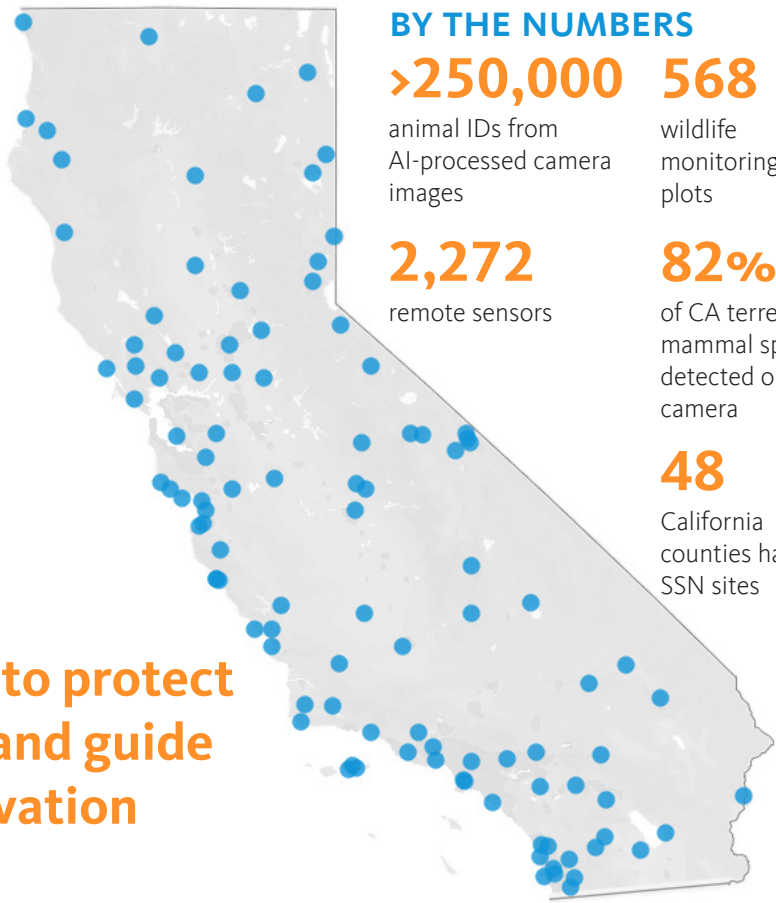


# SENTINEL SITES FOR NATURE — CALIFORNIA

California Sentinel Sites for Nature (CA-SSN) is a collaborative statewide network using advanced sensing and standardized protocols to monitor biodiversity. The resolution and scale of network monitoring is unprecedented anywhere else in the world. By establishing baseline data about diversity across the state, the network informs environmental management decisions and helps California attain its ambitious conservation goals.



## BY THE NUMBERS

**>250,000** **568**

animal IDs from AI-processed camera images

wildlife monitoring plots

**2,272**

remote sensors

**82%**

of CA terrestrial mammal species detected on camera

**48**

California counties have SSN sites

## Collaborative monitoring to protect California's biodiversity and guide science-based conservation

### MONITORING METHODS



**Trail camera**  
larger animals



**Motus sensors**  
tagged birds, bats, insects



**Camera chamber**  
smaller animals



**eDNA**  
fungi, microbes, vegetation



**Sound recorders**  
bird and bat calls



**Insects**  
identified using AI



**Climate station**  
air and soil temperature, precipitation, humidity, wind speed, solar radiation, barometric pressure

### SUPPORTING 30X30

30x30 is California's initiative to conserve 30% of state lands and coastal waters by 2030. CA-SSN advances this goal by guiding conservation, developing nature-based solutions, and forging community partnerships.

[cassn.org](http://cassn.org)

### MAJOR PARTNERS

