

Incidentally I would mention that the area of ordinary Crown land and land-for-settlement land comprising hills and swamp country of some 11,732 acres, situated at Waitakaruru, was completely roaded and bridged, and afterwards balloted for. All the work was done by the staff employed in connection with Hauraki Plains works. This outside area will do much to consolidate the various Crown interests in the district.

GENERAL.

Field, office, and draughting staffs have been exceedingly busy during past year, and a considerable number of engineering, road, and section surveys have been made. No pains are spared to expedite the works in every way, and services have been loyally rendered by my staff. To Mr. R. G. Macmorran, my able assistant, and Mr. H. A. Joyce, Chief Clerk, my special thanks are due for the exceptional manner in which their duties have been performed, and the same applies to all other members of the staff. The attached plan shows the position of the works to date.

I have, &c.,  
J. B. THOMPSON,  
Chief Drainage Engineer.

James Mackenzie, Esq., I.S.O., Under-Secretary, Department of Lands and Survey.

APPENDIX.

ARTESIAN BORE NO. 83 : SECTION 10, BLOCK X, THAMES. (MR. J. G. KNAP.)

| Depth in Feet. | Details.             | Depth in Feet. | Details.             |
|----------------|----------------------|----------------|----------------------|
| 74             | 74 ft. clay.         | 134            | 15 ft. clay.         |
| 77             | 3 ft. sand.          | 139            | 5 ft. sandstone.     |
| 83             | 6 ft. clay.          | 141            | 2 ft. rotten timber. |
| 91             | 8 ft. sand.          | 149            | 8 ft. shingle.       |
| 98             | 7 ft. clay.          | 151            | 2 ft. rotten timber. |
| 104            | 6 ft. sand.          | 164            | 13 ft. clay.         |
| 106            | 2 ft. rotten timber. | 181            | 17 ft. pumice sand.  |
| 119            | 13 ft. pumice sand.  |                |                      |

Total depth, 181 ft. Flow running, 5,760 gallons per day.

ARTESIAN BORE NO. 84 : SECTION 3, BLOCK X, THAMES. (MR. CLARK.)

| Depth in Feet. | Details.            | Depth in Feet. | Details.             |
|----------------|---------------------|----------------|----------------------|
| 85             | 85 ft. clay.        | 176            | 27 ft. clay.         |
| 101            | 16 ft. pumice sand. | 180            | 4 ft. sand.          |
| 105            | 4 ft. clay.         | 186            | 6 ft. rotten timber. |
| 115            | 10 ft. sand.        | 191            | 5 ft. clay.          |
| 130            | 15 ft. clay.        | 228            | 37 ft. pumice sand.  |
| 142            | 12 ft. sand.        | 233            | 5 ft. rotten timber. |
| 146            | 4 ft. clay.         | 238            | 5 ft. clay.          |
| 149            | 3 ft. sand.         | 246            | 8 ft. pumice sand.   |

Total depth, 246 ft. Flow running, 6,720 gallons per day.

ARTESIAN BORE NO. 85 : SECTION 18, BLOCK X, THAMES. (MR. DALGETY.)

| Depth in Feet. | Details.              | Depth in Feet. | Details.              |
|----------------|-----------------------|----------------|-----------------------|
| 53             | 53 ft. clay.          | 251            | 4 ft. sand.           |
| 87             | 34 ft. drift sand.    | 261            | 10 ft. rotten timber. |
| 97             | 10 ft. clay.          | 269            | 8 ft. pumice sand.    |
| 111            | 14 ft. drift sand.    | 274            | 5 ft. clay.           |
| 117            | 6 ft. clay.           | 299            | 25 ft. drift sand.    |
| 125            | 8 ft. sand.           | 304            | 5 ft. rotten timber.  |
| 129            | 4 ft. rotten timber.  | 310            | 6 ft. sand.           |
| 131            | 2 ft. sand.           | 314            | 4 ft. rotten timber.  |
| 134            | 3 ft. clay.           | 331            | 17 ft. sandstone.     |
| 143            | 9 ft. sand.           | 333            | 2 ft. rotten timber.  |
| 147            | 4 ft. clay.           | 345            | 12 ft. drift sand.    |
| 150            | 3 ft. sand.           | 355            | 10 ft. shingle.       |
| 158            | 8 ft. clay.           | 378            | 23 ft. drift sand.    |
| 163            | 5 ft. sand.           | 379            | 1 ft. rotten timber.  |
| 167            | 4 ft. rotten timber.  | 385            | 6 ft. pumice sand.    |
| 227            | 60 ft. clay.          | 387            | 2 ft. clay.           |
| 230            | 3 ft. sand.           | 388            | 1 ft. sand.           |
| 234            | 4 ft. clay.           | 394            | 6 ft. clay.           |
| 247            | 13 ft. rotten timber. | 406            | 12 ft. hard stone.    |

Total depth, 406 ft. Flow running, 3,840 gallons per day.