SX 85114C

COMPARISON OF TWO DIFFERENT STOCK TYPES OF INTERIOR SPRUCE

Working Plan
1984

K. Powell
(Weldwood of Canada Ltd.)
WELDWOOD OF CANADA LIMITED
100 MILE HOUSE OPERATIONS

PLANTING - 1984

TITLE: Comparison of Two Different Stock Types of Interior Spruce - Seedlot No. 4004 on a Freshly Burned Site

INVESTIGATOR: Kelly Powell, Forestry Superintendent

ESTABLISHMENT DATE: 2+0 Bareroot planted June 2nd, 1984, 1+0 Plug planted June 11th, 1984.

PLANTING STOCK: Interior Spruce, Seedlot No. 4004; 2+0 Bareroot versus 1+0 Plug 313.

LOCATION: Off the Hendrix Lake Mining Road; Lac La Hache P.S.Y.U.; Cutting Permit 61, Block 1.

BIOGEOCLIMATIC SUBZONE: ESSFh

LAYOUT: 1 block of 3 rows of 25 each of 1+0 Plug 313
1 block of 3 rows of 25 each of 2+0 Bareroot
2.4m spacing
Reference sign to east of block - west of access road.

STAKING AND LABELING: The area has been ribboned out in PINK RIBBON.
The trees have been flagged.
The blocks have a stake in front of the middle row.

PLANTING NOTES: 1. 1 planter from Nomadic Silviculture planted the bare-root stock, 2 planters (Company representatives) planted the 1+0 Plug stock.

2. Stock was shovel planted.

3. Weather was dry and hot. Soil was moderately wet.

STOCK CONDITION: Bareroot stock showed some flushing, the roots were quite dry, and some botrytis was evident.
- 1984 SPRING PLANTING
- CP 46 A02742 BLK 1; 1" = 20 ch.
- 100 MILE TSA; CANIM SUPPLY BLOCK
- 2.4 m INTERTREE (2.36 m sq.) SPACING = 9 trees/plot

<table>
<thead>
<tr>
<th>Ha Planted</th>
<th># of Trees</th>
<th>Species &amp; Type</th>
<th>Seedlot</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>34</td>
<td>Sx 2-0 BR</td>
<td>4004</td>
</tr>
<tr>
<td>B</td>
<td>1</td>
<td>F1-0 PSB 313</td>
<td>1615</td>
</tr>
<tr>
<td>C</td>
<td>7</td>
<td>Sx 2-0 BR</td>
<td>4005</td>
</tr>
<tr>
<td>D</td>
<td>4</td>
<td>Sx 2-0 PSB 211</td>
<td>4301</td>
</tr>
</tbody>
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SURVIVAL LINE #1 - 545W 100 TREES
LINE #2 - 545W 50 TREES
LINE #3 - 560E 60 TREES

- 1984 SPRING PLANTING
- CP 61 A20001 BLK 1; 1" = 20 ch.
- 100 MILE TSA; CANIM SUPPLY BLOCK
- 2.4 m INTERTREE (2.36 m sq.) SPACING = 9 trees/plot

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<th>Seedlot</th>
</tr>
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<tbody>
<tr>
<td>A</td>
<td>3</td>
<td>Sx 2-0 BR</td>
<td>4004</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>F1-0 PSB 313</td>
<td>1615</td>
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<tr>
<td>B</td>
<td>27</td>
<td>Sx 2-0 BR</td>
<td>4005</td>
</tr>
<tr>
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<td>Sx 2-0 BR</td>
<td>4005</td>
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<td>28,600</td>
<td>Sx 2-0 PSB 211</td>
<td>4301</td>
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<tr>
<td></td>
<td>2,000</td>
<td>Sx 2-0 PSB 211</td>
<td>3688</td>
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SURVIVAL LINE #1 - 545W 100 TREES
WELDWOOD OF CANADA LIMITED
100 MILE HOUSE OPERATIONS

PLANTING 1984

TITLE: Comparison of Two Different Stock Types of Interior Spruce
        Seedlot 4004 on a Freshly Burned Site.

OBJECTIVE: To check field performance of 2+0 Bareroot versus 1+0 Plug
313's. SxBBR Seedlot 4004 will be planted operationally
on block, and a trial will be set up to compare Bareroot
to Plugs.

LOCATION: Cutting Permit 58 of Forest Licence A20001, Block 1, Dietrich
Creek (100 km. N.E. of 100 Mile House).

DESIGN: Fully Randomized

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<tbody>
<tr>
<td>S2+0BR</td>
<td>S2+0BR</td>
<td>S1+0P1</td>
<td>1+0P1</td>
<td>1+0 Plug</td>
<td>2+0BR</td>
</tr>
</tbody>
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25 trees in rows 2m apart.

STAKING & LABELLING: Cedar stakes will be placed at each corner and at each row,
and each stake will be labeled: species, seedlot, trial.
Each tree will be marked with a wire flag. All marking will
be done prior to planting.

ASSESSMENT: Survival will be checked after 1, 2, and 4 years. Height
will be measured after 2 and 4 years. Diameter will be
measured after 4 seasons. Data will be analyzed by the
Cariboo Research Station.

SEEDLINGS: I will require 100 Sx 1+0 PSB 313 Seedlot 4004; and I will
have Sx 2+0 BBR Seedlot 4004 on site operationally.