

OREGON STATE
FORESTLANDS

ACHIEVING GREATEST
PERMANENT VALUE



The Harvest & Habitat Model Project was completed in March of 2006 and produced forest models for seven Oregon Department of Forestry districts. Information from the models is used to consider changes to ODF's Northwest and Southwest Oregon Forest Management Plans, contribute to the decision to pursue a Habitat Conservation

Greatest Permanent Value~

Healthy, productive, and sustainable forest ecosystems that over time and across the landscape provide a full range of social, economic, and environmental benefits to the people of Oregon.

Plan, and help set harvest levels. This document provides additional background information and graphics to help tell the story about the economic, environmental and social values that define Oregon state forestlands.



SOCIAL



ENVIRONMENTAL



ECONOMIC

WHO OWNS THE FOREST?



← U.S. Federal government (Forest Service, Bureau of Land Management, National Park Service) (57%)

← Large, commercial landowners (22%)

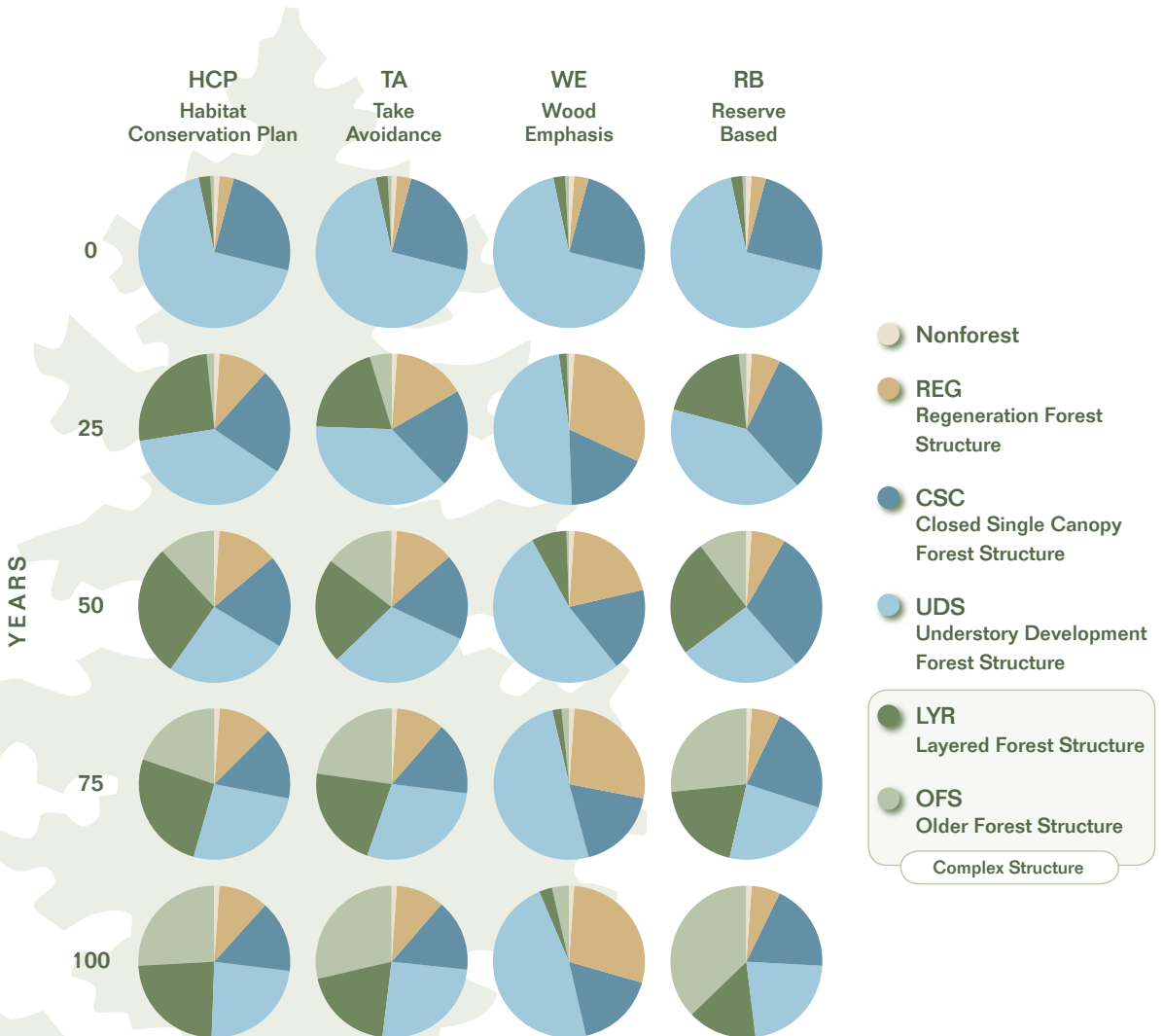
← Non-industrial private landowners (16%)

← State, counties and municipalities (4%) (State forestland is ~3%)

← Native American tribal governments (1%)

HARVEST & HABITAT ALTERNATIVES

The Harvest & Habitat Model Project estimated harvest and habitat outputs on state forestlands using four alternatives — the forest management plan (FMP) with a habitat conservation plan (HCP), the forest management plan using take avoidance (TA), wood emphasis (WE), and reserve-based (RB). The following charts depict changes in forest structure over time on Astoria, Tillamook, and Forest Grove districts using each of these alternatives.



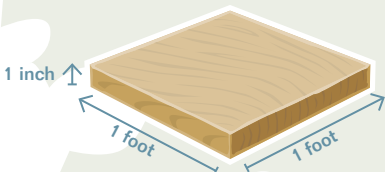
BOARD FEET

100 MILLION BF= 3.58 square miles, would cover 1,884 football fields, build 5,000 homes

177 MILLION BF= 6.34 square miles, would cover 3,336 football fields, build 8,850 homes

213 MILLION BF= 7.64 square miles, would cover 4,021 football fields, build 10,650 homes

350 MILLION BF= 12.55 square miles, would cover 6,605 football fields, build 17,500 homes



Points of reference on square miles:

Tillamook Bay (at high water) - 12 square miles

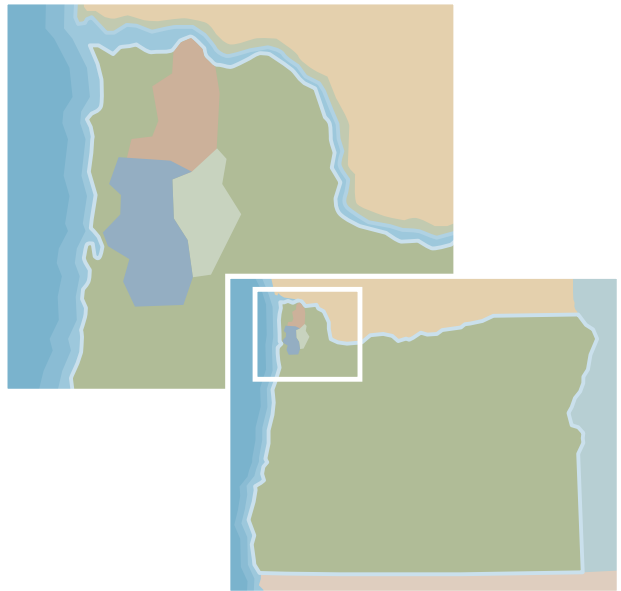
Crater lake - 21 square miles

Portland - 130 square miles

NORTHWEST OREGON STATE FORESTRY DISTRICTS

There are three forestry districts in northwest Oregon—Astoria, Forest Grove, and Tillamook. The graphic below depicts the location and size of these three districts.

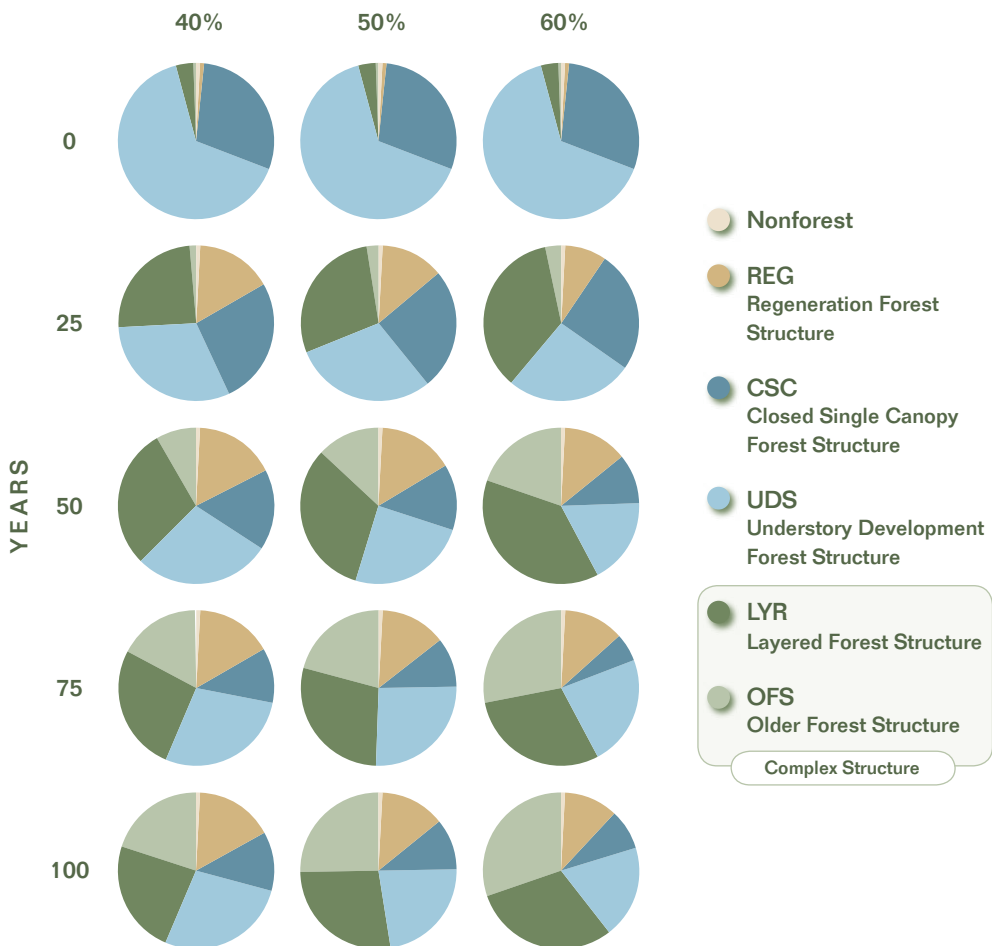
- ASTORIA DISTRICT
136,928 acres
- TILLAMOOK DISTRICT
250,652 acres
- FOREST GROVE DISTRICT
114,944 acres



The following charts depict how the forest structure changes over time in 25-year increments beginning in 2006 and ending in 2106 for each of these three forest districts under the forest management plans with a Habitat Conservation Plan. Astoria (22%), Forest Grove (18%), and Tillamook (40%) Districts comprise 502,524 acres, or 80% of the total state forest land base described in the Northwest and Southwest Oregon Forest Management Plans.

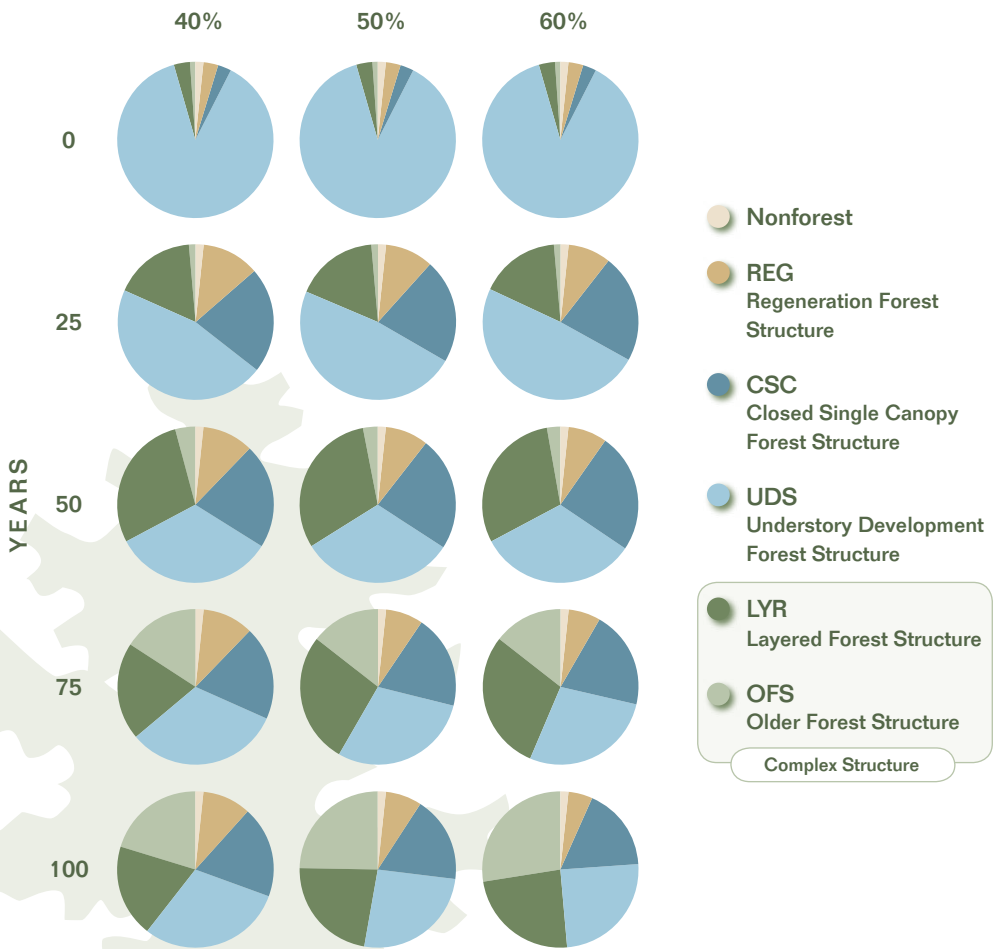
ASTORIA

40-50-60% COMPLEX STRUCTURE GOALS



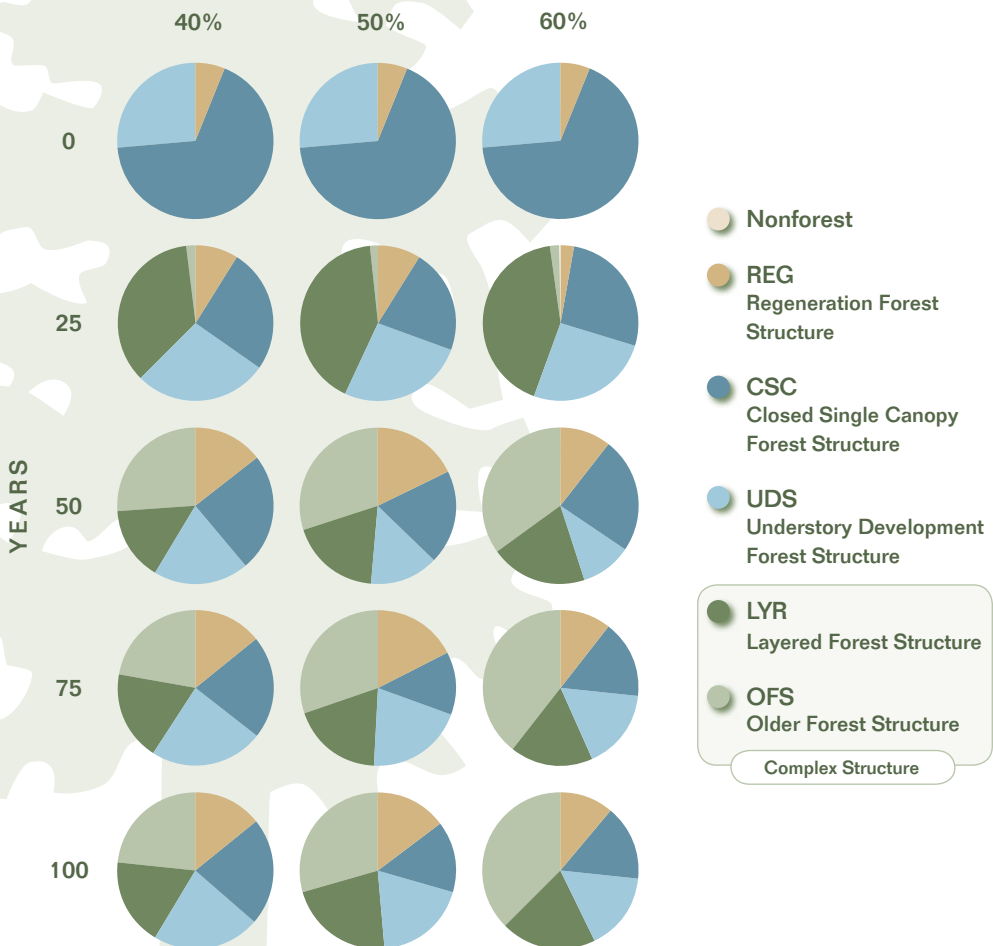
TILLAMOOK

40-50-60% COMPLEX STRUCTURE GOALS

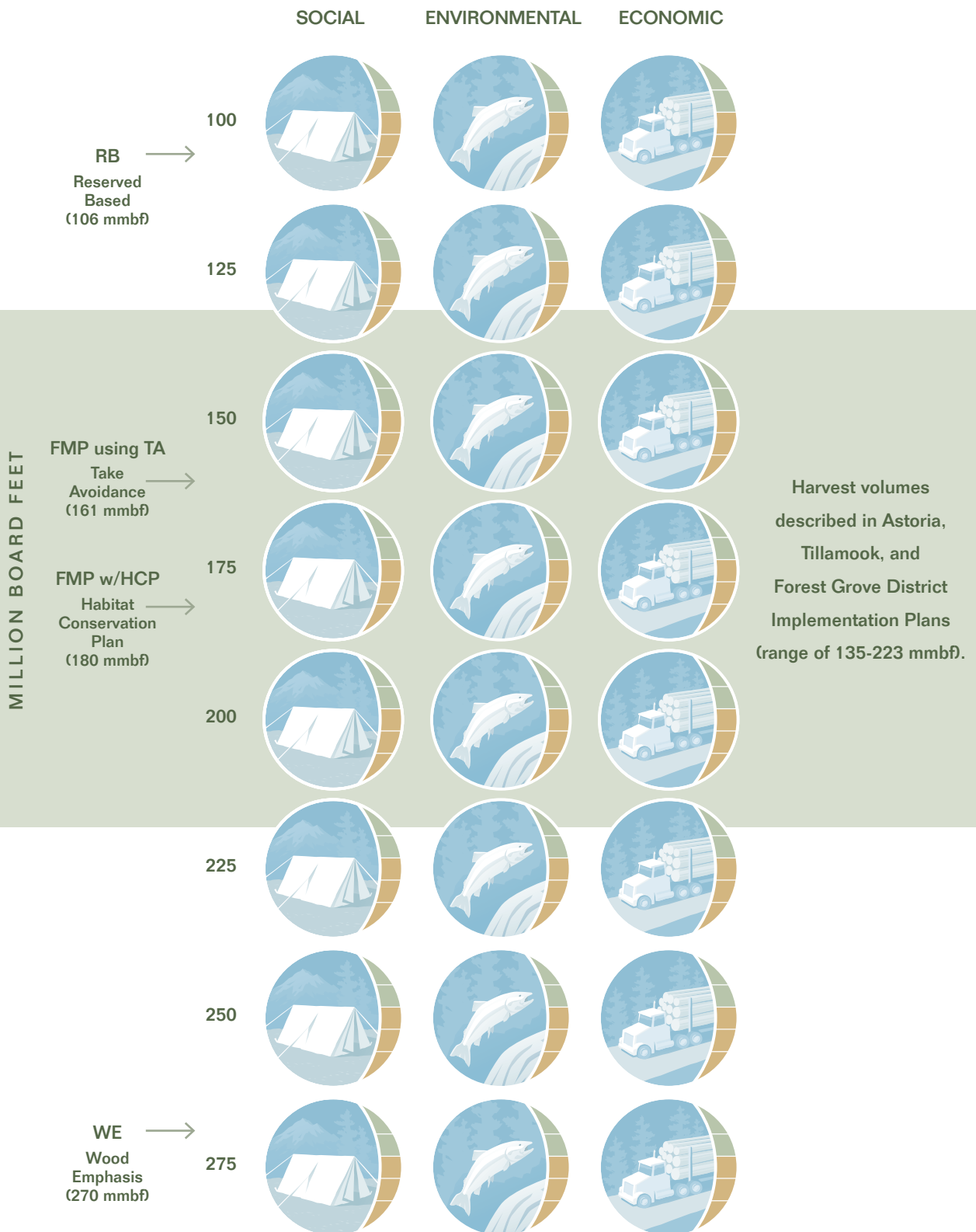


FOREST GROVE

40-50-60% COMPLEX STRUCTURE GOALS



A COMPARISON OF OUTPUTS FOR THE FOUR ALTERNATIVES FOR ASTORIA, TILLAMOOK, AND FOREST GROVE DISTRICTS



This chart depicts the average annual volume (mmbf) over 150 years and is a tool that can be used to assess the economic, environmental, and social values of state forestlands on a continuum. Although the range of harvest levels is the only output shown, you can assess the relative environmental and social values associated with various harvest levels.



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