

GROWING SPACE RATIO AS RELATED TO FORM AND
DEVELOPMENT OF WESTERN WHITE PINE

A Thesis

Presented in partial fulfillment of the requirements for the
Degree of Master of Science in Forestry in the
School of Forestry

Of the

University of Idaho Graduate School

By

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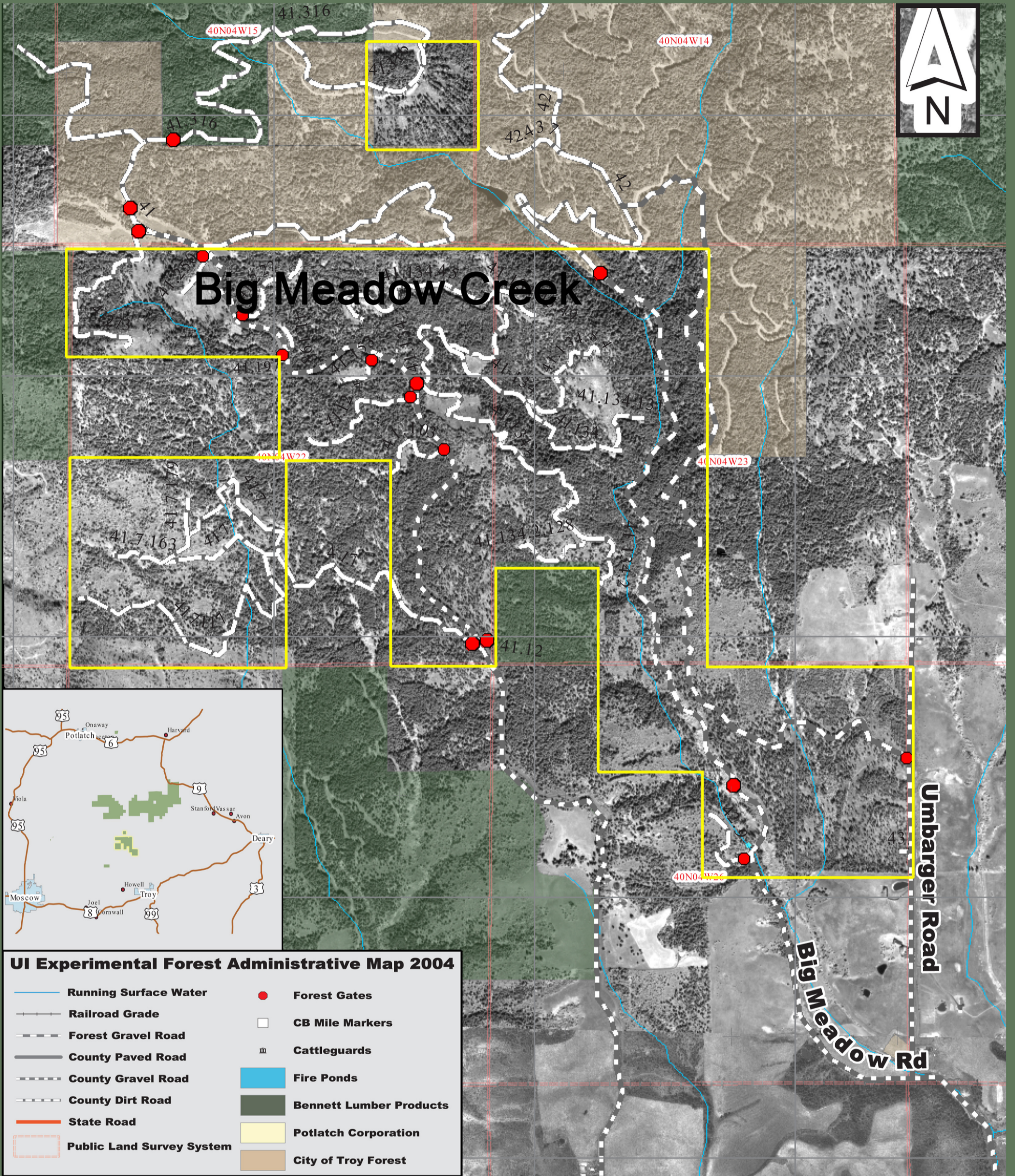
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SUMMARY AND CONCLUSIONS

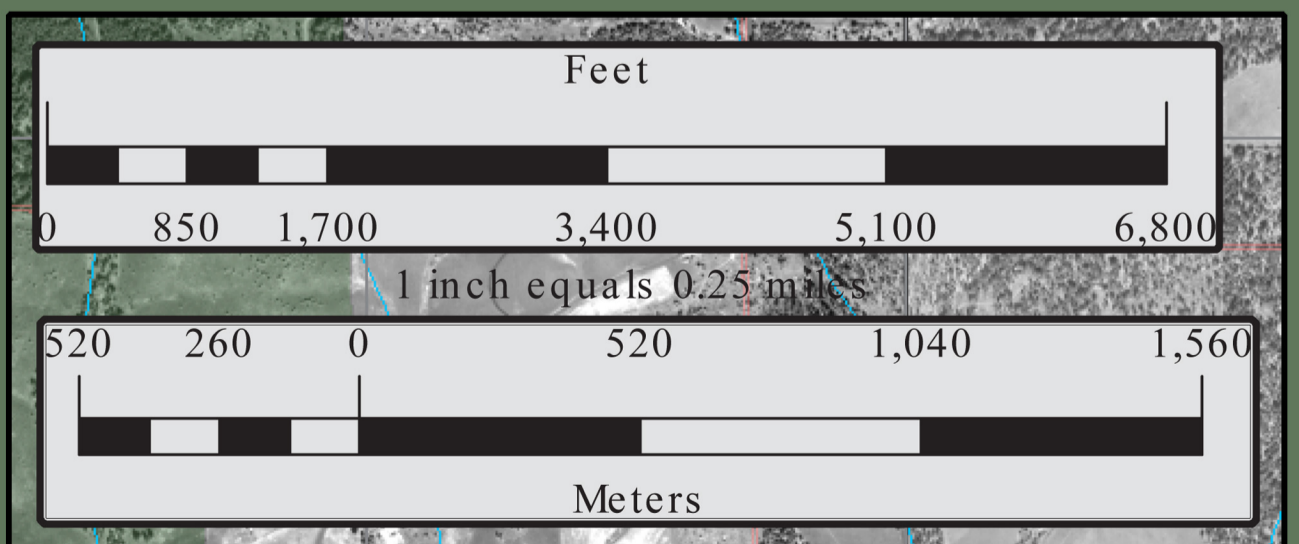
The amount of growing space available to a tree has an important bearing on its form and development throughout life. Regulation of relative growing space through thinnings is the primary means the forester uses to control form and rate of growth so that the resulting product will yield the greatest financial return. Little specific information is available as to the growing space requirements of western white pine when growing in less than fully-stocked stands. Still less is known about how the species develop under varying conditions of relative growing space.

Study Site

Meadow Creek, located ten miles north of Troy, Idaho. Trees measured were located near the bottom of a west facing slope in a small, steep draw. The white pine were scattered singly or in small groups in openings of an older stand of western red cedar and grand fir. Occurring with the white pine and replacing it in many of the openings were groups of grand fir and Doug fir. These and the pine were in about the same age class, fifty years old. The general effect was dense uneven aged stand of mixed species in which the white pine occurred as a codependent of the younger age class in openings of the older stand. As a result there was a considerable variation in the degree of competition encountered by the individual western white pine trees, although the majority had attained a dominant or co-dominant position in the younger stand. Site index was computed to be 81.



Big Meadow Creek Unit





Location of Complete Research:

Author & Title: **Arnold, Dale L.**
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College of Natural Resources:

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Other Sources: