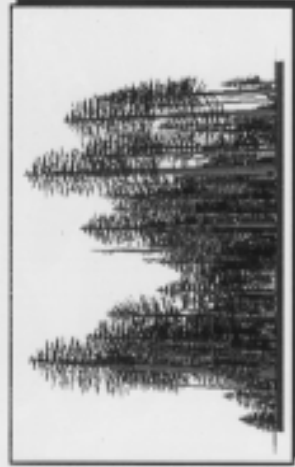
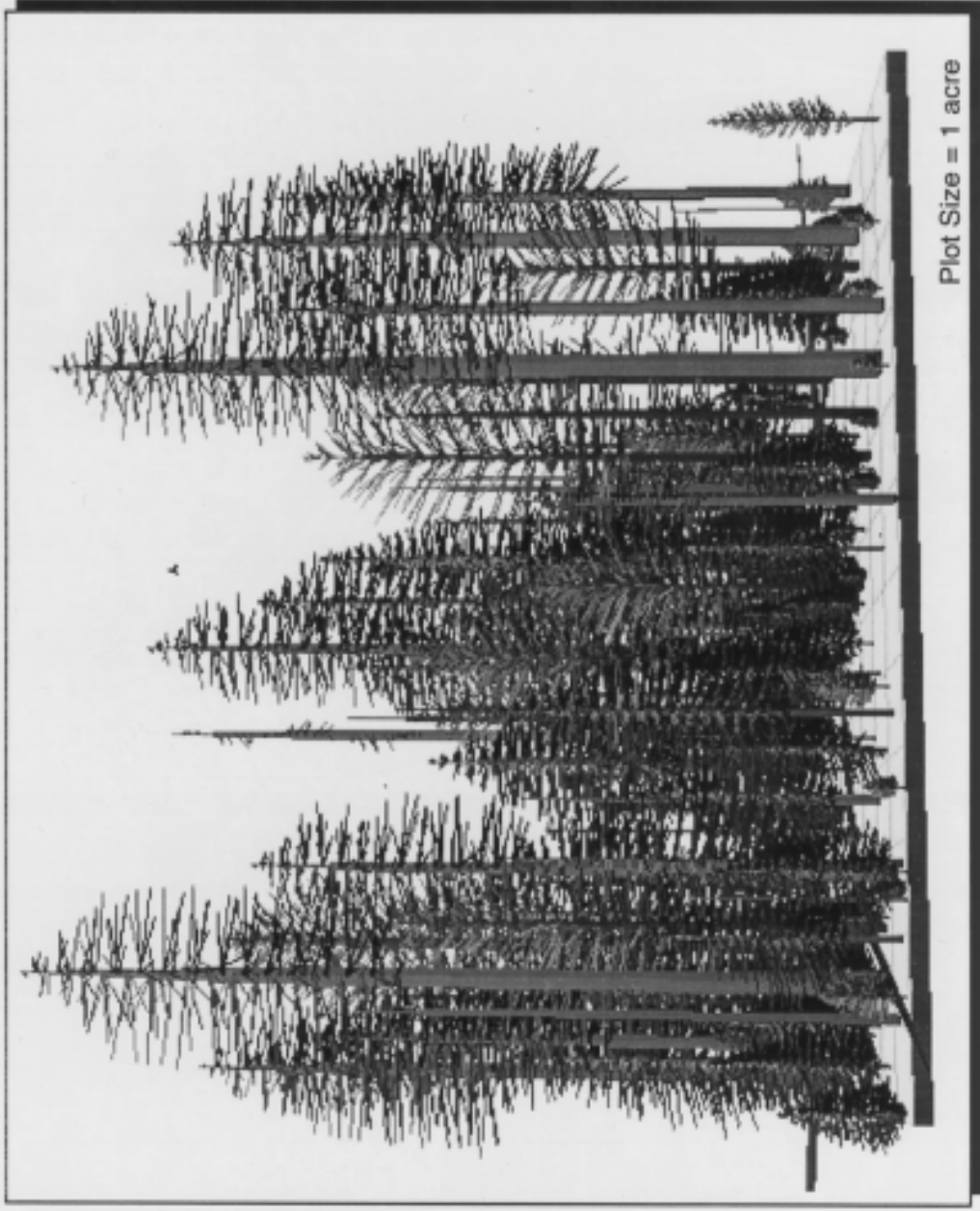
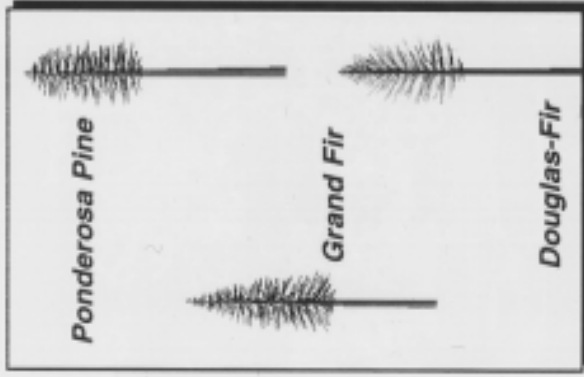


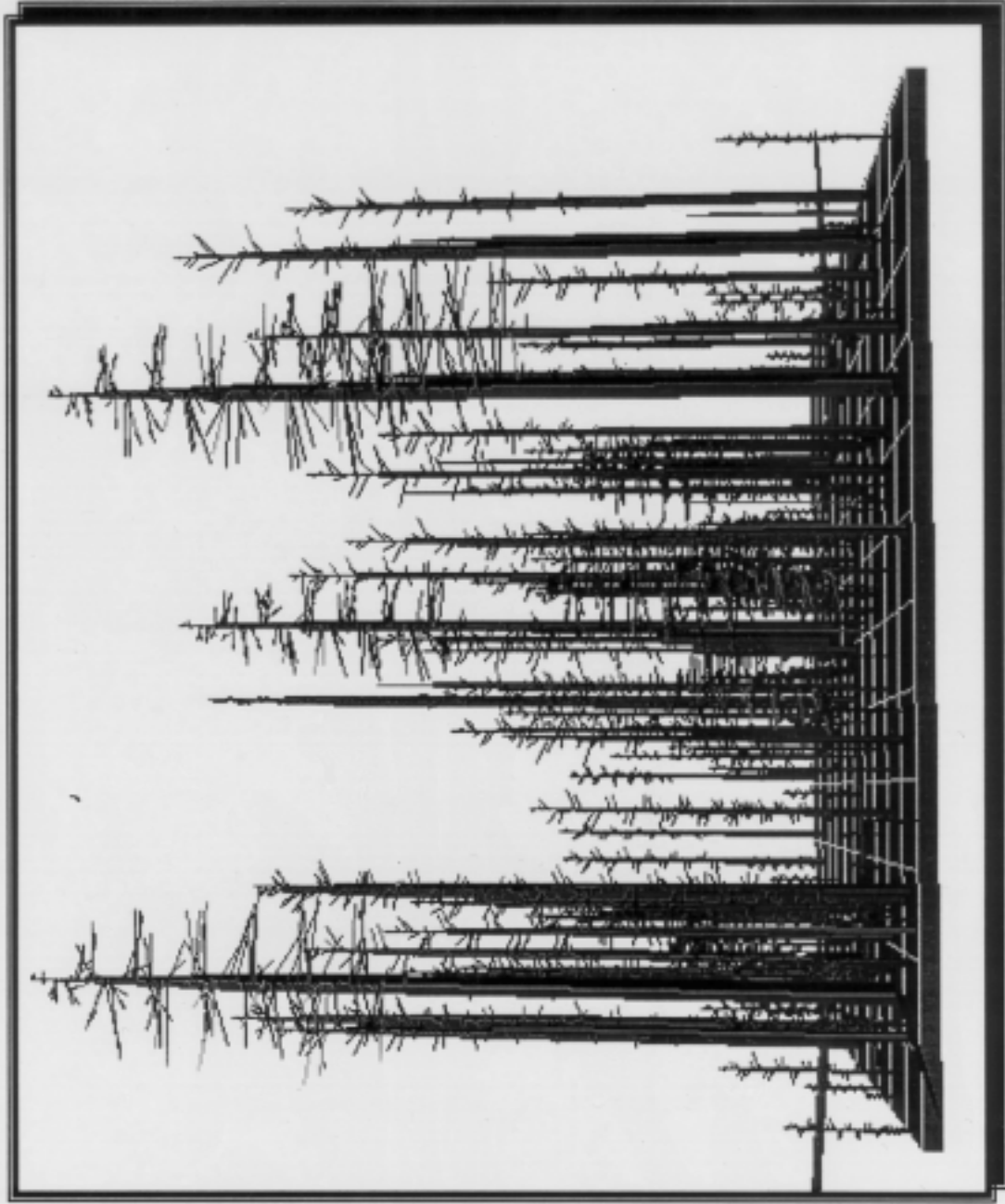
# Dense Ponderosa Pine - Douglas-fir Stand with Fire Exclusion

Ponderosa Pine dominant in the overstory, with Douglas-fir and Grand fir dominant in the midstory and understory.

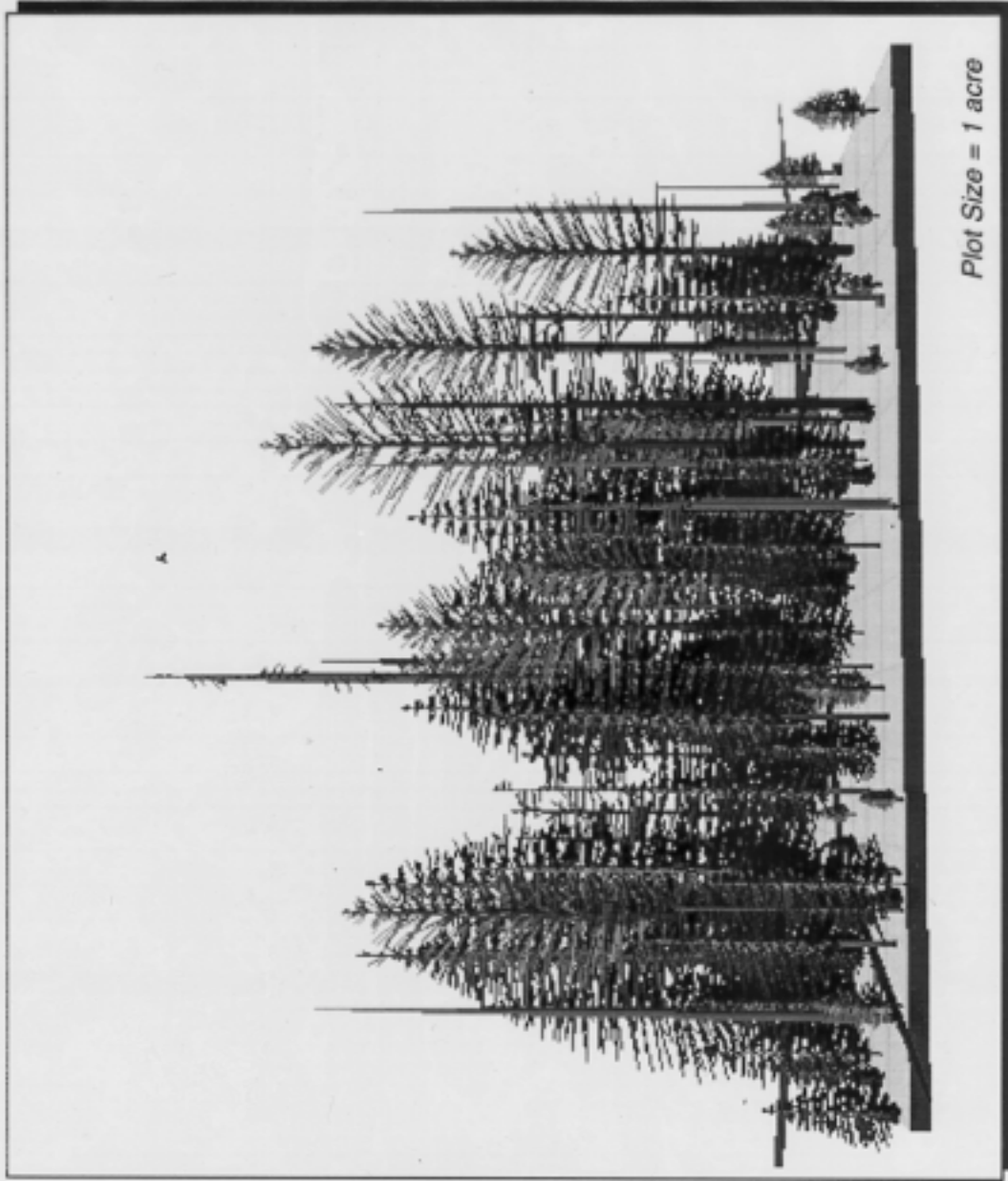
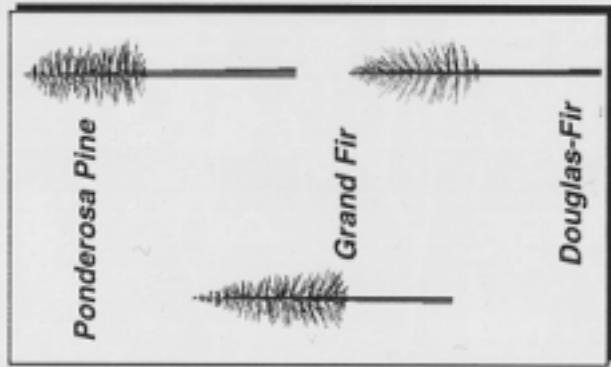


Profile View

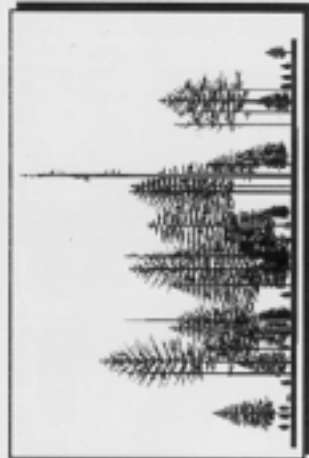
# Dense Ponderosa Pine - Douglas-fir Stand Following Wildfire



# Dense Ponderosa Pine - Douglas-fir Stand with Fire Exclusion Following Large Tree Removal - Removal of the largest (>20 inches diameter), highest quality trees from the stand



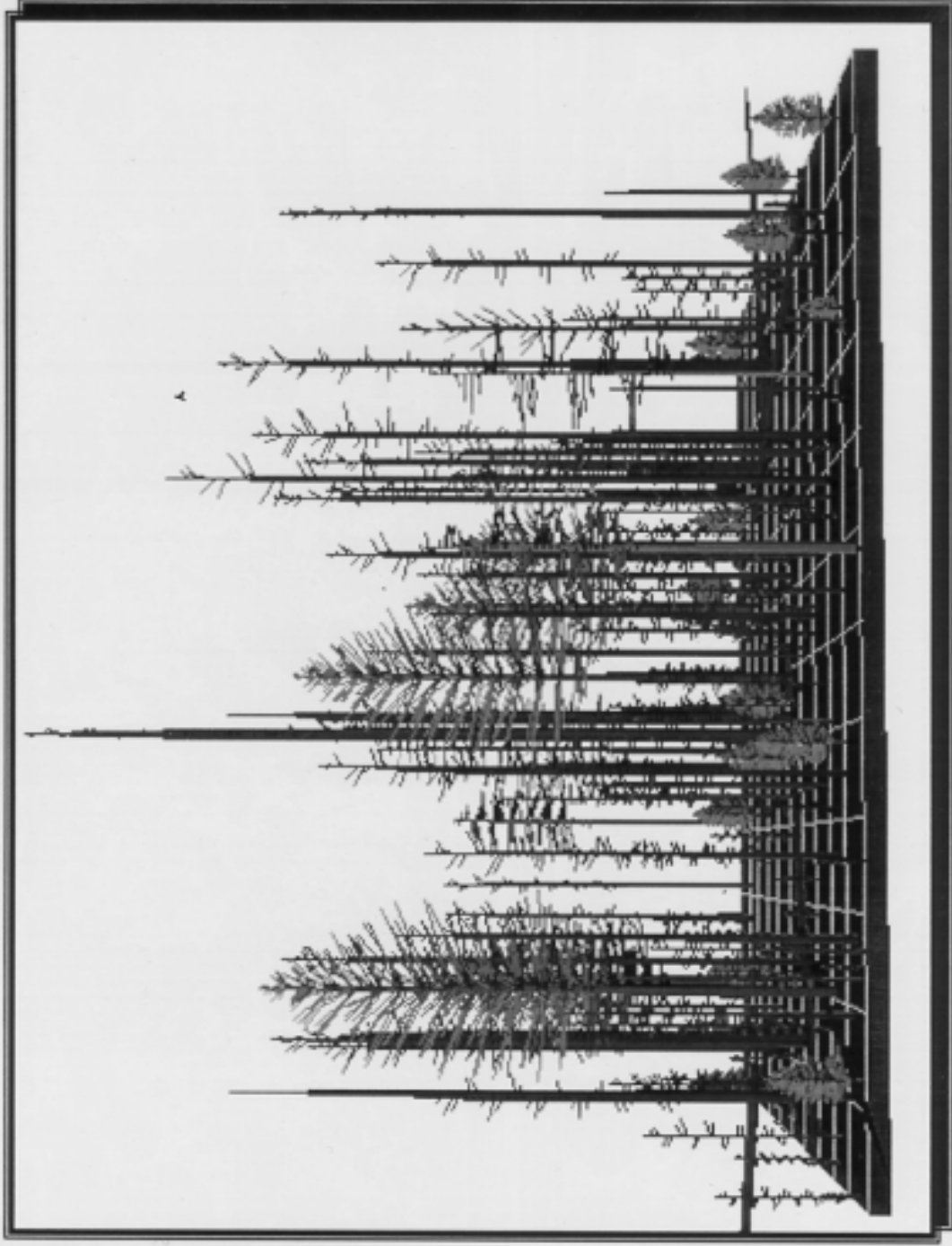
Plot Size = 1 acre



Profile View

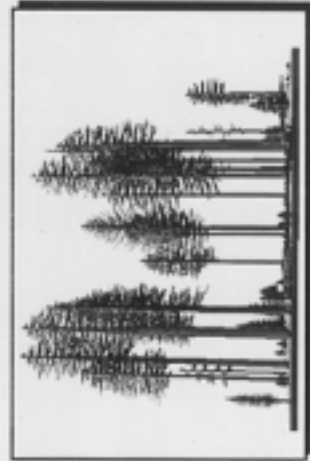
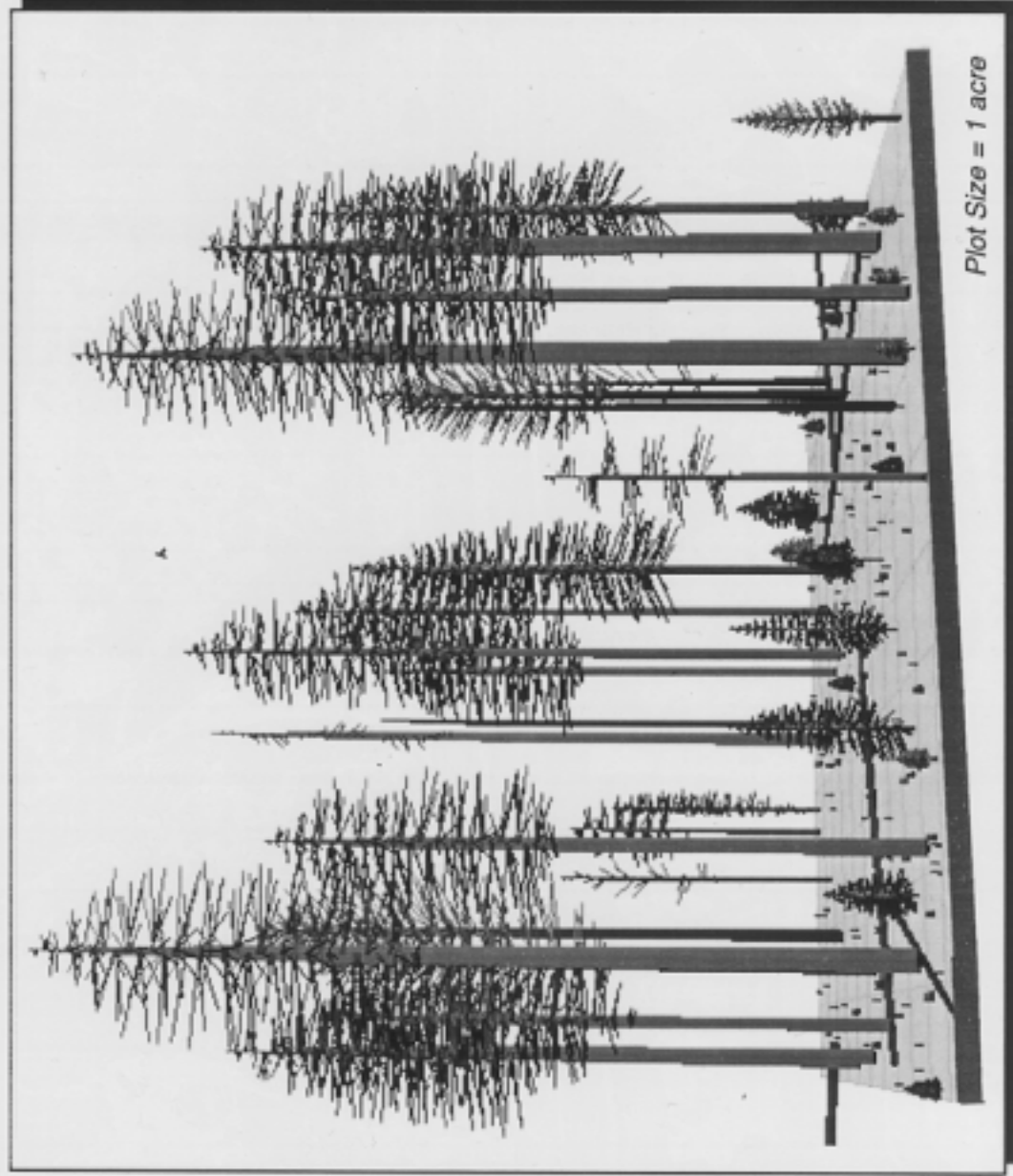
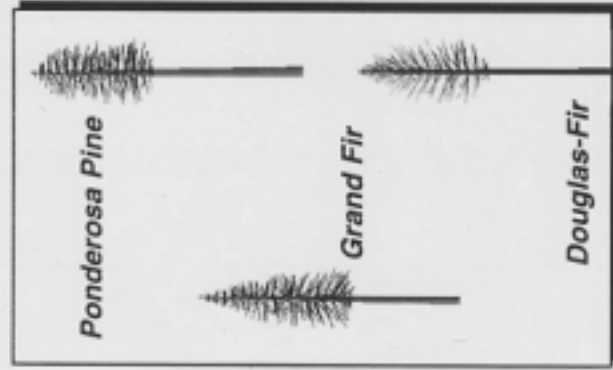


# Dense Ponderosa Pine - Douglas-fir Stand Following Large Tree Removal and Wildfire



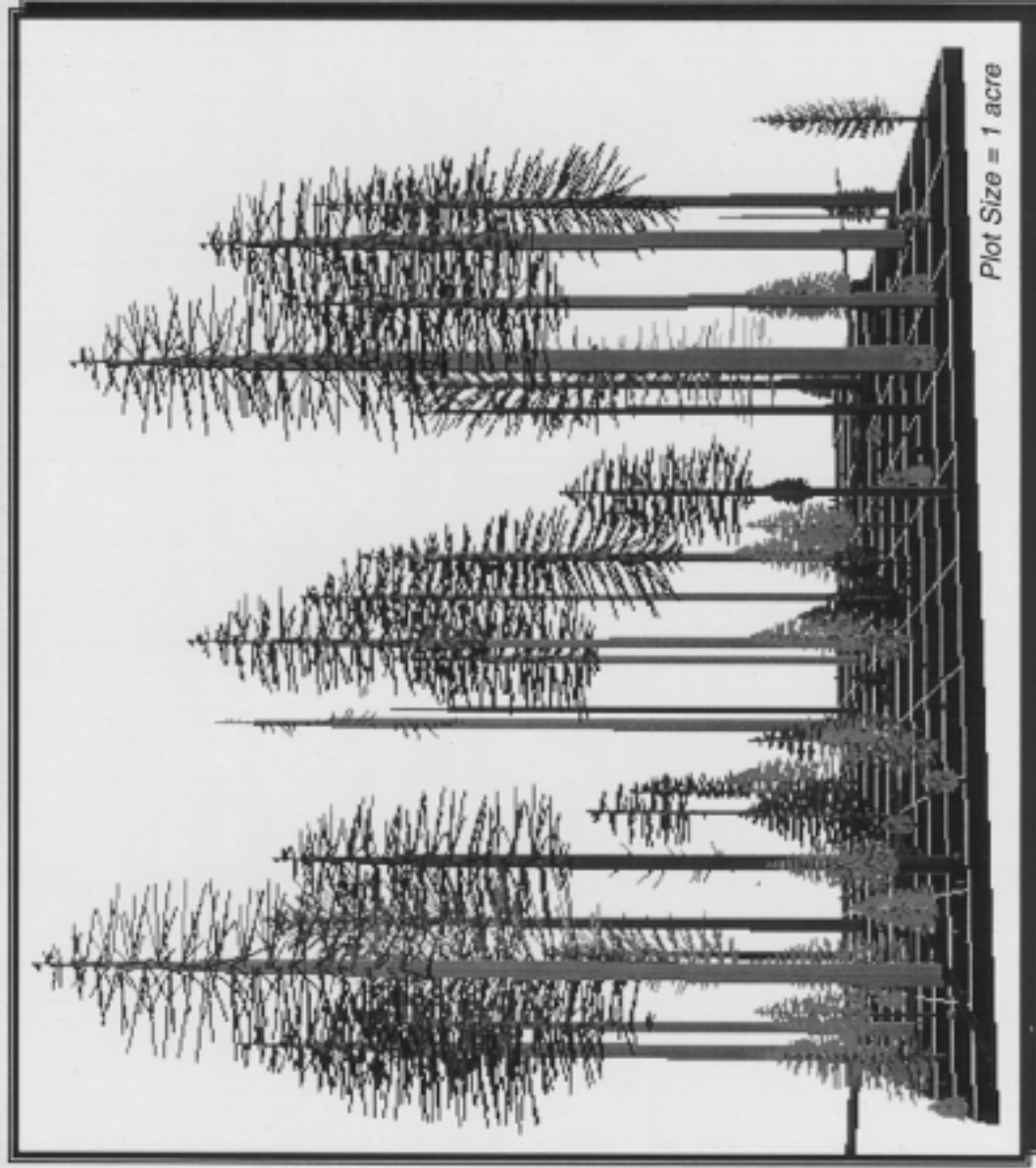
# Dense Ponderosa Pine - Douglas-fir Stand with Fire Exclusion Following Restoration Thinning - *Precommercial understory thinning followed by*

*a diameter limit cut (<20 inches).*



Calvin Farris - Univ. of Idaho 9/96

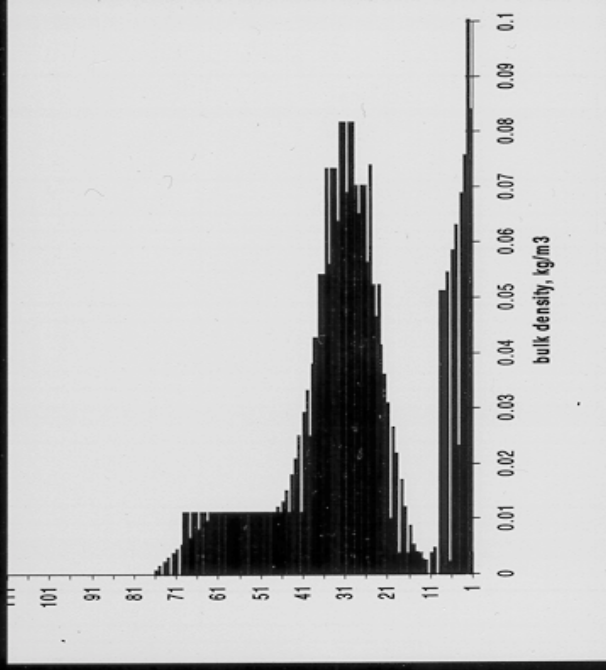
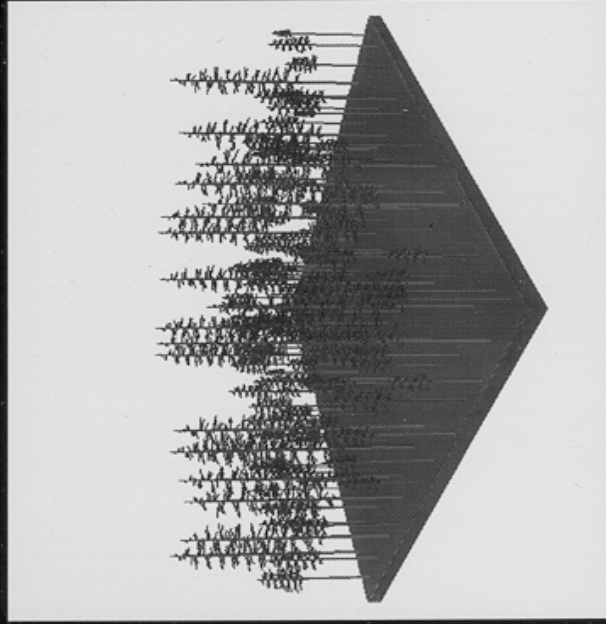
# Dense Ponderosa Pine - Douglas-fir Stand Following Restoration Thinning and Fire

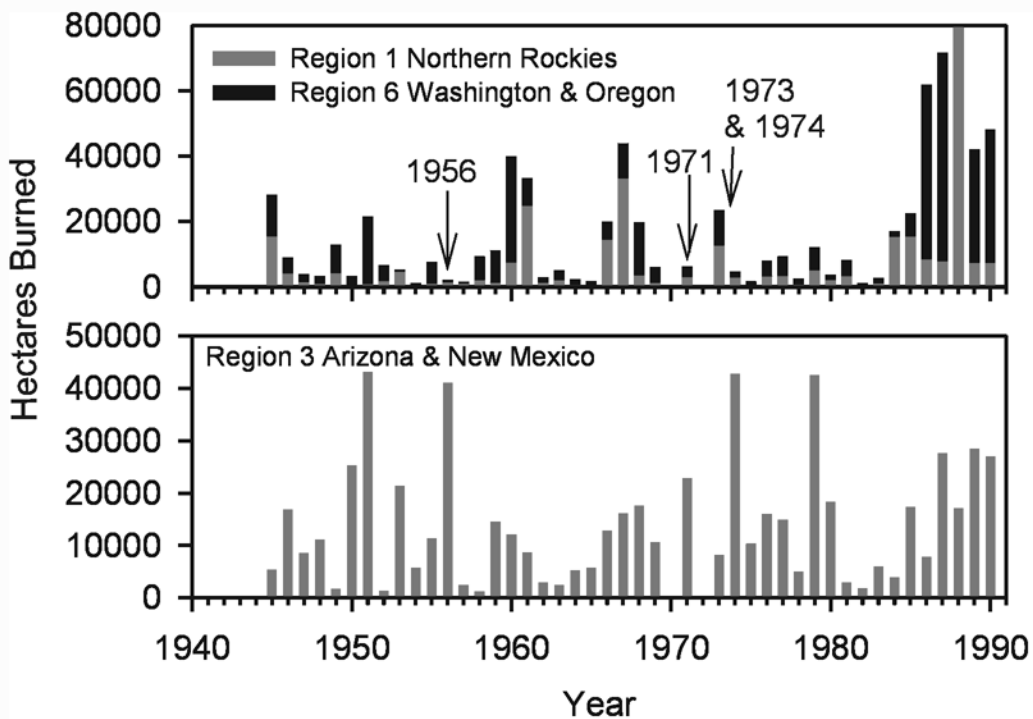




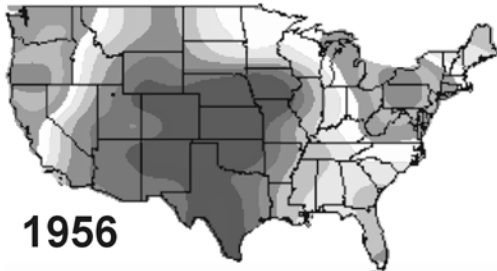
## Crown Bulk Density

- Fuel above ground that carries a crown fire
- Comprised of needles, small branches
- Measured in Kg/m<sup>3</sup>

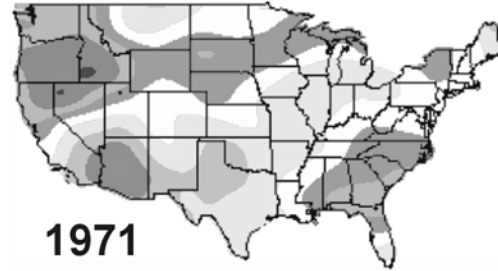




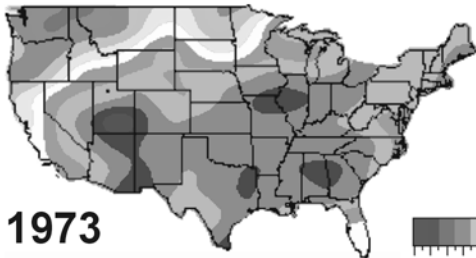
**High Fire Activity in SW  
 Low Fire Activity in NW**



**High Fire Activity in SW  
 Low Fire Activity in NW**



**High Fire Activity in NW  
 Low Fire Activity in SW**



**High Fire Activity in SW  
 Low Fire Activity in NW**

