



Seeing the Carbon for the Trees: California's Climate Policy Vision and TNC Initiatives

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Presentation Overview

- CA Climate Policy Context – Emerging GHG Market
 - Global Warming Solutions Act 2006
 - California Climate Action Registry
- Offset criteria
- The Nature Conservancy Climate-related Initiatives

Context and Timeline

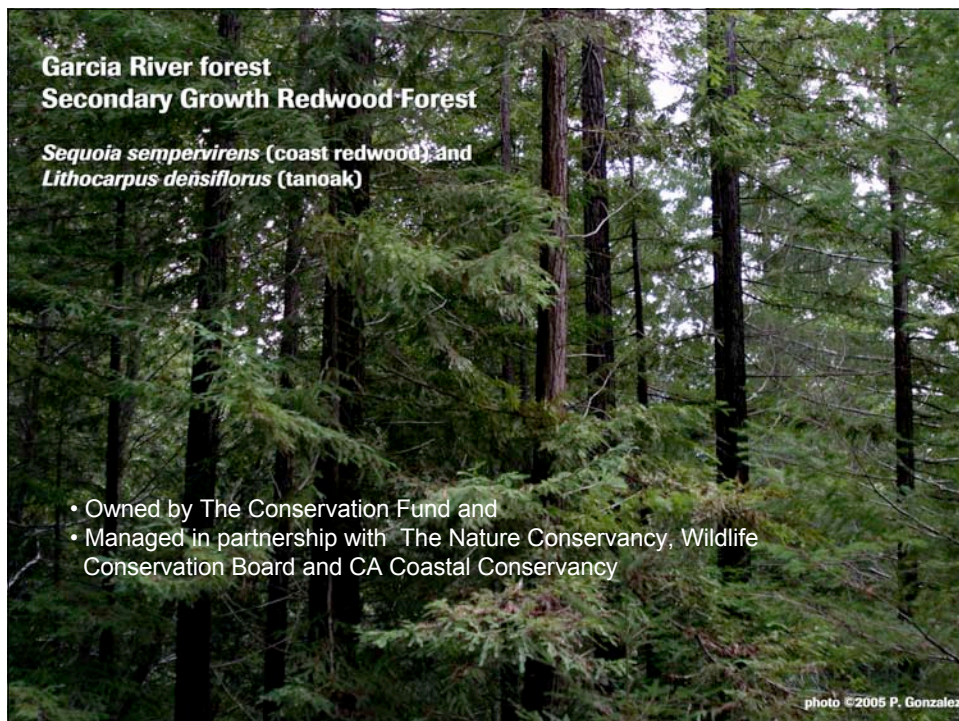
- Global Warming Solutions Act of 2006 (AB 32)
 - Mandate of 1990 emissions level by 2020
 - Total reduction amount 169 MMTCO₂
- CA Air Resources Board (CARB) lead implementing agency
 - Scoping Plan for comprehensive implementation measures by January 2009
 - Scoping Plan regulations developed by 2011
 - Forests will be included
- Voluntary GHG reduction measures adopted 2007
 - CA Registry Forest Protocols adopted as voluntary early action measure in Fall 2007

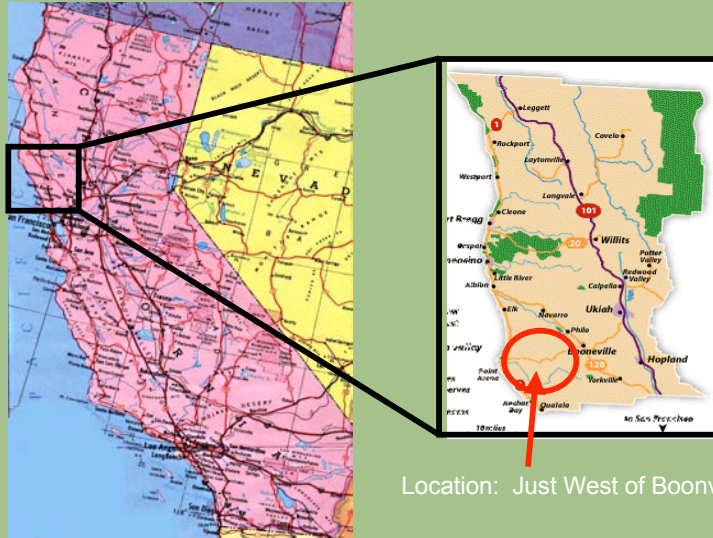
California Climate Action Registry Forest Protocols

- CCAR is voluntary GHG reduction registry
- Developed GHG accounting protocols for forests and adopted June 2005
- Protocol updates underway
- Guidance for measuring and monitoring forest-based reductions
 - Reforestation
 - Changes in forest management
 - Conservation (avoided conversion)



- Baseline
- Additionality
- Permanence
- Leakage
- Third Party Certification



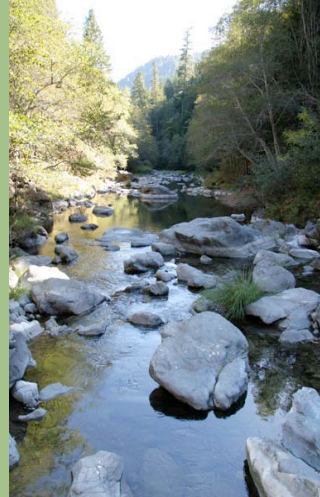


Location: Just West of Boonville, CA

- 24,000 acre working forest
- History of intensive management
- Ecological reserves 35%
- Forest restoration and sustainable forest management yields economic benefits to local community
- CCAR registered climate project
- Scientific research on Carbon and Biodiversity

Ecosystem Services Mapping

- Using innovative tools to map the production and value of services provided by Sierra
 - e.g. water yield, carbon sequestration, forage production, recreation
- Analyzing change in services due to land use scenarios
- Identify opportunities to align resource conservation with ES conservation



Climate Change Scenarios Analysis

CEC-funded project to look at shifts in statewide vegetation and associated biodiversity and ecosystem services due to climate change

- Initial results completed, ongoing analysis and write-up into 2009

(Projected change in carbon stored in live trees)

