THE RESPROUTING RESPONSE OF INDIVIDUAL NINEBARK SHRUBS TO HEATING FROM HIGH, MEDIUM AND LOW SEVERITY BURN, AND CLIPPING TREATMENTS

A thesis

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By

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ABSTRACT

Sixty shrubs at two sites on the Douglas-fir/ninebark (<u>Pseudotsuga</u> <u>menziesii/Physocarpus Malvaceus</u>) habitat type were randomly assigned to high, medium, or low severity burn, or clipping treatments. Treatments were applied in April and May 1990 and the resprouting response of the shrubs was recorded throughout the growing season. Total twig extension and dry weight were measured at the onset of dormancy. Time-temperature curves were developed from temperature measurements recorded during the burn treatments to compare the effects of the three burn severities at 2-, 5-, and 7-cm depths below the soil surface. There was a significant difference in area under the time-temperature curve between high and low severity burns (p < .0022). No differences in the biomass of the regrowth were found between the four treatments (p < .3840). Timing of regrowth (height and number of sprouts) did not differ between treatments.

Study Site:

Location of Complete Research:

Author & Title: Lea, Siw Marie, The Resprouting Response of Individual Ninebark Shrubs to Heating From High, Medium, and Low Severity Burn, and Clipping Treatments University of Idaho Library:

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College of Natural Resources:

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Other Sources:











