San Diego Management & Monitoring Program

Use of Cameras to Achieve Goals and Objectives

October 30, 2018

Trish Smith, The Nature Conservancy



San Diego Management & Monitoring Program

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Applying science to conservation through collaboration

The SDMMP's mission is to coordinate science-based biological management and monitoring of lands in San Dieg that have been conserved through various conservation planning and mitigation efforts.

MSP Portal

Management & Monitoring Strategic Plan: Goals, Objectives & Actions

The Management & Monitoring Strategic Plan provides goals, objectives and actions for species, vegetation communities, and threats/stressors. Use the MSP Portal to search this information spatially, by keywords, or by progress/status.

Enter portal

Projects

Project Profiles & Associated Reports, Data, and Maps

Numerous management and monitoring efforts are taking place across the South Coast Ecoregion. Search Projects to obtain more information on these efforts and view and download associated project reports, data, and maps.

Q View projects

Maps

Advanced GIS Viewer

Create maps using an advanced online ArcGIS software program which displays a specific set of spatial layers that allows users to access tools to investigate the layers interactively. SDMMP has numerous spatial layers available for users.



Library

Reports & Other Documents

Hundreds of reports and documents e that describe conservation efforts in Sc Diego County and the region, and the plants and animals of conservation concern. Search the library to view and download documents.

Browse library



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https://sdmmp.com

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Access viewer

Library

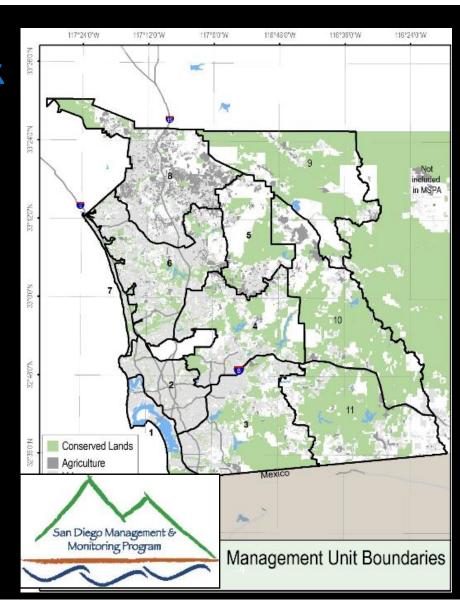
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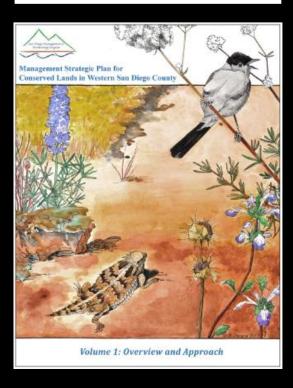
San Diego Management & Monitoring Program

- 11 Management Units
- 3 NCCP Areas Plus PUD Lands
- Willing partners on Conserved Lands

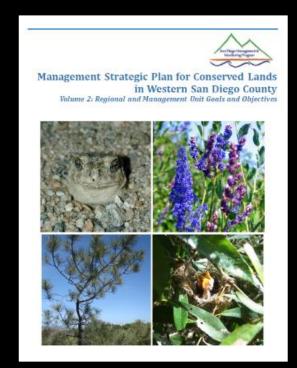


Management Strategic Plan (MSP)

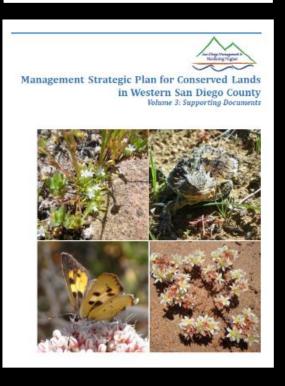
Vol 1: Overview and Approach



Vol 2: Goals and Objectives



Vol 3: Supporting Documents



MSP Goals and Objectives

111 Species

7 Vegetation Communities

11 Threats



Altered Fire Regime	Loss of Connectivity
Altered Hydrology	Parasitism/disease
Climate Change	Pesticides
Herbivory/Predation	Energy facilities
Human Use	Urban development
Invasive Species	

Threat Monitoring

Natural Disturbance

Fire

Floods

Drought







- Natural Disturbance
- Invasive Species





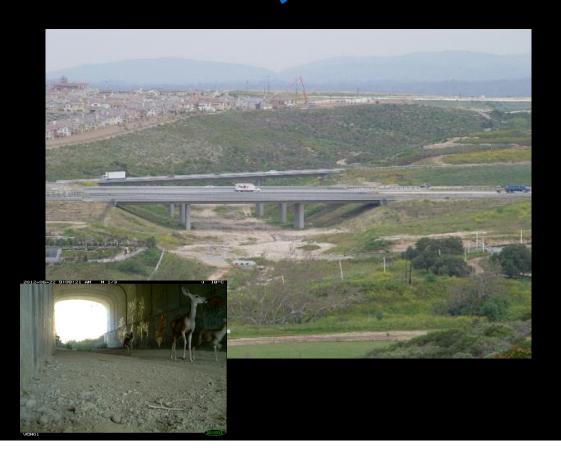
- Natural Disturbance
- Invasive Species
- Diseases and Pests



- Natural Disturbance
- Invasive Species
- Diseases and Pests
- Predation



- Natural Disturbance
- Invasive Species
- Diseases and Pests
- Predation
- Habitat fragmentation



- Natural Disturbance
- Invasive Species
- Diseases and Pests
- Predation
- > Habitat fragmentation
- Human Use/Recreation









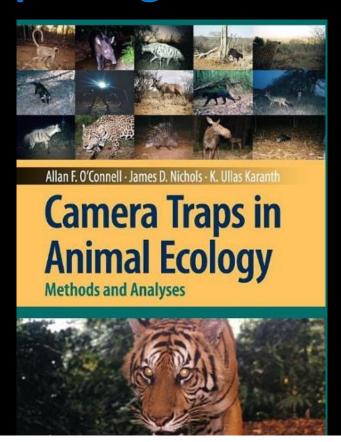
Species/Habitat Monitoring

- Predator/prey relationships
- Track species that are costly or difficult to monitor
- Function of identified wildlife corridors
- Trends and possible drivers of biological diversity



Broader Implications and Opportunities of a Regional Camera Traps Program

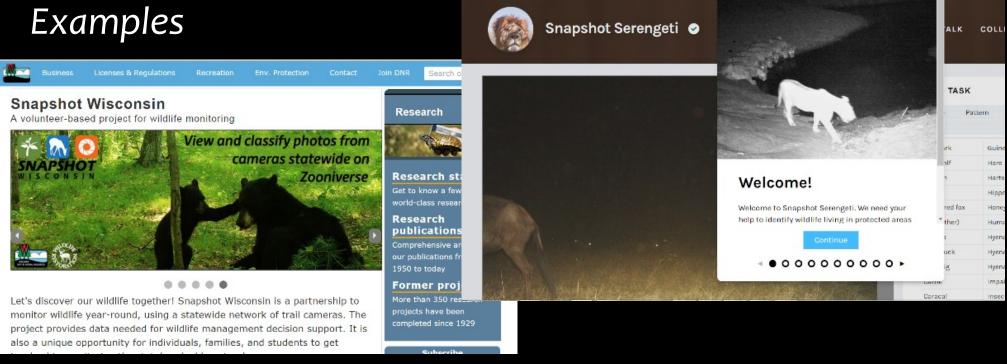
▶ 20,000 Camera Traps
Deployed World-wide



Broader Implications and Opportunities of a Regional Camera Traps Program

ABOUT GET INVOLVED TALK BUILD A PROJECT NEWS

Many Region-based Examples



Broader Implications and Opportunities of a Regional Camera Traps Program

Citizen Science



Future Opportunities

- Regional/Southern California Camera Trap Network?
 - -track presence and movement of wide ranging species across plan areas
 - -Regional data exchange
 - -Help answer regional questions