



CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

Carlsbad Annual HMP Meeting
February 2018

Management and Monitoring Activities on
CDFW-owned Lands in 2017

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CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE

Mission Statement

To manage California's diverse fish, wildlife, and plant resources, and the habitats upon which they depend, for their ecological values and for their use and enjoyment by the public.


DEPARTMENT LANDS: www.wildlife.ca.gov/lands

California Department of
Fish and WildlifeLogin

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CDFW Lands



CDFW is responsible for over 1,100,000 acres of fish and wildlife habitat, managed through 749 properties throughout the state. These properties provide habitat for a rich diversity of fish, wildlife, and plant species and comprise habitats from every major ecosystem in the state. In addition, several private lands conservation programs assist landowners with the management of wetlands, riparian habitats, native grasslands and wildlife-friendly farmlands.

Places to Visit

- [Ecological Reserves and Wildlife Areas](#)
- Rules and Regulations
 - [Regulation Booklet \(PDF\)](#)
 - [Property-specific Regulations](#)
 - [Special Use Permit Form \(PDF\)](#)
- [Outdoor California Articles](#)
- Other State and Federal Lands
 - [State Parks](#)
 - [National Wildlife Refuges](#)

About CDFW Lands

- [Lands Inventory Fact Sheet](#)
- [CDFW Lands Viewer \(Interactive Map\)](#)

Land Management and Conservation

- [Land Management Planning](#)
- [Comprehensive Wetland Habitat Program \(CWHP\)](#)

Staff Directory

- [Lands Program Staff Directory](#)

WLB 9/2017

[Wildlife Branch - Lands Program](#)
1812 9th Street, Sacramento, CA 95811
(916) 445-0411

BASIC LAND STEWARDSHIP: HOMELESS ENCAMPMENTS

Batiquitos Lagoon Ecological Reserve



In 2017, CDFW staff cleaned-up:
3 encampments at Batiquitos Lagoon
4 at Buena Vista Creek ER

BASIC LAND STEWARDSHIP: HOMELESS ENCAMPMENTS



BASIC LAND STEWARDSHIP: HABITAT ENHANCEMENT



Agua Hedionda ER- Algerian sea lavender (*Limonium ramosissimum*)- enhanced 3 acres

COVERED SPECIES ON DEPARTMENT LANDS



Western snowy plover



Belding's savannah sparrow

California least tern



Ridgway's rail

Photo by Steve Smith



Thread-leaved brodiaea

COVERED SPECIES ON DEPARTMENT LANDS-CALIFORNIA GNATCATCHER



Photo by Alexandra Houston



Photo by Kris Preston



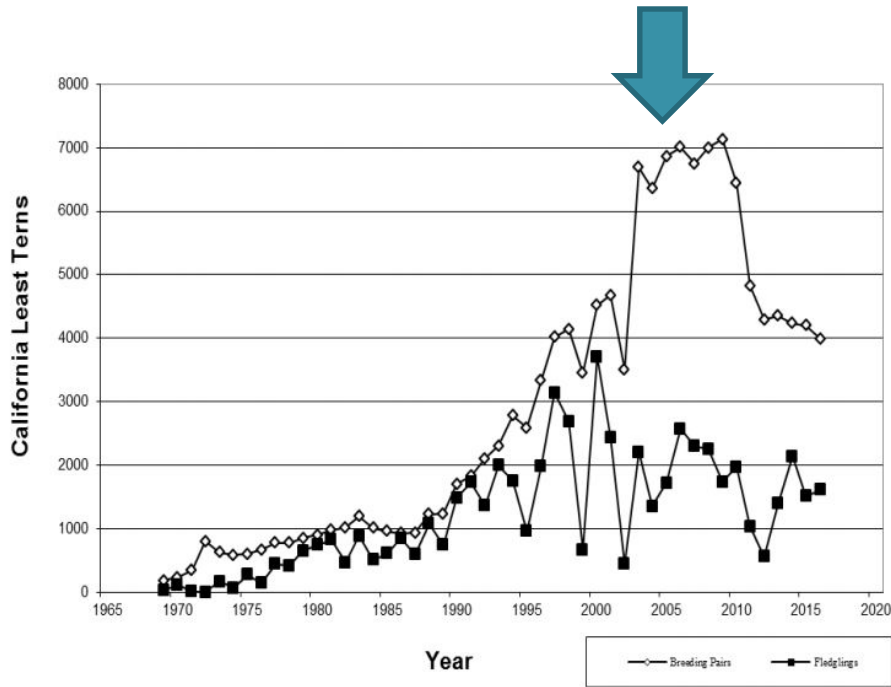
LEAST TERN SITE PREP



LEAST TERN MONITORING



CALIFORNIA LEAST TERN DATA

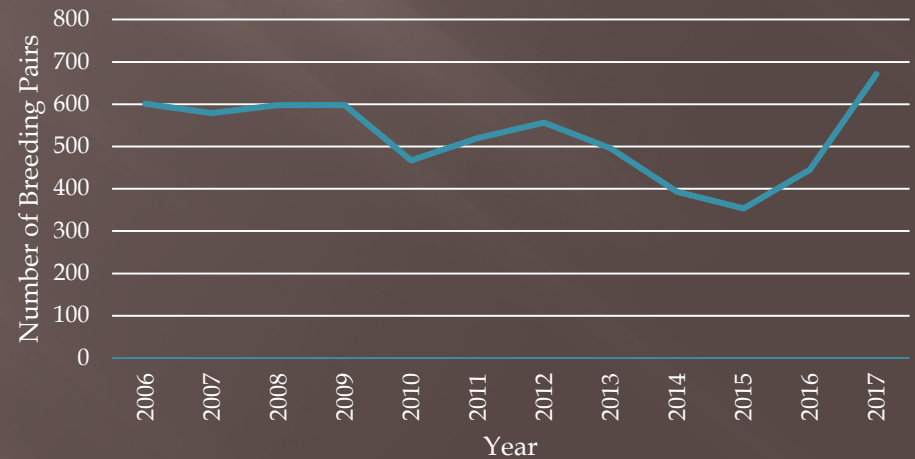


Data taken from Frost 2016



Photo by Mark B. Bartosik

Batiquitos Lagoon ER



RIDGWAY'S RAIL DATA

CDFW Lands

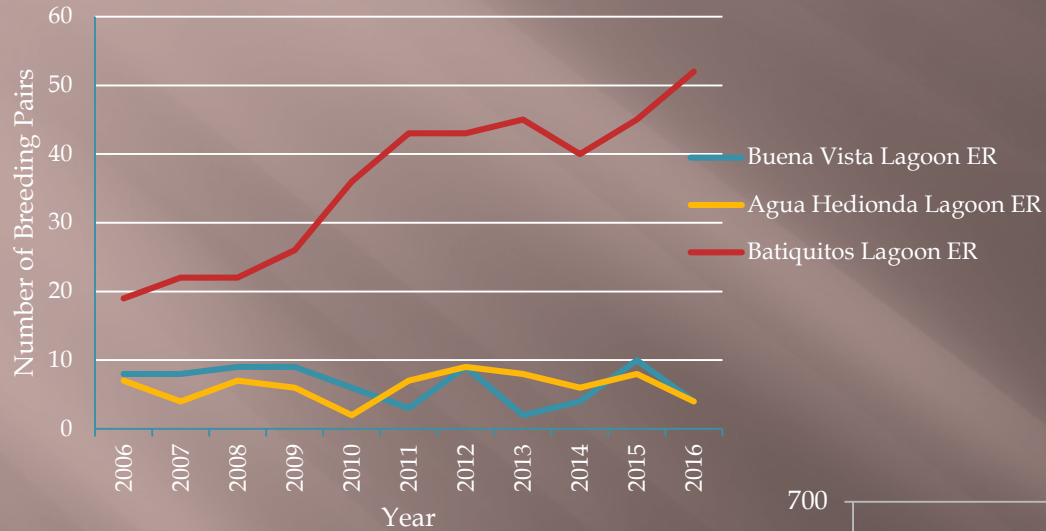


Photo by Steve Smith

Range-wide Trend



REGIONAL RARE PLANT MONITORING-IMG

Carlsbad Highlands ER



Brodiaea filifolia

2016 - 44 flowering plants

2017 - 216 flowering plants

Threats: unauthorized access/trails, nonnative annual grasses



REGIONAL RARE PLANT MONITORING-IMG

Buena Vista Creek ER

2016



2017



Brodiaea filifolia

2016 - 78 flowering plants

2017 - 108 flowering plants

Threats: Nonnative annual grasses and forbs



REGIONAL RARE PLANT MONITORING-IMG

1-acre Preserve (0.33 acre extent)



Brodiaea filifolia

2016-based on a count of 835 flowering individuals, we estimated 3,444

2017-based on a count of 4,163 flowering individuals, we estimated 18,230

Threats: Nonnative annual grasses and forbs

RARE PLANT MONITORING: INDEX PLOTS



REGIONAL RARE PLANT MONITORING-IMG

2016



Batiquitos Lagoon ER

2017



Acmispon prostratus - Nuttall's lotus

Since 1997, W2 remains virtually unchanged from year-to-year due to annual weed management for CA least tern nesting. Site is also fenced.

REGIONAL RARE PLANT MONITORING-IMG



Results:	<u>2015</u>	<u>2016</u>	<u>2017</u>
Plot (#)	16	0	4
Max Extent (#)	63	73	17 (+250 seedlings)
Max Extent (m ²)	163.4	2,614.30	2,416

QUESTIONS?



2016 Department Batiquitos site prep crew