APPENDIX 5

REPORT SX 84120R

INTERIM [X] FINAL [ ]

DATE January 25, 1988

TITLE Soil Mounding as a Site Preparation Method to Improve Site Conditions on Poorly Drained Areas of the Queen Charlotte Lowlands

Report prepared by: Del R. Williams (Signature)

Del R. Williams (Typed)

Report & Distribution approved by: S. M. Willis (Signature) (for Regions - Silviculture Officer)

S. M. Willis (Typed)

(a) Wide Distribution [X]

(b) Limited

(i) Internal - Branch only [ ]

(ii) External - Designated [ ]

(iii) Ministry only [ ]

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Approved:

Manager - T. A. Dyer (Signature) (for Regions - Forestry Manager)

T. A. Dyer (Typed)

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MAY 1985
INTERIM REPORT: Soil Mounding as a Site Preparation Method to Improve Site Conditions on Poorly Drained Areas of the Queen Charlotte Islands.

OBJECTIVE: The objective of the project is to create large raised planting mounds to allow for root development well above the influence of the stagnant water level. Three tree species, Ss Plc and Cw, will be established on the mounds and their performance compared and evaluated.

LOCATION: The trial site is located 10 km north of Port Clements on Graham Island.

METHOD: A large excavator was used in 1984 to mound soil. The mounds are from 1 to 2 m in height with widths ranging from 2 to 3 m. In Spring 1985, Ss were planted on about 75% of the mounds. Cw will be planted in 1988 and Pl, if available, in 1989.

INTERIM OBSERVATIONS: First year growth of Ss was not good. However, a subjective assessment of tree vigour in June, 1987 revealed that the trees now appear to be in fair to good condition. The soil in the mounds appear to be improving in quality as the organic matter decomposes in these now unsaturated warmer microsites.

FOLLOW-UP: Further planting, as described in Methods above, will be done. A final report will be written in or around 1991 depending on plantation performance.