WORKING PLAN: Sx 90107V

TITLE: Growth of Cw Within "Tree Shelter" Tubes

OBJECTIVE:
To assess the performance of western redcedar planted within "tree shelter" tubes vs. Norplex rigid seedling protection (mesh) tubes.

LOCATION:
Opening number 3..., mapsheet 103F080, 10km north of Pt. Clements, B.C.; Queen Charlotte Islands Forest District; Vancouver Region.

DESIGN AND STOCK PLANTED:
1+0 red cedar plugs were planted on mounds and protected by Vexar 5" mesh tubing (operational on the Queen Charlotte Lowlands), or by "tree shelter" tubes (from Britain). 100 trees were protected by "tree shelter" tubes in total. The shelter tube area is surrounded by Vexar mesh tubes. The shelter tubes will be tagged, and an equal number of surrounding Vexar tubes will be tagged for comparison purposes.

DATES OF ASSESSMENT:
Trees were planted in the Spring of 1989 as part of a larger contract. Total heights of trees within both types of protection tubes will be taken in the early spring of 1991, after two growing seasons. Trees will also be checked for vigour (good, fair, poor, chlorotic, dead) at time of measurement. Assessments will be made in 1992, after 3 years, and in 1994 after 5 years, and possibly later, until seedlings no longer require protection.

DATA ANALYSIS AND REPORTING:
T-tests will be run after each measurement to check for significant difference between seedling heights within "tree shelter" and Norplex mesh tubes. The "tree vigour" check will also be discussed. An overall T-test (for average tree height over 2 to 3 years for each tree) will also be completed after final measurement.
The interim report will be prepared in 1991 after the first measurement; the final report in 1994 or later, after the final measurements.

REPORT DISTRIBUTION:
Silviculture Branch Library, Victoria, B.C.: 387-8907
Silviculture, Vancouver Region, Burnaby, B.C.: 660-7500
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