

APPENDICES.

APPENDIX I.—SURVEYS.

AUCKLAND.

Surveys.—The gross area of all classes of surveys completed this year by staff and private surveyors was 446,964 acres, together with 379 miles of roads, &c., being an increase of 185,632 acres and 119 miles over last year's totals.

Minor Triangulation.—86,400 acres minor triangulation and connecting triangles, East Taupo, Rotorua, Mangonui, and Hokianga Counties, at a cost of $\frac{1}{2}$ d. per acre. The total area surveyed by staff surveyors was 81,700 acres, costing $\frac{1}{2}$ d. per acre; while the area by contract surveyors was 4,700 acres, costing $1\frac{1}{2}$ d. per acre.

Topographical Survey for Selection.—Provisional surveys under this heading include 16,593 acres Crown land, 12,000 acres of which is to be opened as unsurveyed; 32,502 acres of Native land for Maori Land Board; roads graded and scheme of subdivisions prepared, the surveys to be let to contract surveyors; and 17,430 acres of compass survey for the Native Land Court; the total being 66,525 acres, costing 5d. per acre.

Rural.—Total of 70,257 acres surveyed—51,219 acres by staff, at 2-8s. per acre; 12,039 by private surveyors, at 1-7s. per acre; and 6,999 by private surveyors, the cost of which is not available. The closures of work executed by the staff show very good results, the total being 164 closures for 470 miles, at a mean error per mile on meridian of 0-55 links and perpendicular 0-46 links.

Village and Suburban.—Total of 407 acres, in 170 sections—269 in 54 sections by staff, at 9-8s. per acre; 48 in 60 sections by private surveyors, at 39-2s. per acre; and 90 acres in 56 sections by private surveyors, cost of which is not available.

Town Section Survey.—174 acres into 460 sections, costing 22-8s. per section, exclusive of $\frac{1}{2}$ acre by contract surveyor.

Native-land Survey.—Total area of Native land surveyed was 299,004 acres, into 704 subdivisions. The staff surveyors completed 48,810 acres in 196 subdivisions, at a cost of 15-4d. per acre, of which 43,578 acres in 179 subdivisions was for Native Land Court, and 5,232 acres in 17 subdivisions was for Maori Land Board. Private surveyors completed 250,194 acres in 508 subdivisions, of which 225,802 acres in 426 subdivisions, inclusive of an area of 1,784 acres for Maori Land Board, cost 8-1d. per acre, and the balance of 24,392 acres in 82 subdivisions, the cost of which is not available.

Gold-mining Survey.—Twenty-six claims surveyed, representing a total of 1,868 acres.

Roads, &c.—The staff surveyed 181 miles, at £21-76 per mile; private surveyors 6 miles, the cost of which is not available.

Other Work.—This comprises a great variety of work—viz., survey of school-sites, repairs to trig. stations, redefining old boundaries, exploration, reports on Crown lands, &c.

Inspections.—Thirty-two inspections of contract surveys and two of staff by Mr. Wheeler, and one each of contract surveys by Messrs. Edgecumbe, Blake, and Barlow. Mr. Wheeler reports that, with the exception of two surveyors, the work inspected has come well within the regulation limits, and there has been a marked improvement in the general execution of most of the surveys inspected; but there are still a number of surveyors who neglect the numbering of pegs properly, which causes much loss of time and uncertainty both to the survey profession and the general public.

Contract Survey.—Surveyors have on hand 20,923 acres of Crown land, the cost of which has been deposited; and also 344,717 acres of Native land.

Office-work.—Plans examined: 116 plans of 529 Crown sections, total area 51,159 acres; 31 mining plans, totalling 2,055 acres; 42 residence-sites (for Warden), 84 sections, 26 acres; 7 plans showing the route of electric transmission-line for Waihi Gold-mining Company; 102 Native Land Court plans, of 366 subdivisions, totalling 166,513 acres; 477 Land Transfer plans, area 75,274 acres, in 4,076 allotments; 272 plans taking and closing roads, totalling 379 miles; taking 52 acres of land for railway purposes, and proclaiming 1,458 acres reserves for various purposes: the total number of plans of all classes checked being 1,047. There were 1,443 tracings, &c., made for posters, surveyors, selectors, and others. Three Native Land Courts were attended, and £89 18s. 10d. on three blocks collected at the Courts: total amount for liens collected during the year, £1,038 12s. 8d. Fourteen charging orders were obtained for £306 3s., and 190 acres 3 roods 12 perches (valued at £319 4s. 2d.) were cut off to satisfy liens on nine blocks. 219 applications for financial authority were forwarded to Head Office, and 231 authorities to survey were issued, equalling 298,854 acres, at an estimated cost of £19,375 6s. 10d., to private surveyors, and 23,417 acres to staff surveyors. Nine candidates were examined for surveyors' unlicensed assistants. 322 chain-lengths of surveyors' steel tapes were tested, and certificates issued. There were applications to Head Office for Government loans of a total amount of £14,819 over 34,095 acres. 3,209 plans were indorsed on certificates of titles, leases, and Native Land Court orders, &c. 2,289 plans were indorsed by Mr. A. B. Harding, of the Land Transfer Office. Fees collected, £246 6s. 3d.

Proposed Operations, 1911-12.—Twenty-six surveyors—eighteen staff and eight temporary—have on hand 268,398 acres of Crown land; 125,841 acres of Native land, of which 51,013 acres is for Maori Land Board and survey of roads through Native lands to give access to Crown lands. In addition to