

The treatment plant at all the company's mines is somewhat similar, the order of treatment being from stone-breaker to screen, jig, Wilfley table; tailing being finally crushed by stamp battery. The concentrate now obtained never contains less than 70 per cent. tungstic acid, which may be regarded as high concentration. The gold is no longer saved at the Glenorchy mines, owing to the low tenor of the quartz in this metal.

In the annual report of Inspector Whitley, in the Annexure A accompanying this report, reference is made to the foregoing mines in addition to the scheelite-mining operations at Macrae's, Stoneburn, The Reefs, and Waipori; and in the report by Inspector Bishop reference is made to the gold-scheelite mines at Wakamarina, Marlborough, where the output from the principal mine—the Dominion Consolidated—has declined from 110 tons of scheelite-ore, value £14,133, during 1915, to 67 tons, value £11,849, during 1916. At this mine development has not been satisfactory, the lode having pinched out above the bottom crosscut, and prospecting operations underground for its recovery have not been successful. The company, however, has considerable reserves of low-grade scheelite-quartz in their Golden Bar Mine, the value of which may be too low for it to be worked profitably.

Table showing the Quantity of Quartz crushed and Scheelite-ore obtained for the Year ended 31st December, 1916.

Name of Mine or Company.	Locality.	Quartz crushed.	Scheelite Concen- trates obtained.	Value.
<i>Otago and Southland.</i>		Tons.	Tons cwt. qr. lb.	£ s. d.
Glenorchy Scheelite Company and seven parties of miners	Glenorchy, Lake County	926	75 4 0 20	14,593 2 6
Grant and Sinclair	" "	4	0 10 1 8	91 17 6
G. Scurr and party	" "	4	1 0 3 24	161 17 6
Hayward and Hood	" "	4	1 11 1 26	243 5 0
Paulin and Tripp	" "	60	16 17 1 27	3,305 2 6
H. Birley and party	" "	30	10 19 0 20	1,984 17 10
Golden Point Company ..	Macrae's, Waihem o County	440	20 7 0 0	5,914 6 3
D. Peddie and party	Ditto	290	13 6 1 5	
Deep Dell Company	"	17	2 9 2 22	475 15 7
A. Phelan	"	8	5 3 0 15	957 3 0
H. Berry	"	51	2 16 0 1	513 0 9
E. Callery	"	13	1 3 0 16	216 14 10
A. Innes	"	2	0 6 3 14	61 18 0
F. A. Smith	"	7	1 12 3 27	296 3 0
Patrick Donoghue	"	6	2 10 1 27	469 3 3
W. B. Macgregor	"	12	1 6 0 27	231 5 0
W. Lidstone	"	1	0 8 0 12	71 3 3
Fraser and Gaytan	"	75	9 15 2 23	1,811 14 3
Fraser, Gaytan, and Phelan ..	"	5	0 7 1 6	65 13 7
William Macgregor	"	16	1 2 2 27	194 19 6
D. McConnell	"	6	1 3 3 25	225 3 3
Philip Donoghue	"	3	1 5 2 17	225 15 0
James Donaldson	"	1	0 7 2 12	68 12 3
A. A. Cockerell	"	9	1 13 0 1	297 10 0
G. A. Carson	"	7	1 1 2 19	201 5 0
Frank Cockerell	"	10	0 18 1 12	161 17 6
Pascoe and Reid	"	1	0 6 3 27	61 5 0
Mareburn Company	Mount Highlay, Wai- hemo County	1,010	2 15 2 0	496 5 6
Stoneburn Company	Stoneburn, Waihemo County	738	3 5 3 23	523 15 0
A. H. Forbes	Ditto	..	0 16 2 18	122 10 0
R. A. Mathewson	"	..	0 5 2 1	31 10 0
C. P. Cunningham	"	..	0 4 0 26	40 5 0
H. S. Molineaux	The Reefs, Taieri County	40	3 6 1 21	606 5 3
A. C. Buckland	"	10	1 11 1 16	273 0 10
Alexander Ewart	"	4	1 3 2 16	214 7 6
G. Bertenshaw	Waipori, Tuapeka County	..	1 12 0 23	316 1 0
<i>Marlborough.</i>				
Dominion Consolidated Mine ..	Wakamarina ..	15,550	67 0 0 0	11,849 4 11
Totals		19,360	257 18 0 16	47,373 16 1

Certain of the above mines produced gold as follows: Dominion Consolidated, £6,735; Golden Point, £334; Deep Dell, £1; W. Macgregor, £9; Stoneburn, £295; Mareburn, £277.

The number of persons employed at scheelite-producing mines was 169.