The Mungaroa Stream has a drainage-area of twenty-two square miles above the swamp behind Wallaceville. The area of the swamp is 2·2 square miles. The fall from the centre of the swamp to Wallaceville is given as over 260 ft., and the distance about a mile. The lower end of the swamp can be closed by a dam, and a lakelet formed, but the dam would be over three-quarters of a mile long and the cost too great to warrant consideration of the scheme at the present time. The cost would probably be about £70 per brake horse-power. At some future time the Mungaroa may be used with profit for some local industry using water-power direct.

### Minor Schemes, North Island.

A number of minor schemes have been suggested for the North Island. Those not dealt with in the report are given in the lists below :—

*Auckland.*

| | Drainage-area. Sq. m. | Height of Falls. Ft. |
|---|---|---|
| Waipapa Falls | 10½ | 40 |
| Kirikiri | 36 | 100 |
| Waitangi | 105 | 30 |
| Waitakerei | 5½ | 440 |
| Bridal Veil | 12½ | 100 |
| Wairere | 3½ | 400 |
| Table Mount | 4 | 300 |
| Waireinga | 7 | 170 |
| Ariki | 3 | 320 |
| Mauku | 15½ | 66 |
| Wairoa | 28½ | 96 |
| Mangatawhiri | 11½ | 70 |
| Whirinaki | 18½ | 300 |

The above are all falls on streams in Auckland Province. The flow is available for Wairoa, and it would only give about 160 b.h.p. Only three of the others are likely to be above this power for a proportional rate of flow. These are Kirikiri, Waitangi, and Whirinaki. The remainder are about 100 b.h.p. or under.

*Napier and Gisborne.*

| | Drainage-area. Sq. m. | Height of Falls. Ft. |
|---|---|---|
| Motu | 94 | 40 |
| Wharekopau | 44 | .. |
| Waihiere | 11 | .. |
| Mokau* | 26½ | .. |
| Aniwhaniwha* | 26½ | .. |
| Double Waterfall, Mohaka River, Tongoio East | 1 | .. |
| Mangapuaka | 1¼ | .. |

*Taranaki.*

| | | |
|---|---|---|
| Kiri | 1 | .. |
| Dawson's Falls | 1 | 65 |

*Wellington Provincial District.*

| | | |
|---|---|---|
| Wanganui Rapids | .. | .. |
| Retaruke† | .. | .. |
| Waimarino | .. | .. |
| Makaretu | .. | .. |
| Piopiotea | .. | .. |
| Pukerimu | .. | .. |
| Tauranga Taupo | .. | .. |
| Waihi Falls, Tokaanu | .. | .. |
| Waitangi Fall‡ | .. | 20 |
| Ohura§ | .. | 20 |
| Otuiti Falls‖ | .. | 20 |
| Tikirere, Moawhango¶ | .. | 20 |
| Pongo, Moawhango | .. | 25 |
| Te Paunga, Moawhango | .. | 17 |
| Papakore, Moawhango | .. | 20 |

In addition to the above falls, and streams with rapid fall, the following have also been suggested : Waihohone, Mangatoetoenui, Rangitikei above Napier Road, Mangahowhi, Tunanui, Turangarere Falls, Hautapu, Makatote, Mangaturuturu, Matakereputu, Makotutu, and some others of no apparent value. Some of these streams would yield small amounts of power in many cases by cutting a race for some distance. Good schemes for merely local use could be got as required. A complete examination of all and the collection of data regarding them would involve a considerable amount of work. Hardly any would likely be large enough for a transmission scheme.

* May be used to reinforce Waikareiti. † 1,000 ft. fall in four miles. ‡ Near Karioi. § Near Wanganui River, and probably flood-water will dam it back in floods, and power-station probably impossible. ‖ Probably same as above. ¶ Tributary stream.