Working Plan: Sx 90501V

TITLE: Growth of Yellow Cedar on Mounded and Unmounded Queen Charlotte Lowlands Sites (CWWhhl)

OBJECTIVE: To assess the growth of yellow cedar on site prepared (mounded) vs. unprepared ground on a wet Queen Charlotte Lowlands site.

LOCATION: Opening no. 014, Mapsheet 103F080; approximately 10km north of Pt. Clements, B.C. (see map attached).

TRIAL STOCK:

<table>
<thead>
<tr>
<th>Seedlot</th>
<th>Stock Type</th>
<th>Code</th>
<th>Nursery</th>
</tr>
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<tbody>
<tr>
<td>04551</td>
<td>CRC 313A</td>
<td>1+0</td>
<td>SRM</td>
</tr>
</tbody>
</table>

DESIGN AND STOCK REQUIREMENTS: Two treatments: mounded and unmounded

Plant 400 trees/treatment; 800 Yc in total
Mounded inter-tree spacing: 800 sph
Unmounded inter-tree spacing: 800 sph

40 heights (root collar to terminal bud tip) per treatment taken for comparison. Lines for measurement will be laid out soon after planting, and run through plantation at a random angle, crossing plantation rows. All trees along the line will be marked with metal tags and flagging to ensure easy future measurement. Lines will be mapped after establishment.

Stock will be vexar taken.

DATES OF PLANTING AND ASSESSMENT: Area laid out in October, 1990.
Planting will take place in April-May, 1991.
Initial height measurements will be taken at time of line establishment.
Assessments: Fall 1991, Fall 92, Fall 93, Fall 94, and Fall 95.
Total heights taken and tree condition: good, fair, poor, chlorotic.

DATA ANALYSIS AND REPORTING: A T-test done on average heights (mounded vs. unmounded) after second assessment, with growth summary and interim report prepared. In subsequent years, T-tests will be done on average heights.
Final report will be drawn up in 1995, using final T-test and yearly growth summaries (taking tree condition into account also).

REPORT DISTRIBUTION: Silviculture Branch Library, Victoria
Silviculture, Vancouver Region
District Manager, Q.C.I. Forest District
Working Plan: Sx 90501V

TITLE: Growth of Yellow Cedar on Mounded and Unmounded Queen Charlotte Lowlands Sites (CWHwh1)

OBJECTIVE: To assess the growth of yellow cedar on site prepared (mounded) vs unmounded ground on a wet Queen Charlotte Lowlands site. In addition to mounding, Gromax "teabag" fertilizer will be added to the planting holes of half the yellow cedar seedlings to assess the effect of mounding and fertilizing (and other combinations) on growth.

LOCATION: Opening no. 014, Mapsheet 103F080; approximately 10km north of Pt. Clements, B.C. (see map attached).

TRIAL STOCK: Seedlot Stock Type Code Nursery
04551 CRC 313A 1+0 SRM

DESIGN AND STOCK REQUIREMENTS: Four treatments: mounded and fertilized; mounded and unfertilized; unmounded and fertilized; unmounded and unfertilized (control).
Plant 250 trees/treatment; 1000 Yc in total
Trees protected by 5 in. Vexar mesh tubes
Mounded inter-tree spacing: 800 sph
Unmounded inter-tree spacing: 800 sph

40 heights (root collar to terminal bud tip) per treatment taken for comparison. Lines for measurement will be laid out soon after planting, and will be installed down the centre of each treatment block. All trees along the line will be marked with metal tags and flagging to ensure easy future measurement. Lines will be mapped after establishment.

DATES OF PLANTING AND ASSESSMENT: Area laid out in October, 1990.
Planting will take place in April-May, 1991.
Initial height measurements will be taken at time of line establishment.
Assessments: Fall 1991, Fall 92, Fall 93, Fall 94, and Fall 95.
Total heights taken and tree condition: good, fair, poor, chlorotic.

DATA ANALYSIS AND REPORTING: An Anova will be done on average heights (mounded, vs. unmounded; fertilized, unfertilized) after first assessment, with growth summary and interim report prepared. In subsequent years, Anovas may be done on average heights. A final Anova will be
done after the Fall of 1995.

Final report will be drawn up in 1995, using final
Anova and yearly growth summaries (taking tree
condition into account also).

REPORT DISTRIBUTION: Silviculture Branch Library, Victoria
Silviculture, Vancouver Region
District Manager, Q.C.I. Forest District