

(2.) GOVERNMENT PROSPECTING-DRILLS.

Particulars of Boring during 1915.

Type of Drill.	Name of Superintendent.	To whom lent.	Mineral sought for.	Number of Holes drilled.	Approximate Depth drilled.	Diameter of Hole.	Character of Country penetrated.	Average Cost per Foot, including Transport.	Result of Drilling.
Schram-Harker	W. H. Warburton	Liverpool Colliery, No. 1 section west	Coal	1	190	1 in. 2½	Sandstones, shales, grits, and shaly mudstone	s. d. 4 7	No coal; country faulted.
"	"	Liverpool Colliery, No. 1 section in mine	"	1	168	2½	Ditto	3 5	20 ft. coal at 140 ft.
"	"	Liverpool Colliery, No. 1 section, main level	"	1	336	2½	Sandstones, shales, grits, fine conglomerate, shaly mudstone	4 4	12 ft. coal at 315 ft.
Hand-boring plant	"	Liverpool Colliery, Puru Creek	"	1	83	1½	Shaly mudstone	13 1	11 ft. coal at 70 ft.
Schram-Harker (oil-driven)	"	Liverpool Colliery, junction Seven-mile and Watomio Creeks	"	1	408	2½	Sandstone, shales, grits, and shaly mudstone	3 6	Coal—1 ft. 6 in. at 21 ft.; 6 ft. at 50 ft.; 1 ft. 6 in. at 227 ft.; 1 ft. at 231 ft.; 25 ft. at 372 ft.
Ditto	"	Liverpool Colliery, Spring Creek	"	1	648	2½	Sandstone, shales, and grits	4 10	Coal—6 ft. 6 in. at 104 ft.; 1 ft. at 169 ft.; 2 ft. at 197 ft.; 1 ft. at 242 ft.; 1 ft. at 314 ft.; 3 ft. at 322 ft.; 2 ft. at 354 ft.; 2 ft. at 356 ft.; 1 ft. 6 in. at 366 ft.; 1 ft. at 371 ft.; 2 ft. at 464 ft.; 1 ft. at 467 ft. (All dirty coal.)
"	"	Liverpool Colliery, No. 3 section	"	1	527	2½ in. to a depth of 70 ft., then cased and reduced to 1½ in.	Sandstone, shale, grits, and shaly mudstone	3 3	Coal—1 ft. 6 in. at 141 ft.; 2 ft. 6 in. at 205 ft.; 5 ft. at 258 ft.; 8 ft. 6 in. at 324 ft.; 1 ft. at 338 ft.; 1 ft. 6 in. at 370 ft.; 1 ft. 6 in. at 469 ft.; 2 ft. at 504 ft. ¾
"	"	"	"	1	332	2½	Ditto	3 0	Coal—1 ft. at 152 ft.; 4 ft. at 239 ft.; 5 ft. at 278 ft.
"	"	"	"	1	356	2½	"	3 2	Coal—1 ft. at 241 ft.; 2 ft. at 296 ft.
Keystone	G. E. D. Scale	Round Hill Gold-mining Company, Waiaka	Alluvial gold	15	1,756	5 and 6	Gravel and clay	6 0	Some results very good—as high as 2½ oz. per yard.
"	"	Thomas Green, Gore	Coal	5	456	5 and 6	Gravel and pug	3 0	Coal-seams from 18 in. to 17 ft.
"	"	J. L. Smith, Croydon, Gore	"	2	56	5 and 6	Coarse gravel	4 9	Unfavourable.
"	"	E. Bowmar, Gore	Water	1	108	6	Gravel and clay	2 3	Struck moderate supply of water.
"	"	Wallis Bros., Gore	"	3	140	5 and 6	Gravel and pug	3 6	Struck splendid supply of water.
"	"	Whiterig Dairy Factory, Gore	"	1	106	5 and 6	"	3 3	No supply.
"	"	Dennis Daley, Brydone	"	1	53	6	Gravel	5 0	Good supply.
"	"	McDonald Bros., Edendale	"	1	48	6	"	4 9	"
"	"	G. Stuart, Brydone	"	1	45	6	"	3 6	"
"	"	James Drysdale, Brydone	"	1	55	6	Gravel and clay	4 6	Fair supply.
"	"	Donald McDonald, Edendale Estate	"	1	36	6	Gravel	4 6	Good supply.
"	"	Charles Mine, Edendale	"	1	75	6	Gravel and clay	4 0	Fair supply.
"	"	Balutha City Council, Balutha	"	2	88	6	Gravel	6 0	Water no good; too full of iron.
"	"	F. B. Powell, for Rimu Options (Limited), Rimu, Hokitika	Gold	7	250	6	Tight gravel	About 5/	Good results; drilling still in progress.
Sullivan (C. N.) and Schram-Harker	W. Carter	Westhaven Prospecting Company (Limited)	Coal	1	1,441†	2½	Sandstones, grits, mudstones, and conglomerates	8 6	At 834 ft. the 3,000 ft. Schram-Harker drill was installed to bottom the measures. 85 seams of coal were measured. 35 seams of coal were passed through, varying in thickness from 1 ft. 7 in. down to 2 in.—aggregate of 40 ft. 1 in. Nothing of a commercial value was disclosed. A complete section of the bore has been furnished to the Mines Department.

* These drills are lent free of charge on conditions which may be obtained upon application to the Under-Secretary of Mines.

† 122 ft. was bored in 1914.