

ANNEXURES.

ANNEXURE I.—STATE AND PROVISIONAL STATE FORESTS AND FOREST RESERVES.

AREA IN ACRES AT END OF FISCAL YEAR 1924.

Land District.	Area in Acres at End of Fiscal Year 1923.			Changes in Area during the Fiscal Year 1923-24: Net Increase in Acres.			Area in Acres at End of Fiscal Year 1924.			Percentage of Area of Land District in Permanent and Provisional State Forest and Forest Reserves.
	State Forest.	Provisional State Forest.	Forest Reserves.	State Forest.	Provisional State Forest.	Forest Reserves.	State Forest.	Provisional State Forest.	Forest Reserves.	
N. Auckland..	102,485	37,292	..	2,324	6,740	..	104,809	44,032	..	3.3
Auckland ..	151,228	622,357	2,316	..	3,411	..	151,228	625,768	2,316	8.6
Hawke's Bay ..	199,653	53,735	16,921	1,171	..	507*	200,824	53,735	16,414	4.9
Taranaki ..	69,500	42,639	40,872	..	387	278*	69,500	43,026	40,594	6.3
Wellington ..	430,626*	144,708	9,593	26,045	100	4,512	456,671	144,808	14,105	8.7
Nelson ..	19,955	1,986,369	8,470	..	2,109	..	19,955	1,988,478	8,470	42.7
Marlborough ..	80,362	119,535	6,194	9,135	1,090	5,868	89,497	120,625	12,062	8.0
Westland ..	2,187	1,721,970	119	..	7,948†	..	2,187	1,714,022	119	44.4
Canterbury ..	290,202	20,515	..	319	310,717	..	319	3.3
Otago† ..	128,280	315,844	543	4,827	18,168	1,565	133,107	334,012	2,108	5.1
Southland ..	136,734	575,017	..	385†	18,307	..	136,349	593,324	..	9.2
Totals ..	1,611,212	5,619,466	85,028	63,632	42,364	11,479	1,674,844	5,661,830	96,507	..

* Error in last year's figures due to survey. † Net decrease.

Permanent and provisional State forests and forest reserves under Service control comprise 11.2 per cent. of the total area of the Dominion. Total area of State forest and provisional State forest and forest reserves at 31st March, 1924, 7,433,181 acres.

ANNEXURE II.—REPORT UPON STATE FORESTATION OPERATIONS IN THE NORTH ISLAND.

(By H. A. GOUDIE, Conservator of Forests, Rotorua Conservation Region.)

EXTENSION OF PLANTATIONS.

Very satisfactory progress was made with extension work during the year, 5,614 acres of new area being planted with 3,851,440 trees of the following species: *Pinus ponderosa*, *P. radiata*, *P. strobus*, *P. Murrayana*, and *Pseudo-tsuga Douglasii*.

The total area now planted in the Rotorua region is 35,638 acres. After a very wet spring a long spell of dry weather was experienced during the summer, but in spite of these conditions the young trees have done remarkably well, the death-rates being 3 per cent. in *Pseudo-tsuga Douglasii*, 6 to 8 per cent. in *Pinus radiata*, and 8 per cent. in *Pinus strobus*. The planting was all done by the notching system, the labour-cost, 18s. per acre, being even lower than that of the previous year. The total cost per acre, including trees, amounted to £1 13s. 7d.

TREE-GROWING.

The growth of the nursery stock was very good; indeed, of eucalypts a record crop was obtained. For the better propagation and handling of the eucalypts a glasshouse was erected and used with very satisfactory results. A curing-house, to be covered in the winter with calico sheets, was also built, and in this the more tender species will be sheltered from the frost. The quantity of seed sown was 934 lb., and the trees raised 4,305,000, the total raised to date being approximately eighty-six million. The year's output of trees amounted to 5,394,000, while to date the total is 78,211,000; of these the plantations have taken approximately seventy-three million.

SEED-EXTRACTION PLANT.

During the year a seed-extraction house was built. The dimensions, &c., are—25 ft. long by 14 ft. wide, lined inside up to the eaves, T. and G. sarking under roofing-iron, concrete floor, ventilators top and bottom, and door at one end. Heat is supplied by two Shacklock "Tui" stoves stoked with empty pine-cones. The cones are placed in wooden trays with netting-wire bottoms, a space of about 6 in. being allowed between the trays, which are stacked 7 ft. high. By shaking and rocking the trays the released seed falls through the netting-wire tray-bottoms and eventually reaches a canvas-bottom tray, where it is held until removed. The opened cones are finally put into a "shaking-