TRIAL SUMMARY

'SX 85115C'

Title: Comparison of 1 + 0 PSB 211 seedlot 3786 grown at two different nurseries (Vernon & Koksilah)

Officer I/G: Kelly Powell, Weldwood of Canada Ltd., 100 Mile House

Location: Forest Licence A20001, CP 19, Blk 5, Hendrix Lake

Region/District: Cariboo/100 Mile House

Objective: To check field performance of Lodgepole pine 1 + 0 PSB 211 (Seedlot 3786) grown at two different nurseries (Vernon and Koksilah).

Progress: The survival that was recorded after 3 growing seasons in the fall of 1986 was below acceptable values for Pli at 24% (Koksilah) and 46% (Vernon). The low survival can be attributed to poor seedling condition at the time of planting. No further useful information can be obtained from this trial due to the high mortality.

Next Schedule Assessment/Treatment: [Cancelled]

Report Distribution: Interim Report/March 1987

Silviculture Branch Library, Victoria
Silviculture, Cariboo Region
100 Mile House Forest District

Abandoned

Project cancelled due to high mortality in 1987
Comparison of Lodgepole Pine 1+0 PSB 211 (Seedlot 3786) grown at two different nurseries (Vernon and Kokislah)

Officer i/c: Steve Christiansen

Location: Forest Licence A20001, C.P. 19 61K. 5, Hendrix Lake

Region/District or Nursery: Cariboo/100 Mile House Forest District

Objective: To check field performance of Lodgepole pine 1+0 PSB 211 (Seedlot 3786) grown at two different nurseries (Vernon and Kokislah).


Next Scheduled Assessment/Treatment: Assessments Fall, 1987

Report Distribution: Silviculture Branch Library
Silviculture, Cariboo Forest Region
100 Mile House Forest District

Abandoned

Abandoned

April 1987
TRIAL SUMMARY

Title: Comparison of 1 + 0 PSB 211 seedlot 3786 grown at two different nurseries (Vernon & Koksilah)

Officer I/C: Kelly Powell, Weldwood of Canada Ltd., 100 Mile House

Location: Forest Licence A20001, CP 19, Blk 5, Hendrix Lake

Region/District: Cariboo/ 100 Mile House

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Next Schedule Assessment/Treatment: Cancelled

Report Distribution: Interim Report/March 1987

Silviculture Branch Library, Victoria
Silviculture, Cariboo Region
100 Mile House Forest District
January 14, 1987

Regional Manager,
Ministry of Forests and Lands,
540 Borland Street,
Williams Lake, B.C.,
V2G 1R8

ATTENTION: RESEARCH

Dear Sirs:

Re: Silviculture Research Project No's. C8408 and C8409

Attached are plot cards showing 1986 checks on the above research projects. Items checked were stem diameter, height, leader growth (all measured in centimeters) and survival. The following are survival summaries for the two projects.

<table>
<thead>
<tr>
<th>Project</th>
<th>Species</th>
<th>Stock Age</th>
<th>And Type</th>
<th>1984 Survival %</th>
<th>1986 Survival %</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8408</td>
<td>Sx</td>
<td>1+0  PSB</td>
<td>313</td>
<td>100</td>
<td>95</td>
</tr>
<tr>
<td></td>
<td>Sx</td>
<td>2+0</td>
<td>BR</td>
<td>85</td>
<td>64</td>
</tr>
</tbody>
</table>

Nursery

<table>
<thead>
<tr>
<th>Project</th>
<th>Species</th>
<th>Stock Age</th>
<th>And Type</th>
<th>1984 Survival %</th>
<th>1986 Survival %</th>
</tr>
</thead>
<tbody>
<tr>
<td>C8409</td>
<td>PI</td>
<td></td>
<td>Koksilah</td>
<td>29</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>PI</td>
<td></td>
<td>Vernon</td>
<td>68</td>
<td>46</td>
</tr>
</tbody>
</table>

Please contact me if you require any additional information. According to my files, final checks are required in 1988.

Yours truly,

WELDWOOD OF CANADA LIMITED
100 MILE HOUSE OPERATIONS

K. Powell

Kelly Powell, R.P.F.
Forestry Superintendent

Kp/nf

Encl.
Results from growth measurements:

The following data is from measurements taken on SX85114C and SX85115C in the fall of 1986. The trial was established in June 1984 by Weldwood in 100 Mile House.

<table>
<thead>
<tr>
<th>SX Trial No.</th>
<th>SX 85114C</th>
<th>SX 85115C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Species</td>
<td>Species</td>
</tr>
<tr>
<td></td>
<td>SX</td>
<td>SX</td>
</tr>
<tr>
<td>Stock type/nursery</td>
<td>1+0 PSB 313</td>
<td>2+0 BR</td>
</tr>
<tr>
<td>Caliper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean (cm)</td>
<td>0.43</td>
<td>0.41</td>
</tr>
<tr>
<td>Std</td>
<td>0.112</td>
<td>0.139</td>
</tr>
<tr>
<td>N.</td>
<td>67</td>
<td>33</td>
</tr>
<tr>
<td>Total Height</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean (cm)</td>
<td>30.1</td>
<td>25.2</td>
</tr>
<tr>
<td>Std</td>
<td>7.34</td>
<td>8.11</td>
</tr>
<tr>
<td>N.</td>
<td>67</td>
<td>32</td>
</tr>
<tr>
<td>Leader Growth</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mean (cm)</td>
<td>4.9</td>
<td>5.1</td>
</tr>
<tr>
<td>Std</td>
<td>4.42</td>
<td>3.0</td>
</tr>
<tr>
<td>N.</td>
<td>67</td>
<td>32</td>
</tr>
</tbody>
</table>

After talking to Kelly Powell, we decided to cancel SX85115C due to the high mortality given in their report of January 14, 1987. SX85114C will be assessed after five growing seasons in 1988.