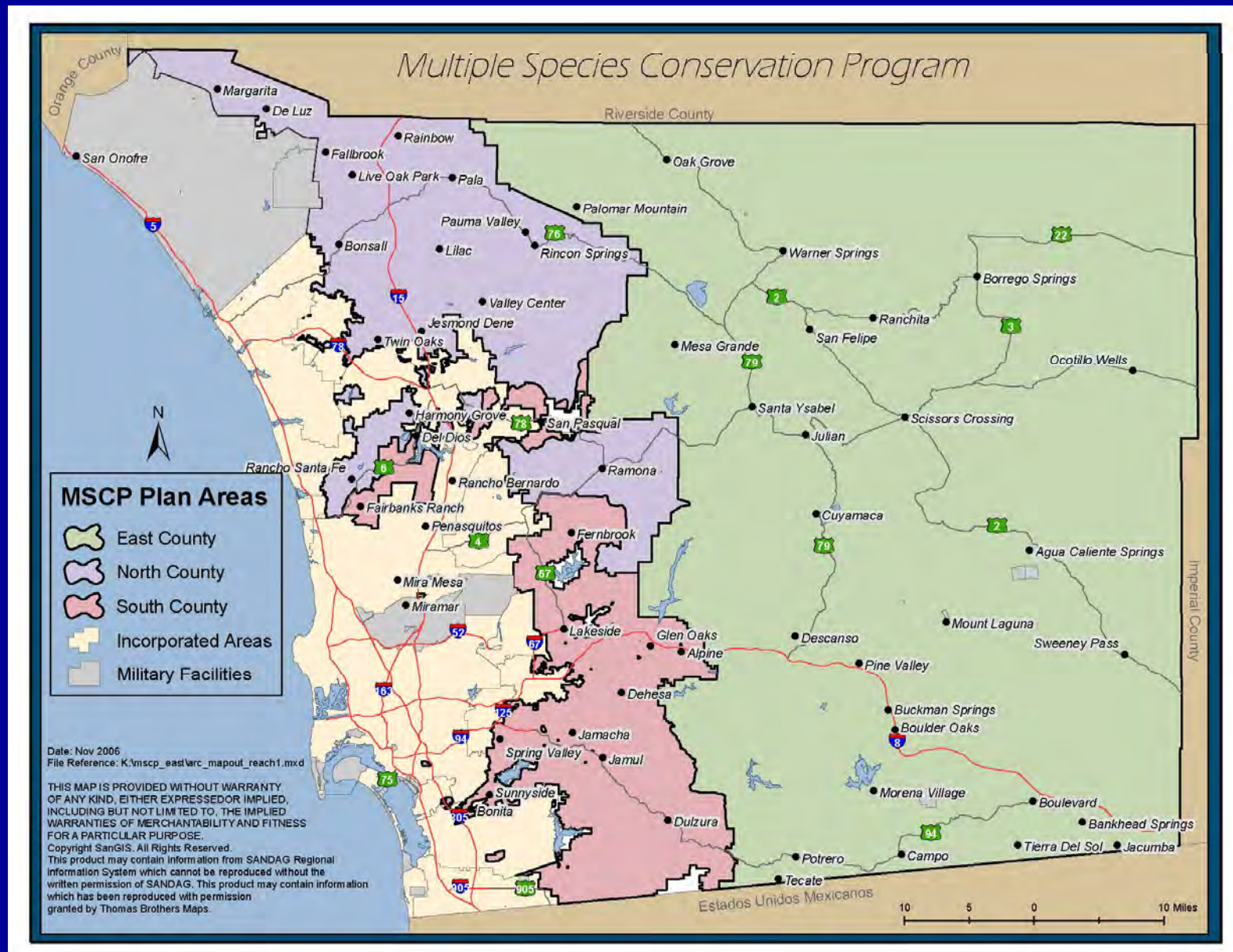
- ★ Post-fire Research

10:55 am SAN DIEGO ASSOCIATION OF GOVERNMENTS, *Keith Greer, Rick Turvey and Mike Ference*

- ★ TransNet Environmental Mitigation Program; Open Space Enforcement Pilot Program; Funding for Land Management and Regional Monitoring; Vegetation Classification for Western San Diego County; San Diego Centralized Database; and San Diego Management and Monitoring Program (Management Strategic Plan and the Institute for Ecological Modeling and Management at SDSU)

11:30 am QUESTIONS

County of San Diego Multiple Species Conservation Program





Multiple Species Conservation Program



Burrowing Owl Strategy



[http://www.sdcountry.ca.gov/dplu/
docs/Biological_Report_Format.pdf](http://www.sdcountry.ca.gov/dplu/docs/Biological_Report_Format.pdf)



Multiple Species Conservation Program



Quino Amendment to the South County Subarea Plan

- Funding
- EIR/EA



Public Review - Spring 2012



Multiple Species Conservation Program



North County Plan

- Conservation Analysis
- EIS/EIR



Mid 2012



Multiple Species Conservation Program



County MSCP:

www.mscp-sandiego.org

Bobbie Stephenson (858) 694-3680

LeAnn Carmichael (858) 694-3739

County of San Diego Department of Parks and Recreation

MSCP Annual Workshop
June 29, 2011



MSCP Implementation

- Resource Management Plans

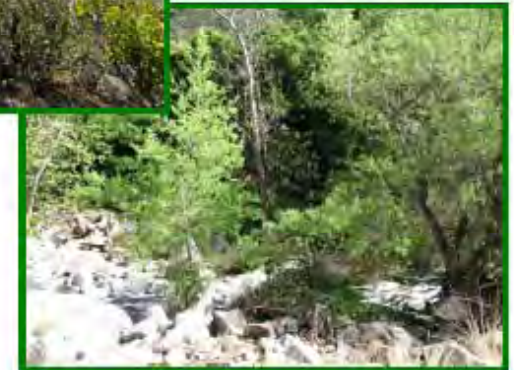
Draft Resource Management Plan for Lawrence and Barbara Daley Preserve San Diego County



May 2011



Resource Management Plan for Escondido Creek Preserve San Diego County



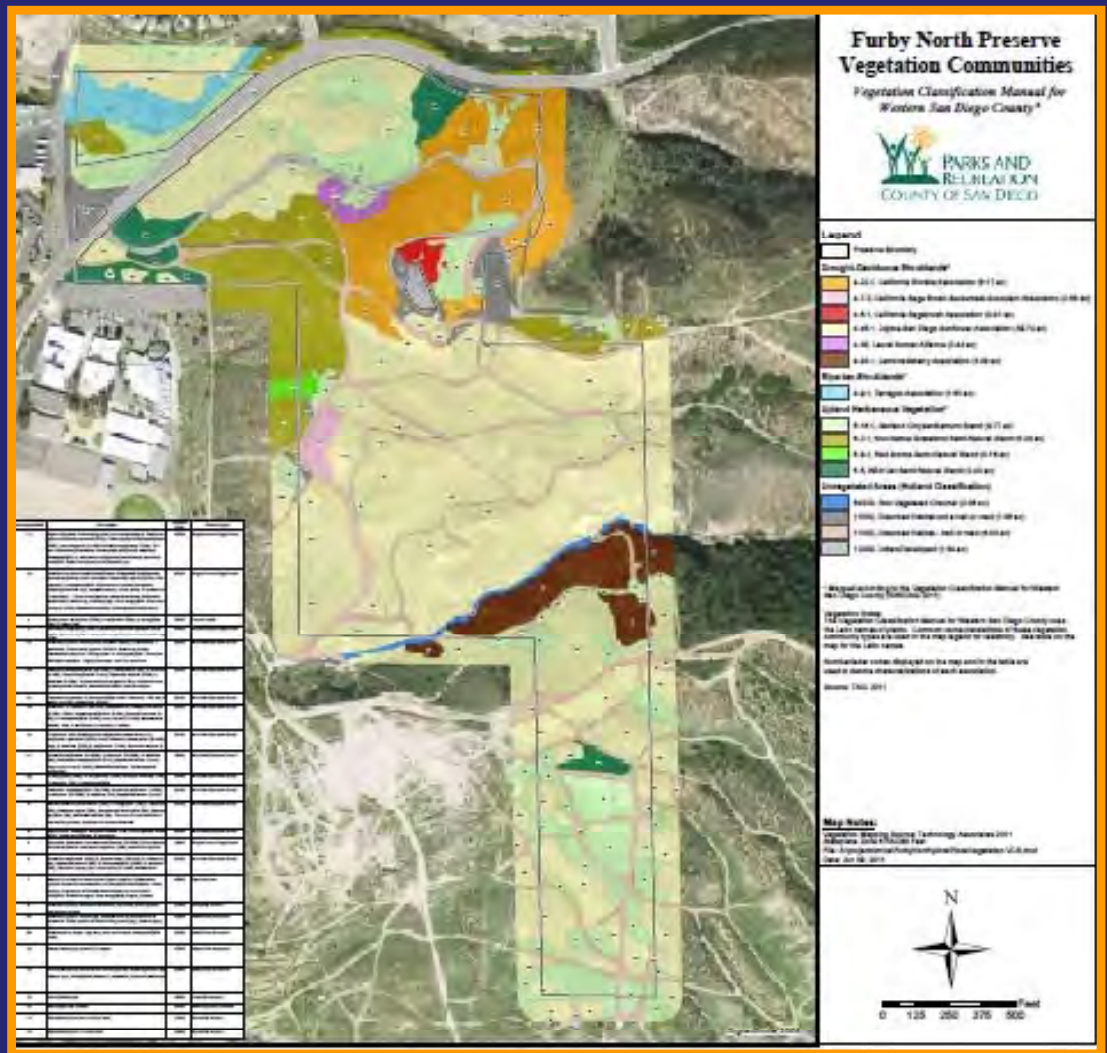
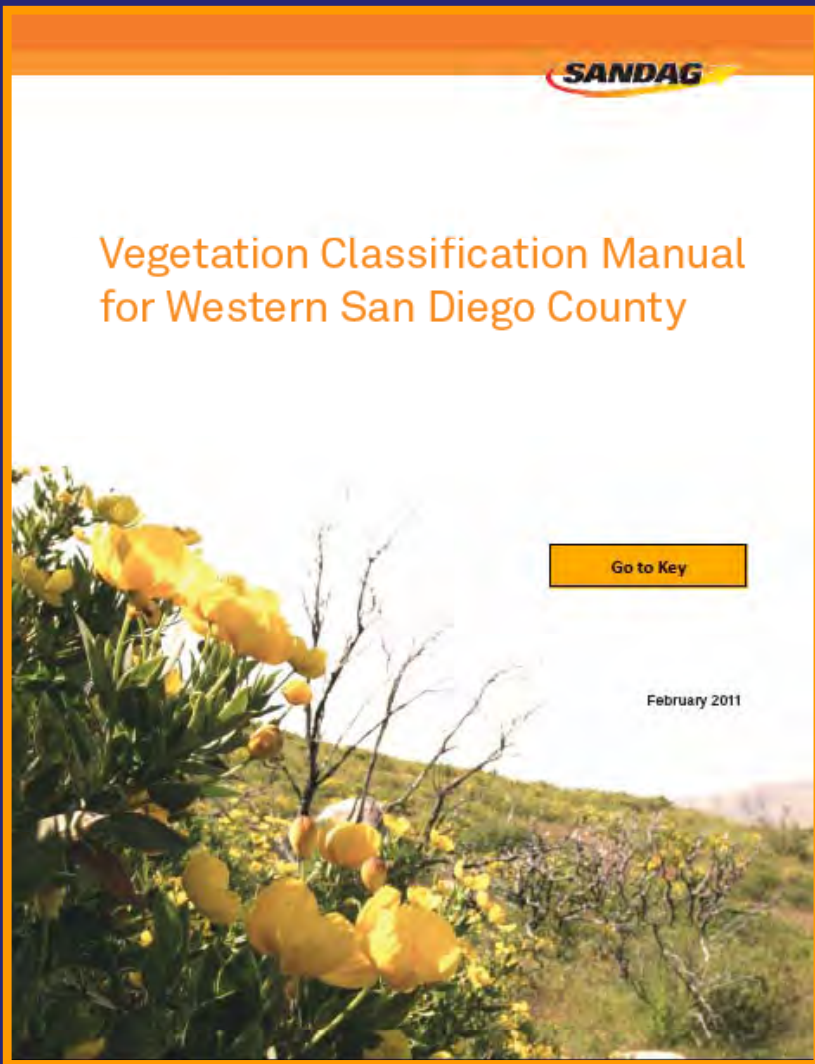
June 2011



Baseline Surveys

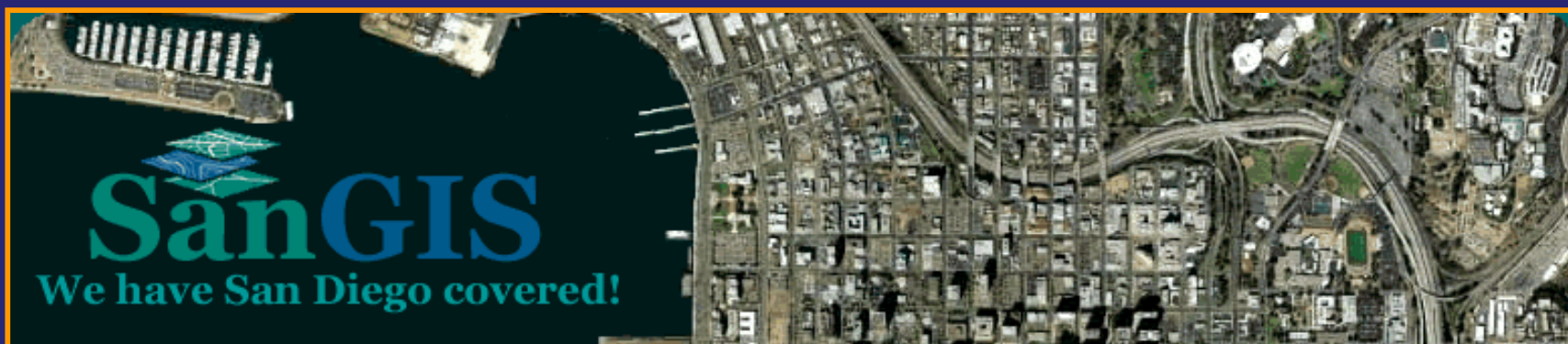
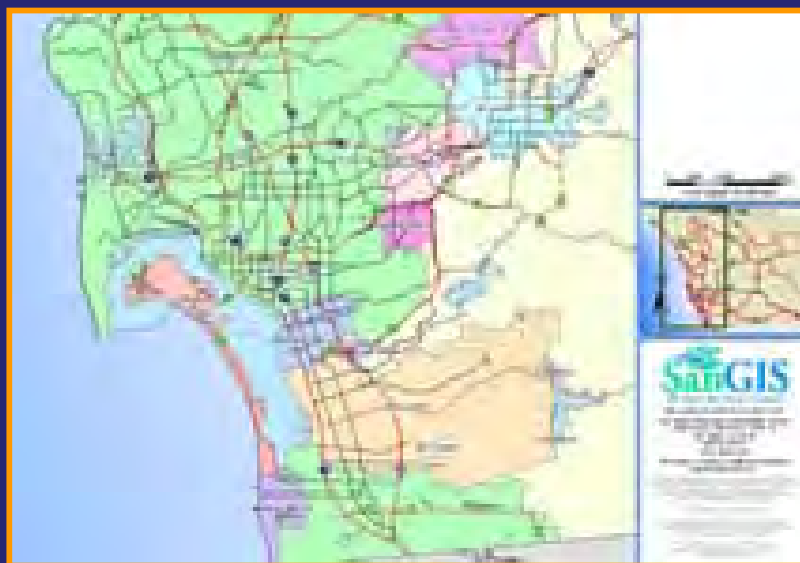


DATA



DATA

GIS and Mapping Services



Stewardship



Restoration Partnerships

River Partners

- Post-fire non-native removal (Phase I)
- Restoration (Phase II)



Lawrence and Barbara Daley Preserve

SANDAG

- Wetland Mitigation Solutions



Tijuana River Valley Regional Park

Acquisitions in South County MSCP

- Sycamore Canyon Preserve
- Del Dios Highlands





MSCP ANNUAL REPORT WORKSHOP

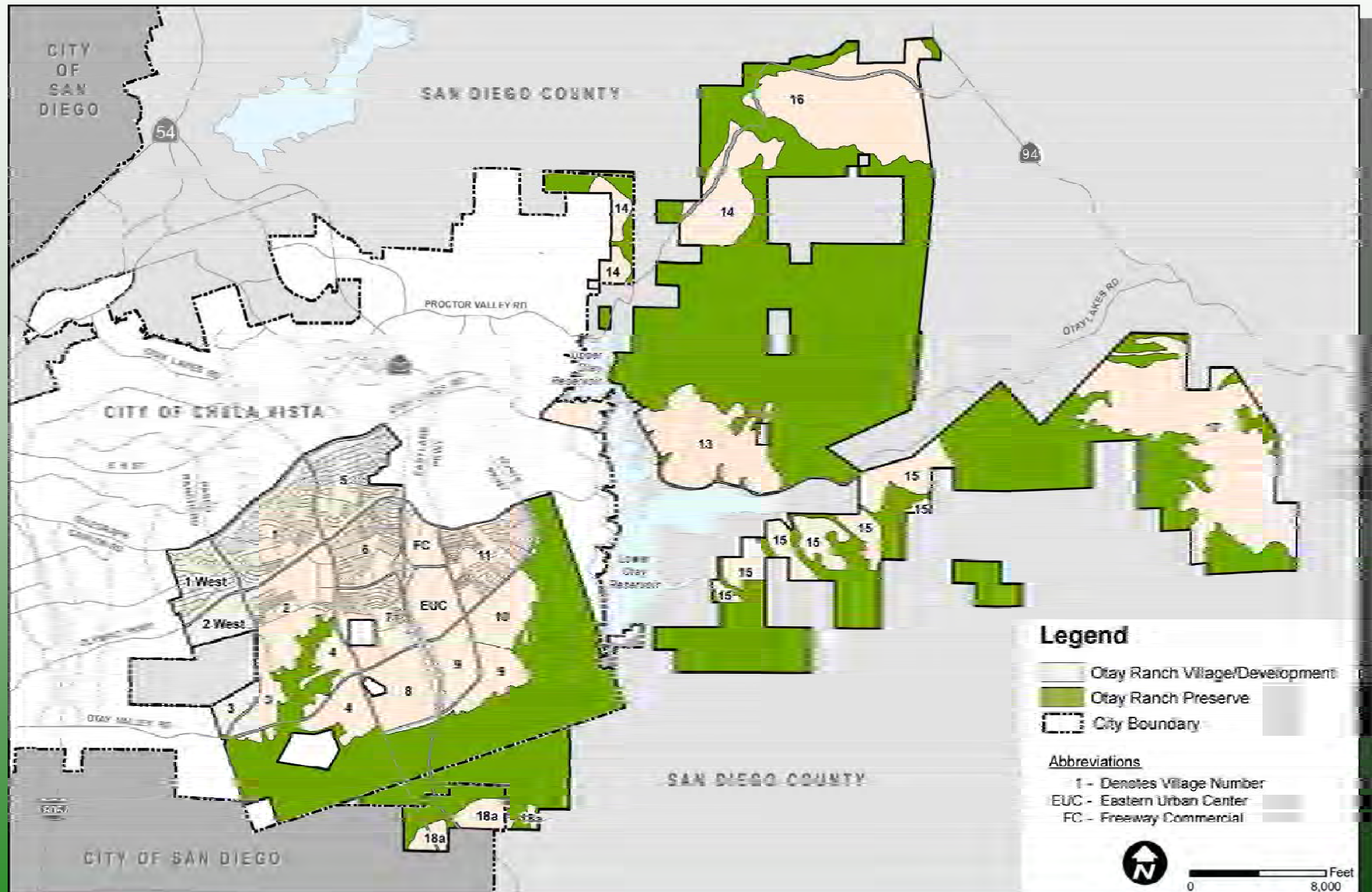
July 29, 2011



City of Chula Vista
Otay Ranch Preserve



Otay Ranch Preserve



Otay Ranch Preserve



11,375 acre Preserve

~2,600 acres within Chula Vista

~8,700 acres within County of San Diego

Biological Resources include:

- Maritime Succulent Scrub
- Quino Checkerspot Butterfly
- Otay Tarplant
- Tecate Cypress Forest
- Variegated Dudleya
- San Diego Thornmint
- Snake Cholla



Otay Ranch Preserve



Long-term Management Responsibilities

City of Chula Vista and County of San Diego serve as the Preserve Owner/Manager (POM)

Otay Ranch Resource Management Plan (RMP) serves as the Framework Management Plan for the Otay Ranch Preserve

Long-term funding provided through a Community Facilities District (CFD)



Otay Ranch Preserve



Long-term Management Funding

A Community Facilities District (CFD) generates funding by levying an annual “special tax” which is collected from the property owners within Otay Ranch.

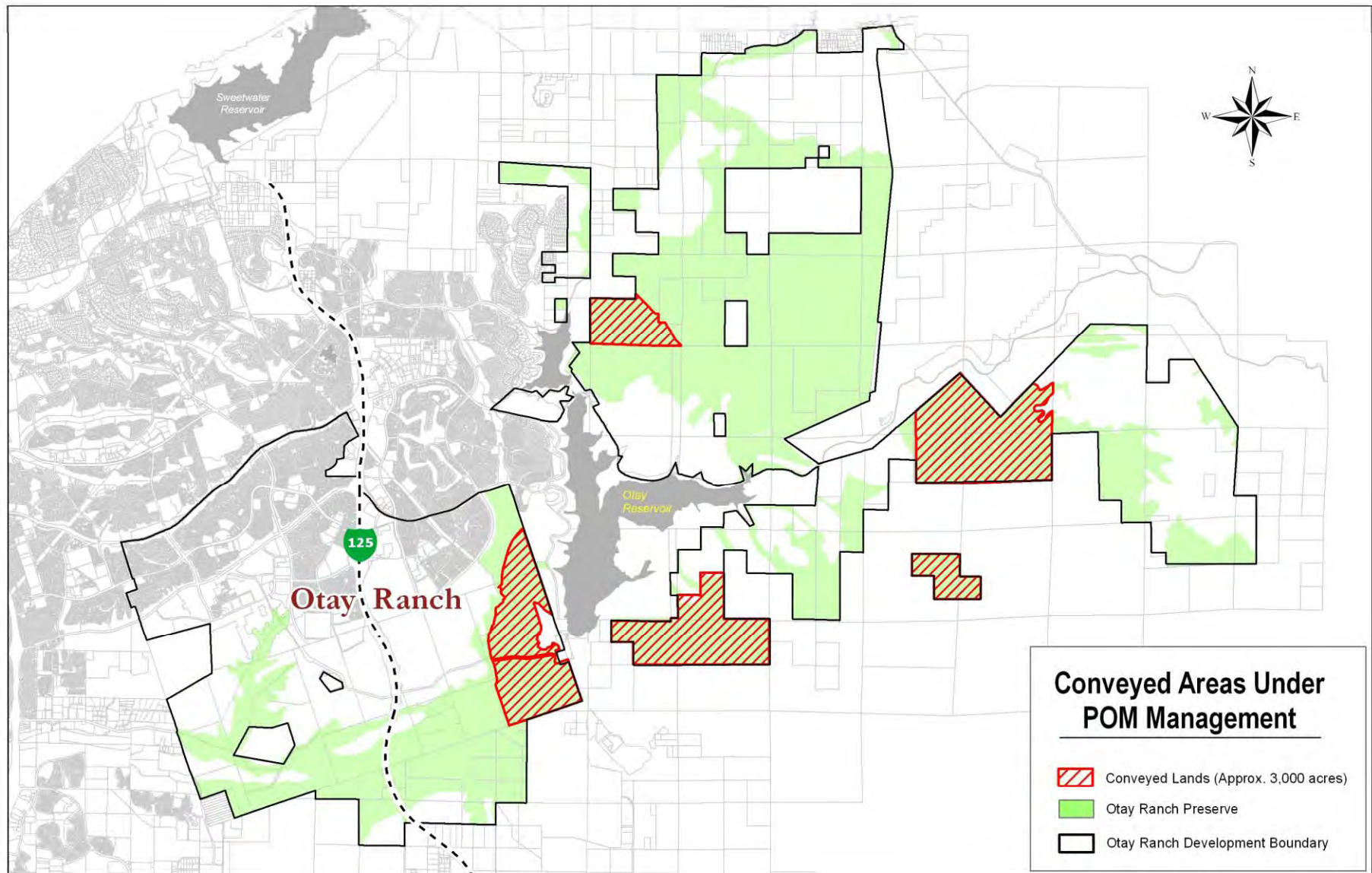
CFD funds are to be used for:

- Maintenance activities including removal of trash and control of exotic species
- Security and enforcement of “no trespassing”
- Preserve improvements and repairs/replacement of fencing
- Biota monitoring



The City was the first jurisdiction in the region to utilize a CFD to secure funding for long-term habitat maintenance and monitoring.

Otay Ranch Preserve



Otay Ranch Preserve



2010 Management and Monitoring Activities

- Focused Surveys for Sensitive Species
- QCB Habitat Threats Assessment
- Establishment of Permanent Photo Points
- General Avian Point Count Surveys
- Exotic Species Prioritization
- General Habitat Management Activities



Otay Ranch Preserve



2010 Management and Monitoring Activities (cont.)

Focused Surveys

- Coastal California Gnatcatcher
 - 9 Pair w/Juveniles
 - 6 Pair
 - 4 Territorial males
- Coastal Cactus Wren
 - 4 Pairs
 - 2 Individuals
 - 36 Nests



Otay Ranch Preserve



2010 Management and Monitoring Activities (cont.)

Focused Rare Plant Surveys

Additional and/or previously undocumented populations of:

- Variegated Dudleya
- Snake Cholla
- Tecate Cypress
- Gander Pitcher Sage
- Dunn's Mariposa Lily
- San Diego Goldenstar



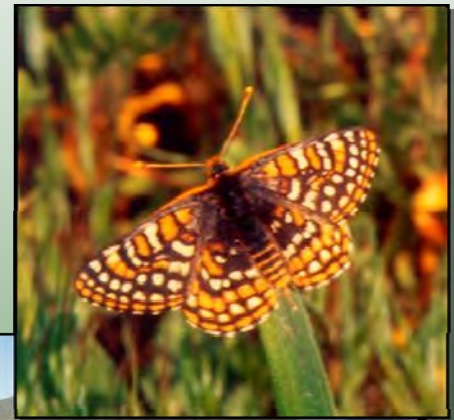
Otay Ranch Preserve



2010 Management and Monitoring Activities (cont.)

QCB Habitat Threats Assessment

- Revisit 2009 Observation Locations
- Identify Potential Threats
- Develop Adaptive Management Strategies



Otay Ranch Preserve



2010 Management and Monitoring Activities (cont.)

Annual Avian Point Count Survey Results

Approximately 40 different bird species detected including:

- California Gnatcatcher
- Least Bell's Vireo
- Coastal Cactus Wren
- Yellow Warbler
- Grasshopper Sparrow
- California Rufous-crowned Sparrow



Otay Ranch Preserve



2010 Management and Monitoring Activities (cont.)

Exotic Species Prioritization & Control: Stinkwort

- New infestation within Otay Ranch
 - Early Detection/Rapid Response
- Feasibility of successful control
 - Implement treatment while populations are small
 - Success does not rely on the control of adjoining properties
- California Invasive Plant Council (Cal-IPC)
 - Moderate / High rating



Otay Ranch Preserve



2010 Management and Monitoring Activities (cont.)

General Habitat Management Activities

- Routine Site Visits
- Exotic Species Control
- Access Control / Fence Repair
- Litter Removal

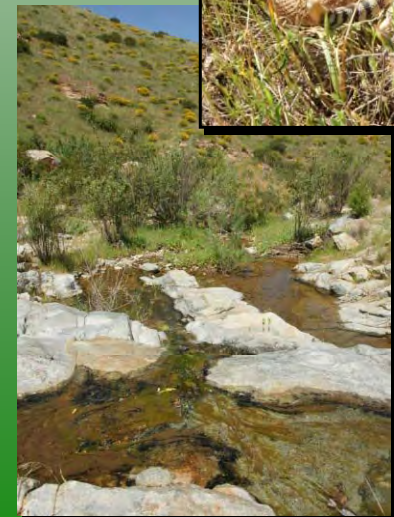


Otay Ranch Preserve



On-going and Future Tasks

- Baseline surveys for approximately 1,600 acres of newly conveyed lands
- Focused Surveys for Least Bell's vireo
- Implement Brown Headed Cowbird Trapping Program
- Focused Surveys for Thorne's hairstreak butterfly
- Exotic Species Control
- Access control



A photograph of a dense field of yellow wildflowers, possibly a species of Mimulus, with thin green stems and small, bright yellow blossoms. The background is slightly blurred, showing more of the same field. The text "Thank You..." is overlaid in the center in a bold, black, sans-serif font.

Thank You...

2011 MSCP Annual Workshop City of San Diego

June 29, 2011





Vernal Pool Habitat Conservation Plan (HCP)

- HCP Update
 - First Public Workshop
 - Vernal Pool preserve boundary and geodatabase in process
 - Consultant under hire to SANDAG

Vernal Pool Habitat Conservation Plan (HCP)

- HCP Next Steps
 - Public Workshop
 - Draft Plan and Environmental Document Review
 - www.sandiego.gov/planning/mscp/

Monitoring and Management

- Monitoring
 - 54 rare plant populations (17 species) monitored
- Major Management Actions
 - Invasive grass treatment at 12 acres of Kumeyaay Lakes *Ambrosia pumilla* site based on pilot studies by M. Kelly and Center for Natural Lands Management
 - Comprehensive trail mapping project, on-going encampment noticing and removal, and development of draft restoration plan for Mission Valley Preserve



Monitoring and Management

- Management Plans
 - Carmel Mountain/Del Mar Mesa Natural Resource Management Plan – receiving votes from affected CACs and community planning groups
 - Black Mountain Open Space Natural Resource Management Plan – receiving votes from affected CACs and community planning groups
 - Mission Trails Regional Park Natural Resource Management Plan – species survey complete, in public comment/workshop period



VP Restoration Projects

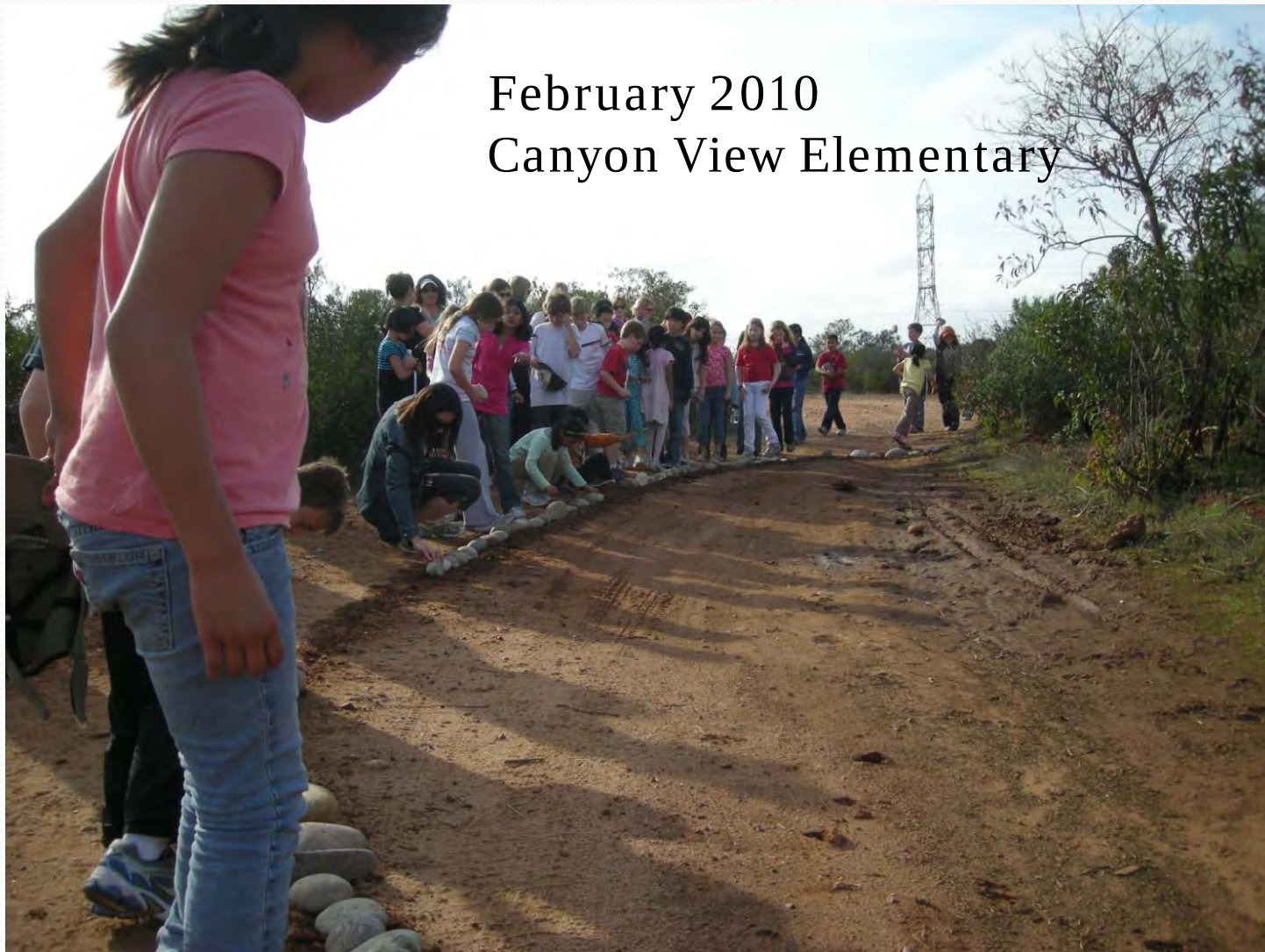
GOALS

- Protect dry pools
- Protect full pools
- Re-vegetate

RESTRAINTS

- SDG&E and Emergency access road
- Only approved community trail

February 2010
Canyon View Elementary



June 2011







MSCP Annual Report Workshop

U.S. Fish and Wildlife Service

San Diego National Wildlife Refuge Complex

June 29, 2011



San Diego NWR Vernal Pool Restoration

- 30-acre restoration begun spring 2007
- Transnet grant funds continued restoration
- Native plants emerging and soil crusts developing
- 30 pools created in 2009 (for 63 total)
- Native planting in November 2010-March 2011
- SD Fairy Shrimp distribution increasing – now in 25 pools (24 created; 1 natural)
- Also supports Otay tarplant, California gnatcatcher, burrowing owl, San Diego barrel cactus

Planting at Shinohara vernal pool site

3,800 shrubs

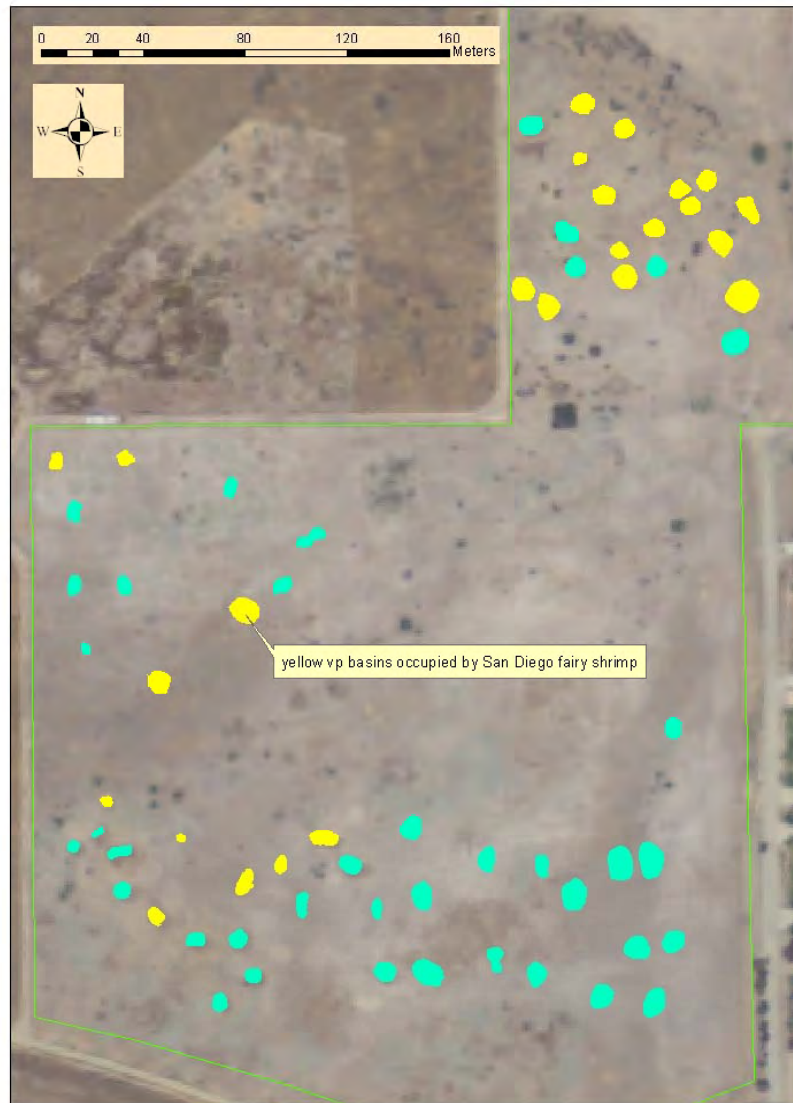
25,000 grass plugs



Listed species at Shinohara VP restoration site



Shinohara VP restoration project



San Diego
fairy shrimp
in 25 of 64 pools

Cactus Wren habitat restoration



- Coordination with Working Group began in 2008
- Transnet grant for habitat enhancement on 139 acres (50 ha)
- November 2008: Salvaged cactus from Bayshore Bikeway on San Diego Bay NWR
- 6,000 cholla cuttings planted January 2009 well-established, 10-50 cm tall
- Contractor grew 6,000 more cuttings
- Transplanted to field in early 2011.
- Looking for additional salvage opportunities

Cactus Wren habitat restoration

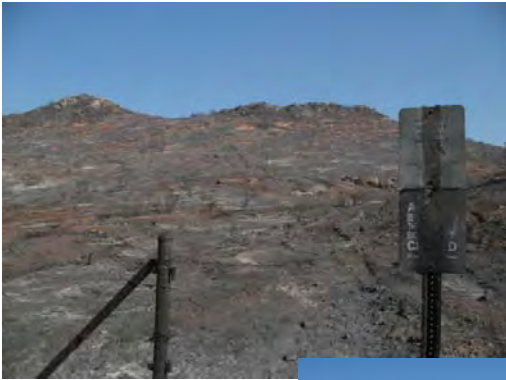
Planting polygons



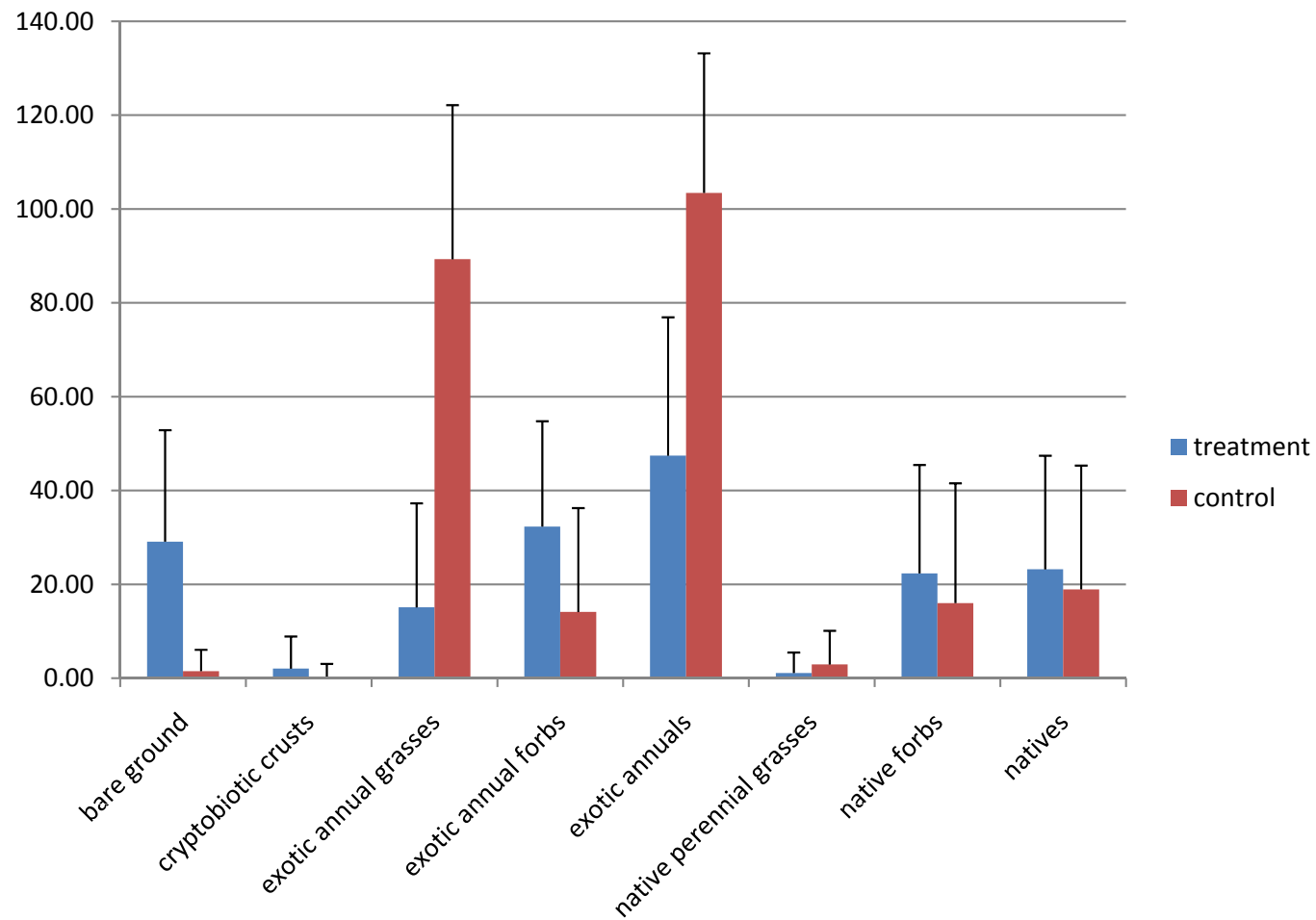
Planted in clusters

Harris Fire Recovery

- Fire burned over 4,137 acres of 8,500-acre Refuge in October 2007
- Quino checkerspot butterfly was most sensitive species severely affected by fire - Rehabilitation focuses on quino habitat
- 227 acres in 8 ridge top polygons de-thatched and received selective weed control with herbicide
- We plan to re-seed with native species in fall 2011
- Rehabilitation will benefit quino and more species including gnatcatcher and cactus wren



2010 Harris Fire monitoring results



Mexican flannelbush introduction



Mexican Flannelbush at San Diego NWR



Burrowing Owls at Sweetwater Authority and San Diego NWR



Nest box installation

- 15 boxes at SWA in Dec. 2006
- 10 boxes at SDNWR in Sept. 2007
- 10 more at SDNWR installed June 2010



Management Actions

Off-road vehicle boulder barrier post-Harris Fire on Mt. San Miguel



Local rock supplier set boulders in place to protect from unauthorized access from Proctor Valley and Spring Valley



Management Actions

Partnership with The Nature Conservancy, Partners for Fish and Wildlife and Private Landowners to protect McGinty Mountain conserved lands in Jamul



Management Actions American Recovery and Reinvestment Act “Stimulus” Project

New vehicle barrier...

**and gate at Sloane Canyon
closes McGinty Mountain to
off-road vehicles.**



Partnerships



**With County of San Diego
on trail bridge over Sweetwater River**



**With Conservation Biology Institute on
South County Outreach and Education**





Adaptive Grasslands Management South San Diego County



*Conserving costs through
collaborative conservation*





Project Overview

- Design cost-effective ways of controlling invasive grasses to benefit target grassland species
 - Habitat Assessments
 - BMPs/Conceptual Models
 - Restoration Plans/Experimental Design
- ❖ Apply management actions to a wider area based on project results

Spring-Summer 2011

- Habitat assessments of 3,000 acres of grasslands
 - Rancho Jamul
 - South of Sweetwater Reservoir
 - Proctor Valley
 - Sycamore Canyon
- Conceptual models for target species
 - Otay tarplant
 - Quino checkerspot butterfly
 - Burrowing owl











Land Manager Workshops

- Present/discuss conceptual models for the three target species.
- Exchange information on grassland management and restoration in southern California.
- Present/discuss adaptive management and monitoring design for South County grasslands.



Expected Results

- Polygons prioritized for each of the target species.
- 30 acres of restored habitat for target species.
- Cost/acre of alternative techniques for invasives control and restoration of native grasslands.
- Success rates of alternative techniques.
- Concept Plan for management of grasslands in South County.





Department of Fish and Game
South Coast Region's
Land Management Program and
the South San Diego MSCP

2010 ~~Highlights~~ Snap Shot

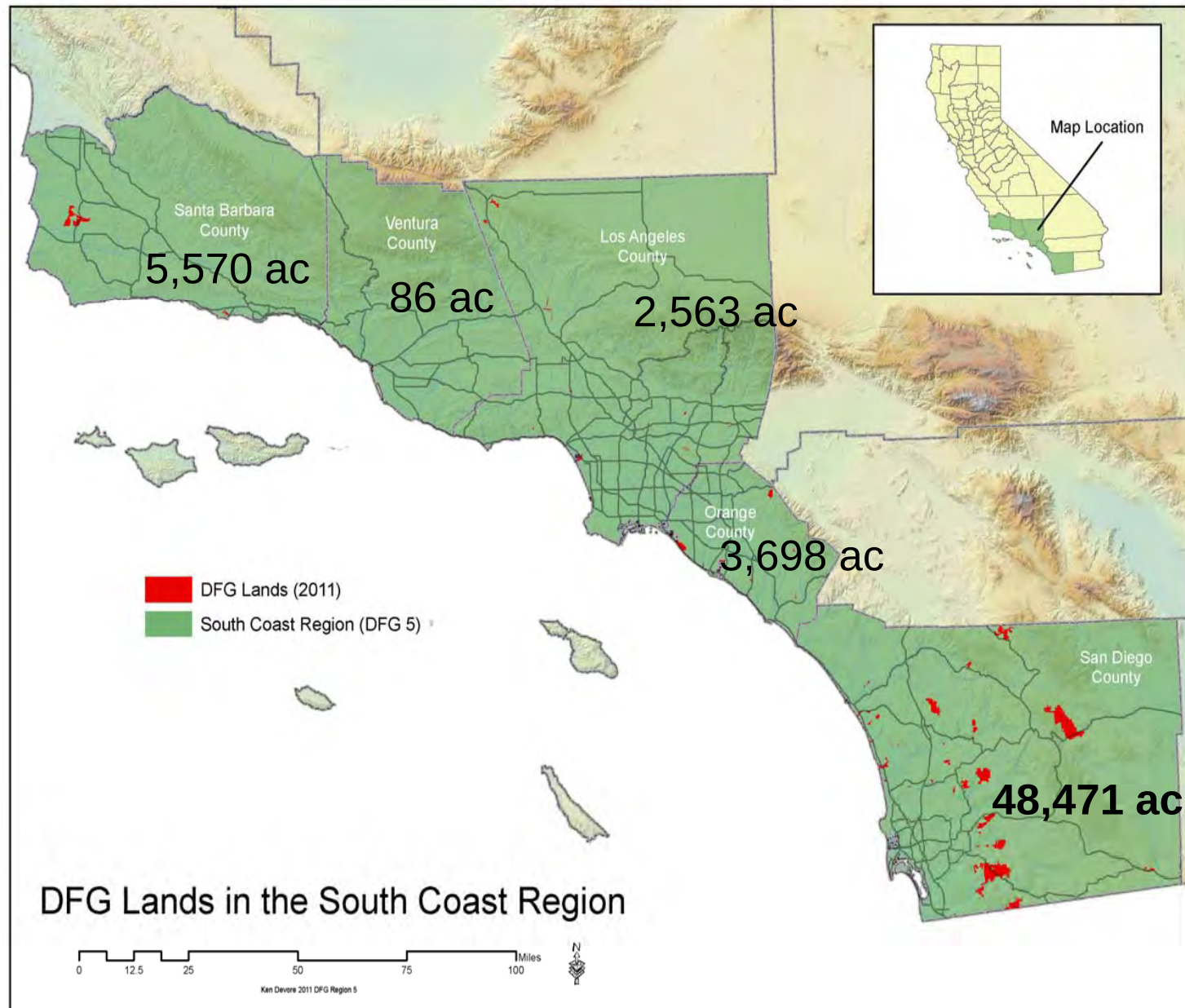
**Karen Miner, Lands Supervisor, CDFG
For MSCP Public Workshop**

June 29, 2011

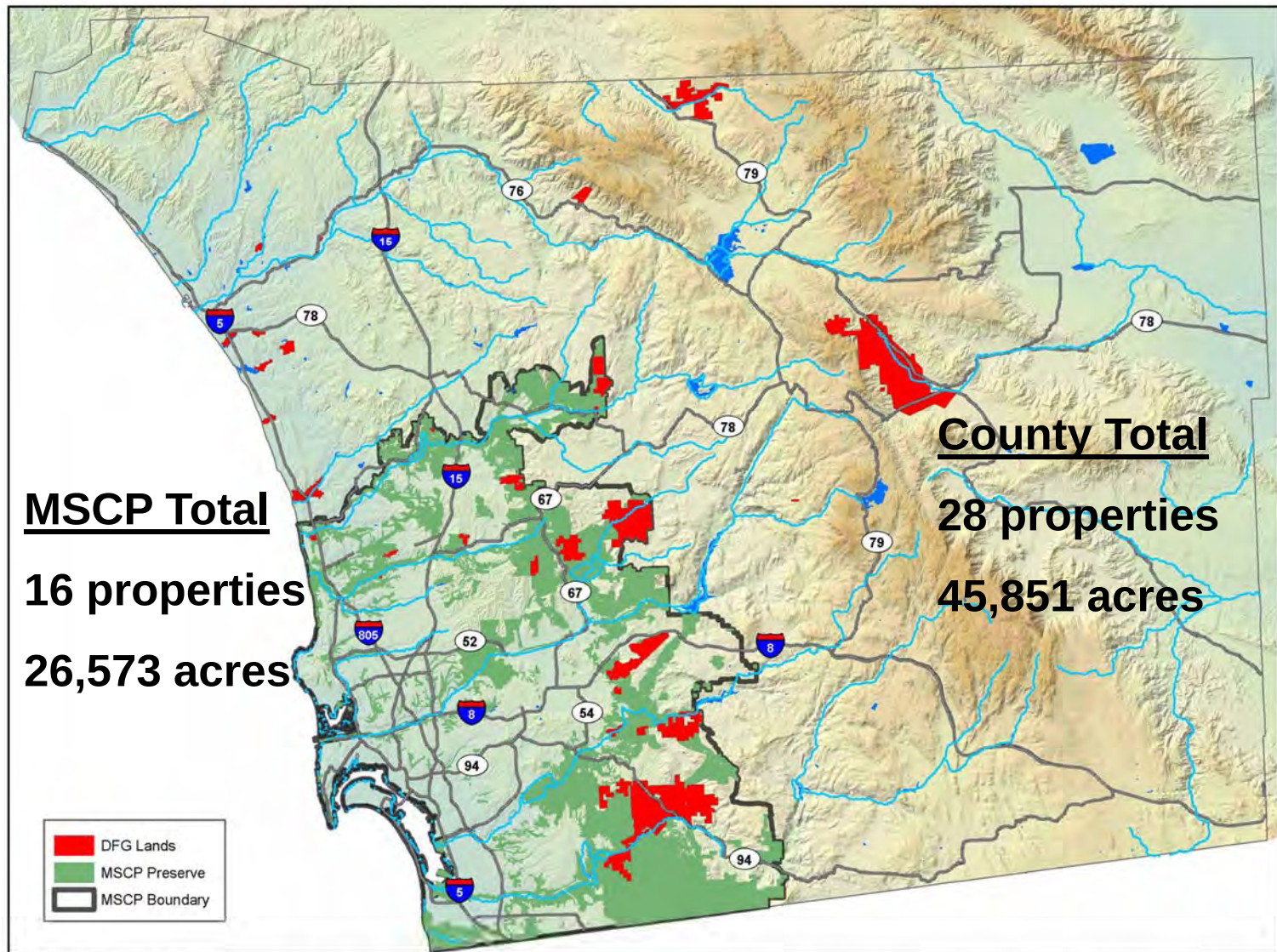
CDFG South Coast Region Lands

**Total over
60,000 acres
&
75 Properties**

(includes CEs)



CDFG Land Contributions to San Diego South County MSCP



K. Devore 2011 DFG South Coast Region

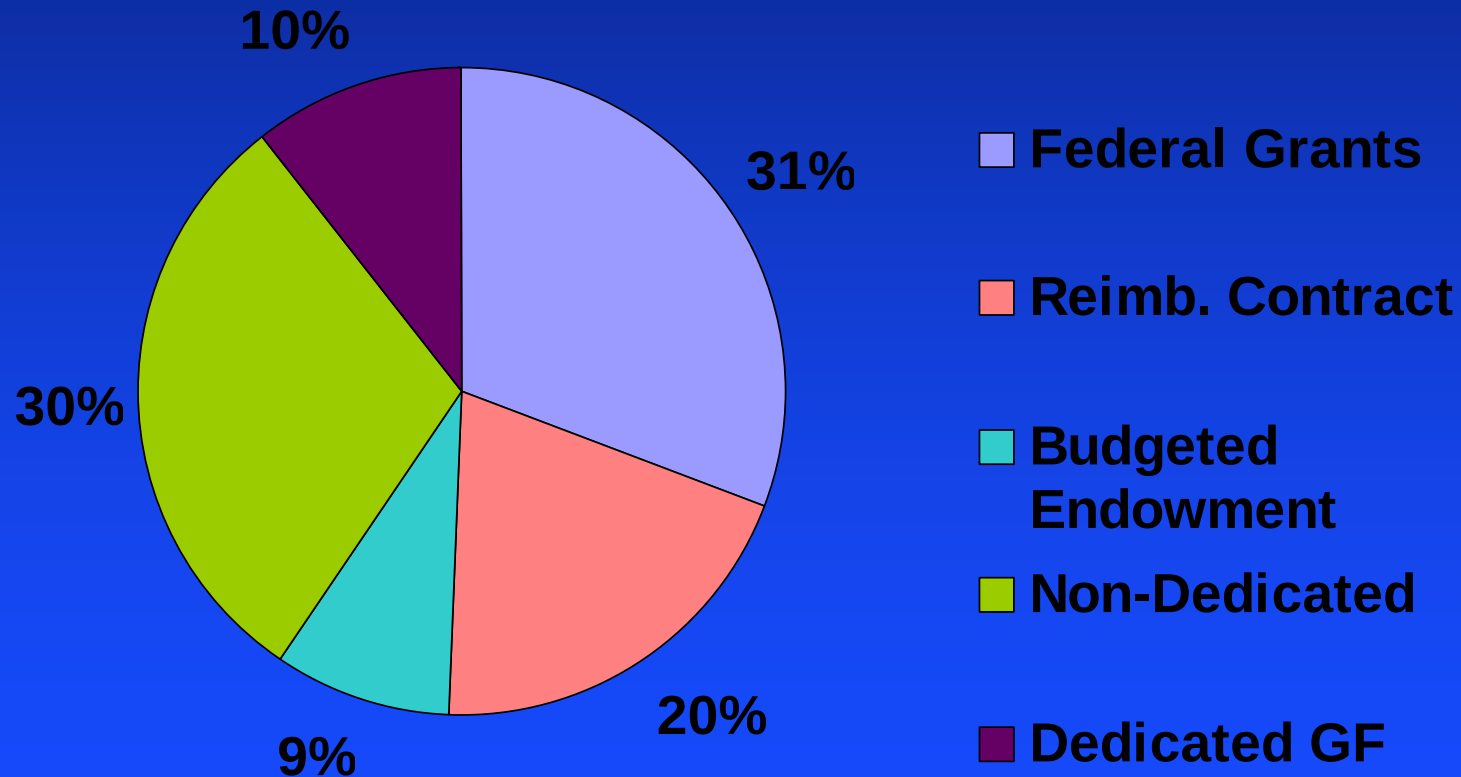
San Diego County, DFG Lands and the MSCP Boundary.

0 3.75 7.5 15 Miles



Region-wide Land Management Funding Sources

FY10/11 Budget

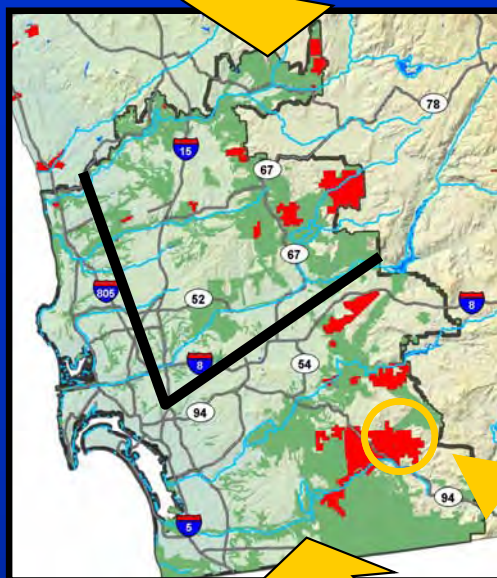


Reserve Manager



Jason Price

Central SD County



South SD County



Tim Dillingham

Maintenance Assistant



Andy Church

All Five Counties

Habitat Specialist



John Ekhoft

All Five Counties

Wildlife Technician



Ian Cecena

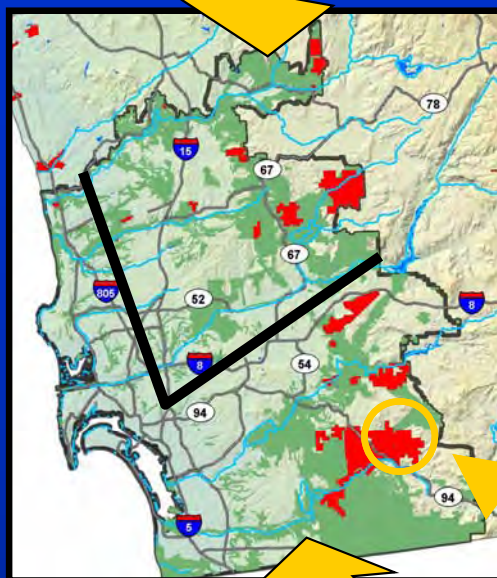
Wildlife Areas Only

Reserve Manager



Jason Price

Central SD County



South SD County



Tracy Nelson

Reserve Manager

Maintenance Assistant



Andy Church

All Five Counties

Habitat Specialist



John Ekhoft

All Five Counties

Wildlife Technician



Ian Cecena

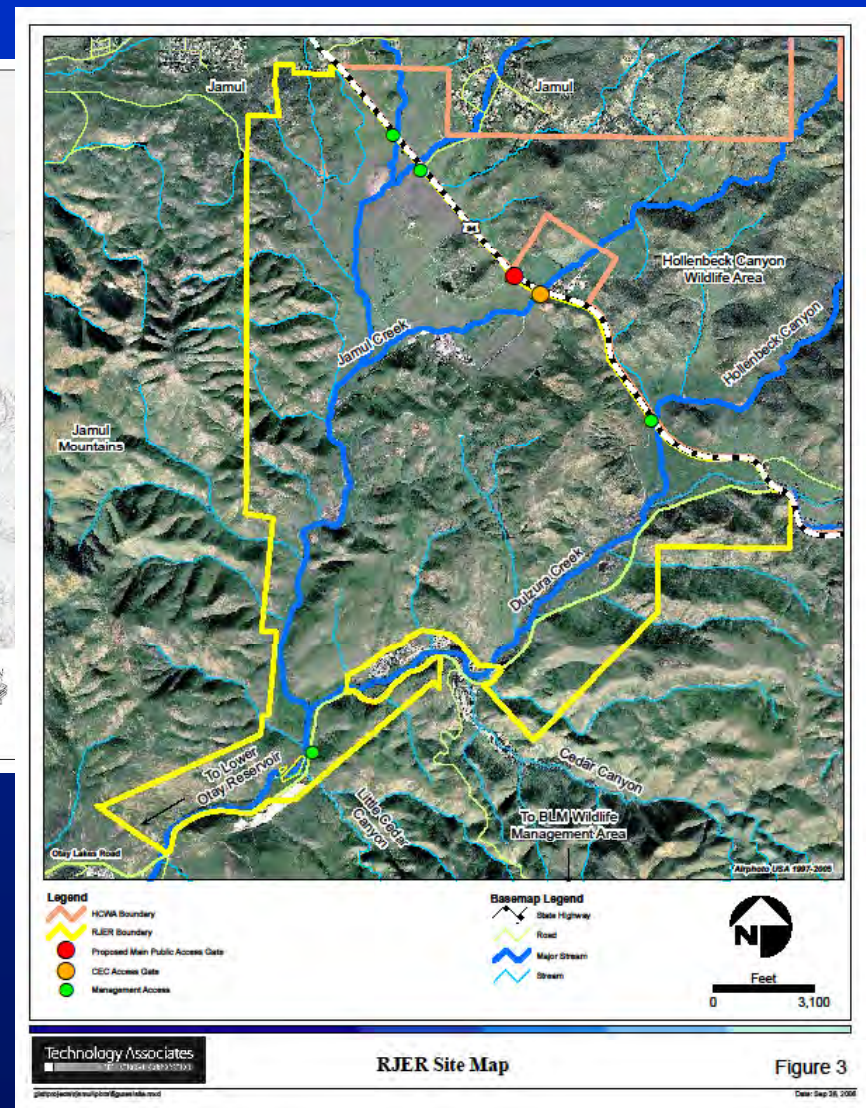
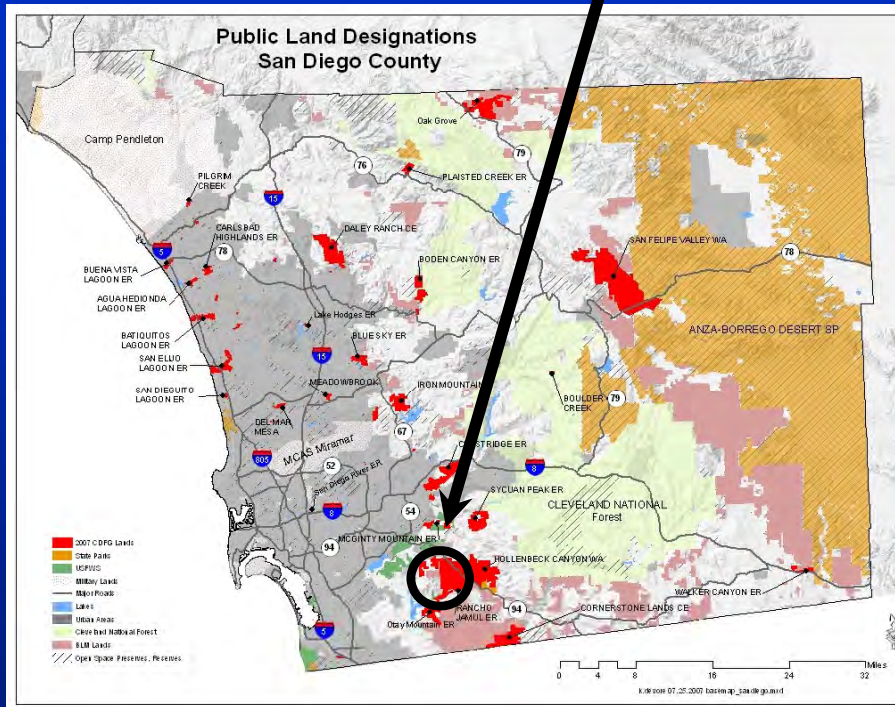
Wildlife Areas Only

CDFG Lands Contribution

to San Diego South MSCP as of 2010

Property Name	Acres		
Blue Sky Ecological Reserve	598	Meadowbrook Ecological Reserve	150
Boden Canyon Ecological Reserve	1,221	Otay Mountain Ecological Reserve	1,209
Canada de San Vicente	4,759	Rancho Jamul Ecological Reserve	5,701
Crestridge Ecological Reserve	2,764	San Diego River Ecological Reserve	31
Del Mar Mesa/ Lopez Ridge Ecological Reserve	92	San Dieguito Lagoon Ecological Reserve	110
Hollenbeck Canyon Wildlife Area	5,493	San Vicente Highlands	1,375
Lake Hodges Ecological Reserve	19	Sycamore Valley	321
McGinty Mountain Ecological Reserve	411	Sycuan Peak Ecological Reserve	2,319

Rancho Jamul Ecological Reserve



2010 Activities

CDFG Staff

- ❖ Target herbicide applications- ~61 acres
- ❖ Maintain building facilities and grounds
- ❖ Maintain well pumps and water conveyance system
- ❖ Replace damaged/vandalized fence, gates and signs
- ❖ Mow select habitat areas
- ❖ Maintain equipment, vehicles, tools



2010 Activities

❖ **Conduct Biological Surveys – least Bell's vireo, California gnatcatcher, tricolored blackbird**

❖ **Issue Special Use Permits - 3 in 2010; 7 in 2011**

2010 Activities

With Help of Volunteers

- ❖ Native Grass Farm - 400' herbivore fence installed and weeded
- ❖ Shade House installed
- ❖ Green House installed
- ❖ Native Landscape Plan reinitiated



Annual Highway 94 Roadside Burn Project

- ❖ Coordinate with CalFire
- ❖ Conduct biological surveys
- ❖ Prepare environmental review
- ❖ Prepare roads and cleared around fence posts
- ❖ Monitor burn day and night



Proctor Valley Road Barrier Fence Project

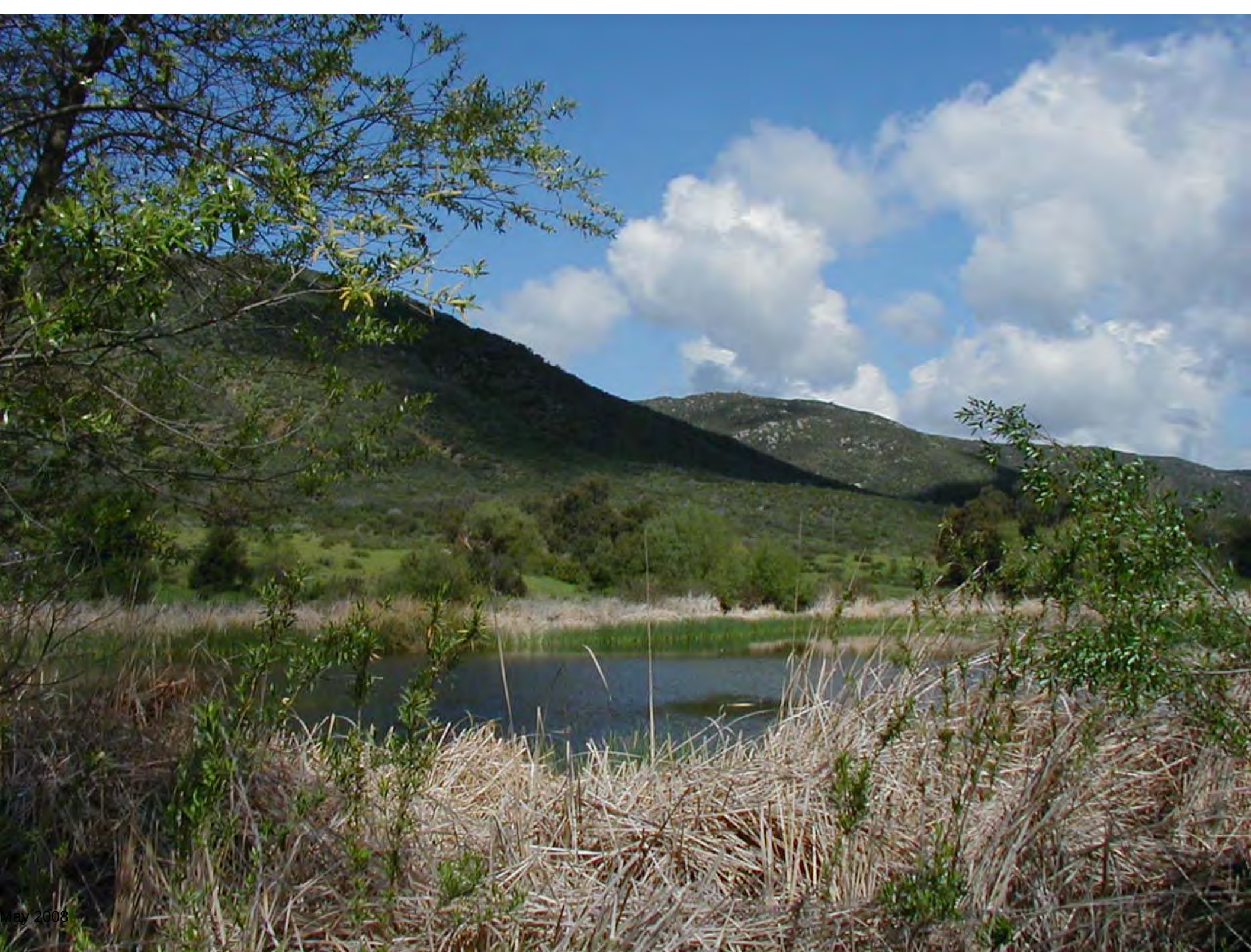


- ❖ Proposal initiated by Refuge and TNC staff, funded by Transnet grant to California Wildlife Foundation
- ❖ Conduct biological surveys
- ❖ Prepare environmental review
- ❖ Prepare contract specifications

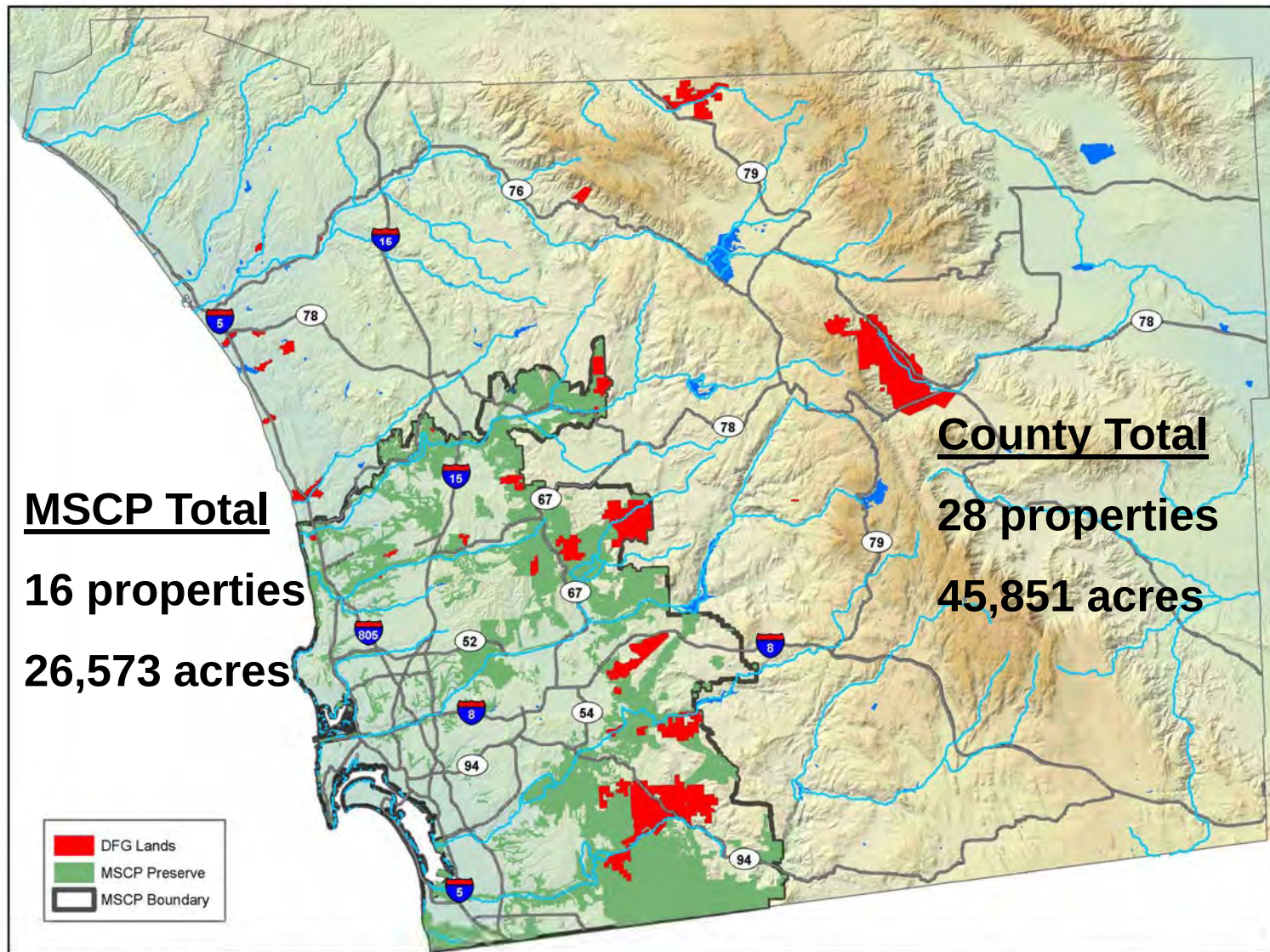


Proctor Valley Road Barrier Fence Project





CDFG Land Contributions to San Diego South County MSCP



K. Devore 2011 DFG South Coast Region

San Diego County, DFG Lands and the MSCP Boundary.

0 3.75 7.5 15 Miles



Wildlife responses to large-scale wildfires in Southern California

Carlton J. Rochester
and
Robert N. Fisher

U. S. Geological
Survey, San Diego,
CA, U.S.A.



Site Locations

Elliott Reserve – 10

Little Cedar – 9

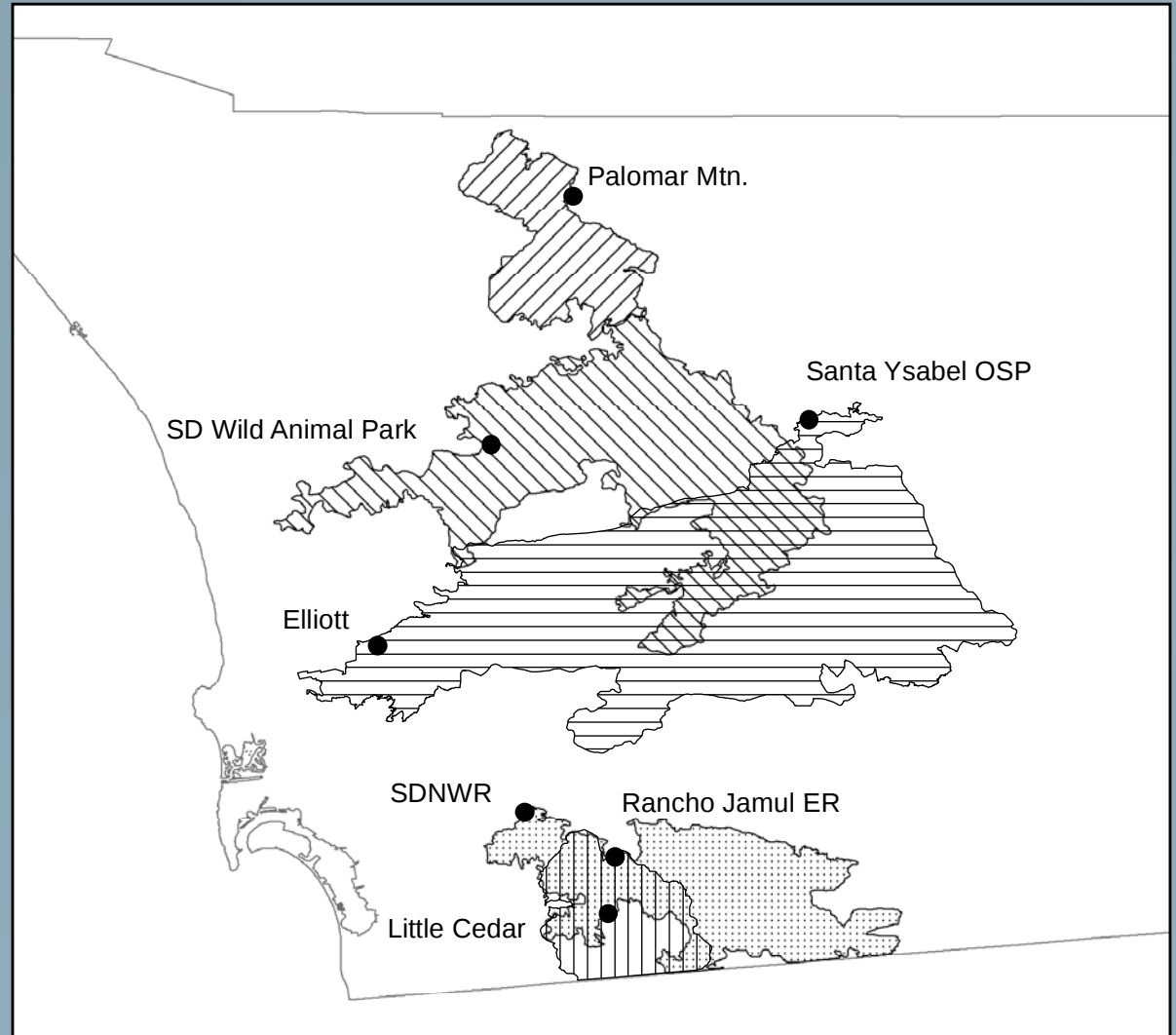
Palomar Mtn – 12

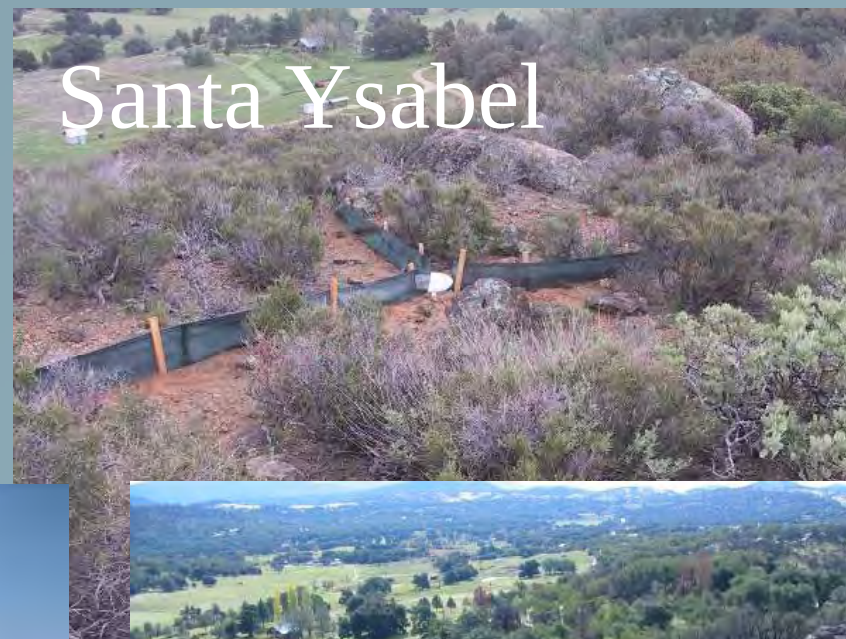
Rancho Jamul ER – 20

Santa Ysabel OSP – 26

San Diego National
Wildlife Refuge – 12

San Diego Wild Animal
Park - 20





Results 2010: Captures

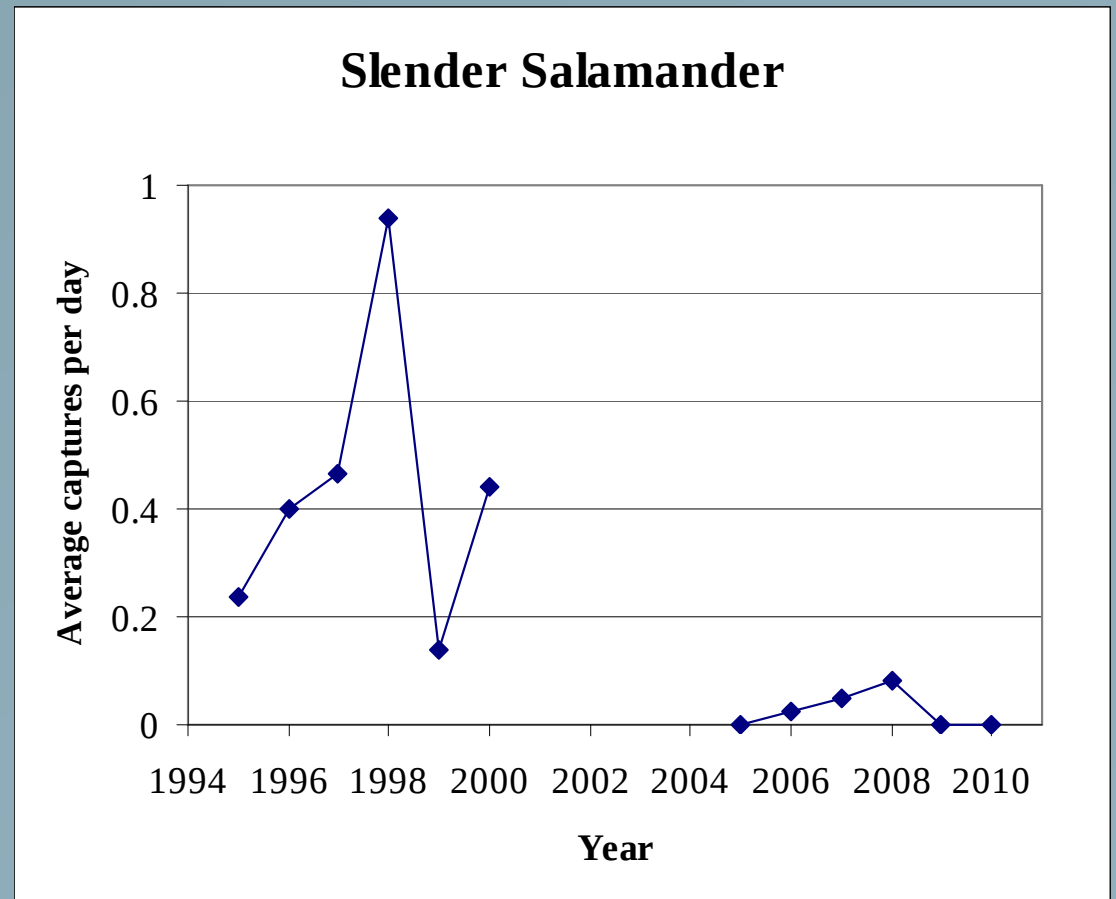
- >500 array nights
- 2,550 total herp captures
- 3,028 total mammal captures
 - 4 species of frogs or toads
 - 2 salamander species
 - 12 lizards species
 - 13 snake species
 - 21 small mammal species



Slender Salamander (*Batrachoseps major*)

Elliott Chaparral Reserve

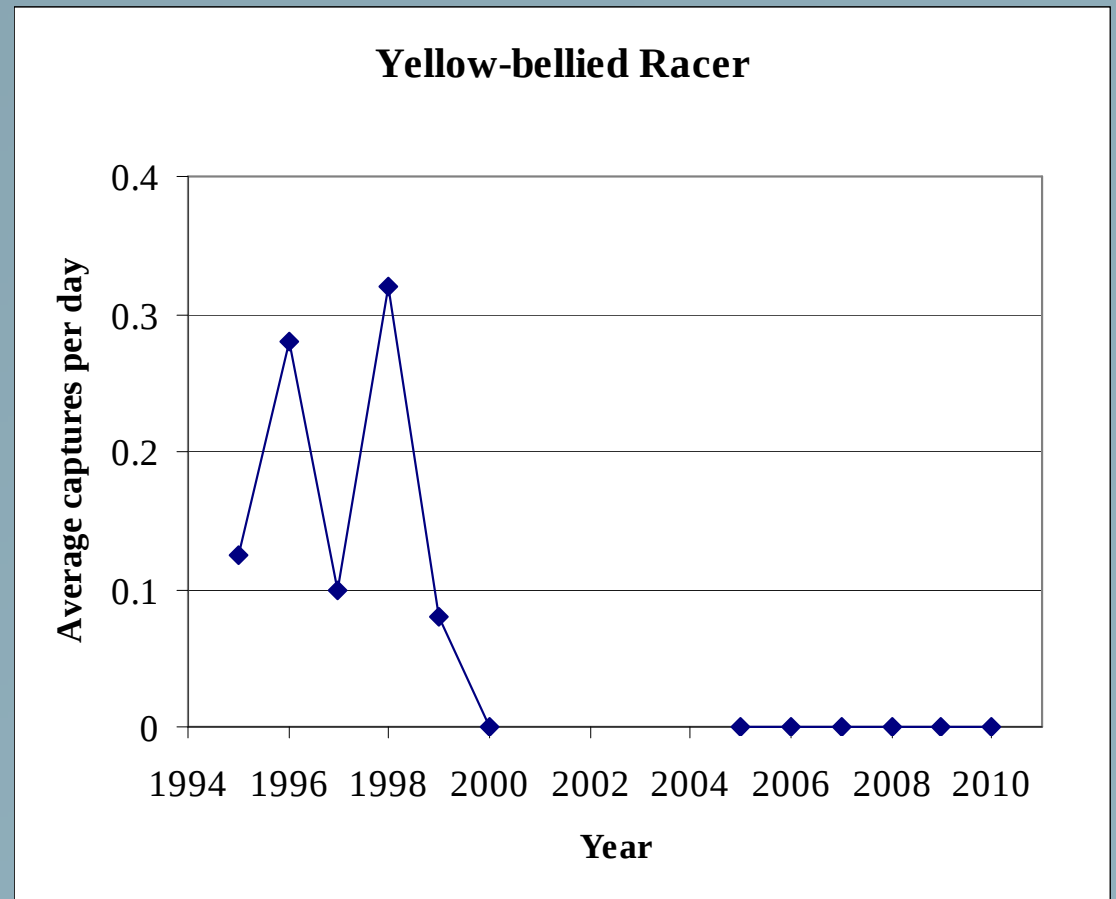
- 141 captures between 1995 and 2000 in 332 sample days
- 6 captures between 2005 and 2010 in 216 sample days



Yellow-bellied racer (*Coluber constrictor*)

Elliott Chaparral Reserve

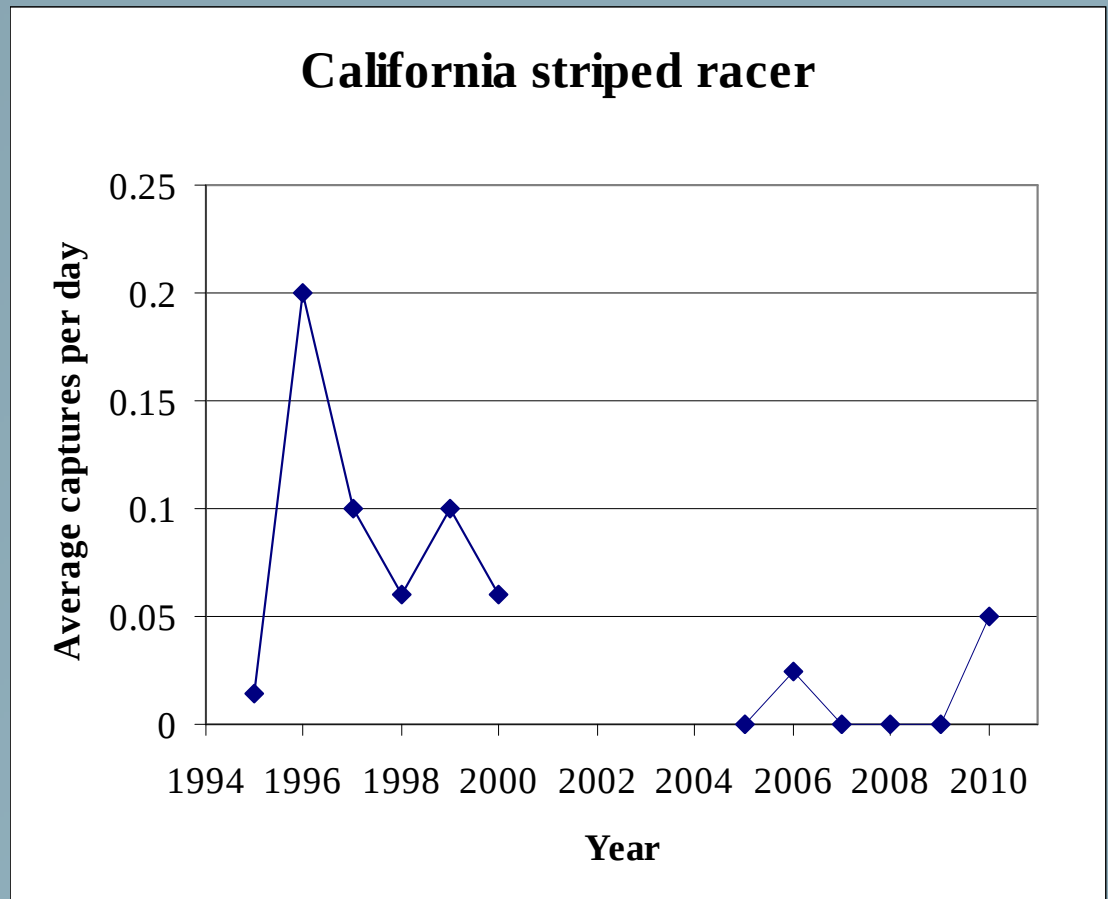
- 49 captures between 1995 and 2000 in 332 sample days
- 0 captures between 2005 and 2010 in 216 sample days



California striped racer (*Masticophis lateralis*)

Elliott Chaparral Reserve

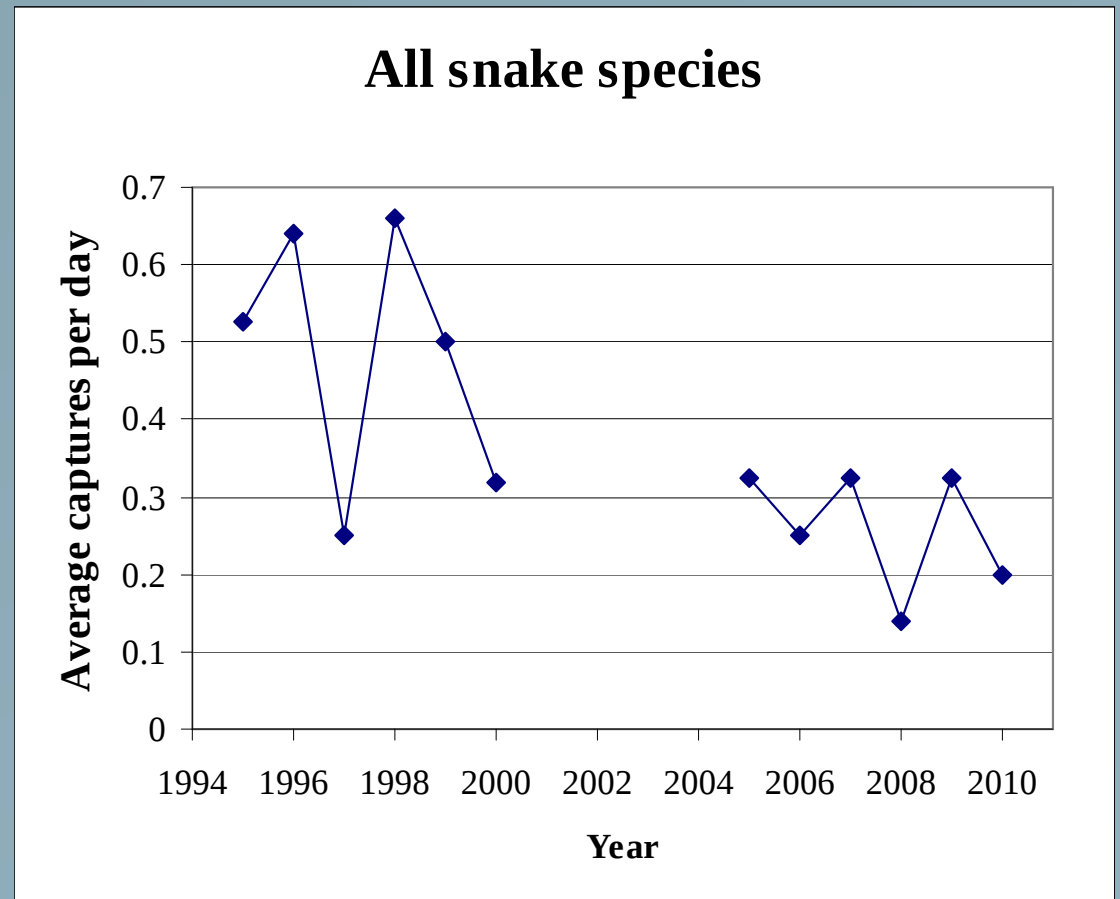
- 28 captures between 1995 and 2000 in 332 sample days
- 2 captures between 2005 and 2010 in 216 sample days



All snake species

Elliott Chaparral Reserve

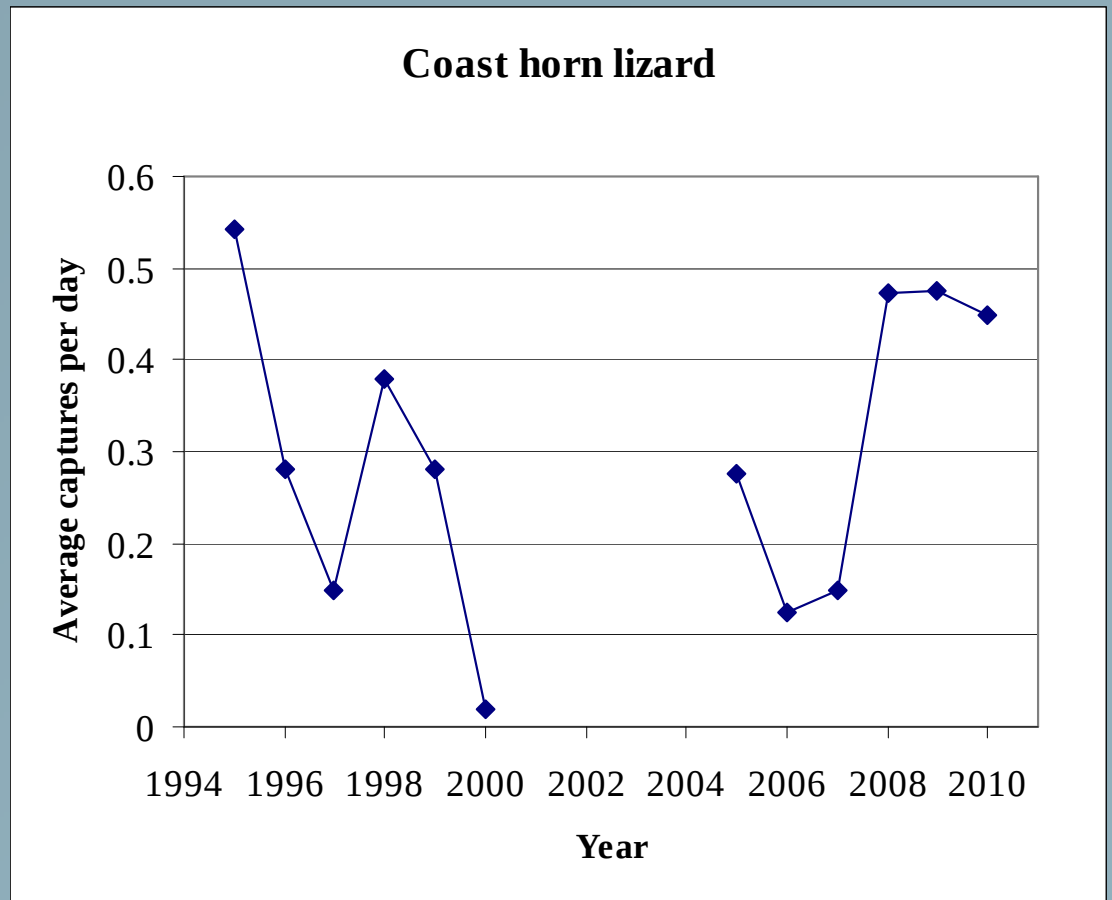
- 159 captures between 1995 and 2000 in 332 sample days
- 58 captures between 2005 and 2010 in 216 sample days



Coast horn lizard (*Phrynosoma coronatum*)

Elliott Chaparral Reserve

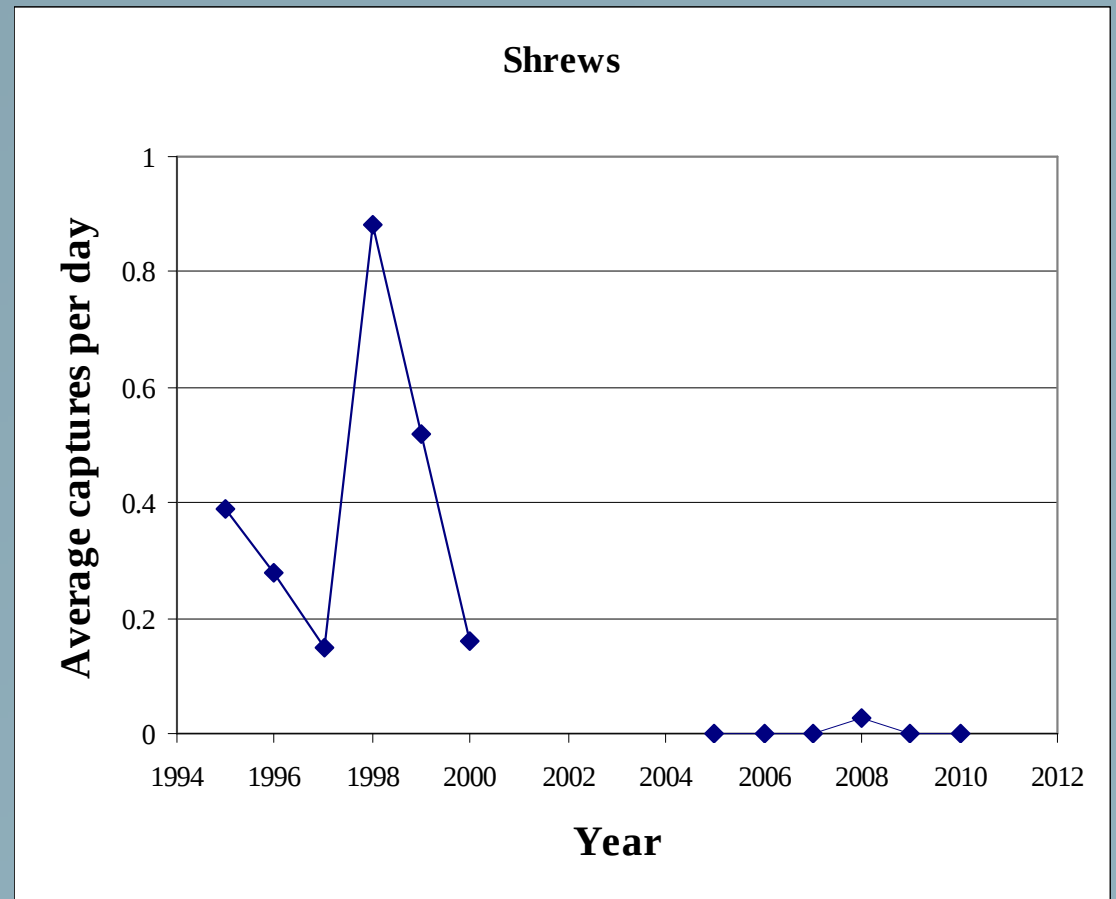
- 96 captures between 1995 and 2000 in 332 sample days
- 67 captures between 2005 and 2010 in 216 sample days



Shrews (*Notiosorex crawfordi* and *Sorex ornatus*)

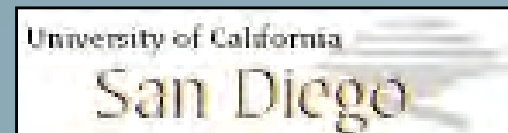
Elliott Chaparral Reserve

- 129 captures between 1995 and 2000 in 332 sample days
- 1 capture between 2005 and 2010 in 216 sample days



Thanks:

- **Funding:**
 - San Diego Association of Governments
 - U. S. Geological Survey
 - U. S. Fish and Wildlife Service
 - California Department of Fish and Game
- **Site access:**
 - California Department of Fish and Game
 - County of San Diego Parks & Recreation
 - University of California, San Diego- Nature Reserve System
 - Bureau of Land management





Environmental Mitigation Program

MSCP ANNUAL REPORT



Calavera Preserve, Carlsbad

June 2011



Large Scale Acquisition
and Management

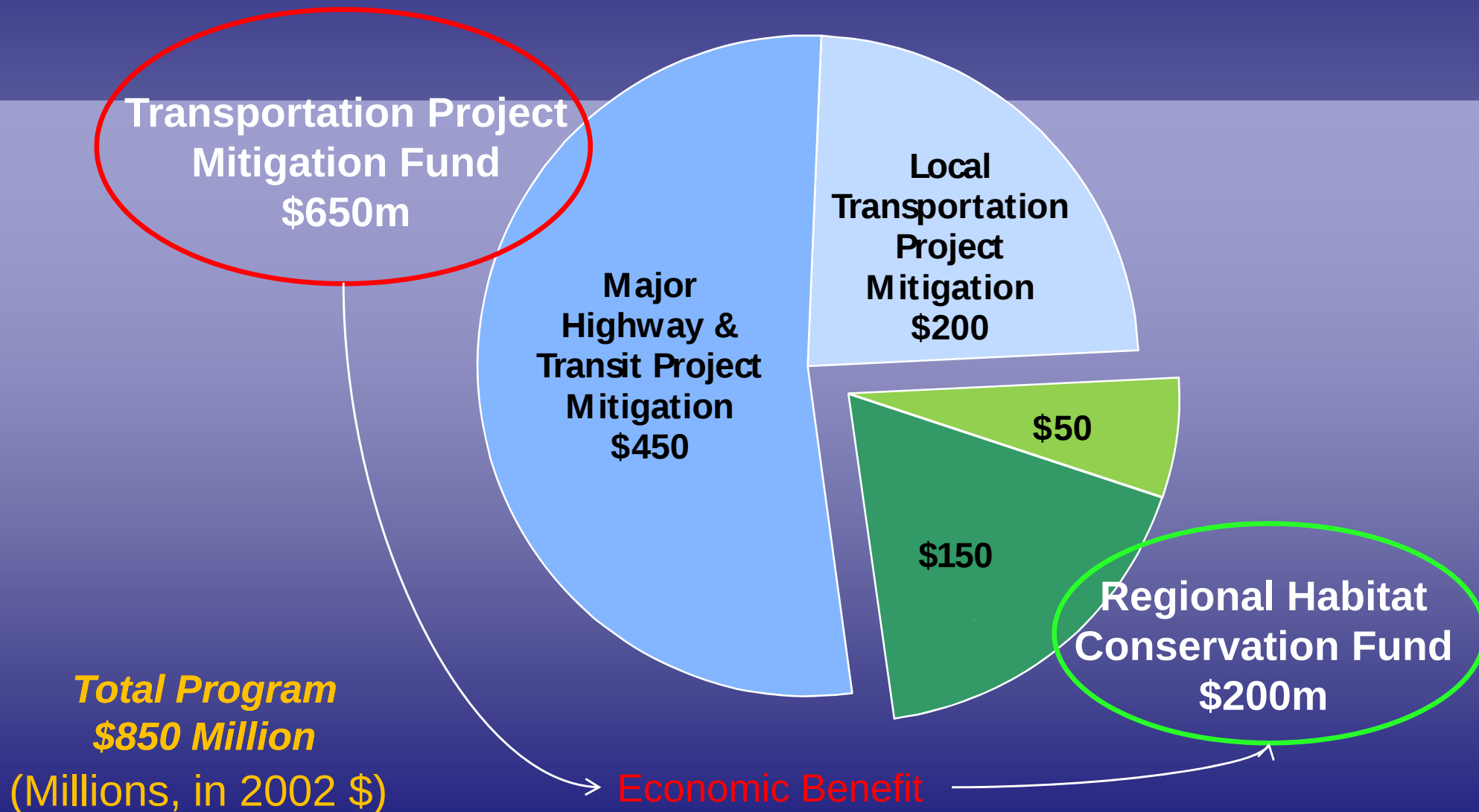


Reduced Cost
Accelerated Delivery
Implement Habitat Plans
↓ Listing of species

TransNet Extension EMP 2004

“The intent is to establish a program to provide for large-scale acquisition and management of critical habitat areas and to create a reliable approach for funding required mitigation for future transportation improvements thereby reducing future costs and accelerating project delivery. This approach would be implemented by obtaining coverage for transportation projects through existing and proposed multiple species conservation plans. (Section D)”

Environmental Mitigation Program Costs



TransNet Environmental Mitigation Program

TransNet EMP MOU

- \$440 M/ 10 yrs available for early acquisition and restoration for RTP transportation mitigation
- \$40 M/ 10 yrs available for regional management and monitoring activities necessary to implement the regional habitat plans.



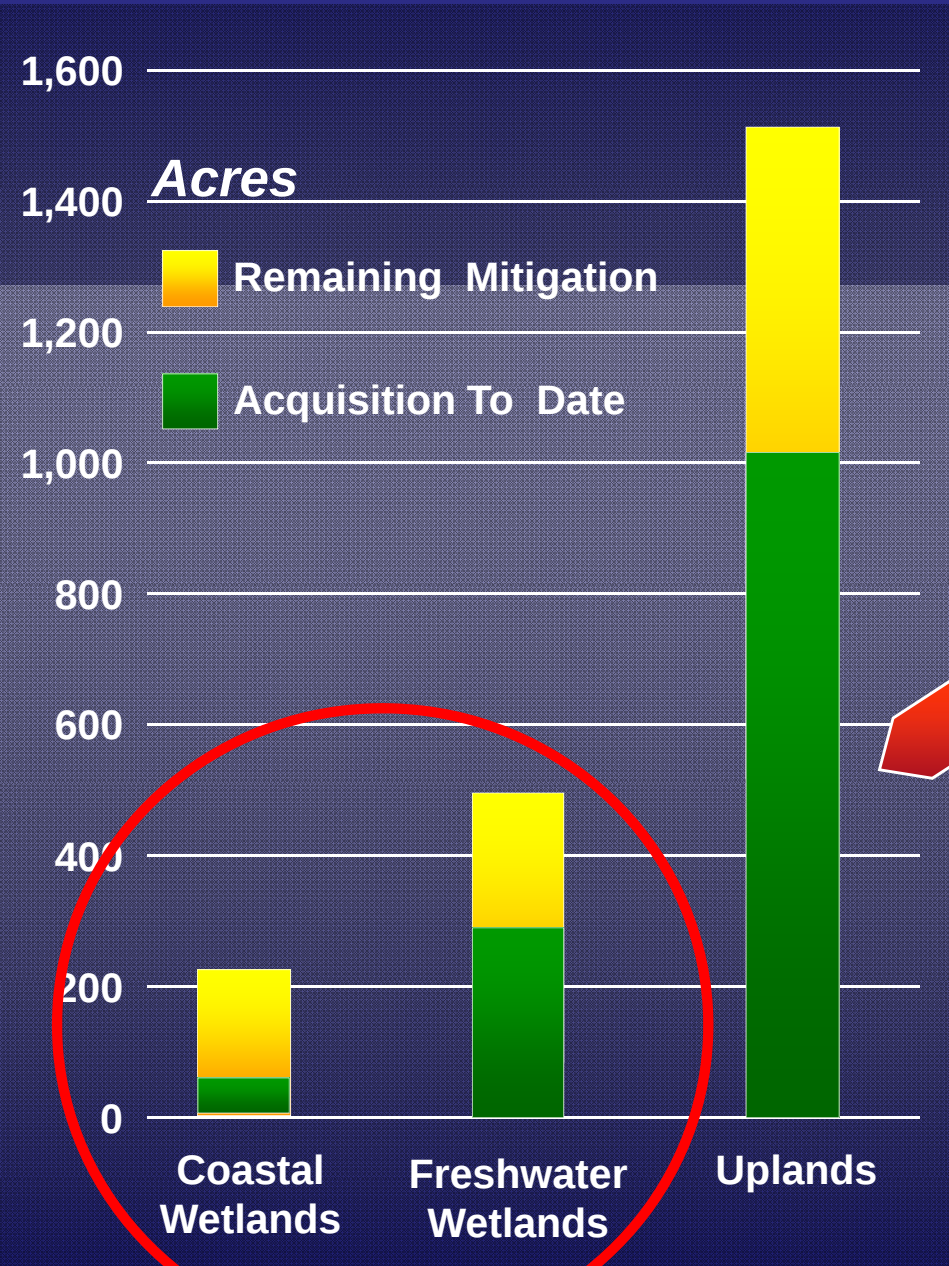
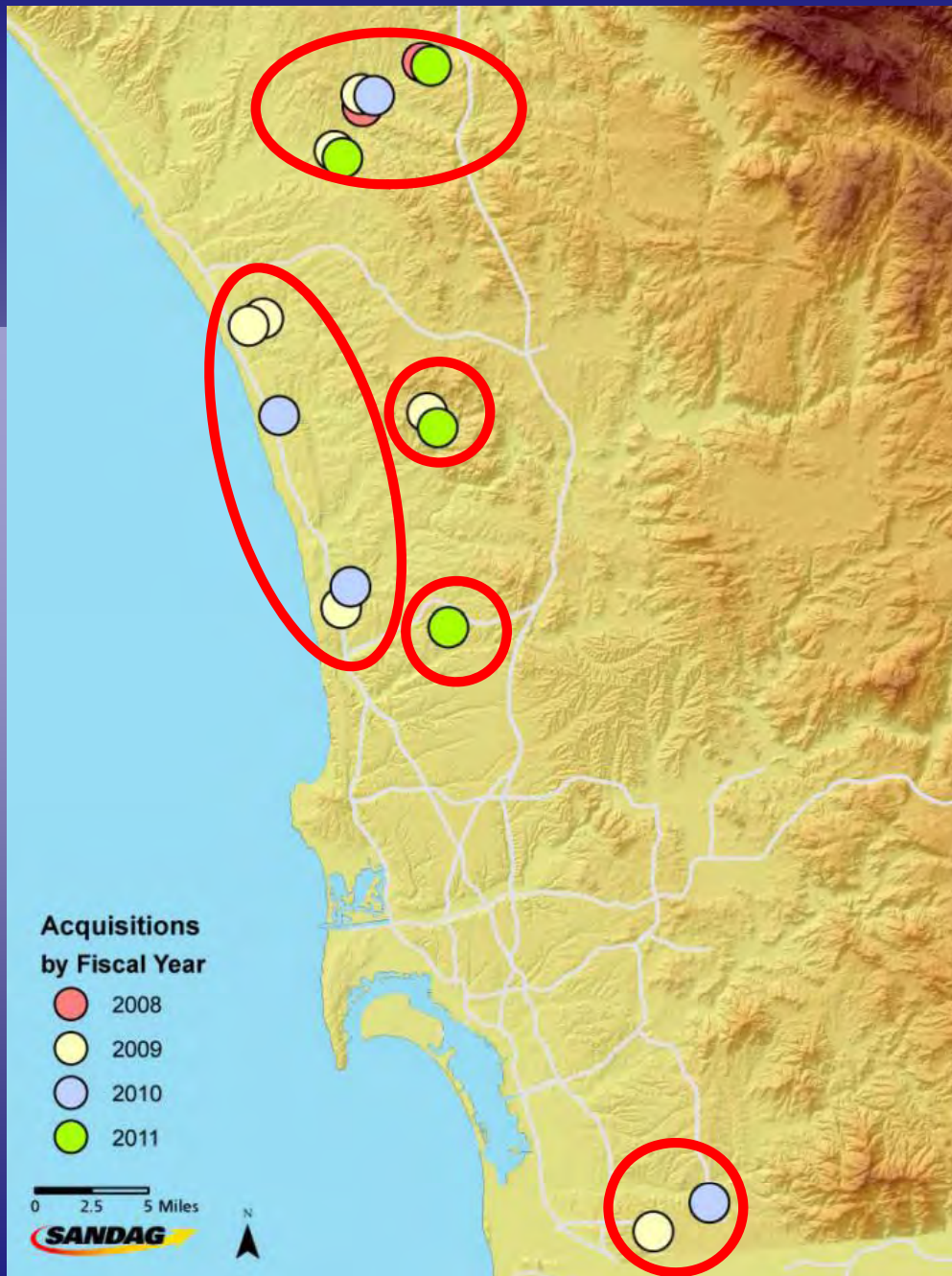
Biological Mitigation Fund

Land Acquisition for Mitigation



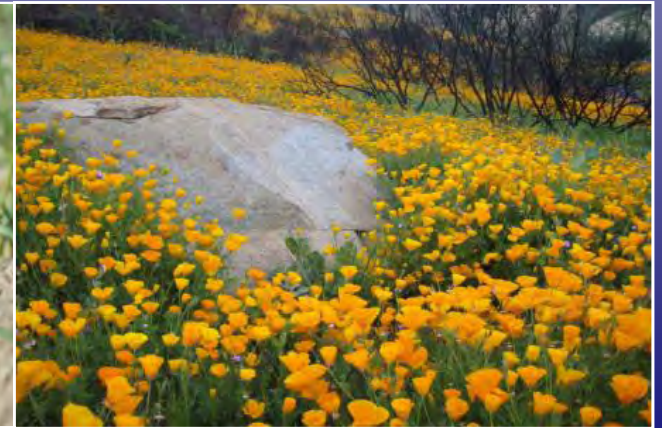
Sage Hill - acquired 2/13/09

Biological Mitigation Fund



The Numbers

- 17 - Properties acquired under EMP
- 1,393 - Acres of land acquired for mitigation
- 53% - Total projected RTP projects mitigated
- 28.5% - Under budget for land acquisition
- \$26 million - Est. cost savings compared to budget
- \$11.1 million - Funding leveraged for acquisition



Habitat Conservation Fund

Regional Monitoring and Land Management

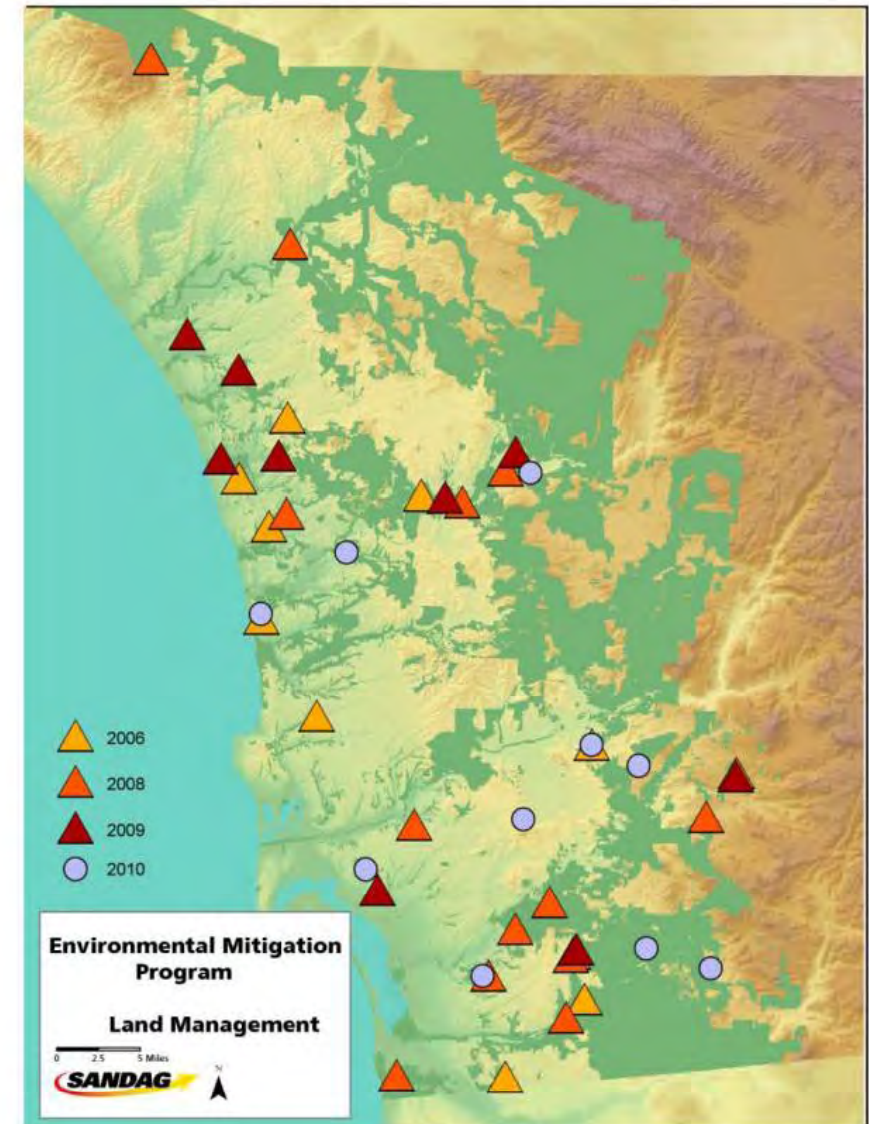
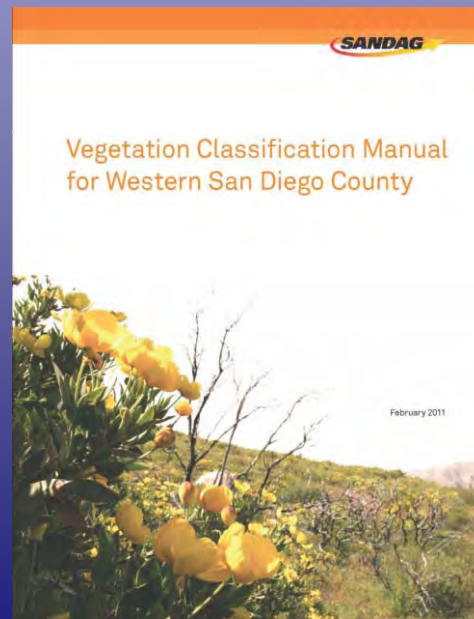


2007 Poomacha fire

Habitat Conservation Fund

REGIONAL MANAGEMENT

Conserved Lands Database Development
Land Management Grants
Invasive Plant Species Mapping
Invasive Animal Species Removal
Updated Vegetation Mapping
Enforcement
Preserve level management plan
standardization



Habitat Conservation Fund

REGIONAL MONITORING

Post Fire Monitoring/ Recovery Planning

Vegetation Monitoring

Rare and Endemic Plant Monitoring

California Gnatcatcher Monitoring

California Coastal Cactus Wren Monitoring

Burrowing Owl Monitoring

Rare Butterfly Monitoring

Wildlife Corridor



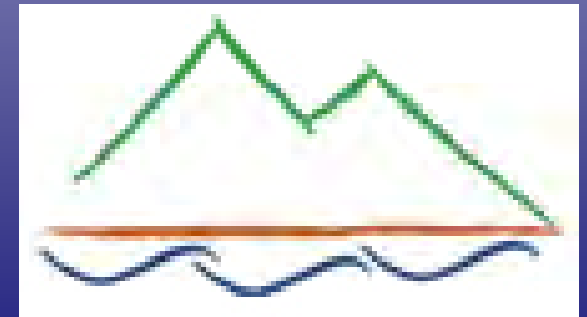
The Numbers

- 40 - Total number of land management grants
- \$7.4 million - Grant funds provided to land managers
- \$4.4 million - Leveraged matching funds from grants
- 16 - # scientific articles/technical reports published
- 450,000 – vegetation acreage to be mapped in 2011-12



Regional Management and Monitoring

- San Diego Management and Monitoring Program
 - The SDMMP is a science based program seeking to provide a coordinated approach to management and biological monitoring www.sdmmp.com
 - Connectivity Strategic Plan
 - Management Strategic Plan
 - Regional Coordination
 - Management
 - Monitoring
 - Facilitation



Regional Management and Monitoring

- Institute for Ecological Monitoring and Management
 - Science in service of policy and management
IEMM.sdsu.edu
 - Support for conservation management and monitoring
 - Integration of science into management plans
 - Dalhem Conference



Enforcement Pilot Project

- Lt. Mike Ference, California Department of Fish and Game



- Sergeant Rick Turvey, San Diego County Sheriffs Department



California Department of Fish and Game Law Enforcement Division



WWW.DFG.CA.GOV/ENFORCEMENT

Open Space Areas

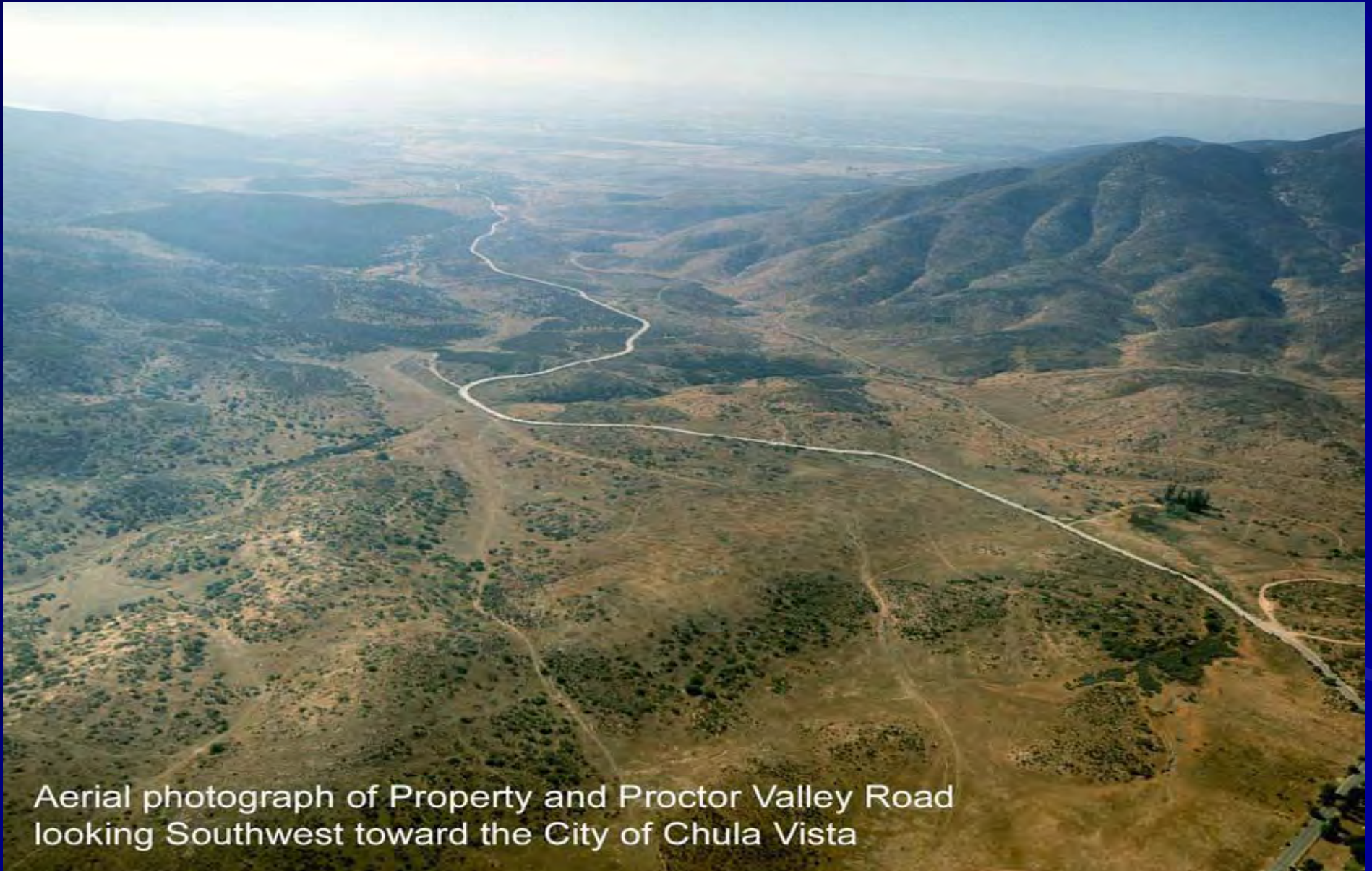
The California Department of Fish and Game
Will support open space areas in San Diego County through uniformed patrol and enforcement of resource related laws and regulations.

This effort will aid in reducing illegal activities on Open spaces in the county by increasing our law enforcement presence on them.

Areas patrolled

- Proctor Valley Road
- Crestridge Ecological Reserve
- San Elijo Lagoon Ecological Reserve

Proctor Valley Road



Aerial photograph of Property and Proctor Valley Road
looking Southwest toward the City of Chula Vista

Proctor Valley Road

Vehicular Trespass



Proctor Valley Road



Vehicular Trespass

Destruction of habitat



PVR Stats (May 20th – Dec 10th)

- 16 Patrols

- 27 contacts

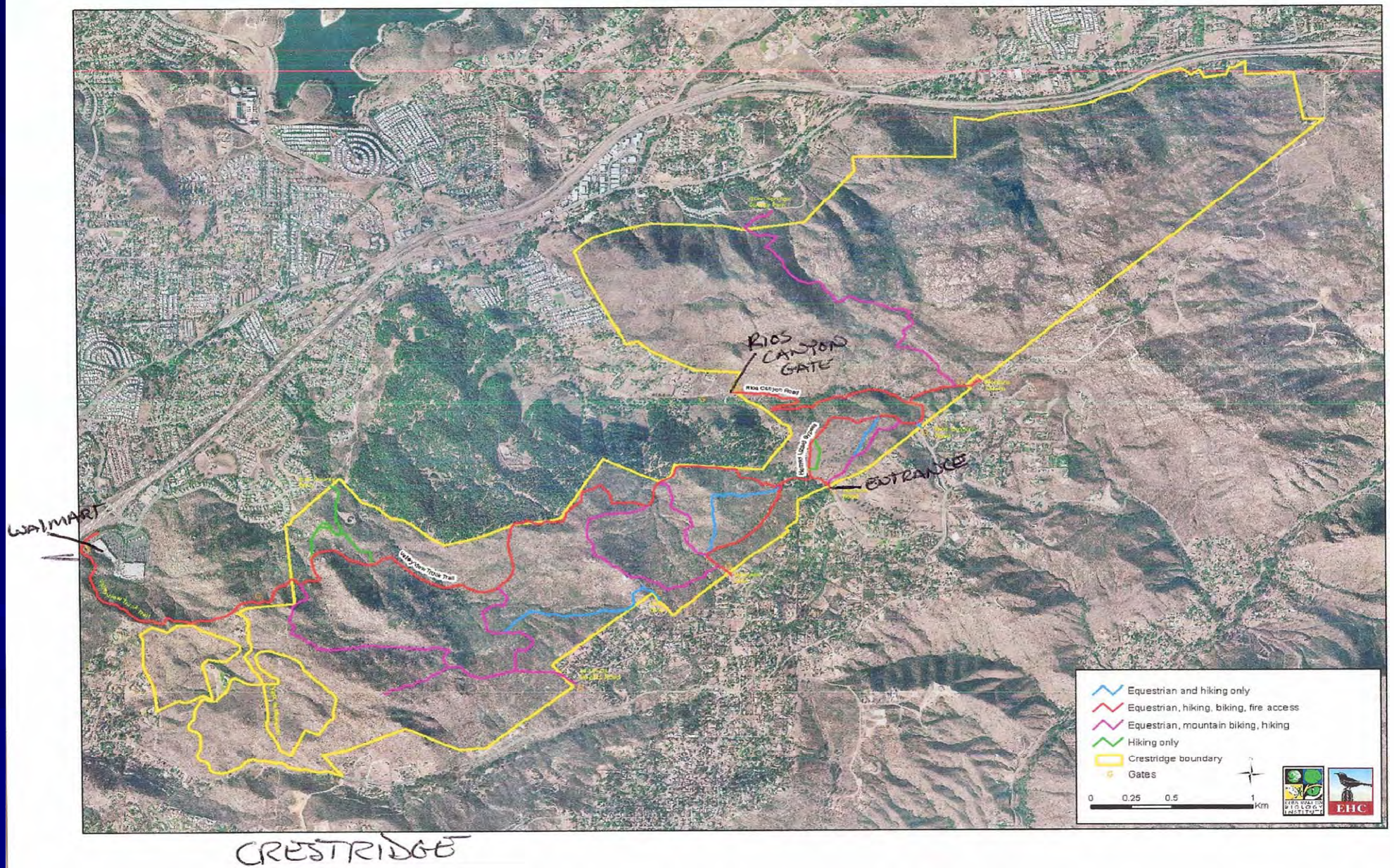
- 4 warnings

Vehicular trespass

- 5 citations issued

Vehicular trespass (off roading)

Crestridge Ecological Reserve



Crestridge Ecological Reserve



Close proximity to
residential homes

Homeless



Crestridge Ecological Reserve



Vehicular Trespass

Crest Stats (May 20th – Dec 10th)

- 15 Patrols

- 31 contacts

- 3 warnings

Transients

- 0 citations issued

San Elijo Lagoon



San Elijo Lagoon

Migrant Camps

Destruction of habitat



San Elijo Lagoon



San Elijo Lagoon



Trespass



Dog off leash



San Elijo Lagoon



SEL Stats (May 20th – Dec 10th)

- 14 Patrols

- 92 contacts

- 9 warnings

 - 8 Transients/Migrant workers

 - 8 Trespass on foot

 - 1 Dog off leash

- 9 citations issued

 - 6 Trespass (caves)

 - 3 Dogs off leash

Stat Totals (May 20th – Dec 10th)

- 27 Days (Patrols (16 PVR, 15 CER, 14 SEL))
- 150 contacts
- 24 warnings
 - 11 Transients/Migrant workers (CER/SEL)
 - 8 Trespass on foot (SEL)
 - 4 Vehicular trespass (PVR)
 - 1 Dog off leash (SEL)
- 14 citations issued
 - 5 Vehicular trespass (off roading -PVR)
 - 6 Trespass (caves - SEL)
 - 3 Dogs off leash (in ecological reserve - SEL)

Contact info.

Lt. Mike Ference

Email = Mference@dfg.ca.gov

Phone = 858-467-4201

San Diego County Sheriff's Department



Locations Worked

- Otay Mesa
- Proctor Valley
- Fanita Ranch/Sycamore Canyon
- Eagles Nest

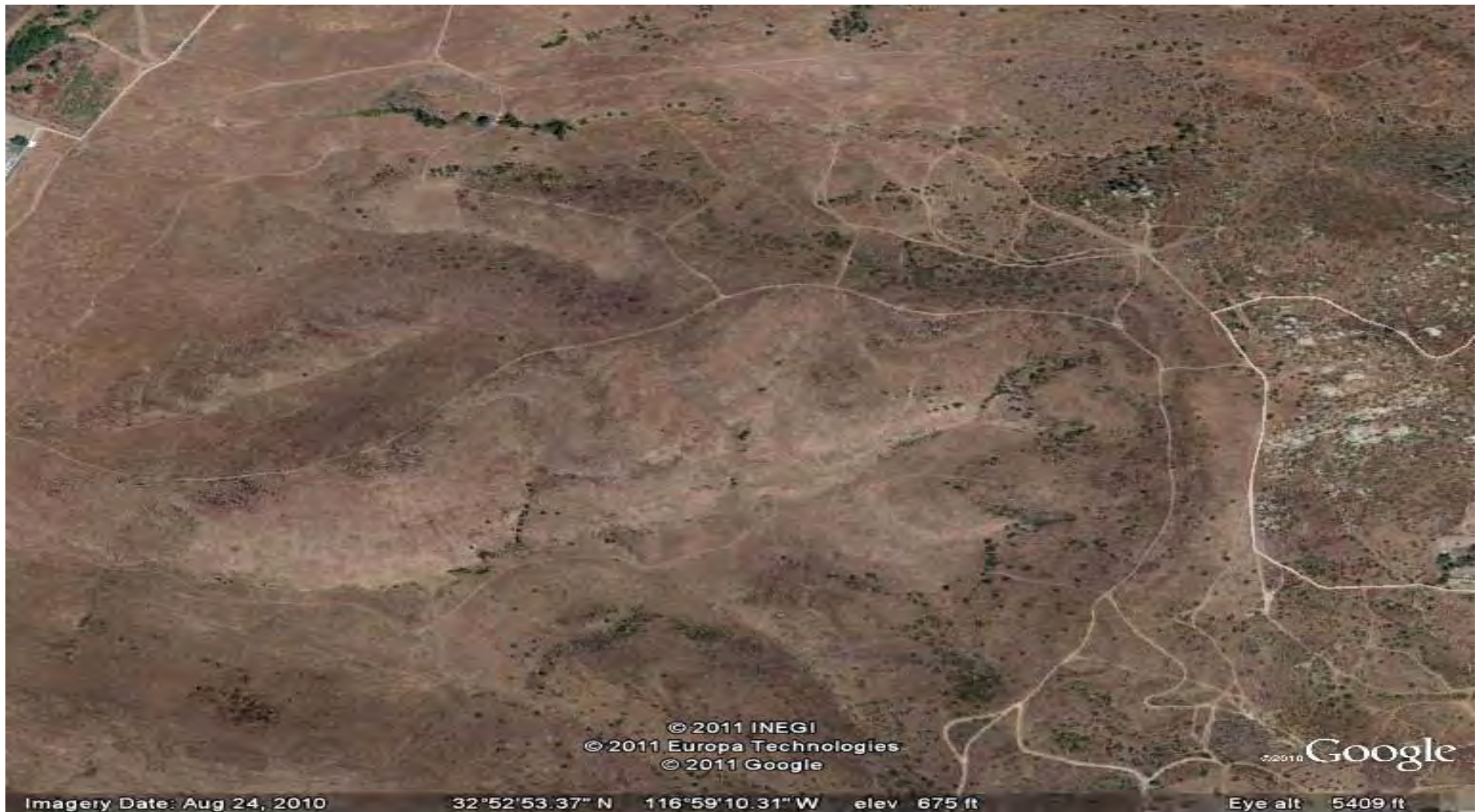
Otay Mesa



Proctor Valley



Fanita Ranch/Sycamore Canyon



© 2011 INEGI
© 2011 Europa Technologies
© 2011 Google

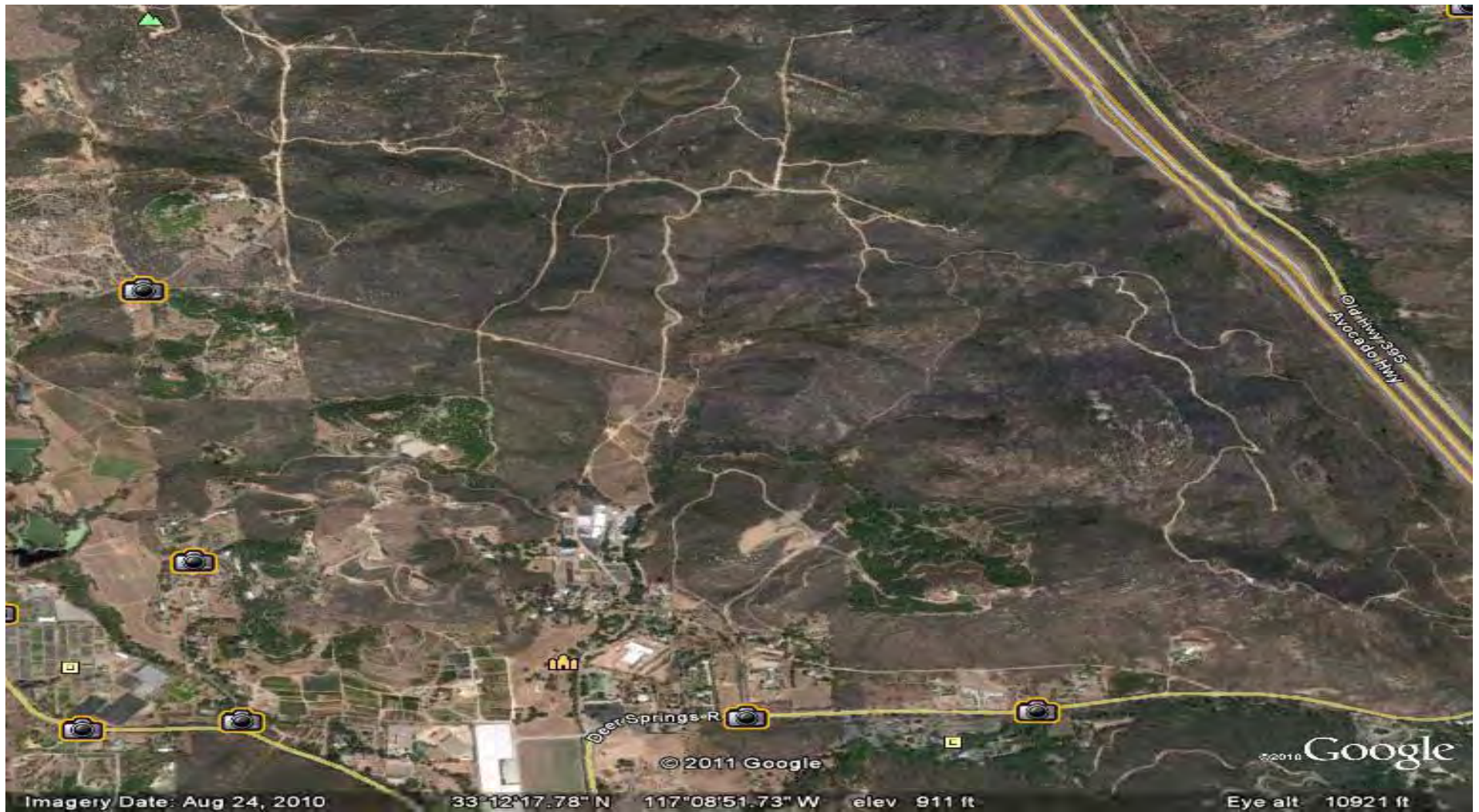
5/2010 Google

Imagery Date: Aug 24, 2010

32°52'53.37" N 116°59'10.31" W elev 675 ft

Eye alt 5409 ft

Eagles Nest



Hours spent on Missions

- Feb 2010 20 hours
- March 2010 70 hours
- May 2010. 93.5 hours
- June 2010. 136 hours
- July 2010. 138 hours
- Aug 2010. 80 hours

Hours Cont:

- Sept 2010. 81.5 hours
- Oct 2010. 98 hours
- Nov 2010 53 hours
- Feb 2011 70 hours

» 840 total not including my admin time

Hot Spots

- Otay Mesa
- Eagles Nest

Calls For Service



San Diego Sheriff's Department

Calls for Service / Specified Beats

Off Road Vehicle Report

Month *Year* Year *2010*

Area	CAMPO SUBSTATION	Entry Date	2010/06/06
Address	20550 BEXLEY RD		
CallerName	CORAL TUITT	CallType/Dispo	
CallerNumber:	(619) 468-686	OFF ROAD VEHICLE / WILL COOPERA	
Beat:	877		
Area	CITY OF VISTA	Entry Date	2010/02/16
Address	00617 ALIENTO CT		
CallerName	ROBERT MCKEON	CallType/Dispo	
CallerNumber:	(760) 716-134	OFF ROAD VEHICLE / GONE ON ARRI	
Beat:	312		
Area	SAN MARCOS UNINC	Entry Date	2010/05/28
Address	28300 LAWRENCE WELK CT		
CallerName		CallType/Dispo	
CallerNumber:		OFF ROAD VEHICLE / ARREST MISDE	
Beat:	326		
Area	SAN MARCOS UNINC	Entry Date	2010/05/02
Address	28300 LAWRENCE WELK CT		
CallerName		CallType/Dispo	
CallerNumber:		OFF ROAD VEHICLE / CHECKS OK	
Beat:	326		
Area	SANTEE UNINC	Entry Date	2010/03/23
Address	11644 OAK CREEK DR		
CallerName	WILLIAM GRACEY	CallType/Dispo	
CallerNumber:	(619) 561-214	OFF ROAD VEHICLE / GONE ON ARRI	
Beat:	521		

Tickets Issued

- Feb 2010 2 cites
- March 2010 10 cites
- May 2010 8 cites
- June 2010 11 cites
- July 2010 7 cites

Tickets Cont:

- Aug 2010 6 cites
- Sept 2010 8 cites
- Oct 2010 13 cites
- Nov 2010 1 cite
- Feb 2011 9 cites

Issues and Effectiveness

- Signage
- Times
- Days
- Cites
- Warnings
- Education

Improvements

- Signage
- More time
- Courts understanding our role

Overall Recommendations

- Continue patrols of the areas
- Identify more areas in the county
- Contact property owners for proper signage
- Use more deputies for patrol on weekends that ORET is unable to work