

TABULATED STATEMENT showing PARCELS of ORE treated at Thames School of Mines Experimental Plant during 1896-97—continued.

Name of Mine and District.	Description of Ore.	Weight of Ore.	Assay-value of Ore per Ton.		Method of Crushing.	Bullion saved.	Value per Ounce.		Percentage saved.	
			Gold.	Silver.			Gold.	Silver.	Gold.	Silver.
BY CYANIDE PROCESS.										
A. Kummert, Whangamata	Hard rusty-coloured quartz	Lb. 600	Oz. dwt. gr. 0 16 9	Oz. dwt. gr. 0 16 9	£ s. d. 3 6 10	Oz. dwt. gr. £ s. d. 0 11 16 1 5 8	Value per Ounce.	77.0	84.5	84.0
Waihi Dredging	Tailings containing roots	3,640	0 7 13	1 7 13	1 12 7	0 9 20 0 19 1	...	45.8	93.5	90.0
Young New-Zealander, Waitekauri	Densely mineralised	1,220	1 10 6	2 14 4	6 5 9	1 0 5 1 2 4	Dry	31.2	33.1	33.0
Waiorongomai No. 2	White glassy quartz	1,950	0 5 1	0 7 13	1 0 10	0 7 0 1 13 5	"	62.1	64.3	64.1
Waiorongomai No. 4	White glassy quartz	1,800	0 2 0	0 15 15	0 9 4	1 0 0 0 5 2	"	68.6	70.0	70.0
Sapphire, Mercury Bay	Hard grey quartz	600	0 0 10	0 7 13	0 2 4	...	"	67.2	90.0	82.1
Rangatira, Thames	Mullocky clayey ore	560	0 4 9	0 6 7	0 18 0	...	"	40.4	57.1	56.6
Captain Farquhar, Whangaruru	Brittle brownish country	1,000	0 1 6	0 1 6	0 5 1	...	"	83.2	73.1	73.7
Temple Bar, Thames	Light-brown and grey.	900	0 1 21	0 3 18	0 7 10	...	"	75.6	85.3	85.0
Phoenix, Whangamata	Splintery grey quartz, with wavy blue lines	1,100	1 12 8	11 13 2	7 9 8	3 14 9 0 8 11½	"	46.9	44.4	44.8

The following were treated by the cyanide process, and the tailings subsequently treated by pan-amalgamation so as to recover the value left in them:—

Name of Mine and District.	Description of Ore.	Weight of Ore.	Assay-value of Ore per Ton.		Method of Crushing.	Bullion saved.	Value per Ounce.		Percentage saved.	
			Gold.	Silver.			Gold.	Silver.	Gold.	Silver.
Maratoto	Grey quartz, with blue veins	Lb. 400	Oz. dwt. gr. 3 15 15	Oz. dwt. gr. 87 14 7	£ s. d. 22 16 0	Oz. dwt. gr. £ s. d. 12 8 8 0 3 4	Value per Ounce.	44.8	49.8	50.6
			By cyanide		...	0 12 12 2 3 8½	...	1.7	...	33.3
			Extra, by pan		...	...	...	63.7	94.6	83.9
			Total extraction per cent.		...	...	...	...	...	...
R. R. McGregor, Thames	Hard glassy crystalline quartz	1,200	1 17 19	35 18 8	10 14 0	7 12 12 0 6 2	Dry	30.8	46.4	41.8
			By cyanide		...	3 7 22 0 8 4	...	15.7	28.5	26.7
			Extra, by pan		...	...	...	46.5	74.9	68.5
			Total extraction per cent.		...	...	...	...	...	...