



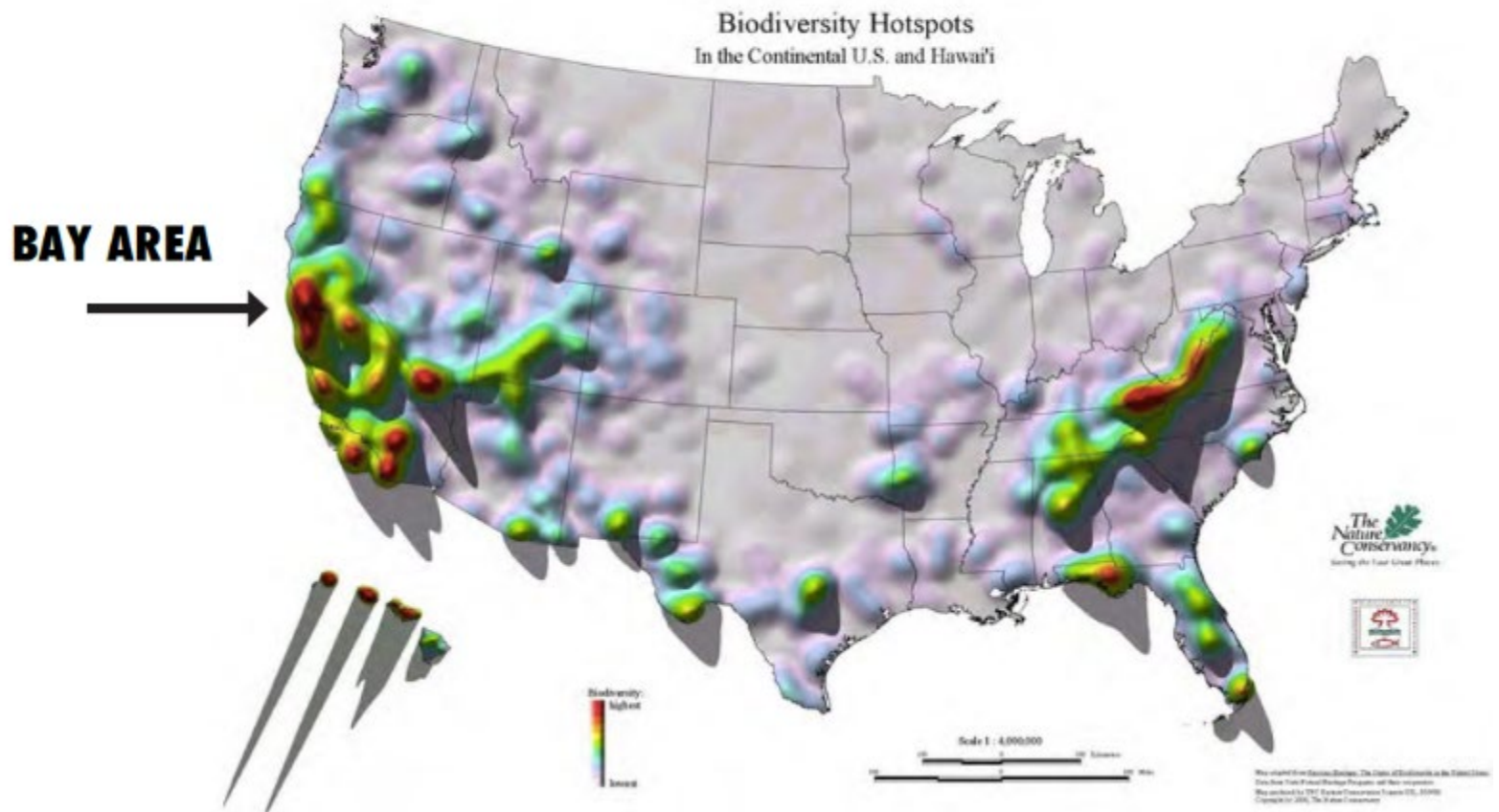
# CONSERVATION LANDS NETWORK 2.0

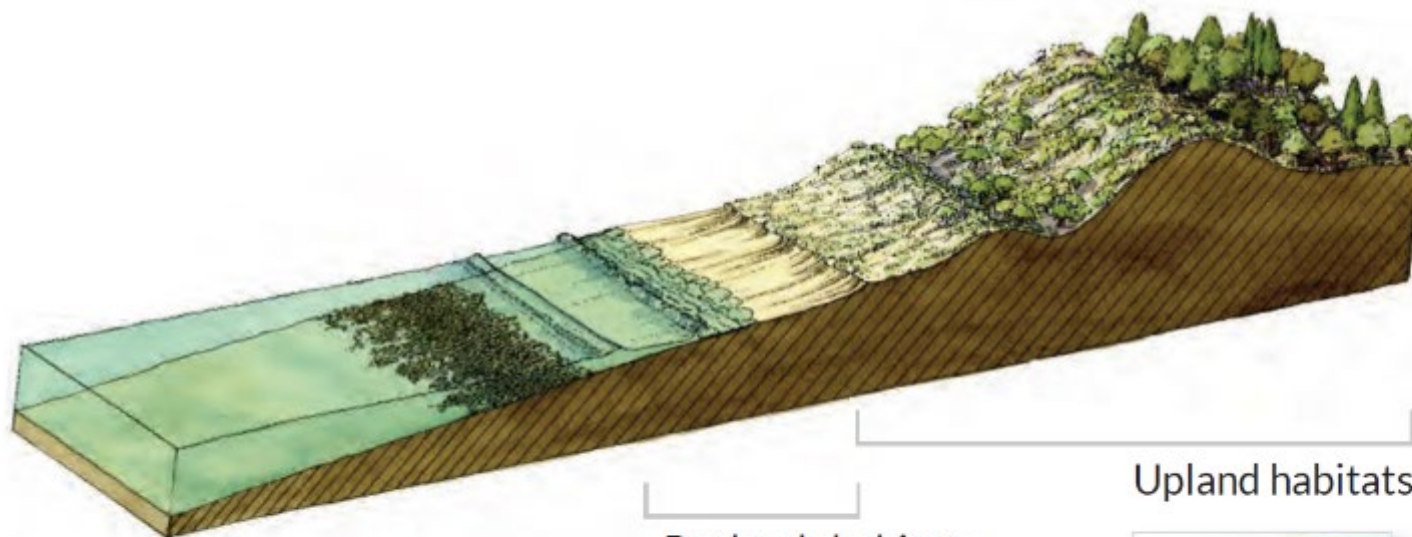
**Tracking Metrics: Lessons from the Conservation Lands Network  
Session: Invasive Plant Management in California's 30x30 Initiative  
Cal-IPC Symposium 2021, October 29, 2021**

**Tom Robinson, Project Director  
Bay Area Conservation Lands Network**



## Biodiversity “Hot Spot”





Subtidal habitats

Baylands habitats

Upland habitats



A satellite map of California with 10 counties highlighted in green. These counties are San Diego, Imperial, Riverside, San Bernardino, Orange, Los Angeles, Kern, Santa Barbara, Ventura, and San Luis Obispo. The map shows the state's coastline to the west, the Pacific Ocean to the south, and the Nevada border to the east. The highlighted counties are located in the southern and central parts of the state.

**10 Counties**





**An inspiring vision that  
focuses conservation efforts**

**Accounting framework to  
track and communicate  
progress**

SCIENTIFIC  
AMERICAN

SUSTAINABILITY

# Climate Change May Transform California's Bay Area

Sea-level rise, warmer temperatures and endangered species are among the impacts expected  
by 2100

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By Anne C. Mulkern, ClimateWire on November 3, 2011

## Nearly Half of California's Native Salmon, Steelhead and Trout on Track to Be Extinct Within 50 Years

State of Salmonids Report for 2017 Details Crisis and  
Opportunities to Reverse the Trend

By Nina Erlich-Williams on May 16, 2017 in Environment



# CLN Modeling



**Conservation Lands Network**



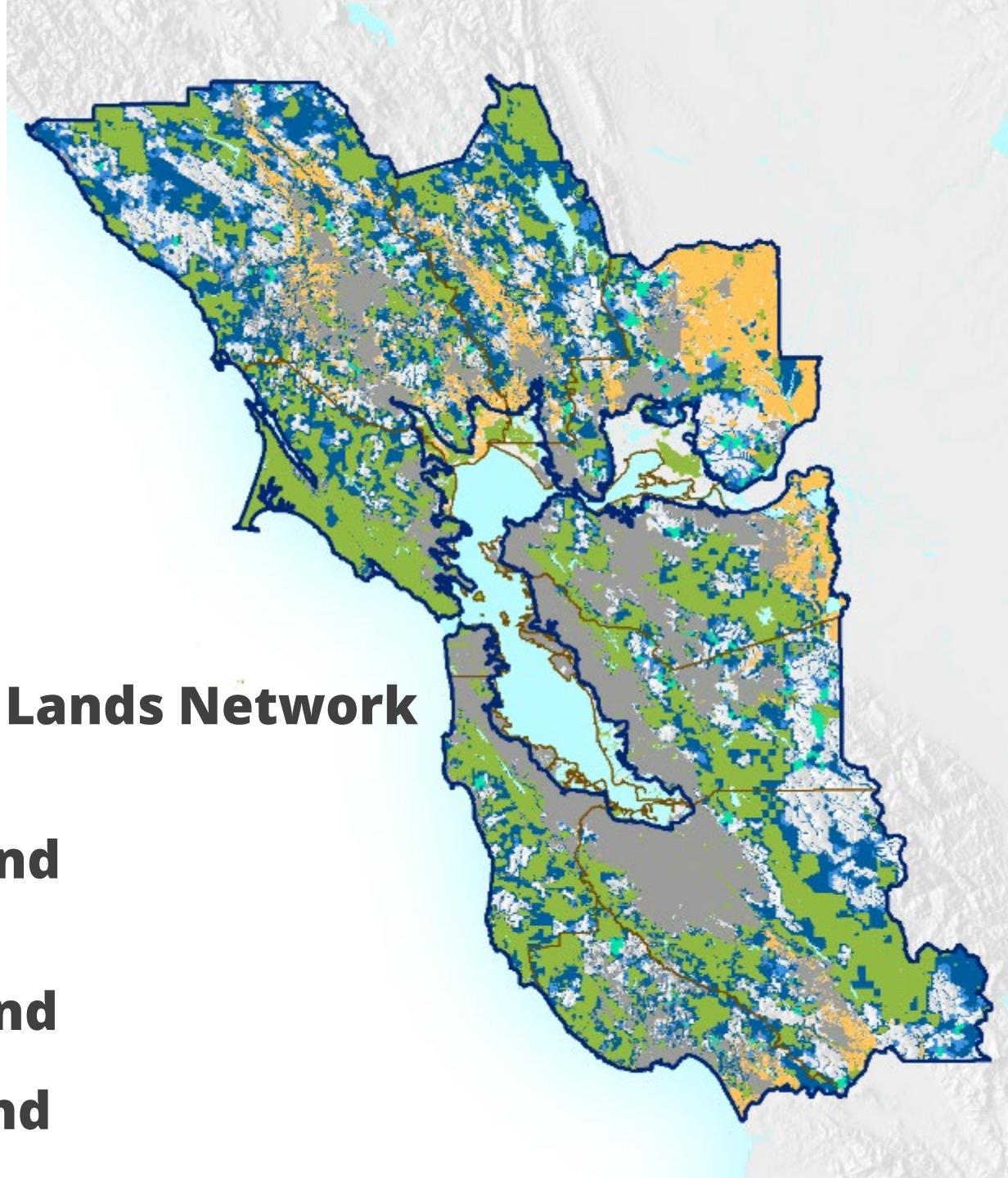
**Conserved Land**



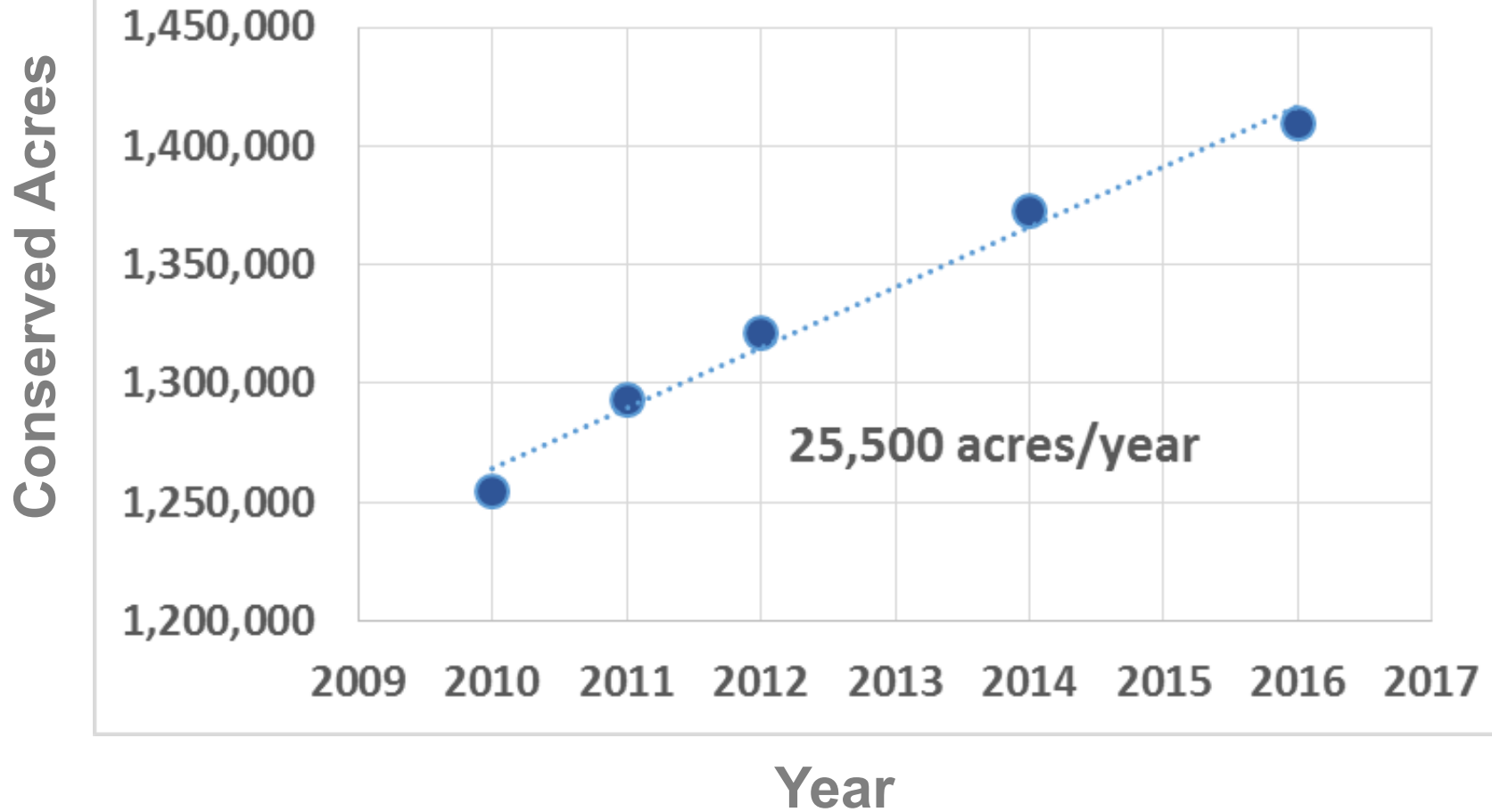
**Cultivated Land**



**Urbanized Land**



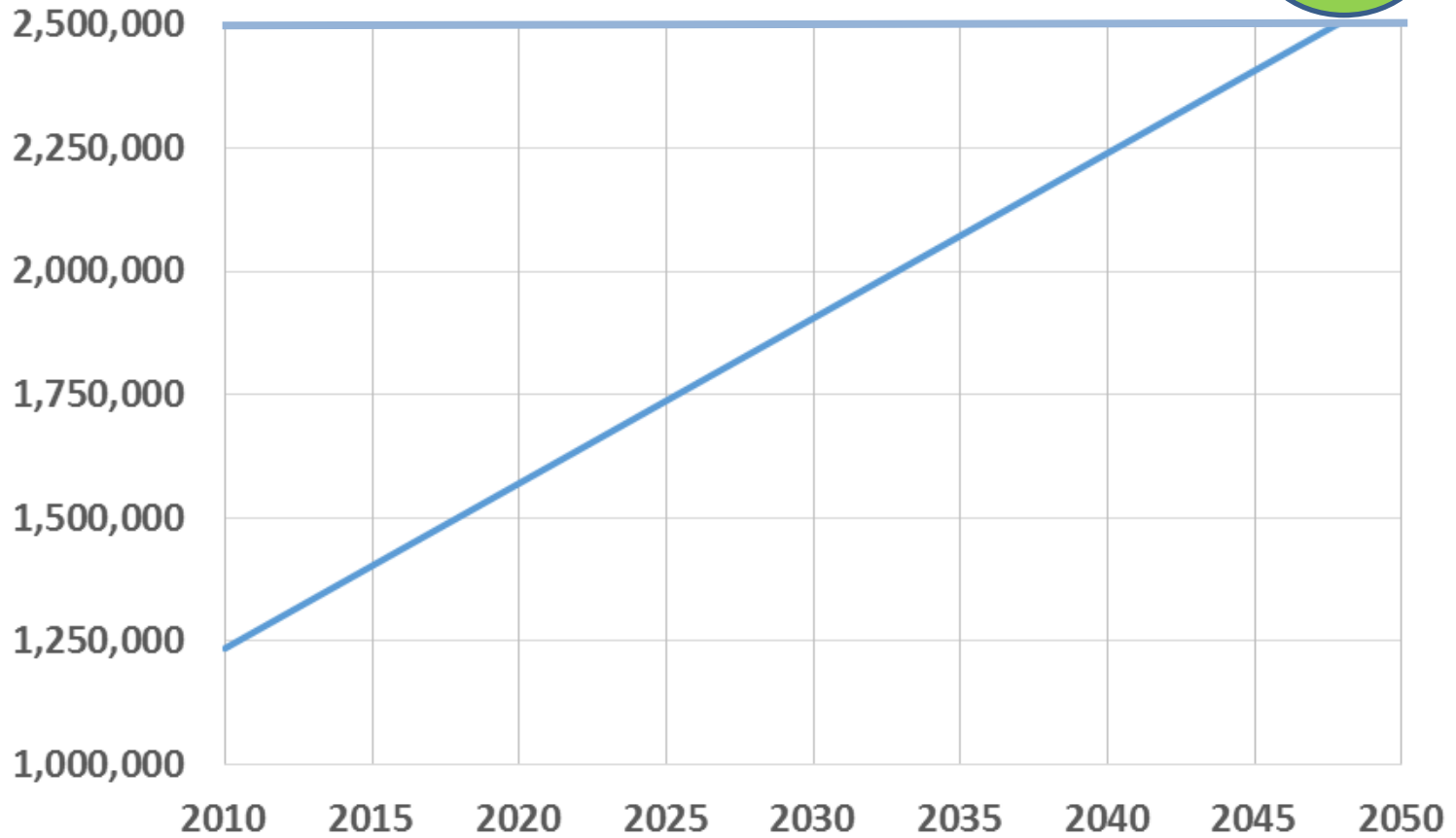
## Acquisitions and Easement 2010-2016





## Land Protection Trajectory

Conserved Acres

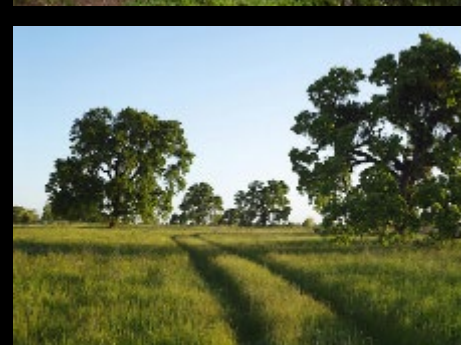


Year



# Science Expansion

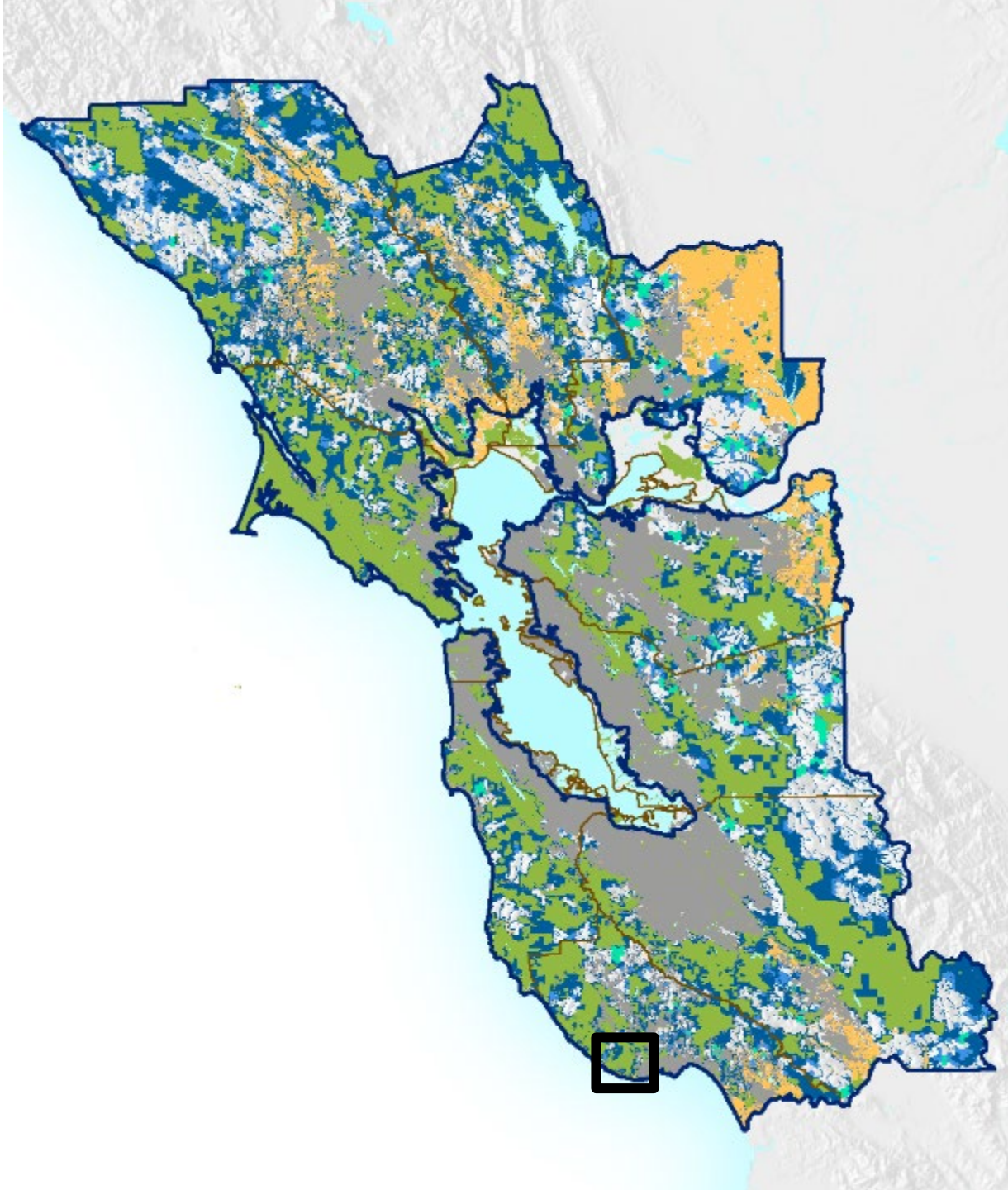
CONSERVATION LANDS NETWORK 2.0





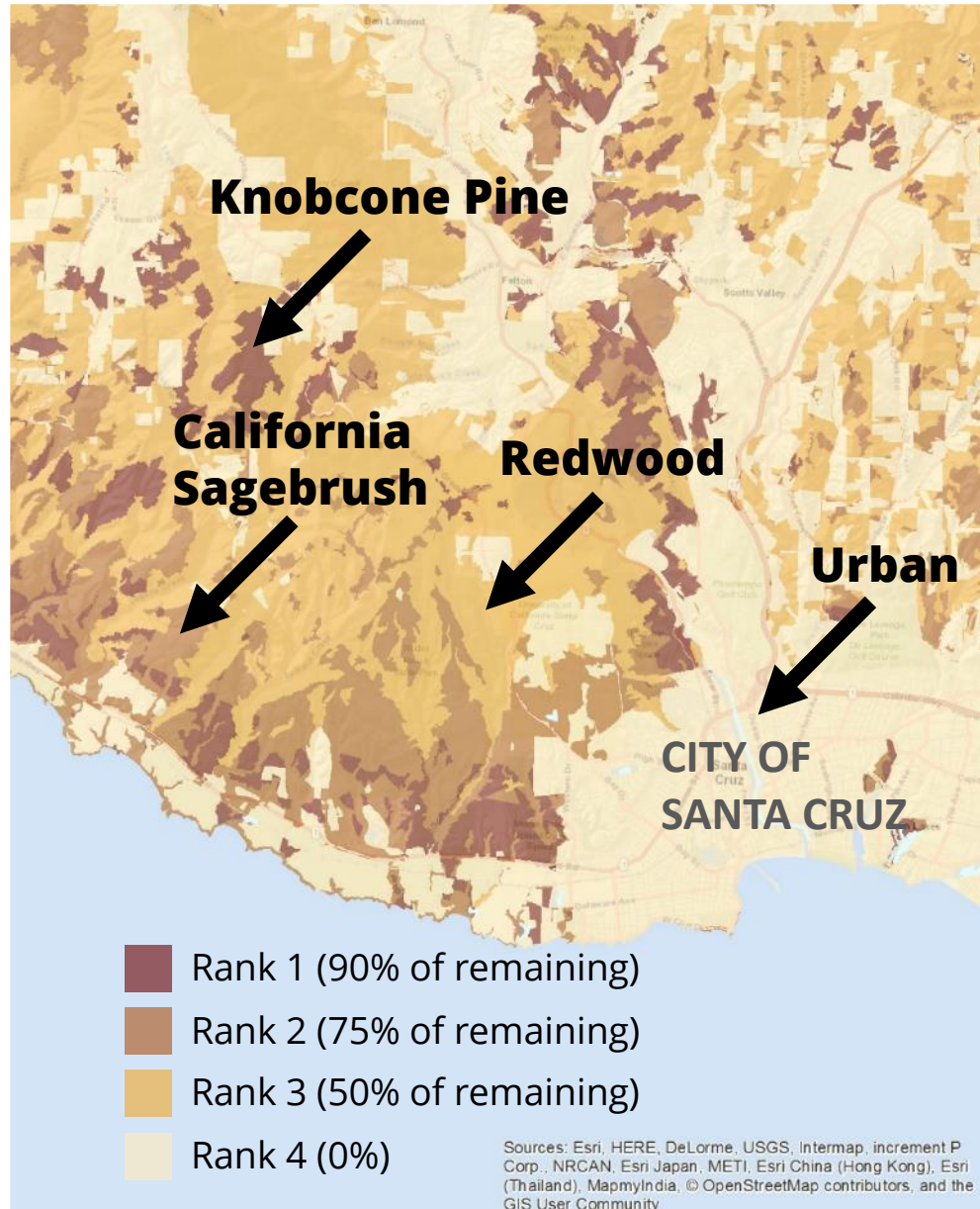




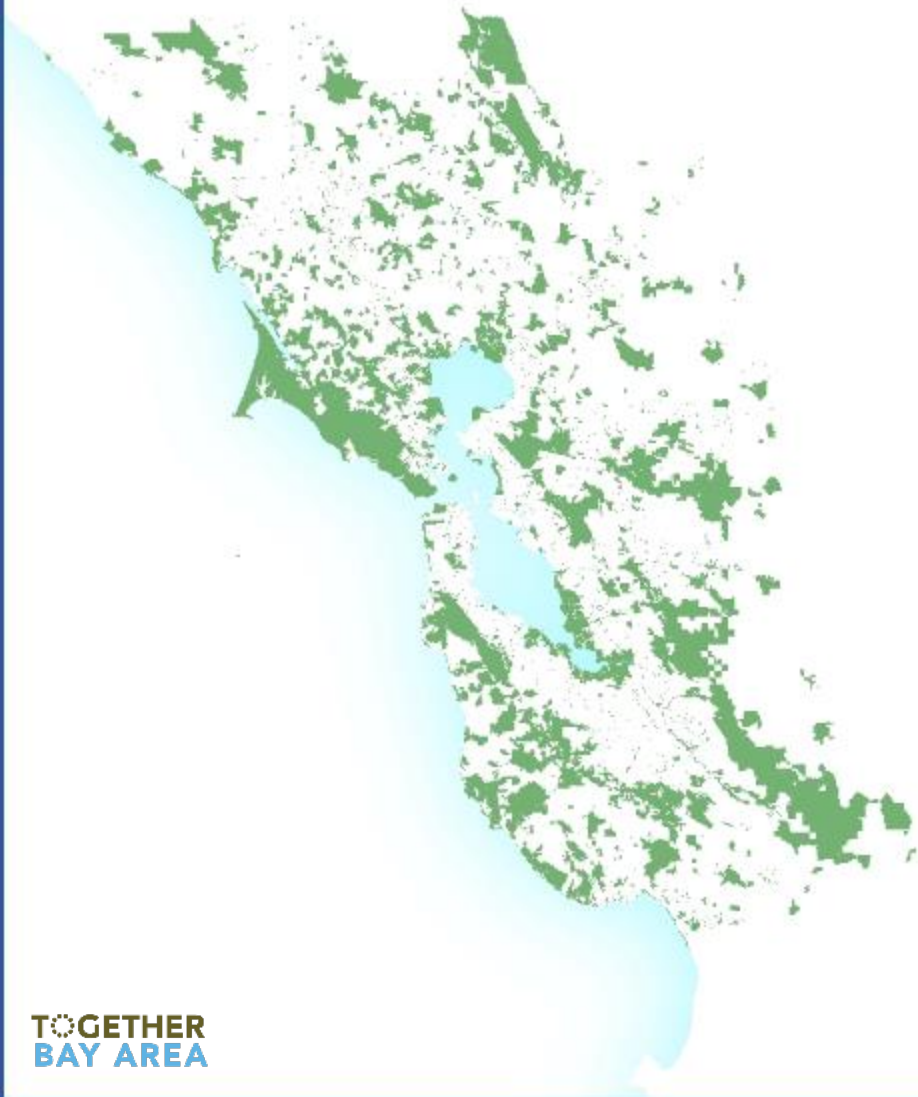




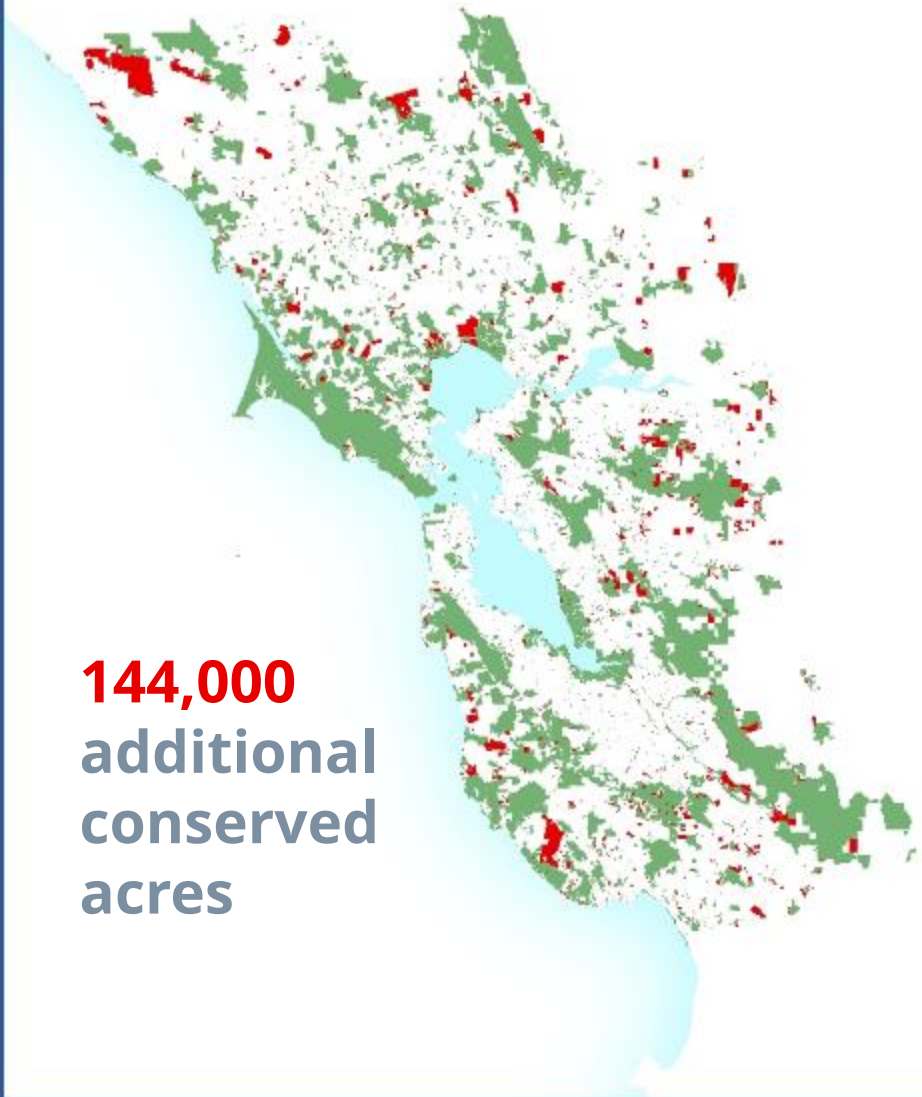
# Habitat-based goals



**2010**



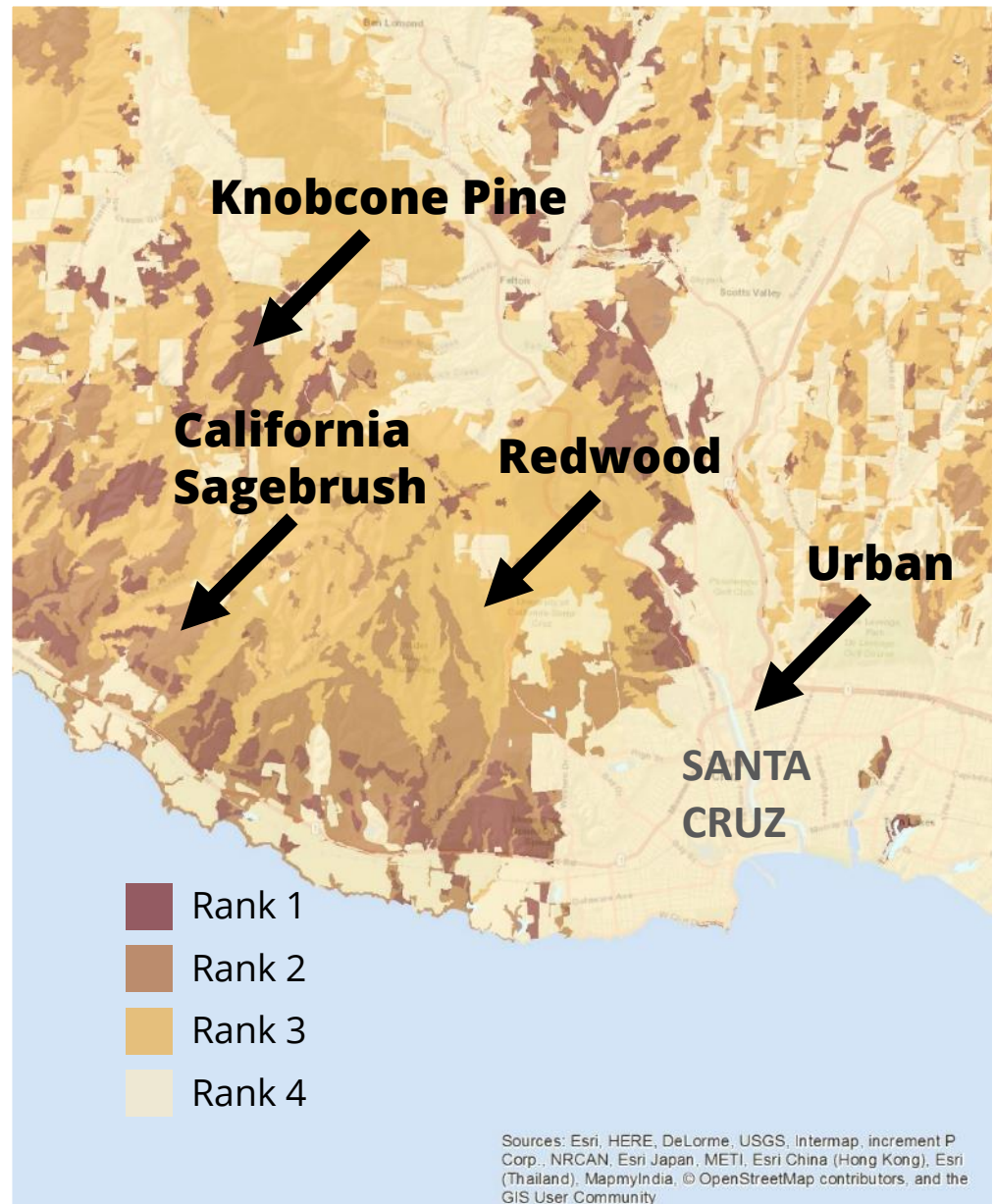
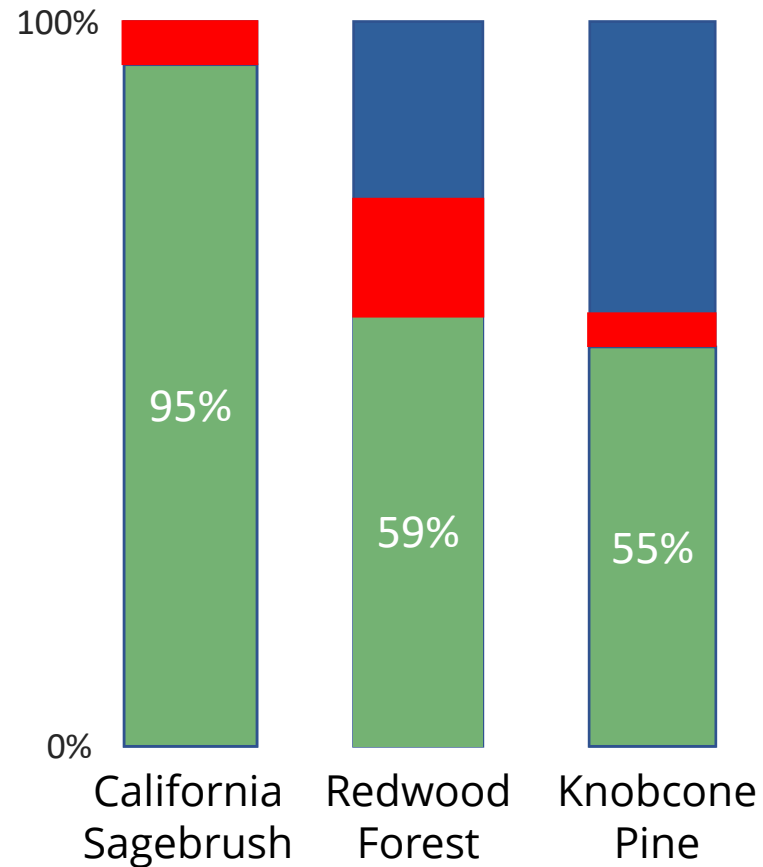
**2018**



**144,000**  
additional  
conserved  
acres



# Accounting





gettyimages®

Sebastian Kennerknecht/ Minden Pictures

717188129



## CLN Explorer Reporting Tool

## — Create a Report

Start by selecting a tool below. Create a report based on a circle around a point, a buffer around a line, a drawn area, or an uploaded polygon.



Select a radius for the circle.

5 miles

Then either click the map to select a point, or else search for an address or landmark below.

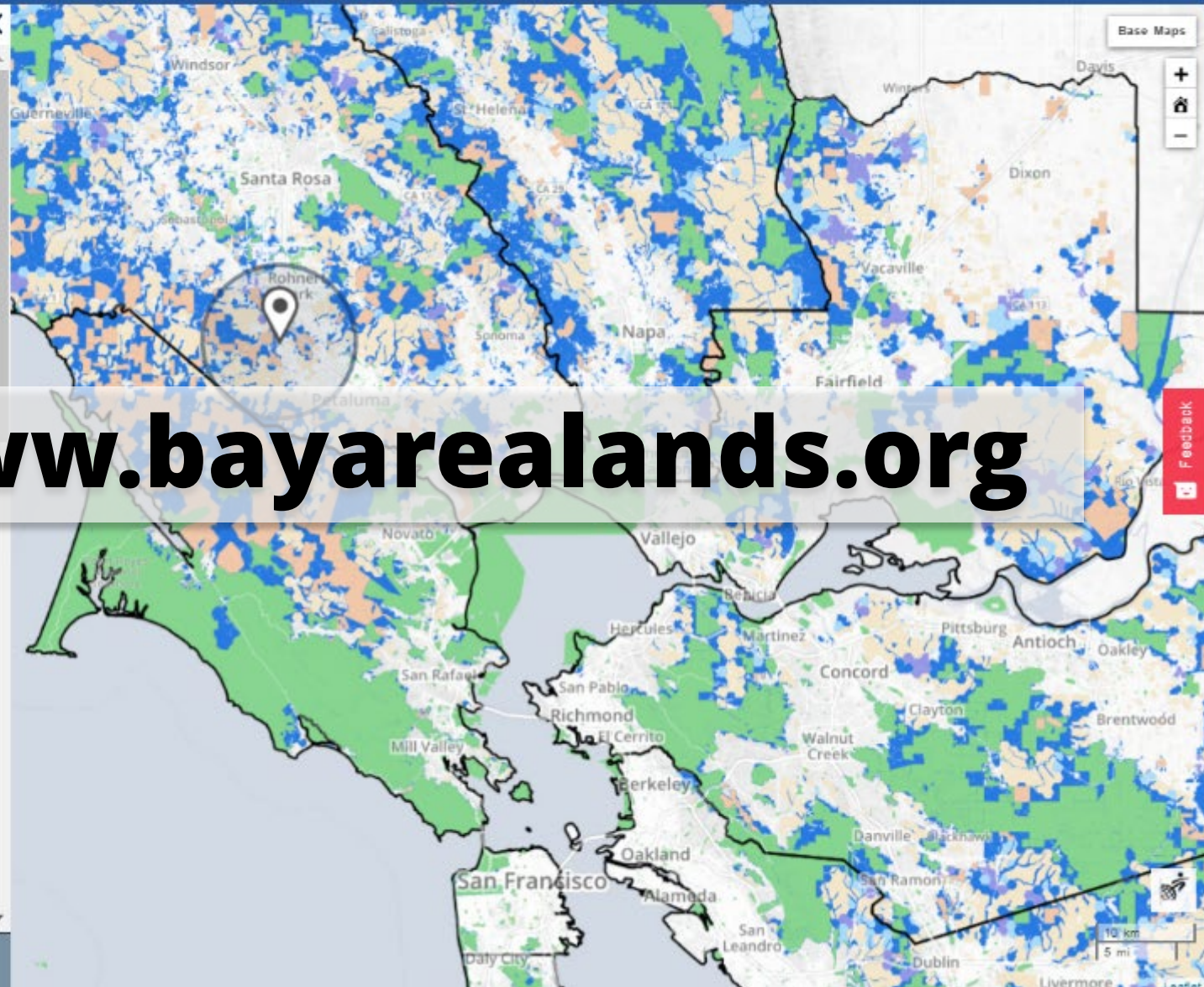
search location

Generate Report

## — Conservation Lands Network

- ☒ Conservation Lands Network
  - ☒ Areas Essential to Conservation Goals
  - ☒ Areas Important to Conservation Goals
  - ☒ Areas That Ensure a Connected Network
  - ☒ Contributes to Conservation Goals
- ☒ Protected Lands (BPAD)
  - ☒ Fee Title Ownership
  - ☒ Conservation Easement
- ☐ Stream Conservation Targets (Draft)
  - ☐ Priority 1
  - ☐ Priority 2
  - ☐ Priority 3

Get information about any point by clicking on the map. Toggle to disable.









**Groundwater Recharge**

**Jobs**

**Carbon  
Sequestration**

**Food Production**

**Biodiversity**

**Public Access to Nature**

**Water Quality**

**Smart-growth/  
Emissions Reductions**

**Air Quality**

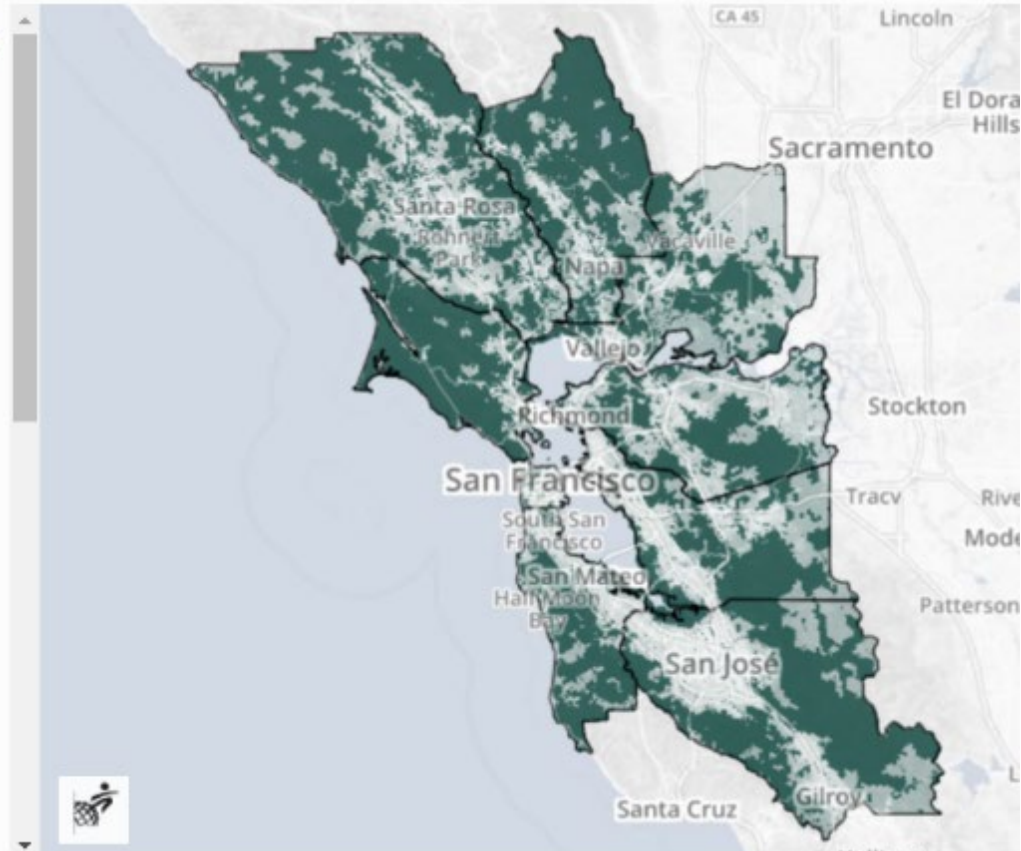
**Physical Health**

**Mental Health**



**Water Supply**

**Natural Hazard Risk Reduction**

✕



## Urban Greening

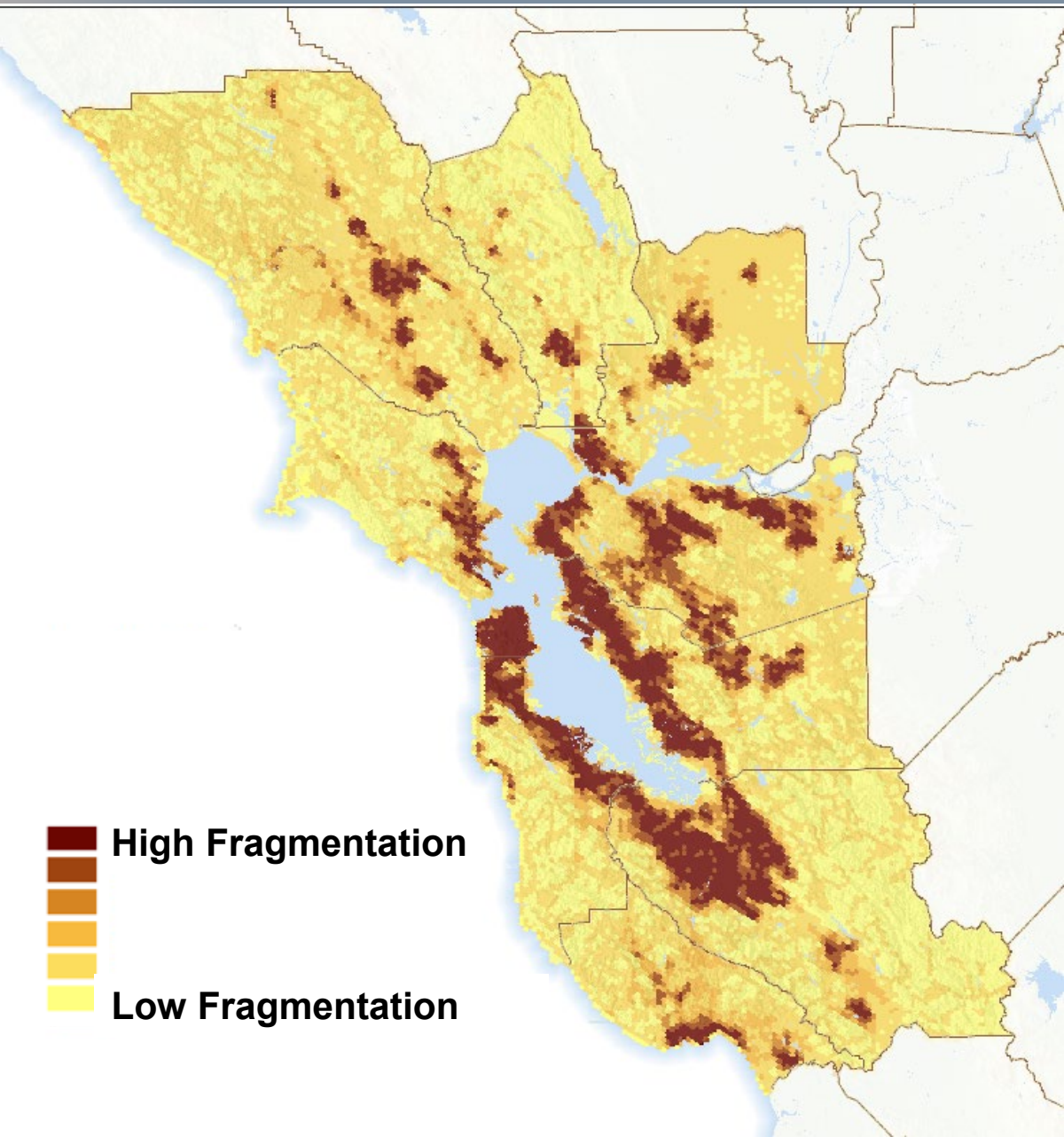
Metric	Value	Unit	% of Shape	% Area Contributes to County Total	Amount Protected County	Map
Prioritized Habitats						
Conservation Lands Network: Priority Lands	1,497	acres	19 %	1 %	85,874	
Conservation Lands Network: Key Riparian Corridor	4	miles		2 %	86	



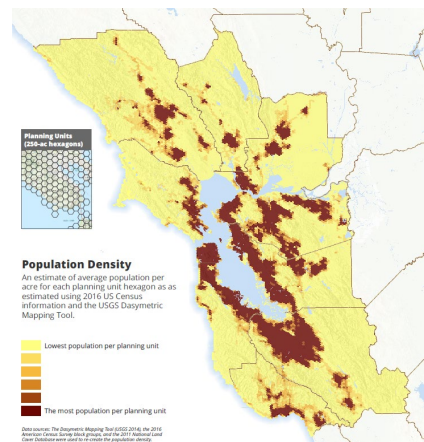
Where do areas generate the most benefit to the most vulnerable communities?



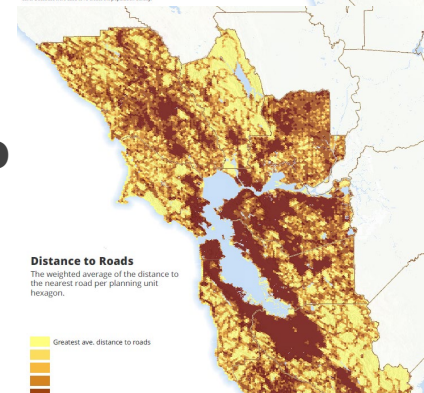




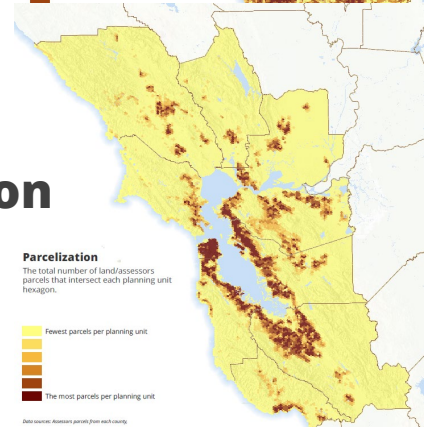
## Population Density



## Distance to Roads



## Parcelization







**Coyote Valley**



# Stewardship: Biodiversity is not going to “take care of itself” in a rapidly changing environment

*How do we ensure that there is sufficient expertise and funding to implement effective stewardship?*





**Conserve 2.5 million acres of  
priority lands by 2050**

**Half the Bay Area**

**Adding 2.1M people by 2040**  
(MTC/ABAG)

**7.2M to 9.3M**