TRIAL SUMMARY FORMAT

SX 87503

TITLE Research Trial of Hand Mounding Site Preparation Trial

OFFICER I/C J. Maxwell

LOCATION Anglemont

REGION/DISTRICT Kamloops/Salmon Arm

OBJECTIVE To determine the field performance of seedlings grown on four microsite types. These include 2 different mound microsites, and scalped and untreated microsites.

PROGRESS Hand mounds and scalped microsites established June 29 to July 5, 1987.

Working Plan in preparation

NEXT SCHEDULED ASSESSMENT/TREATMENT

Microsites to be tagged Fall, 1987
Microsites to be planted and tagged Spring, 1988

REPORT DISTRIBUTION Silviculture Branch - SX Trial Coordinator
Working Plan & Final Report - Library Silviculture Branch
Kamloops Regional Office - Silviculture/ECology
Salmon Arm District office - Silviculture isT
WORKING PLAN

HAND MOUNDING SITE PREPARATION TRIAL

RON WELLMANN

ALLISON CANDY
OBJECTIVES

To determine the field performance of Spruce seedlings in an Engelmann Spruce-Subalpine Fir biogeoclimatic subzone in four different mound microsites.

LOCATION

The trial is located in the Mag Fire Ross Creek area of the Kamloops Forest District.

Trial Stock

<table>
<thead>
<tr>
<th>Seedlot #</th>
<th>Stock Type</th>
<th>Nursery</th>
</tr>
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<tbody>
<tr>
<td>4032</td>
<td>Se PSB313</td>
<td>Hybrid</td>
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Plot Design

The trial consists of four treatment types having 50 trees each. Due to slash the rows are not straight and spacing not uniform but all treatments are tagged and flagged. Tags number from 1851 to 2050. Mounds are colour coded as follows:

BLUE   2 mineral on inverted organic
RED    3 scalped patch
ORANGE 4 untreated (see diagram)
YELLOW 6 mineral on mineral

The treatments are laid out in the following sequence:
2, 2, 6, 3, 3, 4, 4, 3, 2, 6, 6, 4
SITE PARAMETERS

The trial is located on a bench with a slight southern aspect of 4% on an eastern facing mountain slope overlooking Seymour Arm of Shuswap Lake.

The soils of the trial can be divided into two sections. An eastern section of Sombric Humo Feeric Podgol with a thick Ah horizon and well decomposed Mullmoder humus of 6cm. The western section is dominantly Orthic Pero Humic Podgol with Ae horizon varying in depth from 2–6 cm and a thin Velomoder humus averaging 2 cm.

Textures are generally sandy loams with a moderate amount of gravels, unsorted and subangular from morainal and colluvial parent materials.

The site is in the Interior Wet Belt (also called the Moist Western Forested) region. It was surveyed after heavy rainfall and soil pits filled in with water between 33 and 65 cm. However, given slope position, texture, and lack of mottling the site is considered well drained with a mesic moisture regime and a mesotrophic nutrient regime. The eastern section would vary from this by having moderately well drainage, mesic-subhyric NR and meso-permeso NR. The trial is in the Cariboo Monashee Moist Central ESSFm2. An extensive wildfire in 1967 burnt this area.

:JM:ew/7104X
Head out of Anglemont towards Seymour Arm on Ross Cr. Road.
1. Turn right at 13.5 km
2. Trial
3. Located 50 m in from road.

To Anglemont

Seymour Arm

Shuswap

Seymour Arm

Lake