

(2.) GOVERNMENT PROSPECTING-DRILLS.

The following is a table giving the result of operations by Government drills during 1919:—

Type of Drill.	Name of Drill Superintendent.	Number of Holes drilled.	To whom lent.	Mineral sought for.	Total depth, in Feet.	Character of Country pierced.	Average Cost per Foot drilled, including Transport.	Diameter of Hole.	Results.	
Schramm - Harker diamond drill No. 3 (oil-driven)	W. H. Warburton	12	Mines Department: Whangape Coal Company's area	Coal	(12) 180	Calcareous sandstone, sandy papa rock, clays, sandstones, and grey-wacke	s. d. 3 6-9	2½	2 ft. coal at 72ft., 3 ft. coal at 121 ft.	
"	"		Ditto	"	"	(13) 168	"	3 4-7	4 ft. coal at 109 ft., 16 ft. coal at 137 ft.	
"	"		"	"	"	(14) 141	"	3 9-9	17 ft. 6 in. coal at 123 ft. 6 in.	
"	"		"	"	"	(15) 135	"	2 11-4	17 ft. coal at 121 ft. 6 in.	
"	"		"	"	"	(18) 281	"	3 4-8	No coal; probably faulted country.	
"	"		"	"	"	(19) 249	"	3 7-9	No coal.	
"	"		"	"	"	(20) 189	"	4 4-9	"	
"	"		"	Mines Department: Awaroa Land Company's area	"	(16) 194	"	4 2-4	2½	16 ft. coal at 177 ft.
"	"		"	Ditto	"	(17) 175	"	3 3-4	2½	17 ft. 6 in. coal at 160 ft.
"	"		"	"	"	(4A) 294	"	3 0	2	17 ft. coal at 252 ft.
"	"		"	"	"	(5A) 265	"	5 0	2	14 ft. coal at 255 ft.
"	"		"	"	"	(6A) 306	"	5 0	2	1 ft. coal at 252 ft.
"	"	"	Homebush Coal Company, Gientunnel	"	(1) 392	Sandstone, clays, and shales	4 4-9	2½-1½	No workable coal.	
"	W. H. Warburton and A. Wick	3	"	"	(2) 410	"	4 2½	2½-1½	"	
"	"		"	"	"	(5) 534	"	5 10½	2½-1½	4 ft. 6 in. coal at 130 ft.
"	"		"	"	"	735	Gravel, sandstone, shale, grit, and conglomerate	31 2½	2½	8 ft. of coal at 586 ft.
Sullivan (N. diamond drill (steam-driven)	W. H. Warburton and R. Pengelly	1	Waitahu Coal Company, Reefton	"	"	Gravel	"	2½	In progress.	
"	W. H. Warburton	1	Scott Bros.' Coal-prospecting Lease, Reefton	"	250	Unaltered andesite	"	2½	Maria reef intersected about 350 ft. below low level in Woodstock section of the mine. Reef well defined; values low.	
Schramm - Harker diamond drill No. 2 (driven by compressed air)	W. Carter	2	Talisman Consolidated (Limited), Kārangahake	Gold-bearing reef	(1) 428	"	"	2½	Borehole in progress to intersect Maria reef at a lower level in Bonanza section of the mine.	
"	"		"	Ditto	"	(2) 200	"	"	2½	Unpayable results.
Keystone drill No. 3	H. Butland	24	Dunedin City Corporation reservoir area, Waipori Flat	Alluvial gravel	2,496* deepest 167	Gravel	8 0	6	Results not yet disclosed.	
Keystone drill No. 1	A. E. Gregory	9	Metals Exploration Company (New York), operating at Rimu Flat	"	476*	River gravel	"	6	"	
Keystone drill No. 2	G. E. D. Seale	18	Ditto	"	905*	"	"	6	"	
Keystone drill No. 1	"	1	Dr. Scott's coal-prospecting license, Reefton	Coal	(1) 131	Gravel	"	6	In progress.	

* Aggregate.