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1961

FOREST SURVEYS DIVISION

SAMPLING MANUAL

1961

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A. OBJECTIVES OF 1961 STUDIES

1. To provide meaningful estimates of decay and related losses in each major tree species.
2. To evaluate the significance of external signs of decay and to assess their value as aids to local cruising.
3. To determine the age of pathological maturity for each major species. This information will be essential for the formulation of priority cutting schedules.
4. To identify and assess the significance of the fungi causing the major loss in each species.
5. To determine the relationships between decay and various stand statistics and ecological site types.
6. To gather enough tree measurements to provide a basis for local volume tables.

B. AREAS OF WORK AND SPECIES TO BE STUDIED

1. ~~Kitwanga S.Y.U.~~ *Kitwanga* S.Y.U. -- Hemlock, Balsam.
2. Kitwanga S.Y.U. -- Hemlock, Balsam.
3. Kamloops Wet-Belt -- Spruce, Balsam, Lodgepole pine.

C. METHOD OF STUDY

1. Crews -- Party Chief and 3 assistants.
2. Felling -- Local contract.
3. Establishment of samples -- sample areas, size and shape of plots
 - tagging of trees
 - use of tally sheet
 - recording of abnormalities, ground cover

SIZE & SHAPE OF SAMPLES

All sample plots are to be rectangular, 1/4 acre in area: 100' x 108.9' or 1 chain x 2.5 chains, and are to be located in line at intervals of not less than 2 chains. The intervals between plots must be uniform. Line plots are to be run in along the contours where possible.

Plot boundaries are to be run in with the aid of staff compass, topographic abney and chain, making proper allowances for slope at 1 chain intervals to obtain correct horizontal distances. A final closing error of ± 1 foot will be allowed.

