


WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP  
[westcarb.org](http://westcarb.org)




## WESTCARB Annual Business Meeting


### Emission Reductions Through Conservation-Based Forest Management

**John Nickerson**  
Pacific Forest Trust  
[jnickerson@pacificforest.org](mailto:jnickerson@pacificforest.org)


Phoenix, AZ  
November 9, 2006

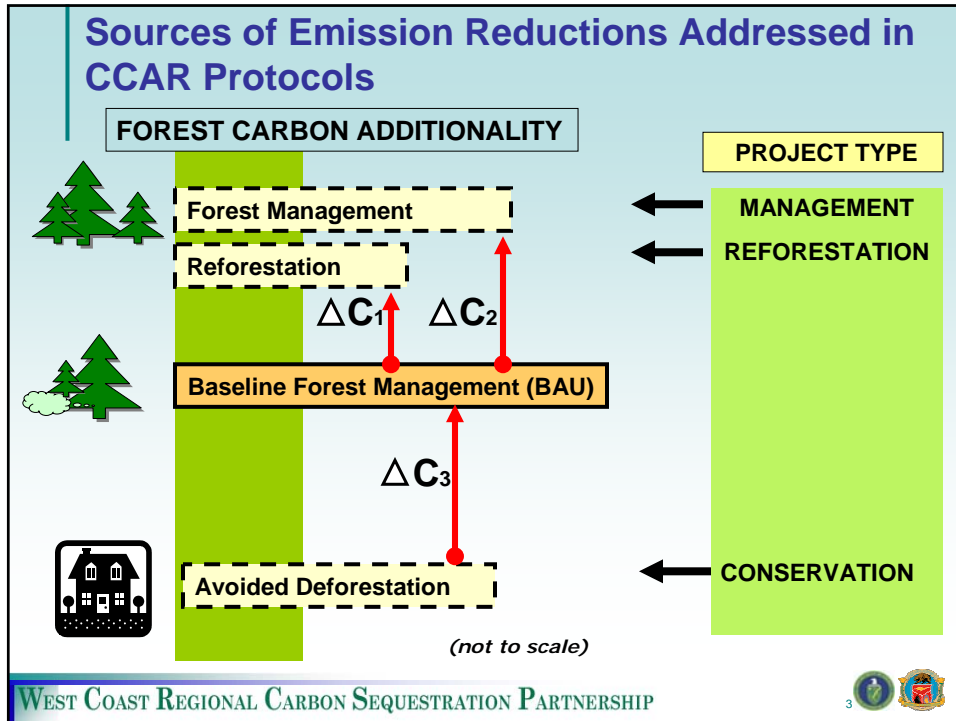


## Examine Emission Reductions Through Conservation-Based Forest Management



WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP





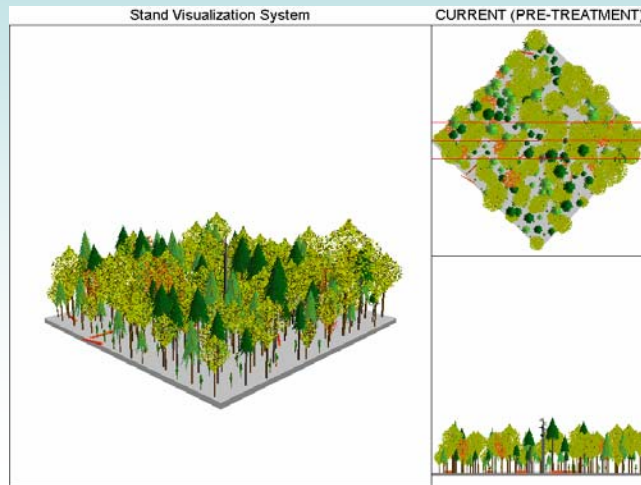
### Management of Forest Under Project Activity

- Harvest 80% of growth until 25 mbf/acre is achieved, then harvest growth
- Management in watercourse zones focuses on large trees and dense canopies
- Ensure that all areas capable of sustaining forest vegetation are stocked appropriately

WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP

## Management Example: Improving Conifer Stocking

Current Conditions

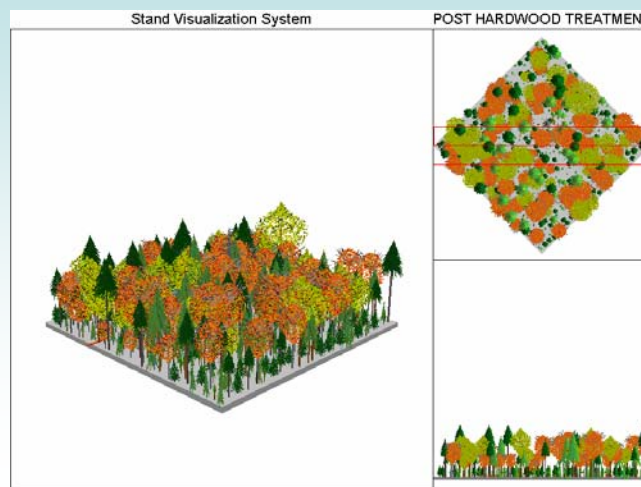


WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP



## Management Example: Improving Conifer Stocking (cont'd)

Hardwoods Treated

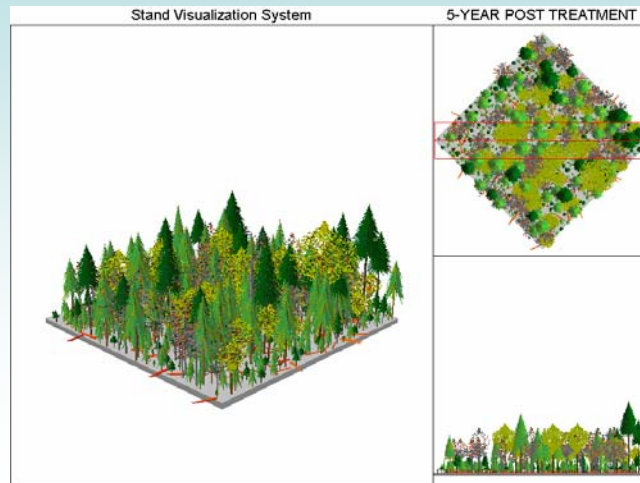


WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP



## Management Example: Improving Conifer Stocking (cont'd)

5 Year Post Treatment

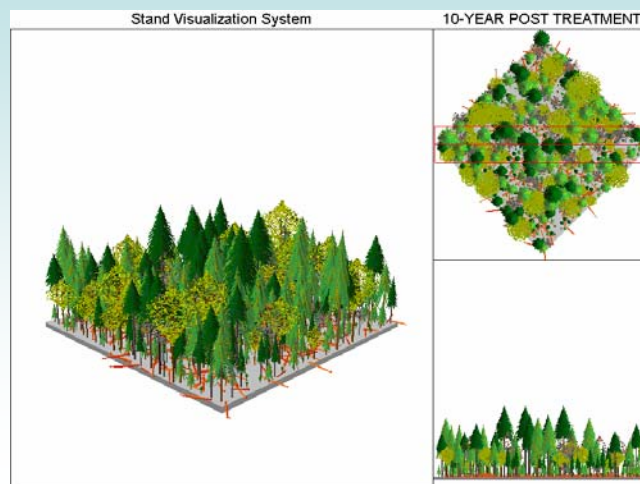


WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP



## Management Example: Improving Conifer Stocking (cont'd)

10 Years Post Treatment

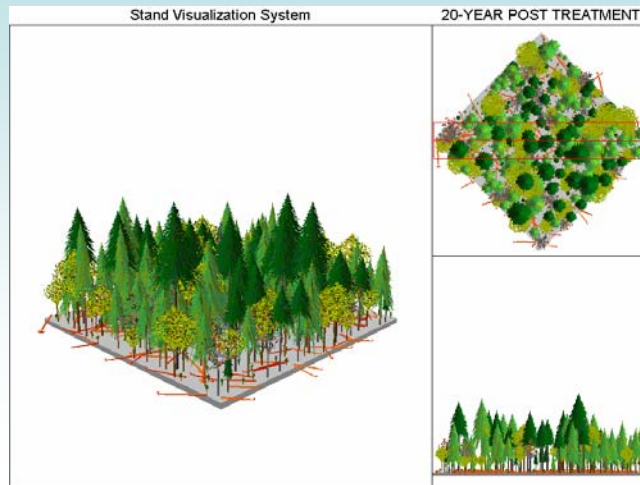


WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP



## Management Example: Improving Conifer Stocking (cont'd)

20 Years Post Treatment

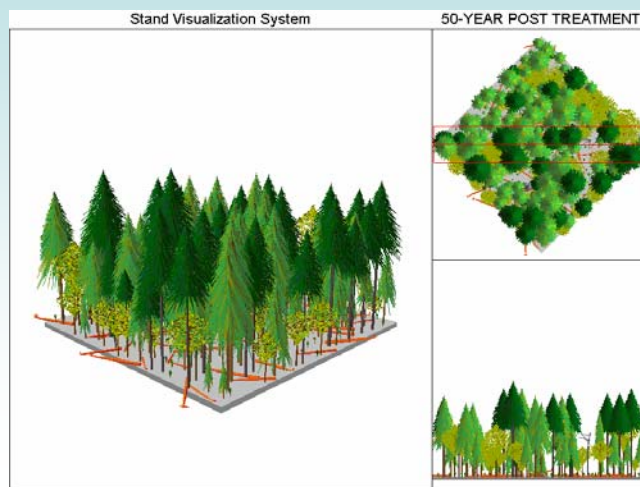


WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP



## Management Example: Improving Conifer Stocking (cont'd)

50 Years Post Treatment



WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP



### Management Example: Improving Conifer Stocking (cont'd)

**No Management to Improve Conifers at 50 years**

Stand Visualization System

**Management to Improve Conifers at 50 years**

Stand Visualization System

PR\_NO\_MGMT.SVS

50-YEAR POST TREATMENT

WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP

### Management Example: Improving Conifer Stocking (cont'd)

#### Comparison of Two Management Scenarios on Carbon Stocks

**Carbon Tons per Acre**

Year	Scenario 1 - Baseline	Scenario 2 - Treat Hardwoods and Plant Conifers
1	32	32
2	36	34
3	39	37
4	41	41
5	42	44
6	43	47
7	44	51
8	45	53
9	45	57
10	45	62
11	43	65

WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP

## Goals of Study

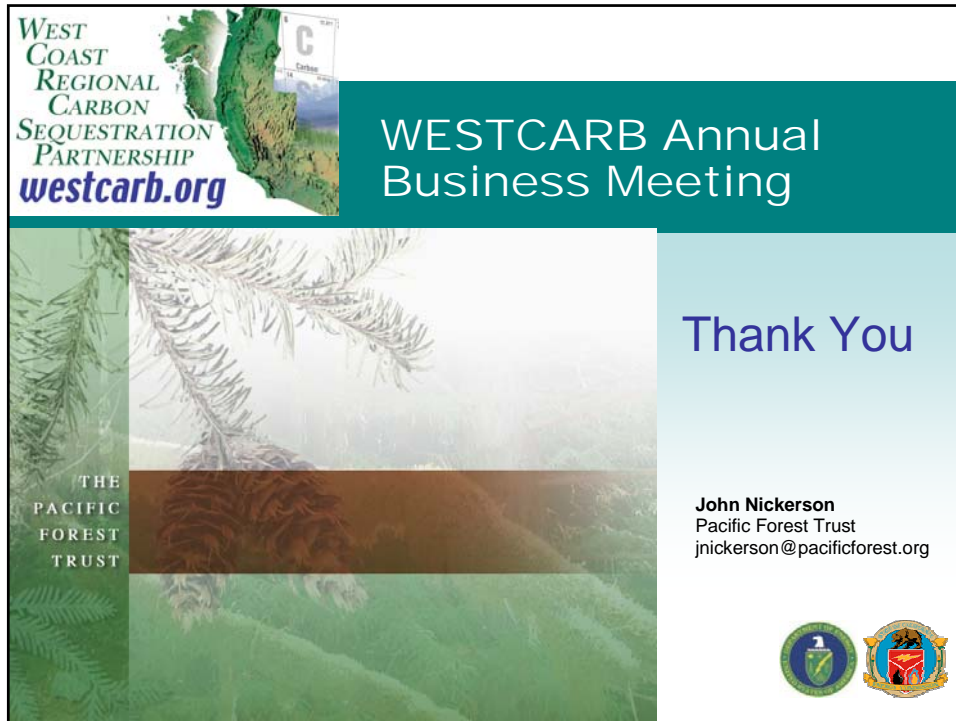
As a pilot project:

- Assess the practicality and effectiveness of the California forest protocols in addressing the key issues of:
  - Baseline
  - Additionality
  - Permanence
  - Leakage
- Test the measurement guidance
- Examine the effects of including/excluding wood products in the analysis of additionality

## Goals of Study (cont'd)

As a pilot project:

- Document costs and evaluate cost-effectiveness of each significant cost item.
- Evaluate the economics of registration and marketing of carbon as a forest management strategy and compare it with the opportunity costs related with baseline management.
- Make recommendations to the California Climate Action Registry for protocol improvements where appropriate.



The slide features a green and white color scheme. At the top left, the text "WEST COAST REGIONAL CARBON SEQUESTRATION PARTNERSHIP" is stacked vertically in a serif font, with "westcarb.org" in a blue sans-serif font below it. To the right of this text is a small map of the West Coast region with a large letter "C" overlaid. The main title "WESTCARB Annual Business Meeting" is displayed in a white serif font on a dark green background. Below the title is a large image of a forest with a horizontal brown band across the middle. On the left side of this image, the text "THE PACIFIC FOREST TRUST" is written vertically in a white serif font. To the right of the image, the words "Thank You" are written in a blue serif font. Below this, the name "John Nickerson" is followed by "Pacific Forest Trust" and the email address "jnickerson@pacificforest.org". At the bottom right, there are two circular logos: one with a green border and a white center, and another with a gold border and a red and blue center.

WEST  
COAST  
REGIONAL  
CARBON  
SEQUESTRATION  
PARTNERSHIP  
[westcarb.org](http://westcarb.org)

WESTCARB Annual  
Business Meeting

THE  
PACIFIC  
FOREST  
TRUST

Thank You

**John Nickerson**  
Pacific Forest Trust  
[jnickerson@pacificforest.org](mailto:jnickerson@pacificforest.org)