

for the administration of the Maritime Forest Ranger School in conjunction with the governments of New Brunswick and Nova Scotia and with private industry. The forest extension services of the University assist both government and private agencies in the direction and planning of various forestry extension programs. The provincial Department of Agriculture also provides an expanding extension service to the owners of farm woodlots.

Quebec.—The forest lands of the Province of Quebec cover an area of 270,418 sq. miles extending from its southern borders to latitude 52° north, between the frontier of Labrador in the east and the Eastmain River Basin in the west. Of this total, 85,451 sq. miles are classed as occupied productive forest land, where tree-felling is done under lease and permit. The area owned privately covers 25,114 sq. miles and federal Crown forests, 225 sq. miles. Approximately 117,481 sq. miles of the productive forest lands of Quebec are unoccupied. About one third of the annual cut comes from privately owned lands.

The limits reserved for forest industries are administered by the Department of Lands and Forests and the technical work such as inventory, reforestation, supervision of cutting, control of culling, verification of plans for development, collection of stumpage dues, etc., is the responsibility of the Forest Service. These limits are either leased by auction after public notice has been given or assigned under a special law. The price of the licence is fixed by auction or by Order in Council subsequent to specific legislation. The government reserves the right to dispose of any water power available on the limits leased. A tree-felling permit, which is valid for one year, is renewable if the holder has complied with the conditions imposed; it may be transferred with the authorization of the Minister of Lands and Forests. The lessee of a limit must pay a ground rent in addition to the price of licence and must forward, three months before the cutting begins, a plan of operations. Wood cut must be measured by a licensed culler and at the end of the operations the limit holder must produce a sworn statement of quantities cut. The Forest Service endeavours to promote the use of silvicultural methods among the owners of farm woodlots and small forest areas.

Quebec's forest protective system comprises three organizations—the Protective Service, the protective associations and the non-affiliated lease holders or owners. The Protective Service is a government body established within the Department of Lands and Forests in 1924 to enforce legislation and regulations governing forest fire protection and to protect vacant Crown lands, township reserves and colonization territories. The protective associations, of which there are six, are syndicates of lease holders and of owners who have availed themselves of their right to form an association to satisfy the law which compels them to protect their limits or private forests of 2,000 acres or over. Members assume operating expenses in proportion to the area owned by each, but the Department assumes half the costs of fire fighting incurred by the associations. The third group is composed of lease holders and of owners who prefer to discharge their obligations personally as far as forest protection is concerned. They enjoy the same privileges and their obligations are the same as those imposed upon the associations.

To perpetuate the forestry program of the province, the Forestry Department has established a number of nurseries. The first, established at Berthierville in 1908, has three sections—one wooded with a variety of valuable species of mature age, one serving agricultural purposes, and one devoted to forestry experiments and the cultivation of trees for reforestation. The Grandes Piles and New Carlisle nurseries were organized more recently and there are also nurseries in the following counties: Abitibi-Est, Témiscamingue, Îles de la Madeleine, Rimouski, Roberval, Rivière-du-Loup, Témiscouata, Chicoutimi, Abitibi-Ouest, Portneuf and Matapédia. Their object is the preparation of plants for reforesting nearby districts. 'Floating' nurseries, supervised by the engineers of the Forest Extension Bureau and intended especially for growing reforestation plants for private properties, are located at Sweetsburg, St. Pascal, Mont Joli, Baie St. Paul, Pont Rouge, Victoriaville, Scott and Sherbrooke. Plants are supplied free of charge on request. A dynamic reforestation program is now under way in the province, with an ultimate objective for the next ten years of 200,000,000 plants on Crown and private lands.