Nature-based Climate Solutions at Scale

MICHELLE PASSERO, DIRECTOR CLIMATE AND NATURE-BASED SOLUTIONS STRATEGY

November 19, 2025

The Nature Conservancy

Our Mission:
To conserve the lands and waters on which all life depends
The Nature Conservancy

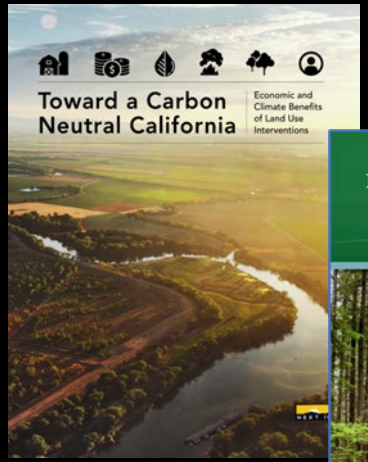
Science to Support Climate Action & Goals

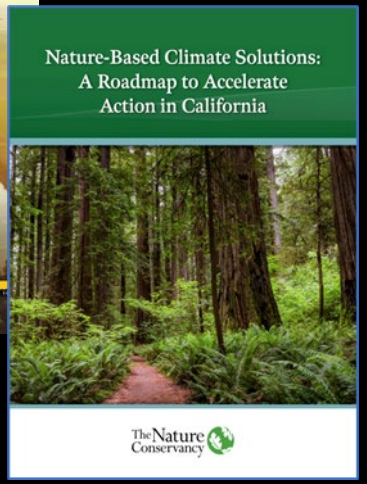
SCIENCE ADVANCES | RESEARCH ARTICLE

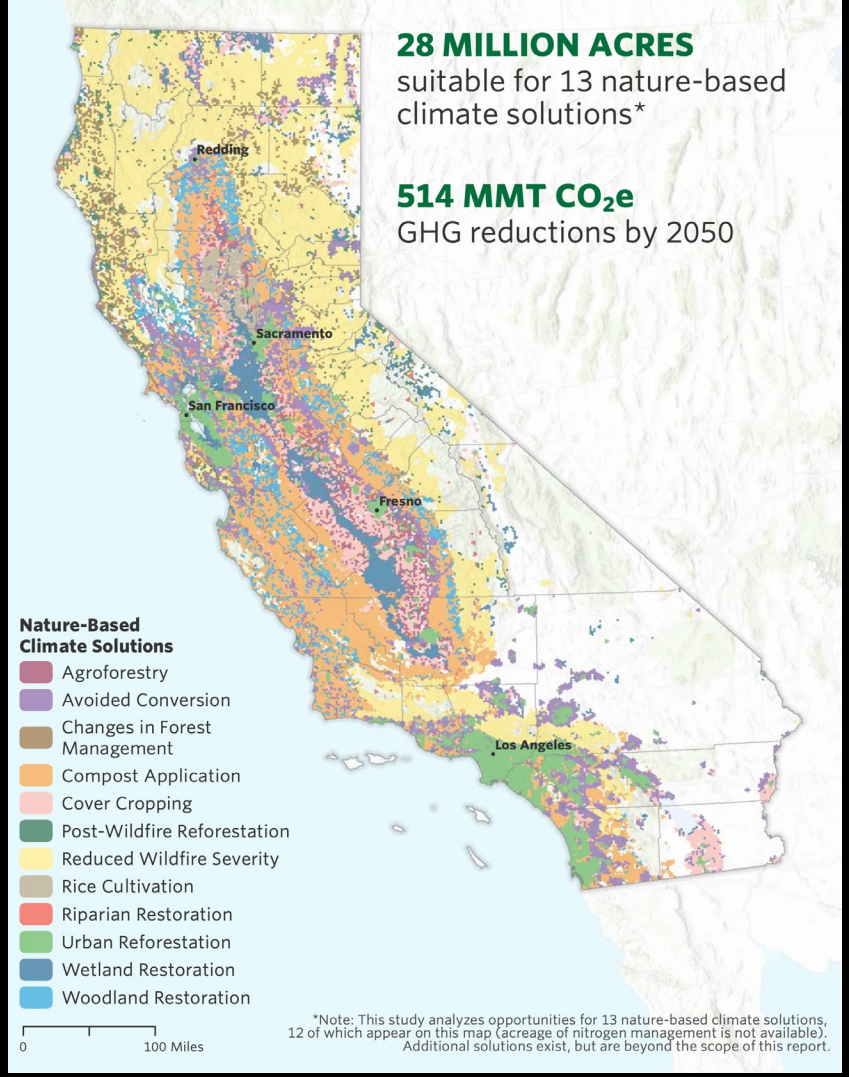
ENVIRONMENTAL STUDIES

Natural climate solutions for the United States

Ecosystem management and land conservation can substantially contribute to California's climate mitigation goals







Full Report: Chamberlin, S. J., Passero, M., Conrad-Saydah, A., Biswas, T., Stanley, C. K. Nature-based Climate Solutions: A Roadmap to Accelerate Action in California. 2020. tinyurl.com/climate-policy-roadmap

NATURE-BASED
CLIMATE SOLUTIONS

CALIFORNIA'S NATURE-BASED SOLUTIONS CLIMATE TARGETS

AS REQUIRED BY ASSEMBLY BILL 1757 (2022, C. GARCIA)

ADMINISTRATION OF GOVERNOR GAVIN NEWSOM
APRIL 22, 2024

CALIFORNIA'S WORLD-LEADING NATURE-BASED SOLUTIONS BRING CLIMATE ACTION TO:

- 33.5 million acres *of* areas *at* risk *of* wildfire
- 11.9 million acres *of* forests
- 3.4 million acres *of* croplands
- 1.6 million acres *of* grasslands
- 1.5 million acres *of* deserts *and* beaches
- 233,000 acres *of* wetlands *and* seagrasses

Climate and NBS Strategy

Increase the pace and scale of implementation

SCIENCE & DEMONSTRATIONS

INNOVATIVE INCENTIVES

STRATEGIC PARTNERSHIPS

Staten Island, Sacramento-San Joaquin Delta

Pajaro Estuary, Central Coast

Bowtie Project, Los Angeles

Credit: Clockshop

1. Financial incentives: carbon markets and innovative easements

2. Reducing permitting and funding barriers

3. Advancing NBS metrics and monitoring

4. Building strategic partnerships

Thank you!

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