Demonstration Spacing in the Hance's Timber Area of the 10R

officer 1/c: Graeme McIntosh
Location: 50 miles west of Williams Lake
Region/district of Nursery: Cariboowilliams Lake Forest District
Objective: To perform silviculture treatments aimed at growth and yield studies in interior Douglas-fir.
Progress: Trial established Spring, 1984.
Next Scheduled Assessment/Treatment: Assessment Fall '87
Report Distribution: Silviculture Branch Library

Initial survey was completed but it was not completed (formalized) with staked plots.

April 1987
Demonstration Spacing in the Hance’s Timber Area of the IDF (Undiff.)

Throughout the Cariboo dry-belt there are extensive areas of clumpy, overstocked Douglas-fir advance regeneration remaining after selective logging. Competition can be very severe in these clumps as evidenced by the degree of release seen in trees adjacent to openings. Juvenile spacing has now become common practice in the IDF(b) subzone but only a few areas have been treated in the IDF (undiff). The area shown on the map (Appendix 1) has been selected as a demonstration site to show the results of three spacing prescriptions.

Spacing Prescriptions

The total area of 10 ha. (200 m X 500 m) has been divided into three separate treatment areas (Appendix 2). Each area has a distinct spacing prescription:

Area 1 - approximately 6.0 ha with felling of all pine stems to leave a pure Douglas-fir residual stand
   - Douglas-fir was not spaced;

Area 2 - approximately 2.5 ha with felling of all pine stems and spacing of the residual Douglas-fir to 2 metres X 2 metres;

Area 3 - approximately 2.5 ha with felling of all pine stems and spacing of the residual Douglas-fir to 4 metres X 4 metres.

The spacing work was done during March 22 – May 22, 1984.

Assessment

No permanent sample points have been established in the areas. Because of the demonstration nature of the project it is proposed to allow the stands to develop for several years before any growth assessments are done.

Assessments will include a measure of pre-spacing density by counting stumps. Height response to release will be assessed by measuring distance between crown nodes for growth periods before and after spacing.
SX 84407C

DEMONSTRATION SPACING IN THE HANCO'S TIMBER AREA OF THE IDF

Working Plan
1984

G. McIntosh
Demonstration Spacing in the Hance's Timber Area of the IDF (Undiff.)

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<table>
<thead>
<tr>
<th>DISURBANCE: 82</th>
<th>SITE PREPARATION: 1</th>
<th>REGENERATION: 1</th>
<th>STAND TENDING: 0</th>
</tr>
</thead>
<tbody>
<tr>
<td>YEAR: 1983</td>
<td>AREA: 4.56 ha.</td>
<td>METHOD: Joint Assesment (SR + Species Area)</td>
<td>YEAR: 2002</td>
</tr>
<tr>
<td>PO:</td>
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<td></td>
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<tr>
<td>ASH:</td>
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<tr>
<td>TOTAL AREA: 67.2 ha.</td>
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</tbody>
</table>

REMARKS: Diameter Limit 30 cm/hec