



What Are Nature-Based Solutions?

River Partners' 2,100-acre Dos Rios Ranch Preserve before and after restoration.

Nature-based solutions that deliver on California's climate change goals are land management practices that increase the health and resilience of natural systems, which supports their ability to serve as a durable carbon sink.



Tule Red Tidal Restoration

Acknowledgments:



Westlands Water District

Santa Clara Valley
Water District



CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD



DELTA STEWARDSHIP COUNCIL











Why Did We Setting New Targets?

AB 1757 Requirements



California
LEGISLATIVE INFORMATION

- Determine an ambitious range of NBS climate targets for the lands sector – 2030, 2038, and 2045 – to support carbon neutrality and foster climate adaptation and resilience.
- Integrate these targets into the Scoping Plan and other relevant state policies.
- Establish an Expert Advisory Committee.
- Improve and standardize GHG emissions accounting for the lands sector, including co-benefits.
- Review and update California's strategy for climate action in the lands sector.
- Develop standard methods for tracking GHG and resilience benefits from NBS climate action.
- Report on progress toward meeting the NBS climate targets every two years starting in 2025.

CALIFORNIA'S LAND SECTOR



FORESTS



SHRUBLANDS & CHAPARRAL



GRASSLANDS



WETLANDS



CROPLANDS



SPARSELY VEGETATED LANDS



**SEAGRASSES &
SEAWEEDES**



DEVELOPED LANDS



Target-Setting Approach

- Established quantitative goals for the most effective NBS actions that **increase the health and resilience** of our lands, thus supporting their ability to serve as a **durable carbon sink**.
- Based on **best-available science**; reflect the total amount of collective climate action on California's lands that is needed, regardless of ownership.
- Designed to meet or exceed the carbon target for lands in the **Scoping Plan** and drive on the State's **Climate Adaptation Strategy**.



Cumulative Totals

By 2045, the acreage-based targets will deliver:

- **33.5 million acres** managed to reduce wildfire risk, mostly through beneficial fire.
- **11.9 million acres** of forest managed for carbon storage as well as protection of California's water supply and biodiversity.
- **1.6 million acres** of grasslands managed to restore native grasses and protect biodiversity.
- **1.2 million acres** of increased greening and protection from wildfire across California's diverse communities.
- **4.2 million trees** planted to protect California communities from the climate crisis, remove carbon and increase access to nature where it's needed most.





Cumulative Totals

- **7.6 million acres** conserved with protections to avoid conversion.
- **3.4 million acres** of croplands managed to boost healthy soils, drought resilience, and below-ground biodiversity.
- **2.7 million acres** of shrubland and chaparral managed for carbon storage, resilience, and habitat connectivity.
- **1.5 million acres** to protect fragile ecosystems and biodiversity across California's sparsely vegetated lands.
- **233,600 acres** of wetlands and seagrasses managed to protect water supply, deliver carbon benefits, and buffer communities from flooding.