

TABLE A.

Class of Work.	Area, &c.	Average Cost.	Total Cost.
			£ s. d.
Minor triangulation, by staff .. ..	59,200 acres	1.34d. per acre	330 18 4
Contoured topographical, by staff .. ..	937.6 sq. m.	£2.26 per sq. m.	2,120 13 9
Rural, by staff .. ..	85,656 acres	2.30s. per acre	9,865 4 11
Suburban, by staff .. ..	378.9 „	24.80s. per acre	469 17 8
Town, by staff .. ..	1,070 sections	£1.90 per section	2,037 7 5
Town, by private surveyors .. ..	8 „	£1.84 „	14 14 0
Native Land Court, by staff .. ..	9,099 acres	2.13s. per acre	969 10 2
Native Land Court, by private surveyors ..	63,691 „	2.10s. per acre	6,684 1 8
Roads, by staff .. ..	153.38 miles	£25.6 per mile	3,927 17 11
Other work by staff .. ..	..	..	6,212 6 10
Total cost of completed work .. ..	..	..	32,632 12 8

TABLE B.

Land District.	Rural Survey.	Native Land Court.
	Acres.	Acres.
North Auckland .. ..	15,979	5,956
Auckland .. ..	17,404	28,082
Gisborne .. ..	1,720	8,176
Hawke's Bay .. ..	2,357	3,047
Taranaki .. ..	6,042	2,560
Wellington .. ..	7,718	23,576
Marlborough .. ..	155	735
Nelson .. ..	2,808	339
Westland .. ..	2,432	..
Canterbury .. ..	4,849	187
Otago .. ..	18,777	26
Southland .. ..	5,415	106
Totals .. ..	85,656	72,790

MINOR TRIANGULATION.

An area of 59,200 acres is returned under this heading in the Nelson District at a cost of £330.

CONTOURED TOPOGRAPHICAL SURVEYS.

The principal area of 700 acres under this heading was surveyed in the Southland District, with small areas in Auckland, Hawke's Bay, and Taranaki. During the coming year it is hoped to experiment in this work by means of aerial-photography.

SETTLEMENT SURVEYS.

The Crown lands and lands-for-settlement areas surveyed during the year are set out in Table 2 under their appropriate headings for each land district.

NATIVE LAND SURVEYS.

This work, of which nearly 90 per cent. was carried out by private surveyors, shows a decrease of 56,000 acres in the area.

GEODETIC TRIANGULATION.

Good progress has been made in this work during the year, the area completed in the field to date being 17,500 square miles, while 13,500 square miles are partly completed. The main work for the year was the observation at ten main stations and seven auxiliary stations, the latter being a subsidiary network connecting the Dominion Observatory with the main network. Latitude was observed at nine stations and azimuth at two stations. The whole of the observations, both terrestrial and astronomical, are now being taken with the Wild primary triangulation theodolite, with a gain in speed and accuracy. The mean closing error per triangle is 1".15 (48 triangles).

Towards the end of the period under report the system of night observations was instituted, electric-light signals from dry cells being used in place of the opaque signals used for the daylight observations. Further details will be published in the *Records of the Survey*.