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WORKING PLAN

CERKON SHELTER CONE TRIAL

Robin Fawcett
Cerkon Shelter Cone Trials - Cranbrook Forest District

Report prepared by: Robin Fawcett (Signature) (Typed)

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

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Approved:
Manager - D.L. Oswald (Signature) (Typed)
SILVICULTURE TRIAL WITH CERKON SHELTER CONES
ON F.L. A19040, CUTTING PERMIT 60

PURPOSE:
An operational shelter cone trail will be set up to determine the effectiveness 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 60, Blocks 5, 6 and 7. The three blocks are high elevation sites (1800m) with NW, N and flat aspects respectively. All three blocks have been bunched and burned. The blocks are located in the ESSF biogeoclimatic zone with poor to medium soil nutrient regimes.

SEED:
Stratified P1 seed from seed zone 4030, Seedlot #3700 will be used. The seed was collected in the Elk Creek area in 1978. Germination rate is 89%. 50,000 cones x 324.8 viable seeds/gram x 2 seeds/cone = 308 grams Total amount requested 320 grams.

METHOD AND TIME OF SEEDING:
Cerkon plastic cones will be used on this project. Start up date will be near the end of June, 1983, and 50,000 cones will be sown in a period of 4 days.

SAMPLING PROCEDURES:
Survival lines will be run with plots located at 50m intervals and having a radius of 3.99m. The cones will be sown with 2.5m x 2.5m spacing and will be recorded in a clockwise fashion within the plot. They will be examined at intervals of 1 month, 2 months and 4 months after sowing. The data collected will be submitted to the M.O.F. along with the final cost claim in the fall of 1983.
RESPONSIBILITY:
Crestbrook Forest Industries Limited will be responsible for lay-out, supervision, and final reports, which will be submitted upon completion of the project.

COST:
Cost of the initial project is estimated at $20,457.00, which will be covered under Section 88.
Cercon Shelter Cone Trial

Officer 1/c: R. Fawcett,

Location: Moyie River

Region/District or Nursery: Nelson/Cranbrook Forest District

Objective: Cost comparison and survival rate compared to tree planting costs and survival.

Progress: Working Plan completed.

Next Scheduled Assessment/Treatment: Assessment Fall '87

Report Distribution: Silviculture Branch Library, Victoria Nelson Region S.D.
Cranbrook Forest District - Resource Officer Cranbrook Forest Industries Ltd., Cranbrook