

In the following table is shown the quantity of quartz crushed and scheelite (tungsten trioxide) concentrates obtained, together with their value, during the year 1912 :—

Name of Mine or Company.	Locality.	Quartz crushed.	Scheelite (Tungstic Trioxide) Concentrates obtained.	Estimated Value.
<i>Marlborough.</i>				
Dominion Consolidated Development Company	Wakamarina Valley ..	Tons. 3,500	Tons cwt. 33 7	£ 3,259
<i>Otago and Southland.</i>				
Glenorchy Scheelite Syndicate	Glenorchy, Lake County	514	80 8	7,641
Nine parties of miners ..				
Nil Desperandum Claim ..	Macrae's District ..	14	2 10	210
Thomas and Hore ..	" ..	10	2 8	192
Maritana Mining Company ..	" ..	1,290	2 6	161
Forbes Mining Syndicate ..	" ..	5	5 10	440
Golden Bar Gold-mining Company	" ..	536	1 14	163
Gold and Scheelite Prospecting Company	" ..	11,779	10 5	1,016
Golden Point and Mount Highlay Claims				
Totals	17,648	138 8	13,082

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There has been no attempt made to work any of the ironstone-deposits of the Dominion, leaseholders appearing to hold their titles with a view to sale, while taking advantage of any relaxation of the labour-conditions of their leases which they may secure. The Parapara Iron Company continue to pursue the even tenor of its way, by doing very little work upon its extensive and valuable property. Since this company's Cadman lease was issued, on the 5th August, 1905, I estimate after inspection that the total value of the development in the form of prospecting-drives and all preliminary surface arrangements carried out by this company does not exceed £4,600, which is not remarkable considering that during the above period the company has received total protection from or reduction of the labour-conditions of its Cadman lease for several periods, aggregating thirty-six months.

Some publicity has been given to this company during the year owing to a parliamentary Committee having inquired into and rejected certain proposals by an influential London syndicate to erect iron and steel works at Parapara if subsidized to a very substantial extent by the Government.

By means of the prospecting-drives alluded to, information regarding the value of the ore-body has been obtained by the Government. These drives, four in number, aggregate in length 1,860 ft., and were driven from the outcrop at various levels (within a vertical height of about 240 ft.) in the Washbourne Block ore-body from both sides at its central or widest part, and bearing east and west. To ascertain if the ore contained within the hill was of equal value to the general sample of outcrop ore as obtained by Dr. J. M. Bell, and referred to by him in Bulletin No. 3, page 81, of the New Zealand Geological Survey, samples of ore were taken systematically along the whole course of the drives and crosscut by Mr. T. O. Bishop, A.O.S.M., Inspector of Mines, the general sample of which more correctly represents the average value of ore that may be sent to a furnace than those of outcrop ore. The samples thus taken by Inspector Bishop were forwarded to the Dominion Analyst, who had assayed the samples submitted to him by Dr. J. M. Bell previously alluded to. A comparison of the results is of interest, as showing the difference in value between surface ore and ore from the mine :—

	Outcrop Ore, General Sample; Average of Twenty-eight Samples taken by Dr. Bell. Per Cent.	Ore from Drives, General Sample; Average of Fifteen Samples taken by Inspector Bishop during 1913. Per Cent.
Silica (SiO ₂)	9.56	16.42
Alumina (Al ₂ O ₃)	3.36	5.39
Ferric oxide (Fe ₂ O ₃)	71.25	64.32
Ferrous oxide (FeO)	1.94	..
Manganous oxide (MnO)	0.65	0.71
Lime (CaO)	0.51	Nil.
Magnesia (MgO)	0.10	0.16
Titanic-dioxide (TiO ₂)	0.63	0.49
Phosphoric anhydride (P ₂ O ₅)	0.35	0.31
Sulphuric anhydride (SO ₃)	0.21	0.18
Carbon-dioxide (CO ₂)	0.10	0.46
Alkalies	0.08	..
Water, and loss on ignition	11.84	11.56
	100.58	100.00
<i>Equivalents.</i>		
Metallic iron	51.38	45.02
Phosphorus	0.15	0.13
Sulphur	0.08	0.075