SX 8510BC

DIRECT SEEDING TRIALS

Working Plan
1985

S. Christiansen
DIRECT SEEDING TRIALS
REVISED WORKING PLAN

February 15, 1985

OBJECTIVES: 1) To compare direct seeding versus planting of Fdi, P1, and Sx.
2) To compare direct seeding versus direct seeding with the aid of a funnel applicator.

LOCATION: 1) Cutting Permit 46 of T.S.H.L. A02742, Block 3, Hendrix Lake (see map number 1).
2) Cutting Permit L of T.S.L. A10425, Block 1, Murphy Lake (see map number 2).

EXPERIMENTAL DESIGN: Randomized Block

Layout Location 1) Hendrix Lake
ICH(b)

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C G B A I H
A G A T E B
C F D H D C
F I D F H E
I B D H G E
G C B E A F
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Layout Location 2) Murphy Lake
SBS(k)

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H B D B D I
D E H F E F
I F I G B A
G C B E G C
D A C A E F
C G H A H I
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Where Unit A = Fdi, seedlings
B = Fdi, seeds
C = Fdi, seeds in "Cerbel Funnel"
D = P1, seedlings
E = P1, seeds
F = P1, seeds in "Cerbel Funnel"
G = Sx, seedlings
H = Sx, seeds
I = Sx, seeds in "Cerbel Funnel"
Direct Seeding Trials Revised Working Plan Cont'd:

Each unit or cell will have 25 spots, 2 metres apart in a 5x5 matrix.

Three seeds will be seeded per spot as any more will crowd the plastic cones.

The trial should commence May 15th, 1985.

MEASUREMENT, ANALYSIS, AND REPORTING:

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<tbody>
<tr>
<td>Survival (stocking)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Height Growth</td>
<td></td>
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<td>X</td>
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In the fall of 1985 and 1986 tallies will be taken of the number of germinants and the seedling survival.

In 1988 and 1990 height growth will be measured to the nearest centimeter on all trees. Diameter will also be measured at this time, to the nearest millimeter.

COSTS: Weldwood to plant, seed, record and analyze observations. Ministry of Forests to supply and stratify 1,400 seeds of Fdi S.L. 1615; 1,400 seeds of PL S.L. 3131; 1,400 seeds of Sx S.L. 4302. While Sx and Fdi seedlings will be available operationally 200 seedlings would be required of PL S.L. 3131.