

Information & Mapping in the Public Interest



Dan Rademacher Executive Director dan@greeninfo.org www.greeninfo.org



Roadmap

- GreenInfo basics
 Design/communication
- How we approach cartography
- Interactive work
- Public Data
- Q&A



GreenInfo Network

- Largest dedicated nonprofit
 GIS support group in U.S.
- 20 years, 800 organizations
- 12 staff, 20-30 projects at a time
- Extensive experience with land trusts, conservation, protected areas data



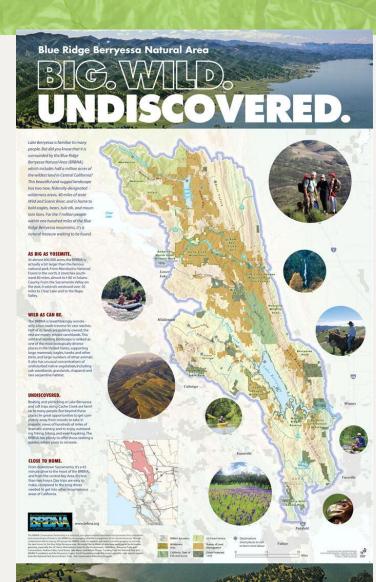


GreenInfo Network Mission

Bring the power of <u>mapping</u>, <u>information and communications</u> technology...

to non-profits, public agencies and other <u>public interest</u> organizations...

to help them understand and show the relationships between <u>issues, people</u> and places.



Who We Serve



 <u>Conservation</u>: land trusts, public agencies, advocacy organizations, foundations

Acquiring land, protecting wilderness, biodiversity, guarding rivers, restoring resources

 <u>Environment</u>: policy and advocacy groups – local, state, national

Fighting sprawl, encouraging sound development, achieving social justice

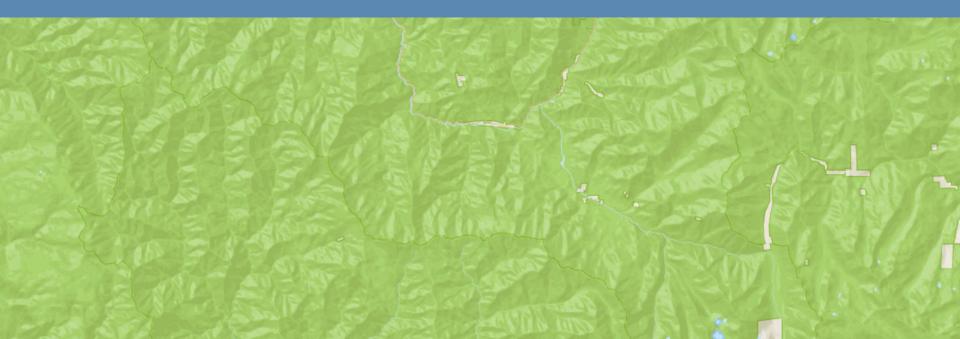
 <u>Social well being</u>: research organizations, service providers, public agencies, foundations
 Child care, housing opportunities, voting rights, access to services





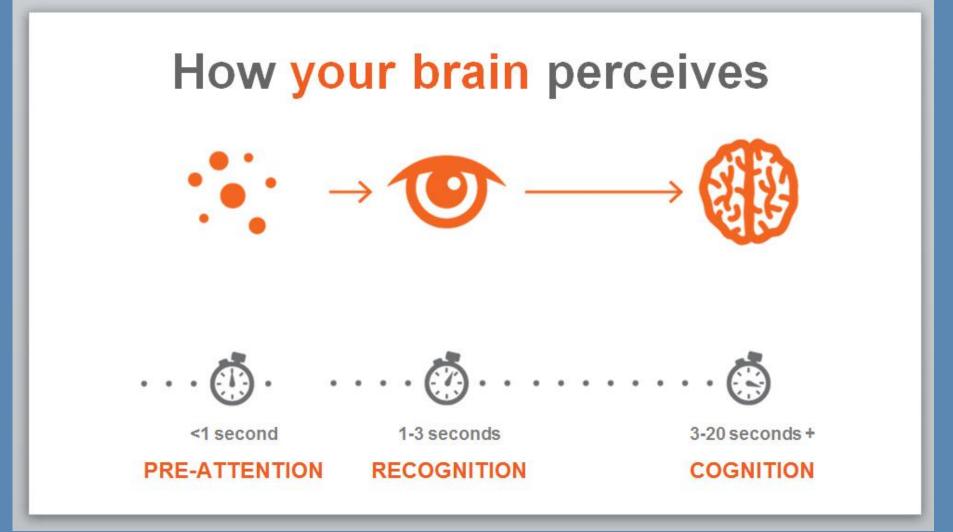


Design and Communication

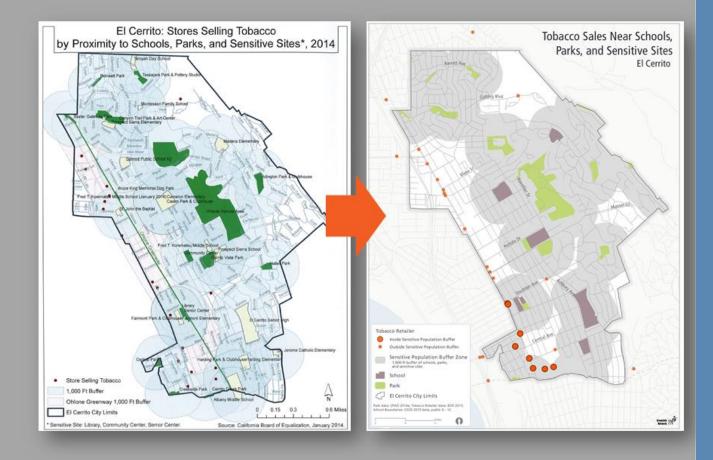




- **1.** Focus on message and goals
- 2. User-focus, unfold story in layers
- 3. Frames GIS, maps, reports, websites, etc.



Undefined message



Meeting the Park Needs of All Californians 2015 Statewide Comprehensive Outdoor Recreation Plan



California's 150-year park legacy created one of the world's greatest systems, with nearly 1,000 agencies managing 14,000 parks. This plan provides pathways to continue the legacy throughout California.

V Sharing Success Stories

The ability to respond to the public need for parks will depend, in part, on available financial resources and the ability to effectively share federal, state, and local resources. Although scarce financial resources pose significant challenges, sharing knowledge can benefit everyone.

This SCORP proposes that the network of parks agencies

Water and energy conservation and advocates in California share their greatest achievements and solutions through the establishment of a special clearinghouse. The clearinghouse will foster understanding and the application of successful practices in these key areas

 Recreational programs Other success stories

The following pages illustrate how sharing stories can help agencies find solutions to challenges facing parks in California.





"Children had no place to play. Parents were fined if children played in apartment courtyards, and the school closed the gates after school and on weekends.

We started selling tamales ten years ago to have a park here. The community is very grateful for this park."

Left to Right: Rosalia Varias, Irma Rivera, and Revna Artero | Statewide Park Program \$3.5 million grant to Latino Health Access in Santa Ana



Community Based Planning

Getting meaningful engagement from park users at the start of park planning is a key to community based planning, Residents who live and work in a community nderstand their park and recreation needs. Projects designed with honest community input yield more accessful, practical, safe, popular parks that become a source of community pride. A plan created with residents in the community generates institutional memory allowing good plans to endure and evolve. OGALS' recent Prop. 84 competitive grant program also showed that requiring robust community engagement establishes

The California Parks "Success Stories" Clearinghouse

Success stories are powerful motivators for learning the most effective way to maximize park resources. The California Department of Parks and Recreation is establishing the California Parks "Success Stories" Clearinghouse, and invites all park agencies and organizations to contribute stories. Here's what to do:

responsibilities

Pogo Park - "We drilled capital moni-

down, into the community, to hire and

local residents to design and build the

themselves. Our motto is to lift up the

people at the same time you lift up th

place. And it worked. This public proje

was a magnet that brought out all the

goodness and talents of the neighborh

Pogo Park Team – Standing left to right: Davida Guadalupe r Karina Guadalupe: Seated left to right: Traine Lee and Toody M Statwide Park Program 13 or milling part to GPr of Statwide with Elm Play Lot Park, neighborhood residents performed the outbrack, design, construction, and now maintenance phase w thooght skill, and care.

dear expectations and leads to better projects that

Operations and Maintenance

Park agencies have used a variety of strategies to

supplement limited resources, such as fundraisers

partnerships with sports leagues and non-profit organizations, "adopt-a-park", and weekend clean-u

programs. Success stories can include strategies for

maximizing existing parks, reusing school facilities,

and recruiting volunteers to assist with on-going

most responsive to community needs

that are so often hidden."

and a second page of one or more good quality photos, save as one or two PDF documents.

Success stories will be featured at www.parks.ca.gov/SCORP - learn more about submitting success stories on this site.

22 Meeting the Park Needs of All Californians 2015 Statewide Comprehensive Outdoor Recreation Plan

Park Access Tool

Park Acres per 1,000 Residents

Uses: This tool screens for areas that may not meet state recommended standard of 3 park acres per 1,000 residents. Users can evaluate park need areas in every jurisdiction of the state. This web tool provides choices of city, county, legislative districts, etc.

Method: Evaluates census tracts for park acres per 1.000 residents.

Metrics for area of analysis shown: Population: 1.1 million Park acres: 1,950 Park acres per 1,000: 1.8

Acres per 1,000 population, by census tract



Neighborhood Areas with No Parks

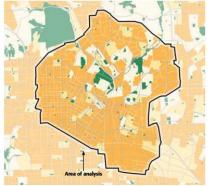
Uses: This tool focuses on areas that lack nearby parks and can be used to guide future park planning.

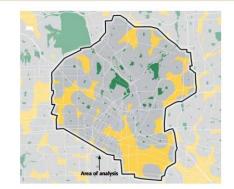
Method: Defines a half mile radius around all parks in state to determine park area availability.

Metrics for area of analysis shown:

16.6[%] of residents live without any park within .5 miles

Parks within 1/2 mile? no





Meeting the Park Needs of All Californians 2015 Statewide Comprehensive Outdoor Recreation Plan | 17

1. Create a one page description of your success story 2. Email this document to scorp@parks.ca.gov, with

"(your agency) Success Story" in the subject line. You can send more than one at a time.

Meeting the Park Needs of All Californians 2015 Statewide Comprehensive Outdoor Recreation Plan | 21

Park Access Tool

Park Acres per 1,000 Residents

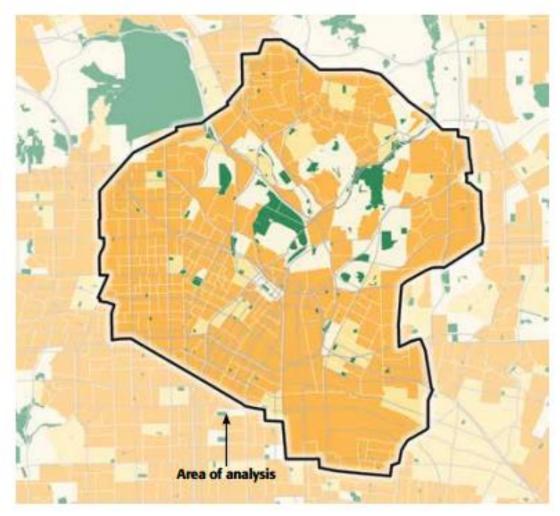
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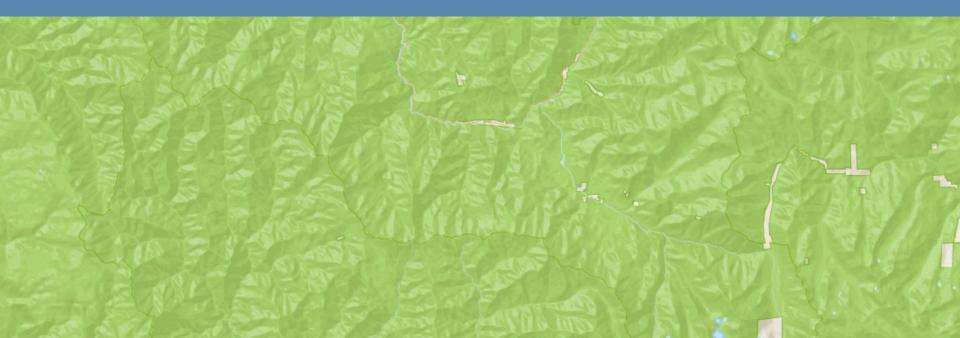
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Acres per 1,000 population, by census tract







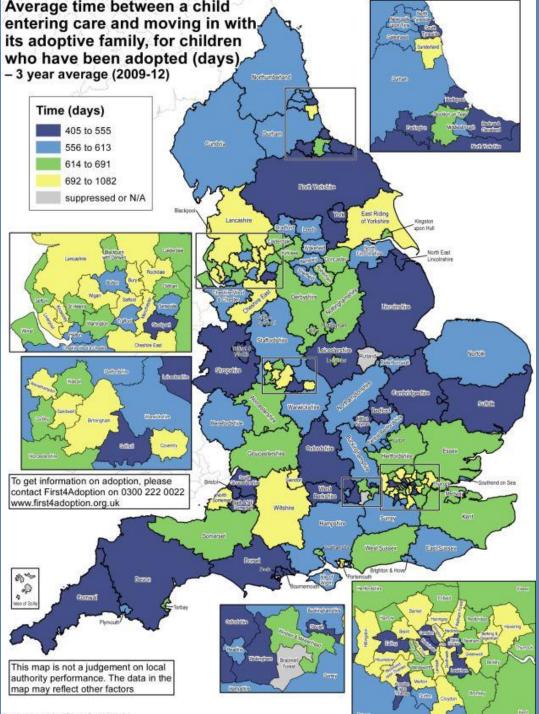






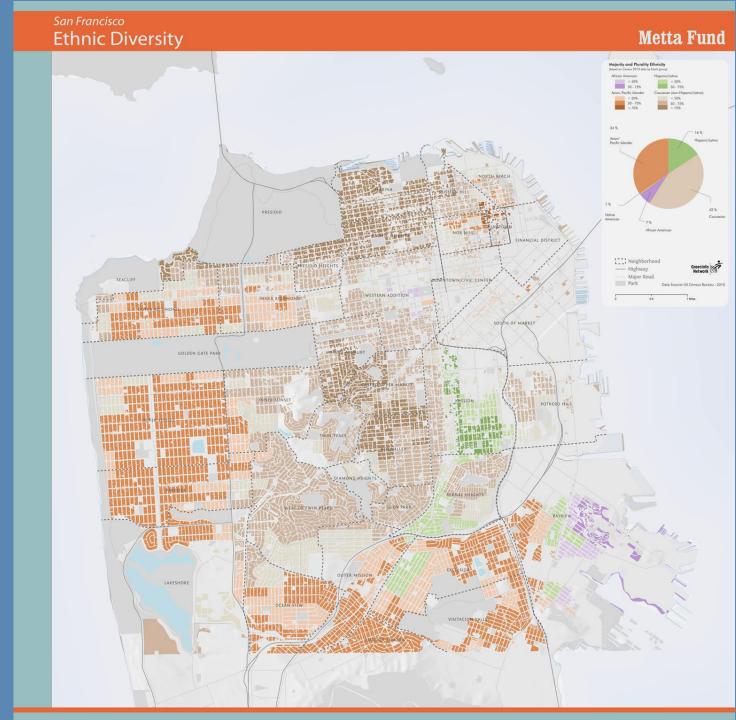
- 1. Refined design approaches
- 2. Custom, client-driven projects
- 3. Wide range of topics and messages

This?

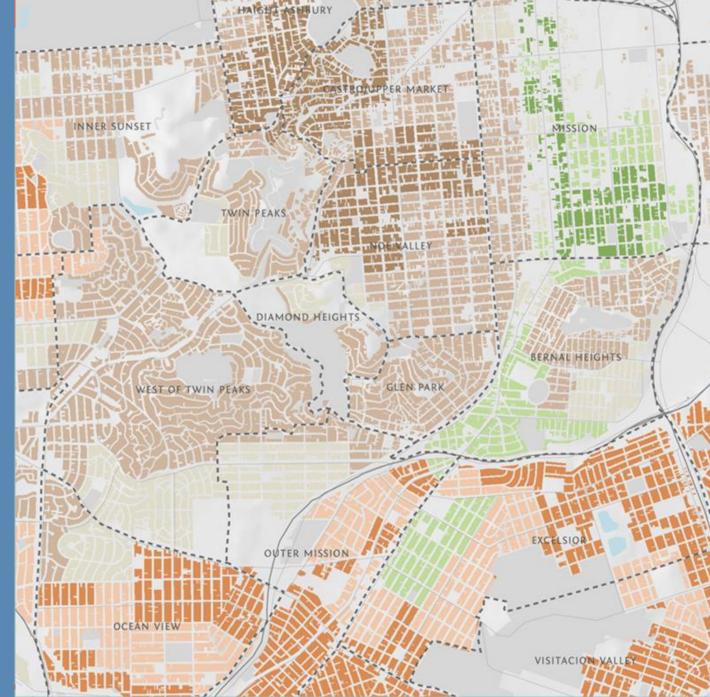


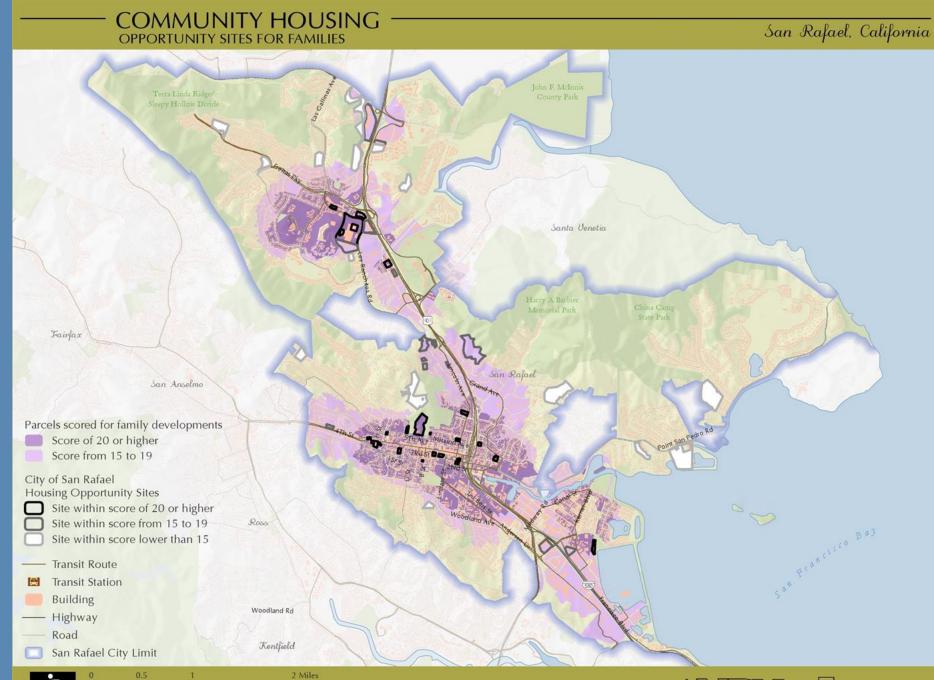
reproduced by permission of Ordnance Survey on behalf of

Or this?



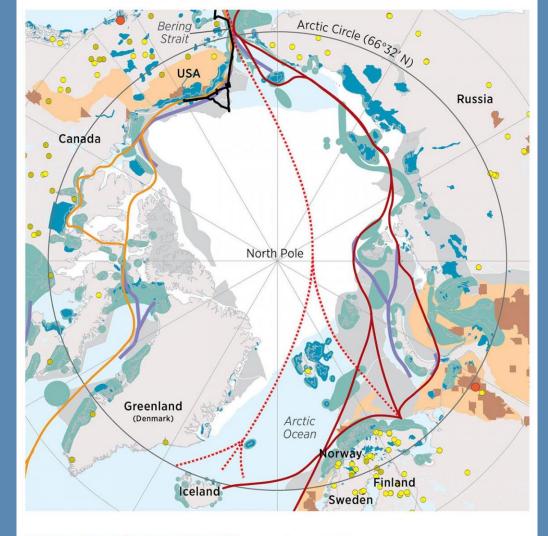
Or this?





Greeninfo

Santa Venetia Harry A Barbier Memorial Park Fairfax San Rafael San Anselmo Parcels scored for family developments Score of 20 or higher Score from 15 to 19 City of San Rafael Housing Opportunity Sites Site within score of 20 or higher Woodland Ave Site within score from 15 to 19 Ross Site within score lower than 15 Transit Route **Transit Station** Building Woodland Rd Highway Road Kentfield San Rafael City Limit



THERE GOES THE NEIGHBORHOOD

As the melting Arctic opens for business, industry is increasingly encroaching on critical habitats. Here's a look at the places where wildlife and humans are colliding.

---- Route of the USCGC Healy, July 2015

Critical Bird and Mammal Habitat

- Audubon and BirdLife International Circumpolar Global Important Bird Areas/Alaska State and Continental IBAs
 Areas identified as being of heightened ecological significance to birds by the Arctic Monitoring and Assessment Programme and the Institute of Marine Research
- Marine mammal migration corridors

Human Activity

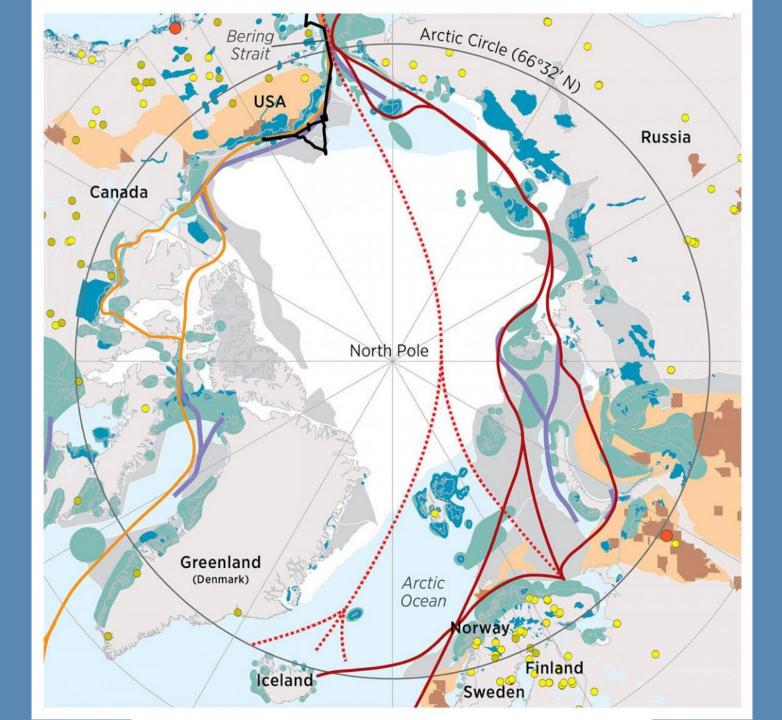
- Shipping
- Northern Sea Route
 Northwest Passage*
- Potential trans-Arctic route
- Oil and Gas

Production areas

- Petroleum basins/provinces in which production is occurring
- Major oil spills
- Areas with a 50% or greater chance of holding significant reserves of undiscovered oil and gas

Mineral Mining

- Producing mines
- Potential mines in exploration/development
- *(First full transit by an unescorted cargo ship occurred in 2014.)









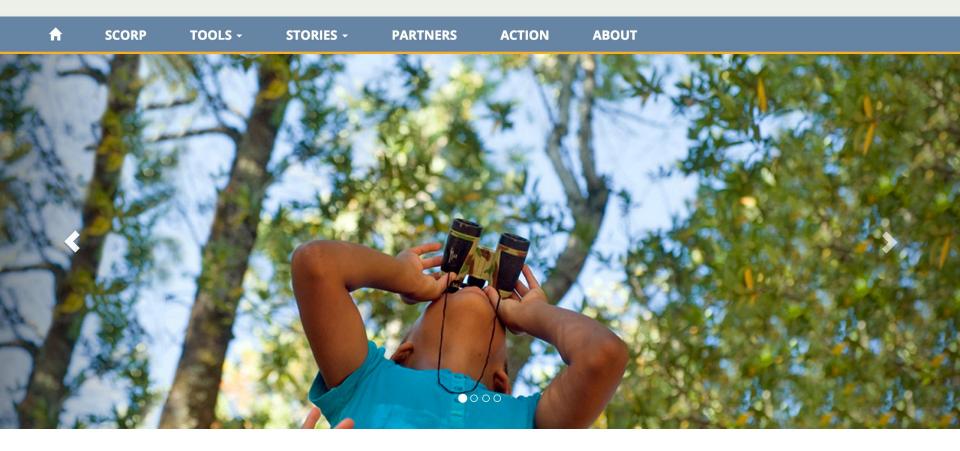


- **1.** Open source stack
- 2. User first, not data first
- 3. Mobile responsive as much as possible
- 4. Frequently combine web and print



< back to parks.ca.gov

Resources for meeting California's park and recreation needs



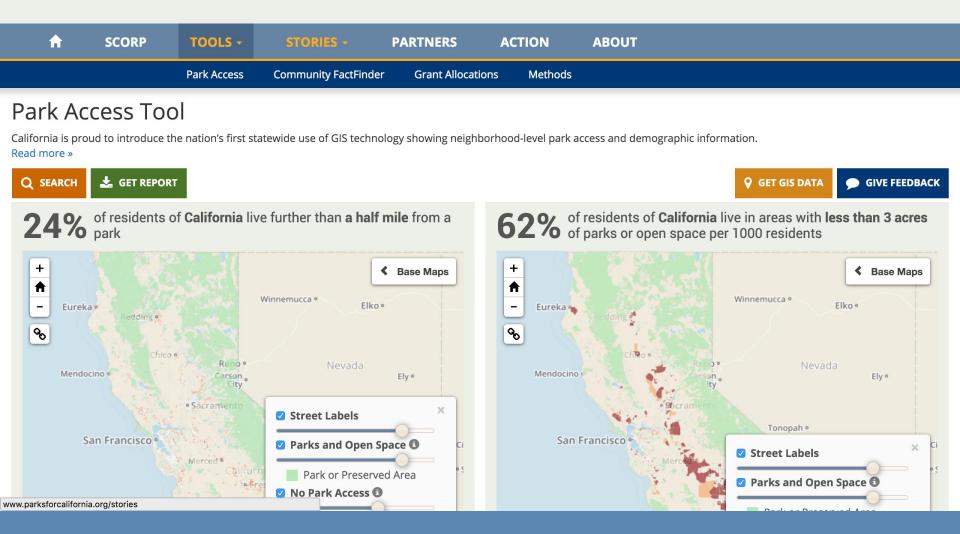
California's 150-year park legacy created one of the world's greatest park systems with nearly 1,000 agencies

www.parksforcalifornia.org/#scorp-carousel



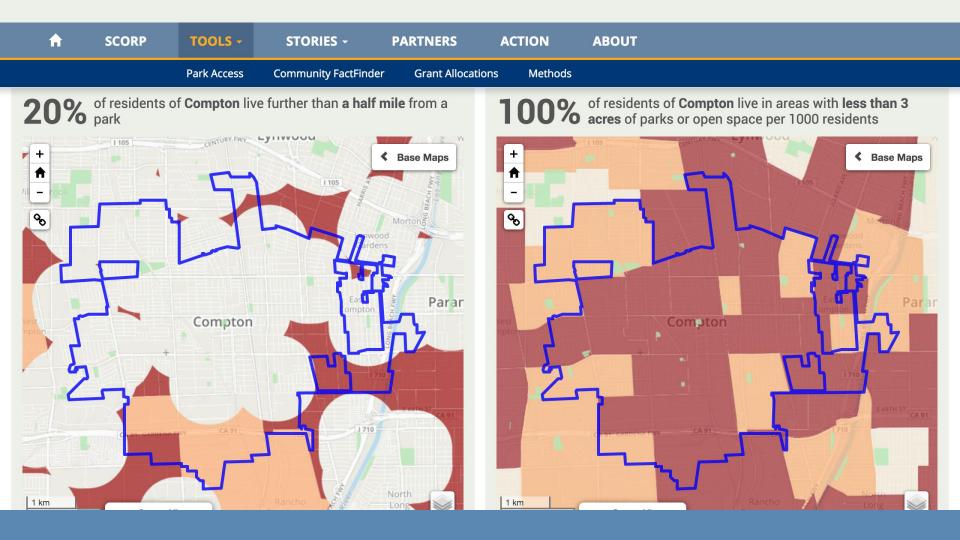
Source A state of the state

Resources for meeting California's park and recreation needs





Resources for meeting California's park and recreation needs



k back to parks.ca.gov



Resources for meeting California's park and recreation needs

A	SCORP	TOOLS -	STORIES -	PARTNERS	ACTION	ABOUT		
		Park Access	Community FactFinder	Grant Allocatior	ns Methods			
+ • - °o	NW		KAUM	Base Maps	Community Click the pin, OR enter an address Enter an address,	then select an area below and click G	a on the map . o!	▲ GET REPORT Go!
W COMPTON BLV	ILMINGTON AVE	Comp ton	E PAMER ST	N BULLIS RD	Results for Com Latitude, longitude Total Population Youth Population		Los Angeles) 33.8952789, -118.22432 10,715 3,963	271 O
Compton / Woodley Airpo W CALDWE W GREENLEA 500 m 2000 ft	WILMINGTON AVE	REENLEAF BLVD	S E AVRH ST	E MYRH ST	Senior Population Median Household Per Capita Income People in Poverty Households withou Parks total area Parks per 1000 peo	ut Access to a Car	623 \$36,161 \$12,311 3,595	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

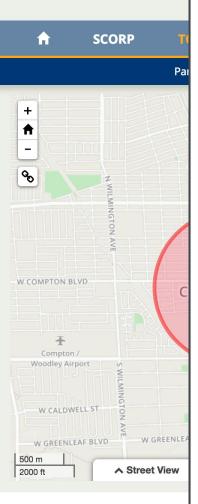
k back to parks.ca.gov

California State Parks Community FactFinder Report

Project ID: 847 Coordinates: 33.8952, -118.2243 Date: 11/27/2016

Par

Resource

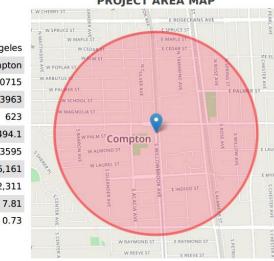


This is your SCORP project report for the site you have defined. Please refer to your Project ID above in any future communications about the project.

PROJECT AREA STATISTICS

PROJECT AREA MAP

County:	Los Angeles	e e
City:	Compton	EN AVE
Total Population:	10715	w
Youth Population:	3963	
Senior Population:	623	
Households Without Access to a Car:	494.1	
Number of People in Poverty:	3595	554
Median Household Income:	\$36,161	1 Car
Per Capita Income:	\$12,311	
Park Acres:	7.81	
Park Acres per 1,000 Residents:	0.73	



REPORT BACKGROUND

The project statistics have been calculated based on half mile radius around the point location selected. Only park acres within the project area's half mile radius are reported.

Population and people in poverty are calculated by determining the percent of any census block groups that intersect with the project area. The project area is then assigned the sum of all the census block group portions. An equal distribution in census block groups is assumed. Rural areas are calculated at a census block level to improve results.

Median household and per capita income are calculated as a weighted average of the census block group values that fall within the project area.

SCORP Community FactFinder is a service of the California Department of Parks and Recreation www.parks.ca.gov

More information on the calculations is available on the methods page »

Demographics—American Community Survey (ACS) 5-year estimates 2008-2012; Decennial 2010 Census; the margin of error (MOE) was not analyzed.

Parks—California Protected Areas Database 2014b CFF adjusted (11/2014) - more information at http://www.CALands.org. Parks and park acres area based on best available source information but may not always contain exact boundaries or all parks in specific locations. Parks are defined further in the 2015 SCORP (pg. 4).

Users can send updated information on parks to SCORP@parks.ca.gov

> SCORP Community FactFinder GreenInfo with CA Dept. of Parks and Recreation Network www.greeninfo.org



Created by GreenInfo Network in consultation

www.climatebenefits.org

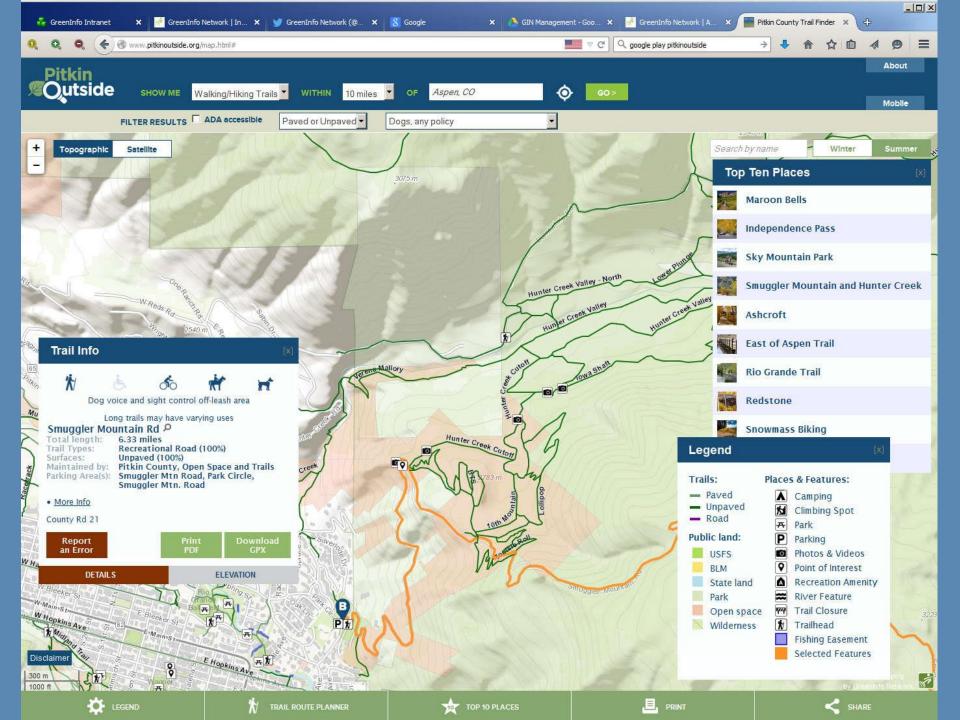
CLIMATE BENEFITS FOR CALIFORNIA BETA

Find out how California's climate investment program is making communities more healthy, sustainable, and fair

Q. Enter a keyword or project name	FILTER Program, Geography, Year - SEARCH
PROGRAM FILTERS Select one or more program names as a search filter SELECT ALL	GEOGRAPHY FILTERS Show all projects C Show projects completely within selected area Region County US Congressional District State Senate District State Assembly District CLEAR
Select programs	Select region *
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Get report 🛓 Share 🎓	MAP TABLE
Transportation and Sustainable Communities Clean Energy and Energy Efficiency Natural Resource	es and Waste Diversion
Show 10 💌 entries Project Amount 🔶 Location	GHG Reduction in Transit Bike or Pedestrian Reduction Yehicle-Miles Ridership Improvements
127th Street Apartments Image Affordable Housing and S1,500,000 Los Angeles Meta Housing Corporation Sustainable Sustainable Communities Program Fordable housing opportunity will Communities Program Fordable housing opport and S1,500,000 Los Angeles Sustainable Sustainable </td <td>18,142 TBD TBD yes</td>	18,142 TBD TBD yes

www.climatebenefits.org



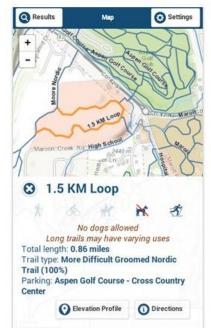


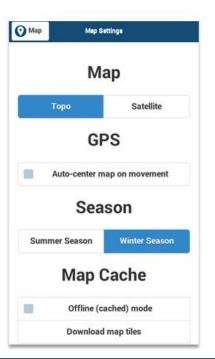




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🛇 All Ski Tra	ils	
🛇 Dogs, Any	Policy	
Must be	ADA accessible	
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Rio Grande		867 ft NE
Oklahoma Flat	ts	0.2 mi E
Post Office		0.2 mi N
Rio Grande Co	nnector	0.3 mi NW
Alps Trail		0.3 mi S
Ute Ave		0.3 mi S



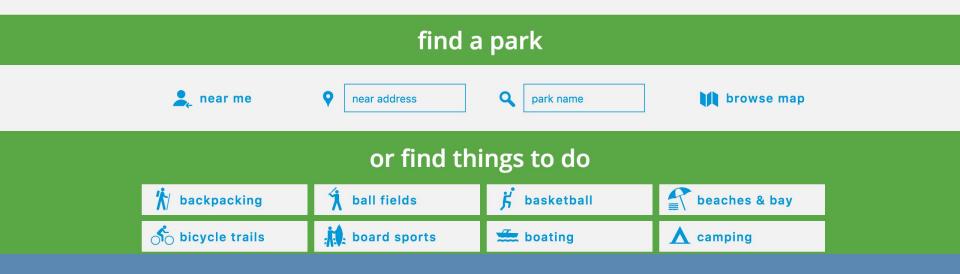




SAN DIEGO OUTSIDE BETA



Search for parks, hiking, sports, and more.



SAN DIEGO OUTSIDE BETE



Search for parks, hiking, sports, and more.

find a park



near address

park name

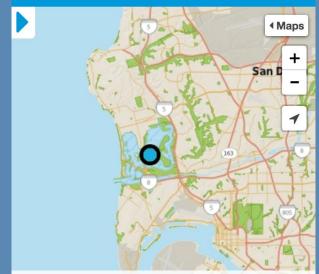
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browse map

or find things to do

🖒 backpacking

SAN DIEGO OUTSIDE BETE



Mission Bay Park

Activities: Hiking, Bicycle Trails, Swimming, Fishing, Kayak/Canoe, Boating, Wildlife Viewing, Camping, Dog Park, Ball Fields, Basketball, Picnic/BBQ, Tennis, Playground

3,908 acres

Park managed by San Diego, City of



X

www.mapcollaborator.org

CPAD Edition

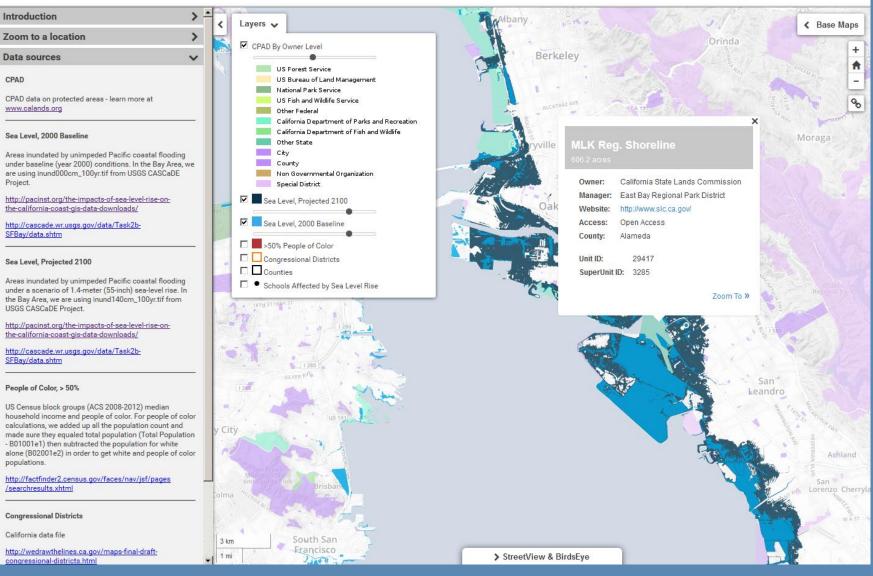
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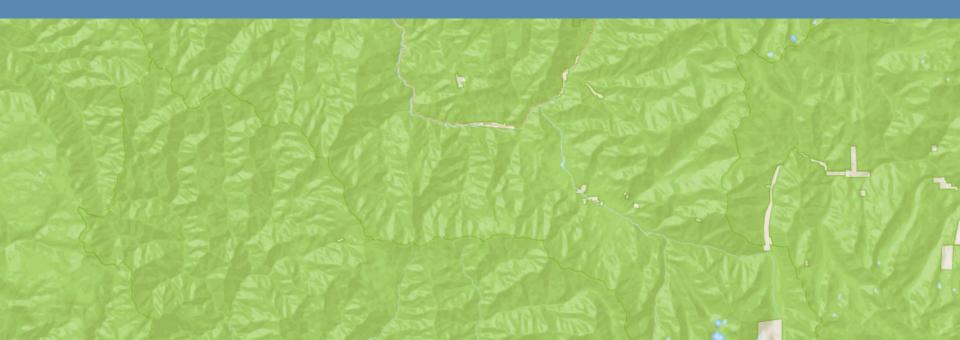
www.mapcollaborator.org

Demonstration Viewer

MapCollaborator Viewer









- **1.** California Protected Areas Database
- 2. California Conservation Easements Database
- **3.** California Schools Campus Database
- 4. Key partner on Protected Areas Database of the United States

CALands.org



California Protected Areas Data Portal

CPAD CCED REVISE RESOURCES NEWS ABOUT

.

ti de da de de la conservation easements for wildlife, ranching and open space uses.



2014 GreenInfo Network

DATA MAP REVISE USES RESOURCES NEWS ABOUT

This portal contains protected areas GIS data

for California, including the California Protected Areas Database (CPAD - fee owned lands) and the California Conservation Easement Database (CCED).

> Learn more

ABOUT

WHAT'S NEW

- First CCED Release (3/14), plus reports
- > New CPAD Release (3/14)
- Sign up for March & April Webinars
- > Tell us what you want, take CPAD survey

STATS AND MAPS

- CPAD 49 million acres, 1,000 agencies/orgs
- CCED 1.5 million acres, 93 agencies/orgs

Protected areas data on this site is maintained by GreenInfo Network, a nonprofit organization that supports public interest groups and agencies with a wide range of GIS and related

> Explore CPAD map

GreenInfo

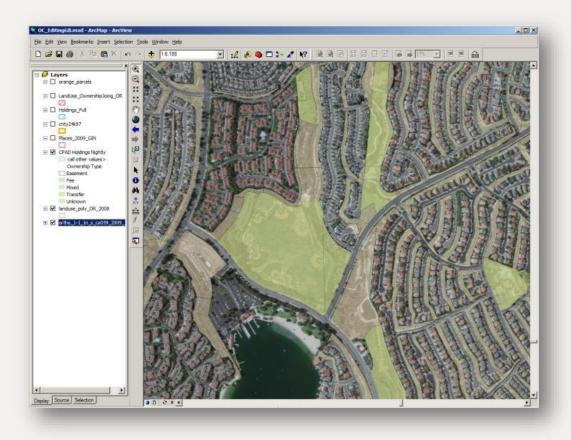
technology.

> Find recreation with ParkInfo.org



The Database

- GIS data
- 49+ million acres
- 14,000 parks
- v. 2016b (Dec. 2016)
- www.calands.org



What's in the Inventory

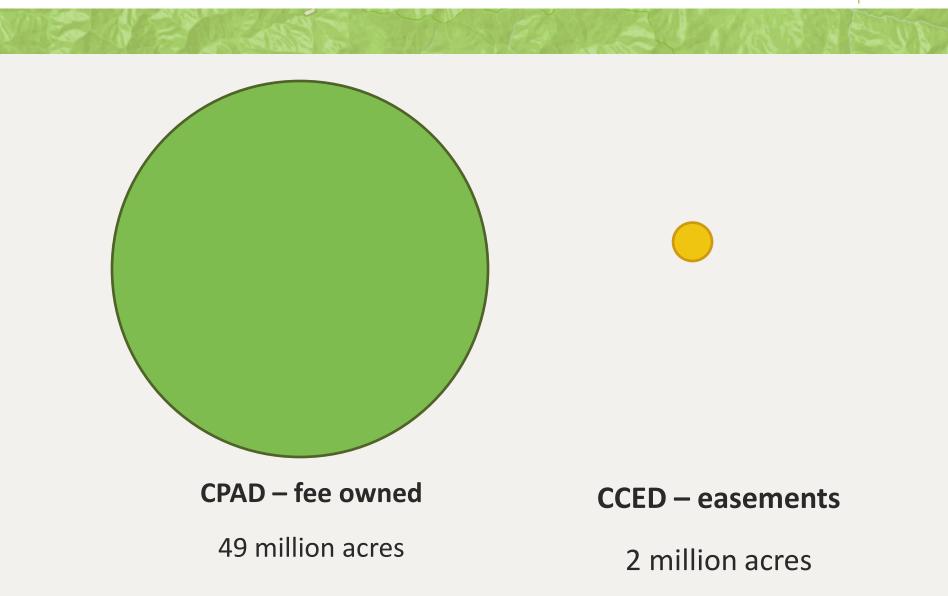


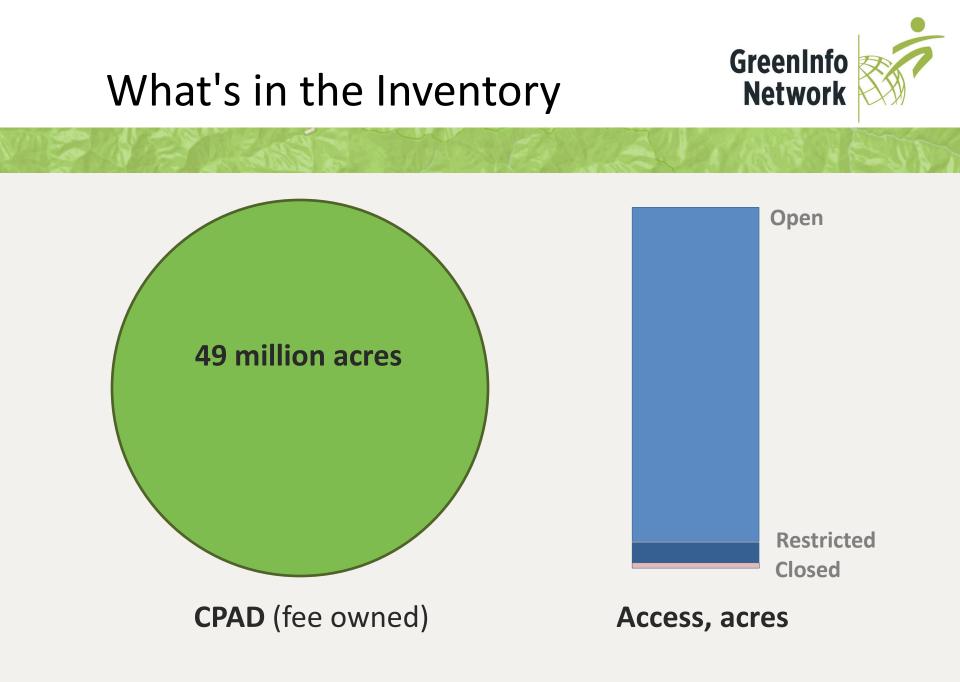
1,000+ Agencies





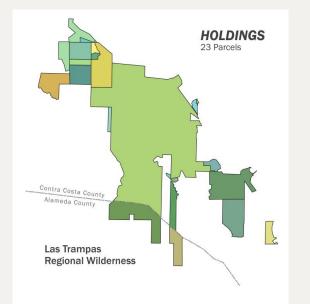
What's in the Inventory



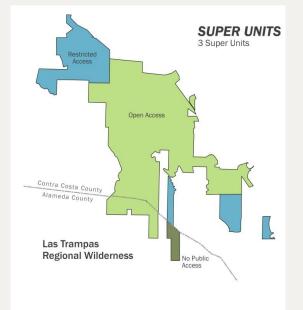


How CPAD is structured











Information and Mapping in the Public Interest

www.greeninfo.org