SX 84122N

CERKON SHELTER CONE SEEDING TRIAL IN SEMELIN CREEK

Working Plan
1984

B. Parsons
REPORT SX 84122 N

INTERIM
FINAL
DATE 1984 - 08-31

TITLE: Cerkon Shelter Cone Seeding Trial in Semelin Creek

Report prepared by: Bart Parsons (Signature)
Bart Parsons (Typed)

Report & Distribution approved by: (Signature)
(H. Nyer) (Typed)

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Silviculture Branch
Nelson Region
Cranbrook Forest District
Crestbrook Forest Industries Ltd.

Approved:
Manager - D. L. Oswald (Signature)
           (Typed)
SILVICULTURE TRIAL WITH CERKON SHELTER CONES ON
F.L. A19040, CUTTING PERMIT 50, BLOCK 6 (1984)

Purpose
- An operational shelter cone trial will be set up to determine the effectiveness of the shelter cone seeding and obtain cost data. Costs incurred and results will be compared to those of tree planting to determine viability of future shelter cone seeding projects.

Site Description
- The cones will be sown on F.L. A19040, CUTting Permit 50, Block 6. The block is a high elevation site (1775 m) with N, NE aspects and has been blade scarified. The block is located in the ESSF biogeoclimatic zone with very little duff and an average 30% slope.

Seed
- This trial will be using Lodgepole Pine seed from seed zone 4030, seed lot 3700. This seed was collected at the 1,875 elevation level in the Elk Creek area on F.L. A18978 in 1978. The germination rate is 89%.

67,000 cones + 324.8 viable seeds/gram x 2 seeds/cone
= 413 grams
Total amount requested - 425 grams

Method and Time of Seeding
- The Cerkon cones will be used for this project. The anticipated start is June 1, 1984, with a duration of 7 days.

Sample Procedures
- Plots will be established to determine germination, number of germinates/cone, number of crushed cones and number of "knocked over" cones. Data will be recorded 1 month, 2 months and 4 months after sowing. Data will be submitted to the M.O.F. along with the FINAL COST CLAIM in the Fall of 1984.

Future Section 88 dollars will be incurred to monitor success of project.

Cost estimates will be provided with the PROPOSAL TO CARRY OUT WORKS under Section 88. Initial calculations work out at approximately $24,000.00 but revisions to the proposed working plan may result in changes to these costs.

RESPONSIBILITIES
- Crestbrook Forest Industries Limited will be responsible for monitoring the project.
ATTN: CHRIS THOMPSON

IN REGARDS TO THE SEEDING PROJECT IN CBK FOR 1984:
WE ARE GOING TO DO MOUSE TRAPPING, IT WAS NOT MENTIONED
IN OUR COVER LETTER BUT WAS APPLIED FOR IN OUR COST
SUBMISSIONS.

D. BASARABA

CRESTBROK CBK
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Cerkon Sheltercone Seeding Trial at Semelin Creek

Officer i/c: B. Parsons

Location: Semelin Creek

Region/District or Nursery: Nelson/Cranbrook Forest District

Objective: To determine the effectiveness of sheltercone seeding and to compare results and costs to planting projects.

Progress: Survival rate: C.P. 50 Block 5 - 55%
          C.P. 50 Block 6 - 55%
          C.P. 60 Block 7 - 61%

Next Scheduled Assessment/Treatment: Assessment June 85 and Sept. 85.

Report Distribution: Silviculture Branch Library

Incomplete

AUGUST 1985