

Tailings treated.

	Quantity.	Yield.	Value.	Remarks.
	Tons cwt.	Oz. dwt.	£ s. d.	
Glenrock Consolidated (Limited), Macetown ...	48 0	...	563 7 3	Cyanide.
Westralia and New Zealand Gold Explorers (Limited), Macetown	135 10	...	546 14 6	Roasting and cyanide.
Morning Star Gold-mining Company, Preservation Inlet	Not stated	139 4	500 0 0	...
Cromwell Goldfields (Limited), Bendigo ...	89 0	7 0		
F. H. Perry, Rough Ridge ...	16 0	3 0		
	288 10	149 4	1,610 1 9	...

The foregoing summary of returns from the different mines shows that 19,820 tons of quartz were crushed for 17,301 oz. 18 dwt., valued at £67,900; and 288 tons 10 cwt. of tailings were treated for a yield of gold valued at £1,610 1s. 9d.: total value, £69,510, compared with £40,000, the estimated value for last year, showing the increase in value to be £29,510. The increased returns are chiefly from the Glenrock and Westralia Mines, at Macetown, the Cromwell Mine, at Bendigo, and the Achilles Mine, Skipper's. A continuation of payable returns is to be expected from the Macetown district, the mines being better developed each succeeding year, and probably the Achilles Mines, after the dead-work is finished, will maintain yields equal to the past. The success at the Cromwell is due to exploration on the part of the tributers. The Morning Star Mine has got payable ore in sight, but it is questionable whether exploration work is sufficiently advanced to enable returns like those mentioned to be maintained.

On the whole, the prospects of success attending mining for quartz in the Otago and Southland goldfields are very good. The exploration work at Barewood, Canada Reefs, Waipori, and Preservation Inlet is being carried on systematically, and in a way to prove the value of those reefs known to exist, some of which have already been proved to produce rich quartz.

The Old Man Range is one of the districts that is well worthy of being still further prospected.

ALLUVIAL MINING.

This description of mining comprises the various methods of recovering gold from the beds of streams and rivers by hydraulic sluicing, elevating, and dredging; also, in ground-sluicing and hydraulicking the older accumulations of auriferous gravel, the result of lacustrine, fluvial, and estuarine deposits, or accumulations of morainic matter carried out of the mountainous regions by the action of ice; and latterly, although not to any great extent, mining for the strata of wash now superimposed by later accumulations of the younger drift gravels.

The Middle Island, in the western parts, from Collingwood in the north to Preservation Inlet at the most southerly point, and more to the eastward in central and eastern Otago, has been the theatre of vast geological changes, and many of those deposits of gold-bearing gravels exist at various horizons from below sea-level at Ross, on the West Coast, to Mount Arthur table-land in Collingwood, at an altitude of 4,000 ft., and in Otago from sea-level to elevations of 4,000 ft. at Mount Criffel, Mount Buster, and other mountain ranges. These auriferous drifts, being of so varied a character, and found in such numerous localities, afford material for the operations of the miner in such quantities that, notwithstanding the extensive appliances now used, years must elapse before they can be exhausted.

The following abstracts of claims held under licenses in the Marlborough, Collingwood, and Westland districts show the large area occupied in that way by persons interested in alluvial mining, while throughout the various mining districts a very considerable area is still held by individuals under their miners' rights.

ABSTRACT OF LICENSES for SPECIAL CLAIMS and LICENSED HOLDINGS issued from the Wardens' Offices, and registered on or before the 31st March, 1898, in the Books of the Mining Registrar.

Date of License.	Area.	Locality.	Block.	Survey District.	Name of Claim.	Name of Registered Owner.
<i>Havelock.</i>						
30/6/94	A. R. P. 4 2 11	Wakamarina ..	..	Wakamarina	The Gorge ..	The Wakamarina Gorge Gold-mining Co. (Ltd.).
30/6/96	30 0 0	" ..	..	"	Quayle's Terrace ..	H. F. Thompson.
1/2/98	30 0 0	" ..	..	"	All Nations ..	All Nations Hydraulic Sluicing Co.
25/2/98	28 0 0	" ..	..	"	New Mentor ..	Thomas Todd.
25/2/98	30 0 0	" ..	..	"	New Midas ..	G. M. Mathieson.
25/3/98	30 0 0	" ..	..	"	Yukon ..	David Girdwood.
30/10/96	11 0 0	Wakamarina River	..	"	Golden Point ..	G. P. Hilton and C. L. Diamanti.
30/10/96	10 0 20	Ditto ..	..	"	Quayle's Terrace ..	Harry F. Thompson.
30/10/96	13 0 0	" ..	..	"	Wakamarina Dredging Co.	Henry D. McKenzie.
24/2/98	12 1 0	" ..	..	"	Croesus ..	Q. J. Scott.
24/2/98	13 2 0	" ..	..	"	Trafalgar ..	William E. Clouston.
24/2/98	0 2 0	" ..	..	"	Hamilton ..	Alfred Rogers.