

"Pitch-coals, Ngunguru Coalfield, forwarded by Mr. G. Wilson, Inspector of Mines; analysed by G. P. Hilton.

	Sample A.	Sample B.
"Fixed carbon	52·37	52·72
Hydro-carbons	36·73	36·54
Water	7·31	7·42
Ash	3·59	3·32
	100·00	100·00
Evaporative power	6·80lb.	6·85lb.

"Analysed by J. M. McLaren.

	Sample C.	Sample D.
"Fixed carbon	54·30	56·60
Hydro-carbons	34·90	32·50
Water	7·30	7·40
Ash	3·50	3·50
	100·00	100·00
Evaporative power	7·06lb.	7·36lb.

"Remarks.—These are bright, lustrous coals, somewhat brittle and flakey. The analyses prove them to be superior pitch-coals, well adapted for steam and household purposes. The ash is white or greyish white; and sulphur was found to be practically absent. They frit together, but do not form a coherent coke.

"Sample E, Bituminous Coal, analysed by Bain Hogg.

"Fixed carbon	67·20
Hydro-carbon	25·18
Water	5·42
Ash	2·20
	100·00

Evaporative power, 8·73 lbs. Sulphur, trace.

"This is a superior bituminous coal, occurring as a thin layer in the body of the main seam. It forms a fine hard coherent coke. Coal, brittle, shining; ash, white. The presence of this band of bituminous coal will tend to raise the average quality of the general mass of the coal in the seam.

"Bituminous Coal, Hikurangi, forwarded by T. P. Moody, Esq., M.E.; analysed by Comyn Ausley.

"Fixed carbon	49·62
Hydro-carbons	43·54
Water	5·12
Ash	1·72
	100·00

Evaporative power, 6·45 lbs.

"Specific gravity, 1·297. A fairly hard, lustrous, bituminous coal, forming a fine hard coke. The ash is low, and the hydro-carbons unusually high, for this class of coal. This coal is much superior to the average sample of Hikurangi coal.

"Black-sand, Coromandel, forwarded by J. Thomson, Esq., Rocklands; analysed by J. M. McLaren.

"Quartz, and insoluble gangue	82·68
Iron oxides (principally Fe ₂ O ₃)	10·94
Alumina	3·68
Water, and loss	2·70
	100·00

"This sand was assayed, and showed the following value per ton:—

	Oz.	dwt.	gr.
"Bullion	41	16	20
Gold	30	10	0
Silver	11	6	20

Value, £123 14s.

"Complex Sulphide, Koputaiauki; analysed by J. M. McLaren.

"Silica	15·76
Copper	4·10
Iron	23·41
Zinc	16·64
Sulphur	38·12
	98·03

"This ore contained bullion valued at £3 8s. 4d.