

SESSION II.
1912.
NEW ZEALAND.

DEPARTMENT OF LANDS AND SURVEY: SURVEYS

(ANNUAL REPORT ON).

Presented to both Houses of the General Assembly by Command of His Excellency.

CONTENTS.

| Surveys— | Page | Appendix IV— | Page |
|---|------|--|--------------|
| Principal Work completed during Year .. | 2 | Surveyors Board, Report of .. | 31 |
| Triangulation | 2 | Appendix V.— | |
| Standard Survey | 3 | Tidal Survey | 31 |
| Coastal | 3 | Tide-gauge | 35 |
| Tidal | 4 | Tables— | |
| Settlement | 4 | Table 1.—Field-work executed during the Year .. | 36 |
| Native | 4 | " 2.—Surveyors employed and Work on hand .. | 37 |
| Gold-mining | 5 | " 3.—Plans placed on Crown Grants, &c., during the Year .. | 37 |
| Inspection of Surveys | 5 | " 4.—Land Transfer Act, Work done during the Year under .. | 37 |
| Operations for Year 1912-13 | 5 | " 5.—Lithographs and Photographs printed and sold during the Year .. | 38 |
| Surveyors Board | 5 | Maps, Plans, &c.— | |
| Magnetic Observatory and Magnetic Survey .. | 5 | Magnetograms | Facing p. 20 |
| Departmental Changes | 6 | Matamata Base-line Measurements— | |
| Chief Draughtsman, Report of | 7 | Figures 1, 2, 3, and 4 | 22 |
| Chief Computer, Report of | 8 | Diagrams, &c. | 22 |
| Appendix I— | | Waitemata Base-line Measurements— | |
| Surveys— | | Figure 1 and 2 | 24 |
| Auckland | 9 | Diagrams, &c. | 24 |
| Hawke's Bay | 10 | Wairarapa Base-net (Figure 2) | 28 |
| Taranaki | 11 | Tidal Diagrams (Figures 1, 2, 3, and 4) .. | 34 |
| Wellington | 12 | Tide-gauge | 34 |
| Nelson | 13 | Map showing State of Public Surveys. | |
| Marlborough | 15 | North Island | At end. |
| Westland | 15 | Map showing State of Public Surveys. | |
| Canterbury | 16 | South Island | |
| Otago | 17 | Process Illustrations— | |
| Southland | 18 | Showing lifting-gear used in reinstating standard blocks, Auckland City (three sheets) | |
| Appendix II— | | | |
| Magnetic Observatory and Magnetic Survey .. | 19 | | |
| Appendix III— | | | |
| Secondary Triangulation— | | | |
| Matamata Base-line, Measurement, &c. .. | 21 | | |
| Waitemata | 24 | | |
| Adjustment of Wairarapa Base-net | 27 | | |

The SURVEYOR-GENERAL to the Hon. the MINISTER OF LANDS.

SIR,—

Department of Lands and Survey, Wellington, 1st June, 1912.

I have the honour to submit herewith the annual report on the survey operations of the Department for the twelve months ended the 31st March, 1912. In doing so I would draw attention to the fact that the Surveyor-General in charge of these operations for the year was Mr. John Strauchon, who relinquished such duties on being promoted to the position of Under-Secretary and Head of the Lands and Survey Department on the 1st April, 1912. The following report is therefore based upon the work carried out under his guidance.

I have, &c.,

JAMES MACKENZIE,

Surveyor-General.

The Hon. Thos. Mackenzie, Minister of Lands.