

REFERENCE ONLY

REPORT
of the
DEPARTMENT OF MINES

FOR THE YEAR

1898.

—
W. A.

1899.

WESTERN AUSTRALIA.

R E P O R T

OF THE

DEPARTMENT OF MINES

FOR THE YEAR

1898.

Presented to both Houses of Parliament by His Excellency's Command.

PERTH:

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1899.

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Diagram

Showing Registered

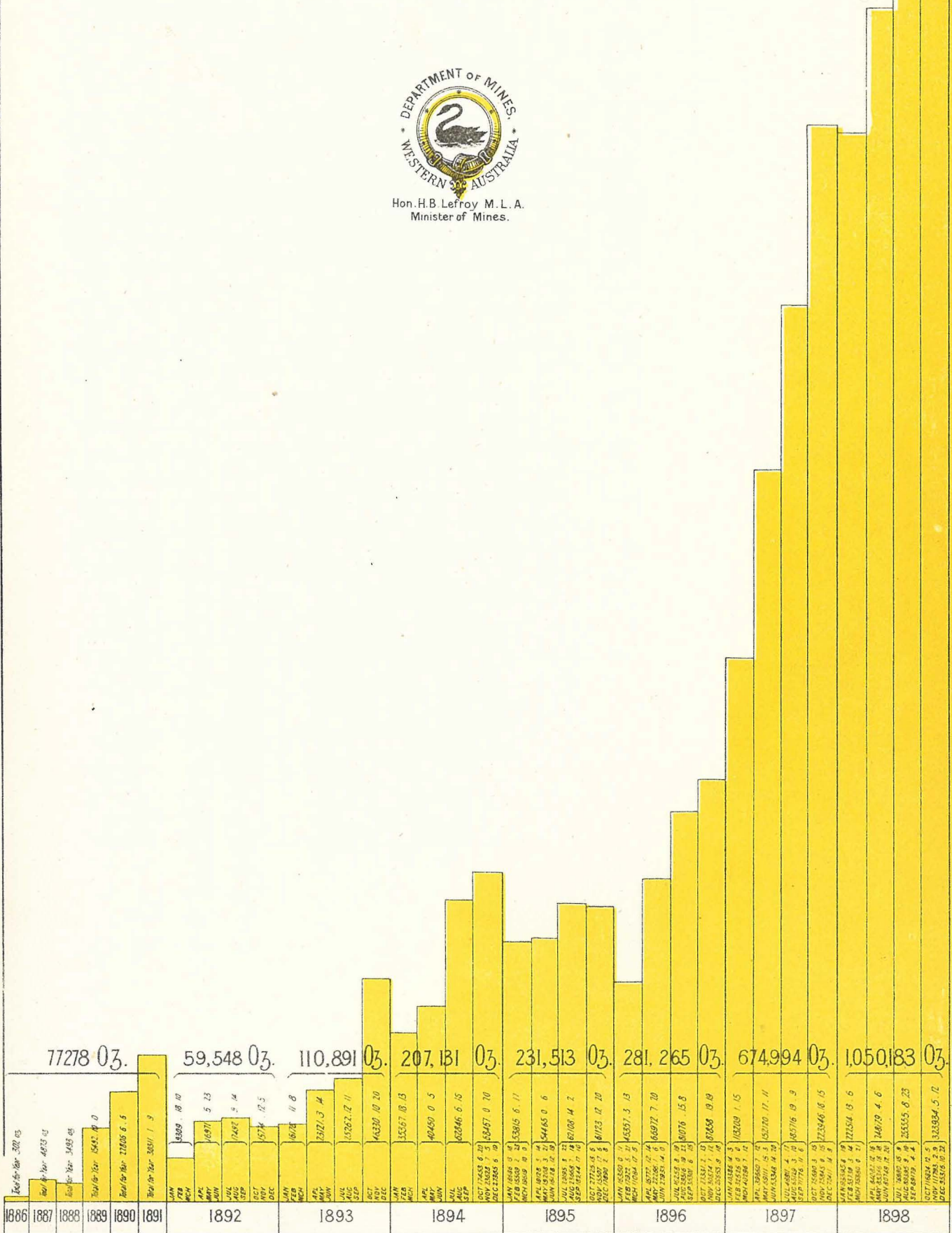
EXPORT OF GOLD

FROM

Western Australia.



Hon. H.B. Lefroy M.L.A.
Minister of Mines.



Report of the Department of Mines for the Year 1898.

The Hon. H. B. Lefroy, M.L.A., Minister of Mines.

Department of Mines,
Perth, 4th September, 1899.

SIR,

I have the honour to submit the Annual Report on the Department for the year 1898, with Reports and Returns from the various Wardens and other officers; and special Tables of Statistics, furnished by the Statist to the Department, referring to all the Goldfields of the Colony.

Since the previous year, as predicted, this Colony has reached the proud position of being the largest gold producer of the Australian colonies; the total output for 1898 being 1,050,183oz.; Queensland taking second place with 920,048oz. At the present rate of progress Western Australia is fast increasing its lead; and if the cost of working the numberless comparatively speaking low grade reefs that are known to exist could be brought to approach that of South Africa, that Colony, too, would have to look to its laurels to maintain its present position of premier gold-producing country of the world.

The rapid advance in the gold yield of East Coolgardie is one of the features of the year. Large as was the output for the preceding year, viz., 300,037oz., the total for 1898 reaches the magnificent return of 450,312oz., as given in the Export Returns; thus taking a very prominent part in swelling the total for the Colony, and what is of as great importance is the fact that the mines maintain their value as the workings continue in depth.

Foremost among the important developments must be ranked the wonderful progress in prospecting the deep alluvial leads at Kanowna (the discovery of which originated in the latter part of 1897), from which a large quantity of gold has been obtained, and which gave employment at one time to thousands of diggers. These discoveries led to vigorous prospecting being carried on for deep alluvial in the other Goldfields, but in no instance were the finds anywhere approaching Kanowna in quantity or richness of yield. It is the prevailing opinion, however, that leads just as rich will be discovered in other localities after further search.

The Government offered a reward of £500 for the discovery of deep alluvial; but the period during which the reward was available lapsed without the conditions entitling the reward to be granted being fulfilled.

One significant indication of the value of our mines is the prominence they have attained on the London share market. Most of the gold-producing mines on the London Register have increased enormously in the value of their shares, and the days of long depression and continuous stagnation, that so seriously affected the Westralian Mining Market, can be considered as having passed for good.

The following are a few figures showing the advance made during 1898 over the previous year:—

<i>Value of Mining Machinery.</i>			
£1,050,020	for	...	1897.
£1,563,208	for	...	1898.
<i>Number of Stamps.</i>			
1,787	for	...	1897.
2,921	for	...	1898.
<i>Total Ore treated.</i>			
Tons 415,424	for	624,201oz. for	...
Tons 762,084	for	960,250oz. for	...
			1897.
			1898.
<i>Total Export of Gold.</i>			
674,993oz.	for	...	1897.
1,050,183oz.	for	...	1898.

Owing to the rise in price of tin, Greenbushes Mining District (the progress of which during the greater part of 1898 was practically stationary) now shows signs of great activity, and the district has at once been brought into a position of prominence.

The Government must be congratulated upon their decision to lease the Government Mine at the Collie. The results which have followed have proved highly satisfactory, not only to the Colony but to the lessees, and acted as an incentive to the other Mine Owners in the district to develop their properties.

DIAMONDS.

The discovery of diamonds at Nullagine, in the Pilbarra Goldfield, caused some excitement, and several leases, etc., were taken up; but, so far, nothing of great importance has been found. From time to time reports as to the existence of diamonds in this portion of the Colony have come to hand, and it is to be hoped that the present discovery will lead to a payable diamond field being established.

The following Return gives the quantity of Gold Ore exported for treatment:—

Return showing the quantity of Gold Ore exported for Treatment during the year 1898.

	Tons.
United Kingdom	165 $\frac{1}{4}$
Victoria	94
South Australia	6,203
New South Wales	2,243 $\frac{1}{2}$
Germany	$\frac{1}{2}$
Total	8,706 $\frac{1}{4}$

The Minerals exported during the year were as follows:—

Lead Ore, 5 tons, value	£33
Copper Ore, 355 tons, value	£4,266
Tin Ore, 68 tons, value	£2,760

The following table shows the number and description of Mineral Leases in force during 1898:—

Table showing number and description of Mineral Leases in force on December 31st, 1898.

Minerals mined for.	Coolgardie.	East Coolgardie.	North Coolgardie.	Broad Arrow.	West Pilbarra.	N.E. Coolgardie.	Greenbushes.	Gascoyne.	Murchison.	Yilgarn.	Mt. Margaret.	Yalgoo.	Dundas.	East Murchison.	Northampton.	Yandimooka.	Pilbarra.	Collie.	Total number of Leases.
Lead ... ..	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Copper ... ..	...	...	1	1	14	...	...	...	...	...	2	2	...	...	1	...	...	...	21
Iron ... ..	...	...	...	...	3	...	...	...	...	1	...	...	...	...	...	...	...	...	4
Tin ... ..	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2
Coal	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	68	69
Quicksilver... ..	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Asbestos ... ..	...	2	...	3	...	...	...	1	1	...	...	...	...	...	...	...	...	...	7
Mica... ..	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Slate	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Stone	8	9	...	...	...	3	...	...	1	...	...	...	...	...	...	...	...	...	21
Clay for Bricks	3	17	...	1	...	2	...	...	1	...	...	...	...	2	...	...	...	...	26
Lime	1	5	...	1	1	...	...	...	...	...	...	...	1	1	...	...	...	...	10
Diamonds ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	...	8
Various Minerals	6	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
Lead and Copper, combined ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	34	2	...	...	36
Copper, Lead and Silver, combined. ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	4
TOTAL	23	40	1	6	19	5	2	1	3	1	2	2	1	3	39	2	8	68	226

Now that more attention is being turned to mining for minerals other than gold, it is intended in the future to strictly enforce the furnishing of returns of all minerals raised, in the same manner as is now done with regard to gold.

DONNYBROOK.

Although the discovery of gold at this locality originated in 1898, the rush that has subsequently set in does not come within the scope of this Report. I cannot refrain, however, from making a passing reference, owing to the prominent position the district is likely to take as a goldfield in the near future. The few crushings that have been made have yielded very satisfactory results, and as there is plenty of timber and water in the locality, and the railway passes through the district, the cost of mining should be moderate, and thus aid the development of the numerous reefs that are known to exist.

PHILLIPS RIVER.

The discoveries in this locality were made subsequent to the year 1898. Promising copper lodes have been discovered as well as gold-bearing reefs. This find is situated about midway between Albany and Esperance.

PUBLIC BATTERIES.

Since provision was made on the Estimates for erection of Public Batteries for the different goldfields, nine have been erected, viz., at the following localities:—Norseman, Bulong, Mulline, Leonora, Mt. Ida, Yerilla, Lennonville, Tuckanarra, Yalgoo, with a total of 105 stamps; and, as will be seen from the Superintendent's Report, 6,923 tons have been crushed up to the present. It is satisfactory to learn also that five of these batteries are returning a profit of 2s. to 3s. 6d. per ton.

Now that water has been struck at Ravelstone (in the Peak Hill Goldfields), in the shaft put down by the Government, it has been decided to place a 10-head battery there, as this district is greatly in need of crushing power.

The erection of these batteries should prove of great assistance to the prospectors in aiding them to open up their leases, and the leaseholders should justify the action of the Government in granting their demands for Public Batteries by keeping them fully supplied with ore.

ACTS PASSED.

The following Acts were passed during 1898:—

“The Goldfields Act of 1895 Amendment Act, 1898.”

“The Mining on Private Property Act, 1898,” that of 1897 being repealed.

REGULATIONS.

It was found necessary to both amend a number of existing Regulations and pass new ones, the most important being those passed in connection with “The Goldfields Act, 1895, Amendment Act, 1898,” providing for the working of alluvial on leases until they are granted, and registration of gold buyers and dealers.

The following is a list of the Regulations passed:—

List of Amendments of Regulations, and New Regulations during 1898.

Date of Gazette.	Act referred to.	Regulations.
1898.		
21st January ...	Mineral Lands Act, 1892	Amendment of Regulations 40 and 43.
21st January ...	Goldfields Act, 1895	Do. 89 (new Regulation).
29th January ...	Do.	Amendment of Regulation 103.
2nd April ...	Do.	Do. 103.
29th April ...	Do.	Do. 187.
9th September ...	Mineral Lands Act, 1892	Additions to Regulations 80 and 84.
9th September ...	Do.	Do. 2.
4th November ...	Do.	Amendments of Regulations 80 and 84, and new Regulations 80a and 84a.
23rd October ...	Mining on Private Property Act, 1898	Regulations under.
18th November...	Goldfields Act, 1895	Repeal of Regulations 102a, 103, and 109, and making of Regulations under Amendment Act, 1898.
9th December ...	Goldfields Act, 1895, Amendment Act, 1898	Amendment of Regulation 16 and Schedule IX.
16th December...	Goldfields Act, 1895	Repeal of Regulations 45, 98, and Schedules 11, 22, and 22a, and new Regulations and Schedules in place thereof.

Mining on Private Property Act.

The Act of 1897 has since been repealed, and that for 1898 come into force. It embodies the principal features of the Victorian Private Property Act.

The Resident Magistrates act as Wardens for their respective Magisterial Districts, and all applications under the Act must be made through them when private land is not situated within the boundaries of a proclaimed goldfield.

There have been 14 leases applied for during the year, with a total area of 188 acres. The districts in which the applications were made are shown as follows:—

Magisterial District.	Lease.	Area.
Wellington	12	152 acres.
Northam	1	12 „
Kanowna	1	24 „
	—	—
Total	14	188 „
	—	—

STAFF.

As in the other Departments of the Service, retrenchments were made in the staff wherever possible. The number of officers whose services were dispensed with was 35, representing £6,840 per annum less expenditure.

The total number of officers in the Department on the 31st of December, 1898, was 154.

OFFICES CLOSED.

It was found that the business carried on at the centres of Kurnalpi, Kunanal-ling, and Day Dawn could be dealt with at their respective Head Offices without much inconvenience to the Public; so the local Registrars' Offices at these places were closed.

The following is a list giving the names of Mining Companies registered during 1898; 89 of these were foreign and 15 local.

Mining Companies registered during 1898.

Companies.	Date of Registration.	Foreign.	Local.
	1898.		
Kalgoorlie Central Gold Mine, Limited	8th January...	1	
Boulder Consols No. 1 Gold Mining Syndicate, No-Liability	10th January...	1	
Auxiliary Associated Gold Mines (W.A.), Limited	10th January...	1	
Lady Loch Gold Mines, Limited	11th January...	1	
Bonnie Charlie Central Gold Mining Company, No-Liability	15th January...	1	
Bonnie Charlie Gold Mining Company, No-Liability	18th January...	1	
Slug Hill Proprietary Gold Mines Company, No-Liability	18th January...	1	
Trafalgar Gold Mine (W.A.), Limited	19th January...	1	
Golden Casket Gold Mining Company, No-Liability	22nd January...	1	
New No. 1 North Norseman Gold Mining Company, No-Liability	29th January...	1	
Associated Mount Jackson Gold Mines (W.A.), Limited	4th February	1	
Carlyle Consolidated Gold Mines, Limited	4th February	1	
Kalgurli Ore Reduction Syndicate, Limited	8th February	1	
Kalgurli United Gold Mining Company, Limited	10th February	1	
Victoria Cross Proprietary Gold Mining Company, No-Liability	12th February	1	
Ludlow Gold Mines, Limited	22nd February	1	
Ironsides North Gold Mining Company, No-Liability	23rd February	1	
The Imperial Boulders Gold Mining Company, No-Liability	23rd February	1	
Yerilla Gold Mining Company, No-Liability	26th February	1	
The Northam Milling and Mining Company, Limited	1st March ...	1	
The Ballarat and Prince Oscar Syndicate, Limited	2nd March ...	1	
The Indian and Colonial Goldfields, Limited	3rd March ...	1	
The Sons of Gwalia, Limited	5th March ...	1	
The Lombard Gold Mine (W.A.), Limited	7th March ...	1	
The Charing Cross Gold Mine (W.A.), Limited	8th March ...	1	
Hannan's Young Mount Morgan, Limited	15th March ...	1	
Menzies, Limited	18th March ...	1	
Menzies Gold Estates, Limited	22nd March ...	1	
The Peak Hill Explorers, Limited	22nd March ...		1
Ivanhoe and Boulder Junction Gold Mining Company, No-Liability	26th March ...	1	
The Fields Find Gold Mines, Limited	29th March ...	1	
The Niagara Battery Company, Limited	7th April ...	1	
Kalgoorlie Consols, Limited	7th April ...	1	
The Consuelo Gold Mines, Limited	14th April ...	1	
The Golden Horseshoe Gold Mining Company, Limited	16th April ...	1	
Hannan's Associated Mines, Limited	19th April ...	1	
The Richmond Consolidated Mining Company, Limited	20th April ...	1	
The Zoroastrian Gold Mines, Limited	25th April ...	1	
The Arrow Brownhill Gold Mining Company, Limited	30th April ...	1	
The Two Chums Gold Company, Limited	5th May ...	1	
The New Kingsley Hall Reward Gold Mining Company, No-Liability	12th May ...	1	
The Boulder Milling Company, Limited	13th May ...	1	
The Golden Age, Lake Way, Limited	21st May ...	1	
The Monarch Gold Mining Company, No-Liability	23rd May ...		1
The Great Boulder Deep Lead Syndicate, Limited	2nd June ...		1
Hannan's North Gold Mining Company, Limited	3rd June ...	1	
The Copper Estates of W.A., Limited	8th June ...	1	
The Desirable Proprietary Gold Mines, W.A., Limited... ..	8th June ...	1	
The Croesus South Gold Mines, Limited	8th June ...	1	
The White Feather Main Reefs, Limited	15th June ...	1	
The Cue Consolidated Gold Mines, Limited	15th June ...	1	
The Coolgardie Deep Lead Syndicate, No-Liability	16th June ...		1
Hicks Gold Mine, Limited	21st June ...	1	
Emperor Gold Mines, Limited	23rd June ...	1	
Fowler's Comet Leases, Limited	24th June ...	1	
Kanowna Puddling Company, No-Liability	27th June ...		1
The Gem of Cue, Limited	4th July ...	1	
The Great Northampton Copper Proprietary Company, Limited	4th July ...		1
Hampton Gold Fields, Limited	4th July ...	1	
Kanowna Champion Lode Gold Mining Syndicate, Limited	4th July ...		1
The Coolgardie Prospecting Deep Lead, Limited	6th July ...		1
Dorothy's Dream Gold Mining Company, No-Liability	6th July ...	1	
Mount Malcolm Great Northern, Limited	7th July ...	1	
Doncaster Gold Mines, Limited	18th July ...	1	
Kirkpatrick's Consolidated Gold Mining Company, No-Liability	19th July ...	1	
Polar Star Gold Mines, Limited	21st July ...	1	
Malcolm Explorers, Limited	27th July ...	1	
Hannan's Main Reef Gold Mining Company, No-Liability	28th July ...	1	
The Mt. Magnet Occidental Gold Mining Company, No-Liability	5th August ...	1	
The Blue Jacket Prospecting Company, Limited	8th August ...		1
Kalgoorlie Crushing and Cyaniding Company, Limited	10th August ...	1	
Star of Gwalia, Limited	16th August ...	1	
The Mainland East, Limited	22nd August ...	1	
The Barrington Gold Mining Company, No-Liability	24th August ...		1
The Redcastle Reward Proprietary Gold Mines, Limited	30th August ...	1	
Bayley's Great Oversight Gold Mine, No-Liability	31st August ...	1	
Cosmopolitan Proprietary, Limited	1st September	1	
The Peak Hill Goldfield, Limited	8th September	1	
Dickens Custer Mine, Limited	8th September	1	
The Goldfields Diamond Drilling Company, No-Liability	8th September		1
The Westralia Prospecting Company, Limited	8th September	1	
Hannan Central Gold Mine, Limited	12th September	1	
The West Australian Gold and Copper Syndicate, Limited	12th September		1

Mining Companies registered during 1898—continued.

Companies.	Date of Registration.	Foreign.	Local.
	1898.		
Cumberland Niagara Gold Mines, Limited	16th September	1	
The Norseman Gold Mining Company, No-Liability	4th October ...	1	
The Victoria and Day Dawn Gold Mining Company, W.A., No-Liability	4th October ...	1	
Central and West Boulder Gold Mines (W.A.), Limited	6th October ...	1	
The Lanarkshire Gold Mines of Australia, Limited	6th October ...	1	
The Hit or Miss Proprietary Gold Mines, Limited	7th October ...	1	
Ritanita Mining and Sample Milling Company, Limited	14th October ...	1	
The Burbank Southern Goldfields, Limited	27th October ...	1	
The Australian Gold Leases Development Company, Limited	1st November	1	
Boulder Junction Mines, Limited	3rd November	1	
Hannan's Reward, Limited	23rd November	1	
The Colliburn Coal Development Company, Limited	2nd December	...	1
The New Fitzroy Gold Mining Company, No-Liability	2nd December	1	
The Paringa Consolidated Mines, Limited	7th December	1	
The Australian Champion Reef Company, Limited	7th December	1	
North Boulder East Block (1898), Limited	9th December	1	
The Golden Arrow Mine, Limited	9th December	1	
The North Lead Alluvial Gold Mining Company, No-Liability	10th December	...	1
Homeward Bound Gold Mining Company, Limited	14th December	...	1
The Dixie Gold Mine, Limited	16th December	1	
Majestic Gold Mines, Limited	16th December	1	
The Aberfoyle Gold Mine, Limited	22nd December	...	1

Mining Revenue, 1898.

Goldfield or District.	Lease Rental under M.L. Act.	Other Sources under M.L. Act.	Lease Rental under Goldfields Act.	Other Sources under Goldfields Act.	Survey Fees.	Examination Fees.	Exemption Fees.	Receipts from all other Sources.	Receipts from Public Batteries.	Total.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Kimberley ... ..	...	...	13 0 0	58 1 0	...	...	...	...	...	71 1 0
Pilbarra	70 0 0	5 5 0	982 18 0	571 9 6	541 10 0	29 0 0	253 9 0	2 9 0	...	2,456 0 6
West Pilbarra	110 6 3	27 0 0	93 8 0	155 2 0	109 8 0	7 10 0	127 7 6	2 18 0	...	632 19 3
Ashburton... ..	...	...	27 14 0	35 10 0	2 0 0	...	4 4 0	0 2 0	...	69 10 0
Gascoyne ... ..	...	...	50 16 0	49 9 6	21 10 0	...	10 9 0	0 2 0	...	132 6 6
Peak Hill ... ..	...	1 0 0	921 15 0	446 7 0	369 0 0	8 10 0	67 4 0	1 11 0	...	1,815 7 0
Murchison	3 2 6	11 0 0	3,413 16 0	1,761 7 6	708 15 8	130 2 6	779 3 0	11 4 6	...	6,818 11 8
East Murchison	0 15 0	2 5 0	1,338 6 0	599 8 6	346 18 0	39 0 0	283 18 0	2 14 0	...	2,613 4 6
Yalgoo	22 10 0	16 10 0	615 16 0	214 2 6	131 7 6	20 10 0	241 10 0	0 8 0	...	1,262 14 0
Yilgarn ... ..	...	7 10 0	345 7 0	164 8 6	67 0 0	...	137 19 0	6 18 6	...	729 3 0
Coolgardie	19 1 3	8 0 0	4,093 3 0	1,738 10 0	985 10 0	225 18 5	1,122 5 0	38 18 0	...	8,231 5 8
East Coolgardie	31 13 9	13 0 0	6,201 3 0	3,334 16 0	579 15 0	376 0 0	2,088 10 0	21 4 0	...	12,646 1 9
North-East Coolgardie	2 7 6	4 0 0	2,861 18 0	3,447 17 1	807 0 0	...	834 8 0	16 4 0	...	7,973 14 7
Broad Arrow	5 0 0	2 0 0	2,032 3 0	844 2 0	357 0 0	71 10 0	577 18 0	1 3 0	...	3,890 16 0
Dundas	1 2 6	2 5 0	1,466 10 0	731 8 6	370 16 0	49 10 0	318 13 0	0 19 0	303 10 3	3,244 14 3
North Coolgardie	6 15 0	8 0 0	4,336 16 6	1,590 9 3	1,372 17 6	58 0 0	705 9 0	10 11 0	...	8,088 18 3
Mount Margaret... ..	...	...	3,852 12 0	1,189 2 0	1,499 0 0	46 0 0	466 8 0	2 7 0	...	7,055 9 0
Collie Coalfield	206 13 6	75 2 6	...	...	95 18 0	4 10 0	146 18 0	0 10 0	...	529 12 0
Northampton	141 3 9	89 10 6	...	...	50 10 0	...	131 18 0	1 10 0	...	414 12 3
Greenbushes, Head Office and other places outside Goldfields and Mining Districts	185 10 0	163 4 0	8,043 1 6	1,874 14 8	172 15 0	...	128 17 0	48 4 6	...	10,616 6 8
Total Revenue for 1898 £	806 1 0	435 12 0	40,690 3 0	18,806 5 6	8,588 10 8	1,066 0 11	8,426 7 0	169 17 6	303 10 3	79,292 7 10

The Revenue and Expenditure are shown in the following tables:—

Expenditure, 1898.

Sub-Head.	Amount.		
	£	s.	d.
Salaries, Fixed	12,430	8	2
Salaries, Provisional and Temporary	28,784	17	5
Allowances	2,313	16	5
Incidental Expenses	4,099	1	11
Equipment, Conveyance, and Repairs	589	19	1
Postage and Telephone Rent	1,067	11	4
Foreign Telegrams and Stationery	1,594	4	6
Surveys on Goldfields	1,512	0	0
Travelling Expenses	5,794	7	3
Survey of Leases, Areas, etc.	10,774	8	11
Examination of Engine-drivers	803	13	4
Exemption Fees	1,036	11	6
Reward, T. J. Cue	100	0	0
Do. Peter Lawler	100	0	0
Do. Perrin and Hay	100	0	0
Royal Commission on Mining	4,551	7	7
Additional Machinery, Litho. Branch	211	9	11
Collection of Statistics	386	15	0
Rent, Litho. Office	160	0	0
<i>Public Batteries Branch—</i>			
Salaries, Fixed	298	7	9
Salaries, Provisional and Temporary	835	7	8
Contingencies	1,953	0	7
<i>Steam Boilers Act—</i>			
Salaries, Fixed	200	0	0
Contingencies	26	6	10
Total Expenditure for 1898	£79,723	15	2

Following hereon are brief remarks and references made with regard to each of the Goldfields and Mining Districts, gathered from the various Reports of the Wardens, etc. :—

KIMBERLEY GOLDFIELD.

There seems no probability of any material advance in the near future in the prosperity of this, the oldest, goldfield of the Colony. It is unfortunately situated as to means of access.

PILBARRA GOLDFIELD.

The prospects of this field seem bright. During the year fresh reefs, which have proved to be rich, have been discovered at the localities of Warrawoona (formerly known as Salgash) and at the 40-Mile, situated East of Nullagine, and there is no doubt that systematic prospecting would lead to further valuable discoveries, but the distance of the field from the more populous centres has deterred prospectors from the Southern Goldfields. Some samples of asbestos forwarded from the Tambourah District for analysis and report by the Government Assayer proved to be of good quality; the samples were obtained from a lode of considerable size.

As mentioned by the Warden in his report, an important discovery of tin was made subsequent to the close of the year 1898, at a place called "Brockman's Soak," 12 miles from Marble Bar, samples of which, as assayed by the Government Assayer, yielded 68·1 per cent. of metallic tin.

Recent discoveries of diamonds in the Nullagine District of this Goldfield caused some excitement, and several leases were taken up; but so far nothing of great importance has been discovered. The introduction of capital for the systematic prospecting and working of the district would decide the value of the find.

WEST PILBARRA GOLDFIELD.

More attention has been turned to copper mining than gold on this field, several rich ore bodies being worked; particularly the leases held at Whim Creek, where is situated the well-known Whim Well Copper Mine, now a freehold property, having been acquired under "The Lands Act of 1882."

Of the gold mining leases, those at Toweranna have given very good crushing results.

ASHBURTON GOLDFIELD.

With the Gascoyne and Kimberley, this field shares in the disadvantage of being isolated. A considerable quantity of alluvial gold has been obtained in the locality of Mount Mortimer and at the "Soldier's Secret," and now that the drought has broken up, it is anticipated that good finds will be made.

From the locality known as the "Gorge" samples of ore were forwarded to the Government Assayer by the Warden, the results of which were as follows:—

		Assay Results.
Sample 1	... ..	{ Lead, 52·8 per cent. Copper, 0·65 per cent. Silver, 8oz. 12dwt. 17grs. per ton. Gold, 3dwt. 6grs. per ton.
Sample 2	... ..	{ Lead, Trace. Copper, 0·87 per cent. Silver, 2oz. 5dwt. 17grs. per ton. Gold, 1oz. 8dwt. 13grs. per ton.

The samples were obtained by the Warden from a well defined lode extending about one mile East and West, and in some places over six feet wide.

The Warden considers that this should turn out to be a good Mineral District.

GASCOYNE GOLDFIELD.

This field suffers from the same disability as the Ashburton, as regards difficulty of communication. During the past year, owing to the prolonged drought, prospecting has been retarded, and no fresh finds have been discovered. The opinion, however, locally is that the field has a good future before it. Samples of stone forwarded by the Warden, and which were obtained from an abandoned shaft about one mile from Bangemall, gave the following results, as furnished by the Government Assayer, viz. —

		Assay Result.
Sample 1	... ..	{ Gold, 4ozs. 3dwt. 7grs. per ton. Silver, 1ozs. 11dwt. per ton.
Sample 2	... ..	{ Gold, 7ozs. 11dwt. 8grs. per ton. Silver, 5ozs. 16dwt. 15grs. per ton.

PEAK HILL GOLDFIELD.

The development of this field, though slow, is distinctly progressive, but, owing to a long continued drought, prospecting has been much hindered.

A great assistance to the business of the field was the connection of Peak Hill with the rest of the world by telegraph.

One of the two reasons advanced by the Warden for the slow progress of the field, viz., the want of public crushing power and distant and expensive carriage, will shortly be removed, as it has been decided to erect a public battery at Ravelstone. Plenty of water has been struck in the shaft put down by the Government for battery purposes.

The total output of gold, as per export returns, was 13,736ozs., compared with 5,110ozs. for 1897, being the amount obtained from the 1st August of that year.

MURCHISON GOLDFIELD.

The progress of this field during the year has, I regret to say, not been as active as it might have been, chiefly owing, as stated by the Warden, to several foreign companies abandoning their leases, and thus throwing a lot of men out of employment. This, however, did not result as disastrously as might have been expected, as the majority of the men turned their attention to prospecting, taking up quartz claims with good results in the majority of cases, and were thus the means of keeping the public crushing plants employed.

Some turned their attention to prospecting for alluvial, but without payable results.

In spite of the inactivity displayed in mining generally, the total crushings exceeded that of 1897 by 13,843 tons. The total gold yield, as shown in export returns, being 93,667ozs. compared with 82,891ozs. of the previous year.

As has been the case in the other goldfields of the Colony, the mines generally seem to improve in value as they proceed in depth. As an instance, the "Star of the East," one of the oldest mines of the field, is now raising stone over 1oz. to the ton in value. This, compared with the average of 17dwts. 8grs. per ton last year, is very encouraging.

The total value of mining machinery is £212,291. Eight more batteries with 85 head of stamps have been erected during the year, and two public batteries erected by the Government at Tuckanarra and Lennonville. The total number of stamps is 488 as against 365 for 1897.

YALGOO GOLDFIELD.

It was not till the close of the year that the mining industry of this field started to revive, and since then the crushing power of the field has been considerably augmented. There are now 94 head of stamps erected, as compared with 56 for 1897.

A public battery has been placed by the Government near the town of Yalgoo, and a number of leases have, in consequence, been taken up, the holders being able to get their ore crushed at the least possible expense.

The localities of Field's Find and Rothesay appear to have a promising future before them.

The output of gold for the year, as shown in the export returns, amounted to 3,756oz. as against 2,034oz. for 1897.

EAST MURCHISON GOLDFIELD.

Mining matters on this Goldfield, during the year under review, have been quiet; but steady progress has been made in the gold output; the total for this year, as per export return, being 39,563oz. as against 9,453oz. for six months of 1897.

The extension of the railway North from Menzies would give a great impetus to mining in these districts, handicapped as they now are by the cost of carriage.

MOUNT MARGARET GOLDFIELD.

For, comparatively speaking, a new field (for previous to August, 1897, it was a portion of North Coolgardie), the development has been little short of phenomenal, the Mount Malcolm District, so far, proving to be the most important one; and the ultimate extension of the railway system to this field will add to its still more rapid development.

The total yield of gold for 1898, as shown by the export returns, was 43,266ozs., compared with 8,685ozs. for six months of the previous year.

NORTH COOLGARDIE GOLDFIELD.

The year 1898 shows a considerable advance for this field, no less than 65 leases being applied for over and above the total for 1897; the number of batteries in existence being 30, with 365 stamps, as against 19 batteries and 200 stamps for 1897; and the total yield being 71,746ozs. 8dwts. 10grs., as against 62,365ozs. 15dwts. 23grs. for 1897.

Five alluvial finds were made during the year, only one of which, however, proved payable, viz., that of Yilgantie.

Three new lines of reefs have also been discovered of a promising nature; one of which is situated about four miles West of Mount Ida. It was discovered by Mr. L. R. Menzie, the prospector of the Lady Shenton Mine, and after whom the Menzies District was named.

The opening of the railway to Menzies by His Excellency the Governor was marked by great rejoicings, and has proved a great boon to the district.

The question of water supply for the Menzies District is a very troublesome one; but, as soon as a good supply is assured, numbers of leases will be taken up that are now abandoned.

BROAD ARROW GOLDFIELD.

There was considerable excitement during the year owing to the discovery of deep alluvial at the townsite of Broad Arrow, and splendid results were obtained, as stated by the Warden, from the claims known as the Golden Hole, Hands Across the Sea, and the Maltese Cross, and it looked as if the field was to become another Kanowna. Upwards of 1,000 shafts were sunk in a short period, but the leads were very patchy and difficult to follow, and gradually the rush eased off.

The amount of ore treated exceeded the previous year by 12,000 tons, the return of gold being 27,705ozs., compared with 14,168ozs. returned for the previous year; so that the progress of the field shows a distinct advance.

NORTH-EAST COOLGARDIE GOLDFIELD.

As referred to by the Warden in his Report, mining on leases has fallen off considerably, but on the other hand alluvial mining became a most important industry, 70,941ozs. of gold being reported from this source alone (and no doubt a considerable quantity was obtained that was not reported), giving employment to 4,870 men, and at one time the Warden estimated the population to have been, in and around Kanowna, about 12,000. The total output of gold, as shown in export returns, being 125,240ozs. as compared with 32,905ozs. for the previous year.

The completion of the railway to Kanowna has proved of great benefit to the district.

A curious and at the same time interesting table, supplied by the Warden, gives a list of the nuggets found on the field during 1898, together with the names of the finders; the weights of the nuggets ranging from 9ozs. to over 100ozs.

The output of this field will be greatly increased as soon as a method is discovered for profitably treating on a large scale the immense deposits of auriferous pug that are known to exist.

EAST COOLGARDIE GOLDFIELD.

The progress of this great Goldfield, with its magnificent yield of gold, is in itself a standing advertisement of the vast mineral wealth of the Colony; but, as referred to by the Warden in his report, there are three important factors in the development of this field which require attention, viz.:—Abundant water supply and fuel, and extra inducements for settlement in the vicinity of the mines.

There seems no probability of the first being realised until the Coolgardie Water Scheme is accomplished. With regard to the question of fuel, a reduction of railway rates on the carriage of Collie coal should decide the question within a short period.

In respect to land settlement, the Government has offered the inducement of residential lots, which are held on perpetual lease at an annual rental of 10s. In some cases these are not as convenient to the mines as could be desired, as the land for some distance on either side of the more developed mines is held under lease, and therefore not available for sub-division.

The total head of stamps is 323, as against 273 for 1897.

Total yield of gold, as shown in export returns, amounts to 450,312ozs., compared with 300,037ozs. for 1897.

COOLGARDIE GOLDFIELD.

This goldfield, unlike its brilliant neighbour, East Coolgardie, has no phenomenal results to show, but at the same time steady progress has been made in the development of its mines during the year 1898, and the majority of the leases have improved in value as development progressed.

The Coolgardie Mining Exhibition, active preparations for which were carried on during 1898, has since been brought to a close, and one of the finest collections of minerals ever got together was here exhibited.

The total number of stampers was 424, against 292 for 1897.

The output of gold, as per export returns, was 127,227oz., compared with 104,306oz. for 1897.

YILGARN GOLDFIELD.

It is encouraging to think that this field, the discovery of which led later on to the finding of the now famous fields to the East and North-East, is about to enter upon a fresh lease of activity. Areas which were taken up in the past and subsequently abandoned are gradually being re-applied for, and reference to the Warden's Report shows that three 40-head batteries are about to be erected.

There are numerous reefs on this field that would pay to work if a better water supply were obtainable, but no doubt this will be rectified when the Coolgardie Water Supply Scheme is completed.

DUNDAS GOLDFIELD.

The progress of this field has materially advanced during the past year, the total yield of gold as shown in export returns was 32,031ozs., compared with 19,310ozs. for the previous year.

The total value of the machinery is estimated to be £81,784, compared with £65,672 for last year.

Total number of stampers is 188, in place of 119 for 1897.

Of the various mines now turning out gold the Princess Royal holds first place, with a monthly output of over 1,200ozs.

As with the majority of the fields, a certain amount of attention has been turned to alluvial mining, and on what is known as the St. Alban's line of country very fair results seem to have been obtained.

An improvement in the water supply of the field would greatly add to its progress.

NORTHAMPTON AND YANDENOOKA MINING DISTRICTS.

Both these districts come under the administration of the Registrar at Northampton, who reports that the prospects of the districts are good.

The introduction of more capital, however, is required for the development of the mines.

COLLIE MINING DISTRICT.

Very little progress was made in this district until towards the end of the year, when the Government decided to lease what was termed the Government mine. Tenders having been called, that of Mr. H. M. Deakin was accepted, and, as stated by the Registrar, within a month of the 9th of November, the date of his taking possession of the mine, it was pumped dry, a new winding plant installed, and the first skip of coal raised; the work thus vigorously started has been no less energetically continued.

The extension of the railway system to the Collie fields has been fully justified; and events have proved, without a doubt, that the Colony has a most valuable asset in the coal deposits of the Collie mining district, and at the present time the output from the "Wallsend" mine (lately known as the Government mine) alone is 1,500 tons per week.

GREENBUSHES MINING DISTRICT.

Mining in this district was practically stagnant for the greater part of the year, chiefly owing to the low price of tin. A revival however, set in at the close of the year, owing to the rise in price, and this has since led to a rush taking place. Numbers of leases and claims have been taken up, the population at the present time being upward of 1,500, and it is anticipated by the Registrar that at least 300 tons of tin will be raised for the year 1899; 81 tons only being raised during 1898.

The great want of the district appears to be a comprehensive scheme for the conservation of water for mining purposes. When this problem becomes satisfactorily solved, the increase in the quantity of tin raised cannot fail to be very marked.

A local smelting works would also be of great benefit, and save the expense of shipping the ore to Sydney for treatment, which is the course that has to be adopted at the present time.

The natural advantages of the district, situated as it is on the Bunbury and Bridgetown railway, with plenty of timber in its midst, a good annual rainfall, and adjacent to an agricultural district, not to mention a splendid climate, should aid in its prosperity and rapid development.

CONCLUSION.

Having unexpectedly been called upon to frame this Report, I must here express my regret for the delay in its publication, for which, however, as you are aware, Sir, I am not responsible, and trust that you will overlook any omissions that may have occurred owing to the short time at my disposal for its preparation.

You will have observed that in some instances I have referred briefly to matters which have occurred subsequent to the year 1898. This I have thought it necessary to do when important developments have taken place.

In conclusion it is highly satisfactory to know that, with one or two exceptions, every goldfield and mining district in the Colony has shown marked progress in development, and the future promises to yield still more satisfactory results; in fact, it is difficult to estimate the probable yield (say in five years time) of gold and minerals from goldfields and districts already established, apart from the new finds that are brought to light each year.

I have, etc.,

L. L. CROCKETT,
for Under Secretary for Mines.

*Acting Warden's Report on the Kimberley Goldfield for the year 1898.**From the Warden, Kimberley Goldfield, to the Under Secretary for Mines.*

SIR,

I have the honour to forward, for the information of the Hon. the Minister, the following Report on the Kimberley Goldfield.

As stated by wire to you, I have, during the past month, visited the most important parts of the field, and found mining operations in a fairly prosperous condition.

Of the mines, I may mention the Ruby Queen as foremost, from which every indication of permanency is apparent.

The manager is at present raising stone from the 130ft. level, from a reef 4ft. wide, showing gold finely distributed.

400 tons of stone are expected to be raised this season; a return of not less than 15dwts. is assured, and, as wood and water are plentiful, a considerable margin of profit is certain.

This mine has now been worked continuously for twelve years.

There are several other shows in this neighbourhood, including the St. Lawrence, from which at different periods splendid stone has been obtained by several miners. There being too much dead work to be done, these have almost been abandoned.

At the Brockman, the Mount Bradley, good work has been done during the past twelve months. Although returns are poor (about 12dwts.) it is most consistent, and more than pays expenses. The reef is about 7ft. wide, but patchy. The manager informed me that he expects to raise at least 300 tons this season.

At Grant's Creek, as far as reefs are concerned, they are almost at a standstill for the want of a battery. There are fully 300 tons of stone, showing gold, lying at grass; nevertheless, they have dollied patches of rich stone, and get surprisingly good returns.

As regards alluvial, the best workings at present are situated at the Brockman. There are some twenty men getting on an average 2dwts. to 3dwts. per day in shallow ground. I was shown some very fine slugs. They all seem to be well satisfied.

The next best workings are at Dry Creek, with about ten miners working, also getting payable gold. A 13oz. nugget was unearthed at this part of the field a few weeks ago. Since my visit to Grant's Creek, several miners from other fields have found their way back to it, and have expressed their opinions to me that they consider the Kimberley the best alluvial field North of the Murchison. Stragglers are arriving every week, evidently on account of the wet season, gold being more easily obtained than in the dry.

I might say that the past dry season has been a most excessive one, almost every day the thermometer rising from 100° to 110°, and seldom below 70° during the night.

The present wet season is the heaviest since 1886, 10 inches of rain being registered within a week.

Notwithstanding the severity of the climate, from my experience it is the healthiest of the Goldfields of Western Australia.

A great drawback is the excessive price of provisions, carriage being 4d. per lb. from the nearest port; but I think, in the future, this will be greatly overcome by producing our own vegetables and fruit; already cultivation on a small scale is being carried on with great success, the climate being highly suitable for tropical fruits.

As far as alluvial is concerned, the only fresh discovery is at Mount Broome, situated about two hundred miles from this place. It has been well prospected, but nothing phenomenal has been obtained. The workings are confined chiefly in a creek and its inlets, and can only be worked in the dry season, owing to intense heat, fever, etc. A good living can be obtained about six months in the year.

No fresh quartz leases have been applied for. The premier mine of Kimberley, viz., the Ruby Queen, is opening up very satisfactorily. The reef is 6ft. wide, and shows gold freely to the naked eye, but, owing to lack of water, crushing can only be carried on three or four months in the year.

The field, generally, may be said to have deteriorated, owing to such little interest being shown towards this part of the Colony.

D. W. GREEN,
Acting Warden.

Hall's Creek, 20th April, 1899.

*Warden's Report on the Pilbarra Goldfield for the year 1898.**From the Warden, Pilbarra Goldfield, to the Under Secretary for Mines, Perth.*

SIR,

I have the honour to forward, herewith, the following Report on the Pilbarra Goldfield for the year 1898, for the information of the Hon. the Minister. I regret that owing to my leave of absence from the goldfield in the beginning of the year, and pressure of business on my return, the Report has not been prepared by me at an earlier date.

The goldfield is, as it was last year, divided into two districts, viz., Marble Bar and Nullagine.

The Marble Bar district is considerably in advance of the Nullagine in the production of gold, which I account for by the discovery of the Salgash belt of country last year, with its subsequent rich crushings, and also the steady returns from some of the Bamboo Creek mines.

In perusing the statistics accompanying the Report, you will notice that the average yield per ton of ore crushed was 1oz. 7dwts. 6grs., and the average production of gold per head of the mining population, 36½ozs.

These figures are, I think, very satisfactory, and should compare favourably with any goldfield in the Colony.

A serious drawback to mining has been occasioned by the failure of some of the few mining companies on the field and the necessity of others to reconstruct; the cause of this being, in my opinion, the result of not providing adequate working capital. This is particularly noticeable at Bamboo Creek, where the shaft sunk on the Bulletin Proprietary Company's block has been delayed. This shaft was intended to cut the Bulletin reef, and would have gone far towards proving the permanence of the reefs in this locality, or otherwise; a test that has never yet been put to a reef on this field.

The North-West Australian Goldfield, Limited, at Nullagine, are showing their confidence in their conglomerate lodes by supplementing their crushing machinery and laying down tramways, and thus, by working on a large scale, endeavour to decrease expense and make their properties pay.

Altogether, the rich discoveries at the locality now known as Warrawoona, and the acquisition of large areas of ground at Nullagine for the purpose of mining for diamonds, have made the outlook at the end of 1898 much more promising than at the beginning. The erection of a Tremain mill at Yandicoogina, and the provision by the Government of wells between that centre and Warrawoona, have been the means of many good shows being worked.

The same success has attended the sinking of wells at the locality known as the Forty-Mile, situated Eastward of Nullagine. A large number of payable reefs have been found, and are being worked there; also some good patches of alluvial. The small outlay occasioned by these wells has therefore been amply repaid by the opening of a very promising belt of country. Latterly a number of miners are reported to have arrived at Nullagine, having travelled overland from the Southern fields.

Another cause for congratulation is the interest shown by the Government in Port Hedland, the natural port of this field. I am informed the present mail contract by steamer from Fremantle to the Nor'-West ports expires at the end of this year. If in the new contract provision is made for mails being landed at Port Hedland, it will not only give the fields a quicker mail service, but will establish a regular steamer service, which will be of incalculable benefit. The great drawback to this field is its isolation, and consequent high price of provisions. Now, the establishment of a quick and regular steamer service to Port Hedland will do away with this, to a very large extent. Another thing that retards the progress of the field is the scanty population of the right kind—namely, prospectors; and there is no doubt that it affords the greatest opportunities to men of this class. Experience and a little capital are required.

The total population of the field does not exceed 500 persons. The health throughout has been generally good, very few cases indeed having been reported from the Marble Bar hospital.

In concluding my Report for 1898 at such an advanced period of 1899, I feel compelled to draw your attention to the discovery of tin at Brockman's Soak, 12 miles from Marble Bar, and also the discovery of a copper lode at Wyman's Well, about 12 miles South-East of Marble Bar. Provision is being made for crushing at the locality known as the "North Pole," by erection of a Tremain mill, which will probably result in many reefs there being worked.

The pastoral outlook is splendid, good rains having fallen, ensuring pasturage for some time ahead. The losses by flood have been very heavy on some of the stations, but this is fully counterbalanced by the advantages of such an excellent season.

ALEX OSTLUND,
Warden, Pilbarra Goldfields.

Marble Bar, 23rd May, 1899.

GOLD STATISTICS.

TABLE A.

Table showing total Ore crushed and yield of Gold therefrom:—

Marble Bar District	...	4,677 tons	8,125 ozs.
Nullagine District	...	3,033 tons	2,633 ozs.
Total	...	7,710 tons crushed.	10,758 ozs. yielded.

An average of 1oz. 7dwts. 6 grs. per ton.

The alluvial gold can only be estimated. Nullagine is a steady producer in this respect, about 1,000ozs. being obtained there during the year; the rest of the goldfields accounting for about 1,000ozs. more, making a total of 2,000ozs.

TABLE B.

The number of men employed in reefing is	...	...	...	...	275
Do.	do.	in alluvial mining (approximately)	...	...	75
Total					350

Showing an average production of 36½ ozs. per head of the mining population.

TABLE C.

Principal Gold-producing Mines—1898.

Name of Mine.	Locality.	Ore crushed.	Yield.
Klondyke ...	Warrawoona ...	63 tons ...	836 ozs.
North-West Australian G. F. Ltd. ...	Nullagine District ...	710 tons ...	786 ozs. 12 dwts.
Mt. Prophecy and Perseverance ...	Bamboo Creek ...	272 tons ...	728 ozs.

TABLE D.

Mining Revenue, Pilbarra Goldfield—1898.

District.	Lease Rental under Mineral Lands Act.	Receipts from other sources under Mineral Lands Act.	Lease Rental under Gold-fields Act.	Receipts from other sources under Gold-fields Act.	Survey Fees.	Examination Fees.	Exemption Fees.	Receipts from all other sources.	Total.
Marble Bar	£ s. d. ...	£ s. d. 0 10 0	£ s. d. 913 4 0	£ s. d. 478 18 0	£ s. d. 394 8 0	£ s. d. 19 10 0	£ s. d. 212 5 0	£ s. d. 1 18 0	£ s. d. 2,020 13 0
Nullagine	70 0 0	4 15 0	69 14 0	92 11 6	147 2 0	9 10 0	41 4 0	0 11 0	435 7 6
Total ...	70 0 0	5 5 0	982 18 0	571 9 6	541 10 0	29 0 0	253 9 0	2 9 0	2,456 0 6

Total Revenue for 1898, including Survey Fees, £2,456 0s. 6d.
Do. do. exclusive of do. £1,914 10s. 6d.

TABLE E.

The number of Stamper Batteries erected at the end of 1898.

Locality.	No. of Heads of Stamps.	No of Batteries.	Remarks.
Marble Bar ...	1	5	There are in addition three Huntington Mills.
Nullagine ...	* 3	30	* One hung up.
Bamboo Creek ...	3	30	
Warrawoona ...	1	5	And 15 head in course of erection.
Western Shaw ...	* 1	10	* Hung up.
Tambourah Creek ...	1	10	

* NOTE.—In addition to the above, there is one Tremain mill at Yandicoogina, and another in course of erection at the "North Pole."

TABLE F.

*Statistics of Business transacted at Warden's Offices under the
Goldfields Act and Mineral Lands Act.*

Number of Miners' Rights issued	286
Do. Mining Licenses do	8
Do. Business do. do.	21
Do. Powers of Attorney registered	22
Do. Caveats do.	2
Do. Exemptions do.	89
Do. Liens do.	4
Do. Transfers of Leases do.	69
Do. do. other Holdings	25
Do. Plaints filed	22
Do. Applications for Gold Mining Leases	77
Do. do. Mineral Leases	10
Do. do. Quartz Claims	11
Do. do. Prospecting Areas	14
Do. do. Mineral Protection Areas	6
Do. do. Water Rights	3
Do. do. Residence Areas	46
Do. do. Business do.	10
Do. do. Machine Areas	3
Do. do. Garden Areas applied for	8
Do. do. Tailings do. do.	1
Do. do. Stacks of Quartz registered	7
Do. do. No. of Agreements do.	11

Warden's Report on the West Pilbarra Goldfield for the year 1898.

From the Warden, West Pilbarra Goldfield, to the Under Secretary for Mines, Perth.

SIR,

I have the honour to forward, for the information of the Honourable the Minister, the following Report on the West Pilbarra Goldfield for the year ending 31st December, 1898:—

During the past year steady development work has been carried on throughout the field, and a strong effort made to recover itself from the depression consequent upon the unscrupulous actions of "wild-cat" promoters. Very little outside capital has found its way into this part of the Colony, yet exceptional progress has been made towards proving and testing the rich ore-bodies which have been discovered in so many parts of the field. Particular attention has been given to copper, lead, etc., and the results warrant the assertion that there exist beyond doubt immense and valuable deposits of these ores.

Whim Creek is the most important centre of the field. It is a progressive young town, situated about 52 miles East of Roebourne and 12 miles S.S.E. of the port of Balla Balla. It is noted for its extensive copper deposits, which chiefly occur on the Whim Well Freehold (of 100 acres), about half-a-mile from the township. This freehold was first taken up in the year 1882, and was worked intermittently by Mr. Bateman, of Fremantle, until the middle of 1896, when it was purchased by Messrs. F. W. Prell & Co., of Melbourne. As soon as the sale was completed, Messrs. F. W. Prell & Co. sent up Mr. Charles H. Powell to manage the property. Mr. Powell arrived at Whim Creek in August, 1896, with 10 men, and since then has directed operations continuously. During the past year an average of 45 men have been employed developing the property, and preparing a shipment of 2,000 tons of ore as a trial parcel. Mr. Powell's certificate shows an average result of 28 per cent. from samples taken indiscriminately from different parts of the property. These assays have been checked by the Government Assayer, Perth, and also in Melbourne and London. The gold and silver returns are yet to be ascertained.

Besides the freehold, the Whim Well Copper Mine comprises two block leases of 50 and 15 acres respectively, one lease of 20 acres and a well site of five acres, both in the immediate vicinity; also a smelting area of 30 acres, one limestone and three fluxing leases, situated at Balla Balla; in all, a total of two hundred and ninety-five (295) acres.

The total population is estimated at 90 whites and 30 coloured people.

About four miles South of Whim Creek are the Balla Balla and Mons Cupri Copper Mines. They possess an almost unlimited quantity of very fair grade ore.

The Old Field of Egina is still supporting a somewhat variable population of alluvial diggers, and for the past year has averaged approximately 15 men. About 1½ miles West of the Main Camp is situated the Egina Copper Mine, a 20-acre lease. A parcel of 300 tons of ore raised from this mine some two years ago returned a most satisfactory and encouraging yield.

At *Towranna*, which is about 63 miles East from Roebourne, there are three gold-mining leases being worked, namely, the Yellow Aster, the Towranna, and the Towranna Queen. The former is owned by the Consolidated Gold Mines of Western Australia, Limited. A 10-head battery has been erected, and three shafts sunk to the depths of one hundred and twenty (120), sixty (60), and forty (40) feet respectively. A crushing of 76 tons in June last yielded 114ozs. of gold, valued at three pounds sixteen shillings and tenpence (£3 16s. 10d.) per oz.

The Towranna and Towranna Queen, 12 and 5-acre blocks respectively are owned by the Towranna Mines of Western Australia, Limited, a duly incorporated English company, with a nominal capital of £125,000. A considerable amount of development work has been carried out on these leases, and a plentiful supply of fresh water obtainable at a depth of 120 feet. The prospects are very promising. A trial crushing of 72 tons of ore, milled early in the year, returned 114oz., of smelted gold. A 10-head Frazer's and Chalmer's battery has just been erected, with twin 6-ton Cornish boilers; compound condensing engines, 90 horse-power, etc., etc.

At *Hong Kong* mining matters have received considerable impetus of late, several abandoned leases having been again worked, with varying results. The Queen Victoria Gold Mine, a 12-acre lease, is the property of a London syndicate. A thoroughly efficient plant has been erected on this mine, and everything necessary for the economical crushing of the ore raised. Crushing at the Tremain mill is undertaken for the public at the reasonable cost of one pound ten shillings (£1 10s.) per ton. The main shaft on this lease is down to 100ft., at which depth a plentiful supply of fresh water has been struck. About one mile North-West from the Queen Victoria mine is situated the Empress, a 12-acre block, owned by a local syndicate. Three shafts have been sunk to water level, and the owners are raising a crushing of 50 tons of ore, which they intend putting through the Queen Victoria mill.

Pilbarra has supported an average of 30 men during the past year, who appear to have done fairly well by working in the old patches; no fresh finds have been reported, however.

Mallina has not progressed during the past year; in fact all the mines in the neighbourhood have been abandoned, and the Deputy Registrar's office was closed early in the year.

At *Lower Nicol*, some six miles South from Roebourne, is the Carlow Castle copper mine, a 40-acre block, now being worked for a Melbourne syndicate. A considerable sum of money has been expended on this property during the year, and a parcel of 66 tons of ore was shipped to South Australia in November last for treatment, and is expected to yield a very satisfactory return.

Some very rich specimens of quartz showing free gold have been brought into Roebourne from the Nicol, about 10 miles West from here. A little alluvial is also being won there.

There is a plentiful supply of fresh water always obtainable, and feed during the year has been abundant. Despite the excessive heat during the summer, the health enjoyed by miners and prospectors has been wonderfully good.

Some particularly rich finds of copper ore were reported from the Croydon District towards the close of the year, and a good deal of work has been done in that neighbourhood since.

In conclusion, I append an epitome of business done during the year:—

Applications for Gold Mining Leases	...	...	...	...	...	...	...	...	...	2
Do. Mineral Leases	...	...	...	...	...	...	...	...	...	12
Do. Protection Areas	...	...	...	...	...	...	...	...	...	2
Do. Business do.	...	...	...	...	...	...	...	...	...	4
Do. Residence do.	...	...	...	...	...	...	...	...	...	7
Do. Machine do.	...	...	...	...	...	...	...	...	...	Nil
Do. Tailing do.	...	...	...	...	...	...	...	...	...	Nil
Do. Garden do.	...	...	...	...	...	...	...	...	...	Nil
Do. Well Site do.	...	...	...	...	...	...	...	...	...	1
Business Licenses	...	...	...	...	...	...	...	...	...	11
Miners' Rights issued	...	...	...	...	...	...	...	...	...	96
Mining Licenses do.	...	...	...	...	...	...	...	...	...	50
Searches	...	...	...	...	...	...	...	...	...	6
Exemption Applications	...	...	...	...	...	...	...	...	...	41
Transfers executed	...	...	...	...	...	...	...	...	...	12
Powers of Attorney	...	...	...	...	...	...	...	...	...	12
Plaints	...	...	...	...	...	...	...	...	...	3
Voidance of Gold Mining Leases	...	...	...	...	...	...	...	...	...	22
Do. Mineral Leases	...	...	...	...	...	...	...	...	...	2
Gold Mining Leases surrendered	...	...	...	...	...	...	...	...	...	1
Mineral Leases abandoned	...	...	...	...	...	...	...	...	...	2

I have, etc.,

JOHN BROCKMAN,

Warden, West Pilbarra Goldfields.

Roebourne, 13th May, 1899.

*Warden's Report on the Ashburton Goldfield for the year 1898.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to forward, for the information of the Minister, my Report on this Goldfield for the year 1898.

Tamaradgie is distant about 90 miles from Onslow, and about 150 miles from my camp on O'Grady's Creek, Upper Ashburton. It was discovered during the early part of the year under notice, and is locally known as the "Patch." The alluvial gold obtained is of a fine sample; no large pieces so far have been obtained. Water had to be carted from a well nine miles during the dry season, and was retailed to the diggers at 6d. per gallon.

The population is a fluctuating one, the largest number of men working at one time on the Patch being about 25 or 30. I am informed that since the break-up of the drought, the majority have left and proceeded to the various centres on this goldfield. No payable reefs have been discovered, although men are out prospecting the vicinity with this object in view.

Mt. Mortimer is 30 miles West from camp, and about 190 miles from Onslow. The diggings here have been extensively worked for alluvial, and a large amount of gold obtained. At the present a few men are working the alluvial. They have to cart water four miles from a claypan, which will not last more than a few weeks. A well has been sunk at the workings, and a small supply of good water was obtained, but, unfortunately, gave out during the late very severe drought, and has not made again. Some prospectors have informed me that as soon as a water supply is provided, it is their intention to thoroughly prospect the district for reefs and deep leads, and also to work the cement, which is from 8ft. to 12ft. deep, from which large pieces of gold have been obtained.

The Gorge workings are distant about 30 miles South-West from my camp. At this place a lease of six acres was worked by Riesbeck and party. Two shafts were sunk to a depth of about 30 feet each, and prove the reef to be from 18 inches to two feet wide. A large quantity of stone has been raised; but, owing to the absence of machinery on the field and the distance from the Port of Onslow (about 200 miles) the lease had to be abandoned; the stone not being of sufficient grade to pay the cost of carting to Onslow and then shipping to some place to undergo proper treatment. There is no doubt that payable reefs exist in the vicinity. The locality is also favourable for minerals, as a small sample of stone forwarded to the Department for assay gave a good percentage of copper and silver, and from a trace to 13dwts. of gold per ton.

Dead Finish is seven miles West of my camp. The two leases worked by Rundell and party and the Star of the West lease have been abandoned. They were abandoned for the same reason as Riesbeck's lease at the Gorge. At the present time there are 10 men working in the old alluvial gullies. Those with dryblowers are making wages, others only tucker. Water has to be carted seven miles from O'Grady's Creek.

The Soldier's Secret is situated about 32 miles in a Southerly direction from my camp. At the time of my visit there were 42 men working for alluvial in the various gullies and surface patches; they were making from "tucker" to 4dwts. per day. A well was sunk in the bed of the "Secret Creek" during the early period of the field; the supply of fresh water is only sufficient for the present population's domestic requirements. No leases have been applied for in the district, although the country has the appearance of being favourable for payable reefs; large quartz reefs outcrop in numerous places, some of which can be traced for a considerable distance.

Top Camp is about 50 miles in a South-Easterly direction from my camp. Between 20 and 30 diggers are working for alluvial and are obtaining fairly good returns; a number of rich leaders were worked during the early part of the year, but were all abandoned during the late drought. I understand it is the intention to again work them.

Outside Districts.—It affords me pleasure in stating that quite a large number of experienced prospectors well equipped are vigorously prospecting the different belts of auriferous country on the Goldfield, and now that the season is so good, I hope to be in a position to report new finds in the near future. Two different parties informed me they had obtained good prospects in new country, but owing to the late dry season were forced to leave; they have since returned to their different localities. A Protection Area, under the Mineral Lands Act, to prospect for copper has been applied for by Messrs. Rundell and party, and, from accounts, I learn they are well satisfied. The claim is situated about 12 miles North-East of Mount Amy.

Conclusion.—The very severe drought just experienced has greatly retarded the advancement of the Goldfield. During the latter period, flour had to be brought here by the mail. It was almost impossible to obtain provisions unless at great expense.

This goldfield offers good inducement to prospectors and diggers; to the first, in that there are belts of auriferous country practically untouched; to the latter, the numerous old workings provide from a living to good wages, with the chance of obtaining heavy gold.

There is a good supply of assorted provisions on the field.

I have, etc.,

A. PHELPS,

Acting Warden, Ashburton Goldfield.

Mt. Mortimer, 26th May, 1899.

*Acting Warden's Report on the Gascoyne Goldfield for the year 1898.**From the Acting Warden, Gascoyne Goldfield, to the Under Secretary for Mines, Perth.*

SIR,

Bangemall, 20th May, 1899.

For the information of the Honourable the Minister for Mines, I have the honour to report on the Gascoyne Goldfield, as follows:—

That since last year several of the leases then being worked have been abandoned, owing to the fact that there is no way of getting the ore crushed and treated. Many miners come here, and peg out claims, and put what small amount of money they bring with them into the necessary labour, and when their capital is exhausted they must perchance relinquish them. There are at present only two leases being worked, but the two-stamp Tremain battery, erected last year, has been found to be quite inadequate to make any satisfactory return, scarcely one-sixth part of the gold having been saved. Whether this is the fault of the management or of the mill I am unable to say. The mill has now shut down, I believe waiting the arrival of shoes and dies from Fremantle; these ought to be here in a month or two.

There is one prospecting area, some 12 miles from here, being worked, and a few days ago a slug of gold weighing 1oz. 14dwts., together with several ounces of small alluvial gold, were brought in and sold to the licensed dealer. That this is a good prospecting field there is but one opinion, and that it will eventually prove a rich one I have not the slightest doubt. The field is at present very inaccessible, and until the last two months has suffered from a three-years' drought, thus prohibiting any travellers from stopping to prospect. There are now about 20 men in Bangemall, two stores, one butcher's shop, and one public-house, but these rely a good deal for their custom from the outlying stations, who send in for provisions.

The principal work done on the leases has been driving and cross-cutting, there being no machinery available for pumping, and thus getting below water level, which is about 70ft.

Water, of a splendid quality, is plentiful, as also is timber for almost any purpose.

I have, etc.,

JESSE YOUNG.

Warden's Report on the Peak Hill Goldfield for the year 1898.

SIR,

Warden's Office, Peak Hill, 11th March, 1899.

I beg to submit, for the information of the Honourable the Minister, a General Report on this Goldfield for the year 1898.

Owing to my absence from the goldfield at the end of the year, and pressure of work since my return on 3rd March, I have been unable to forward a report at an earlier date.

1. In my 1897 report I stated that, owing to the field being only declared in April of that year, I was unable to make any comparison with regard to its progress. On comparing the returns, however, for 1897 and 1898, it will be seen that considerably increased progress was made during last year, the returns respectively being £1,452 15s. 11d. and £3,738 7s. 3d., being considerably more than doubled in the latter year, even allowing for the extra three months in 1898.

The yield of gold has also doubled in the same time. I have no doubt whatever that, with increased crushing facilities, the yield from this goldfield will bear favourable comparison with any other field in the Colony.

2. There are two principal factors in the apparently slow development of this field; these are:—Want of public crushing power and long and expensive carriage.

The long distance from the seaboard and the capital also militates against the visits of representatives of capital. All this will, however, cure itself in time; and I am sure the day is not far distant when Peak Hill mines will attract as much attention as the best known mines on the Eastern fields do at present.

3. The statistics which I append will furnish information of the progress of the field in a concise form.

4. At what is known as the 2-Mile fresh water has been struck on a lease and a water right, at depths of 140ft. and 110ft. respectively. The Peak Hill Gold Fields, Limited, have also a water shaft about $1\frac{1}{2}$ miles N.E. of Peak Hill, in which there is a present supply of about 12,000 gallons per diem, at a depth of about 180ft.

At the Horseshoe, after considerable delay, good fresh water was obtained in Stink Well at about 110ft. depth. This well is about $2\frac{1}{4}$ miles East from the "Shoe." During January, however, of this year, water has been struck at 180ft., on a water right close to the present settlement.

The question of an ample supply for battery purposes has not yet been solved, but I see no reason to anticipate failure in this respect. It is certain that by going some miles out in a different run of country plenty of water can be obtained.

5. Towards the end of the year that portion of the Horseshoe Road (new) which ran through several leases was cancelled, and a deviation surveyed and cleared. This makes a better road, and obviates the difficulties which were involved in cutting up leases, etc.

6. During September, 1898, the contract for the new Warden's Court and offices was completed, and I entered into possession.

7. I estimate the population (including the Horseshoe) at from 650 to 700 souls.

8. During 1898, 44 town lots were sold by public auction, realising a sum of £2,261.

9. The year 1898 was an exceedingly dry one in these parts, only 1.75 points of rain being recorded. As a consequence, stock suffered considerably, and prospecting was altogether retarded. Owing, I think mainly to the dry state of the country, no new discoveries of any moment have been recorded. As we have since had nice rains, however, I am in hope that prospecting will be taken up again.

10. On October 12th, 1898, the telegraph wire reached Peak Hill, and we were placed in touch with the outside world. The business since done has, I am sure, fully justified the enterprise of the Government in constructing it. In addition to the assistance it will be to mining, it will also be of great benefit to stock owners.

11. I have now briefly touched on the main occurrences of the year, so far as they have come under my cognisance. I look forward to increased activity in a mining way as the field becomes better known and a consequently largely increased gold output.

I have, etc.,

CHAS. U. BAGOT,
Warden, Peak Hill Goldfield.

Statistics of Revenue collected at Warden's Office, Peak Hill, for 1898.

	£	s.	d.
Mining Revenue	1,851	9	0
Land do.	1,583	18	6
Internal do.	249	1	3
Stamps (sales)	58	18	6
	<hr/>		
	£3,738	7	3
	<hr/>		
No. of Leases applied for	...	...	53
Area applied for (acres)	...	...	678
No. of Leases held	...	...	93
Acreage	...	...	961
Miners' Rights issued	...	...	289
Business Licenses issued	...	...	8
No. of Batteries at work	...	...	3
No. of Stamps	...	...	14
Tons of Ore crushed	...	...	4,019
Yield of Gold	...	...	14,575oz. 7dwt.
Yield of Alluvial Gold (impossible to ascertain, but approximately is about)	...	...	1,000oz.
Police Cases dealt with	...	...	115
Warden's Court Cases dealt with	...	...	64
Local " "	...	...	20

Warden's Report on the Murchison Goldfield for the year 1898.

From the Warden, Murchison Goldfield, to the Under Secretary for Mines, Perth.

SIR,

I have the honour to forward, for the information of the Honourable the Minister for Mines, the following general Report on the Goldfield under my charge, for the year ended 31st December, 1898:—

1. As previously, the field was divided into four separate districts, namely, Cue, Day Dawn, Mount Magnet, and Nannine. The district of Day Dawn, however, has now practically merged into that of Cue, the office of the Warden and Mining Registrar at that place having been closed on 31st December last, any business in it being transferred to Cue.

2. The population of the chief town of each district at the end of 1898 was, approximately, as follows:—Cue, 710 males and 290 females; Mount Magnet, 630 males and 200 females; Nannine, 290 males and 45 females, and Day Dawn, 200 males and 68 females. The approximate population of each district at same time was:—Cue, 820 males and 316 females; Mount Magnet, 1,038 males and 280 females; Nannine, 700 males and 70 females; Day Dawn, 406 males and 86 females. The total population of the goldfield, therefore, was approximately 2,964 males and 752 females, being a total of 3,716 persons.

3. The general health prevailing throughout the year was good, and no epidemic existed. The total number of births in the district was 82, and of deaths, 77 (including 25 infants), and 19 marriages were solemnised locally.

4. Though the year 1898 has been one of grave and anxious depression, the work of proving mining properties has proceeded surely, if slowly, to what may be considered as approaching, in the near future, a remunerative stage. Extensive developments have taken place in various directions, and the general outlook may safely be described as hopeful. About 400 feet is, however, the deepest level yet attained, and at this level the reefs appear, as a rule, as strong and as permanent as ever.

5. There are, I regret to say, some exceptions to the general activity and progress observable, and these are chiefly confined to foreign companies, whose chief attribute during the year has been to preserve quite a masterly inactivity, owing to which at least 80 head of stamps around Cue have been kept silent, and the men who would otherwise be employed in connection with them, compelled to go elsewhere.

6. This stoppage of work by companies gave an impetus to prospecting the quartz reefs of the district. The men, being thrown out of work, formed small parties and took up quartz claims, from which they have obtained good returns at the public crushing plants in the district, which have been kept constantly milling.

7. Prospecting for alluvial gold has also been a result of this stoppage of work, and though deep wash has been found in some places, so far it has not proved to be of a payable nature, though hopes are entertained that it may turn out to be so as development proceeds.

8. Table A. shows the amount of revenue actually received at the offices in the district. It does not, of course, include various items of revenue belonging to the field, which were received at the head offices in Perth. Neither does it include customs revenue derived from merchandise imported to the district, nor yet railway or postal receipts:—

TABLE A.

<i>Revenue.</i>				£	s.	d.
Mining Revenue...	...	...	...	8,196	2	2
Land Revenue ...	...	...	...	1,997	1	3
Internal Revenue ...	...	...	...	4,849	1	2
Sales of Internal Revenue Stamps ...	...	...	...	273	19	3
Excise Duty (for three months only) ...	...	...	...	131	4	4
Received on account of Engine-drivers' Certificates ...	...	...	...	120	0	0
Total ...				£15,567	8	2

The total, as shown in the table, represents a small increase (£70) over the total for 1897; but all the heads of revenue show a falling off, except that of land, which has an increase of £1,387, derived chiefly from sales of town lots.

9. Table B shows the gold statistics; being a return of the amount of ore crushed in each district, and yield of gold compiled from leaseholders' quarterly, and machinery area returns:—

TABLE B.
Gold Statistics.

District.	Tons of ore crushed.	Return in ozs.	Average per ton.
Cue ...	32,358	23,621	ozs. dwts. grs. 0 14 14
Day Dawn ...	11,848	13,876	1 3 10
Mt. Magnet ...	21,683	18,320	0 16 22
Nannine ...	25,361	23,207	0 18 7
Total ...	91,250	79,024	0 17 8

It will be seen, by comparing this return with that I furnished in my Report for 1897, that the number of tons crushed in the Nannine district has more than doubled, while the average yield per ton has increased from 12dwts. 23grs. in 1897 to 18dwts. 7grs. in 1898. In the Mount Magnet district also, half as much ore again has been crushed in 1898 over that for 1897, and the average yield per ton there has also increased from 14dwts. 7grs. in 1897 to 16dwts. 22grs. in 1898. The total average yield per ton throughout the goldfield last year, as seen by Table B, was 17dwts. 8grs., a very payable yield anywhere on the Murchison. The total tonnage crushed, as compared with 1897, increased by 13,843 tons, and the total yield of gold increased by 15,963oz.

10. Table C shows the total amount of gold sent away from the district by the various banks, under escort, and how it was derived.

The total sent under escort was 114,183ozs. 9dwt. 4grs., an increase of 16,617ozs. over 1897. This gold was derived as follows:—

TABLE C.

Gold Exported.

	Ounces.
Amount of gold reported at the Warden's Offices by leaseholders and owners of machinery areas, as per Table B...	79,024
Alluvial and doliied gold (computed) ...	2,196
Estimated amount of gold won from quartz claims, protection areas, etc., crushed at batteries on leases, but not reported, say ...	500
Total of gold won on Murchison Goldfield ...	81,720
Amount of gold received by the Cue banks from the Peak Hill and East Murchison Goldfields ...	32,463
Total gold exported in 1898 by the banks ...	114,183

11. Table D gives the average number of men employed on gold-mining leases, etc., during the year. It will be seen by comparison that the average number employed is less by 110 than it was in the year 1897, and as the gold output has increased as shown in Table B, the average return of gold per man employed has largely increased. In 1898 it amounts to 43oz. 14dwt. per man, as against 35oz. 11dwt. 14grs. in 1897, an increase of about 8oz. per man in favour of 1898.

TABLE D.

Average number of miners employed on Gold Mining Leases, as per leaseholders' quarterly returns ...	1,570
Number of miners employed in mining on properties other than Gold Mining Leases, say ...	300
Total number of men employed in mining during 1898 ...	1,870

12. Table E shows the mine in each district of the goldfield on which the most stone was treated during the year, together with the amount of gold obtained from each, the average yield per ton, and the number of men employed:—

TABLE E.

Name of District	Name of Mine.	Tons crushed.	Yield.	Average per ton.	Men employed.
Day Dawn ...	Consolidated Murchison Gold Mining Co.	7,000	oz. 6,027	ozs. dwts. grs. 0 17 5	70
Cue ...	Cue Consolidated Gold Mining Co.	6,003	4,033	0 13 10	51
Mt. Magnet ...	Morning Star ...	10,361	2,725	0 5 6	63
Nannine ...	Star of the East ...	8,492	8,851	1 0 20	60

A feature in Table E is the return from the Star of the East, it being one of the oldest mines with machinery on the field. The good return of over an ounce per ton is the result of vigorous research, and ought to encourage mine owners generally in the development of their properties at deeper levels.

13. Table F shows the number of batteries and stampers erected in each district of the field at the end of the year. The total value of all machinery used in connection with mining, as deduced from the machinery returns furnished by the mining managers, is about £198,125. The Government is erecting two public crushing plants—one at Tuckanarra, in the Nannine district, and one at Lennonville, in the Mount Magnet district. Both these should be ready to commence operations about March, and will no doubt prove a boon to prospectors. The table shows an increase of eight batteries and 85 stampers over the return for 1897.

TABLE F.

Battery Power.

District.	No. of Batteries.	No. of Stampers.
Cue ...	15	185
Day Dawn ...	7	80
Mt. Magnet ...	7	92
Nannine ...	12	133
Total ...	41	490

Other reducing appliances erected.

Cue	...	...	...	...	One cyanide plant and one Otis Mill.
Day Dawn	...	...	...	...	Two cyanide plants.
Mt. Magnet	...	...	...	...	One cyanide plant.
Nannine	...	...	...	...	<i>Nil.</i>

14. Table G gives a summary of work performed at the various offices in the Goldfield during the year. It needs no comment beyond mentioning that it compares favourably with the return I gave for 1897.

TABLE G.

Statistics of Work at Offices.

Number of Gold Mining Leases in force	...	...	...	...	...	380
Area of Gold Mining Leases in acres	...	...	...	...	...	3,755
Number of Gold Mining Leases applied for during year	...	...	...	...	...	136
Do. Gold Mining Leases voluntarily surrendered during year	...	...	...	...	...	56
Do. Gold Mining Leases forfeited on plaints	...	...	...	...	...	42
Do. Gold Mining Leases voided for non-payment of rent	...	...	...	...	...	74
Do. Miners' Rights issued	...	...	...	...	...	1,347
Do. Consolidated Miners' Rights issued	...	...	...	...	...	3
Do. Business Licenses issued	...	...	...	...	...	71
Do. Quartz Claims registered	...	...	...	...	...	75
Do. Alluvial Claims registered	...	...	...	...	...	2
Do. Quartz Protection Areas registered	...	...	...	...	...	29
Do. Alluvial Protection Areas registered	...	...	...	...	...	3
Do. Residence Areas registered	...	...	...	...	...	23
Do. Business Areas registered	...	...	...	...	...	35
Do. Machine Areas registered	...	...	...	...	...	4
Do. Tailings Areas registered	...	...	...	...	...	2
Do. Garden Areas registered	...	...	...	...	...	5
Do. Water Rights registered	...	...	...	...	...	20
Do. Transfers in Gold Mining Leases registered	...	...	...	...	...	324
Do. Transfers, other than Gold Mining Leases, registered	...	...	...	...	...	57
Do. Declarations of loss of Miners' Rights, etc.	...	...	...	...	...	13
Do. Stacks of Quartz, etc., registered	...	...	...	...	...	8
Do. Liens registered	...	...	...	...	...	17
Do. Caveats registered	...	...	...	...	...	56
Do. Agreements registered	...	...	...	...	...	42
Do. Powers of Attorney registered	...	...	...	...	...	48
Do. Injunctions granted by Warden	...	...	...	...	...	7
Do. Searches made	...	...	...	...	...	157
Do. Complaints heard in the Warden's Court	...	...	...	...	...	197
Do. Applications for exemption heard	...	...	...	...	...	417
Do. Applications for exemption granted for want of funds, etc.	...	...	...	...	...	240
Do. Applications for exemption granted for concentration of labour	...	...	...	...	...	151
Do. Applications for exemption refused	...	...	...	...	...	26
Do. Protections granted, for short periods	...	...	...	...	...	229

15. Table H gives a return of business done under The Mineral Lands Act. This is small, this district being practically unworked except as regards gold.

TABLE H.

Mineral Lands Act.

Mining Licenses issued	...	...	...	...	...	3
Quarry Licenses issued	...	...	...	...	...	21
Mineral Leases applied for	...	...	...	...	...	1

16. The only conclusion that can be drawn from the tables which I have given herein is that the Murchison field, in face of difficulties perhaps greater than ever it experienced before, has made a good deal of advance towards showing that it is a field worthy of the confidence of the investing public. As a rule wherever its resources have been sought for on a proper, sensible, and business basis, the field has shown itself worthy of attention, and the day will come, as I believe, when the results obtained will speak aloud proclaiming the district to be one probably second to none in this Colony. I have endeavoured to give such returns and such general information as will show the state of affairs. That state may, I think, be considered a fairly satisfactory one, and I leave, with every confidence, those returns to speak for themselves.

17. In conclusion, sir, I wish to express my warm appreciation of the services rendered to the Department, and to myself, in the discharge of my many official duties, by the various officers stationed on this Goldfield.

I have, etc.,

E. P. DOWLEY,

Warden, Murchison Goldfield.

Warden's Office, Cue, 22nd February, 1899.

Warden's Report on the Yalgoo Goldfield for the year 1898.

To the Under Secretary for Mines, Perth.

SIR,

I have the honour to submit the following General Report on the Yalgoo Goldfield for the year ended the 31st December, 1898, for the information of the Honourable the Minister:—

1. The total revenue received at the Warden's Office for the year amounted to £2,170 14s. 2d., comprising—

	£	s.	d.
* Mines Revenue	1,420	7	0
† Lands Revenue	171	2	0
Internal Revenue	555	2	6
Internal Revenue Stamps Account	24	2	8

* In addition to the above amount several sums of money representing revenue for this field were received at the Mines Department, Perth, for rents of leases, etc. † 7,252,319 acres of Crown lands are leased to graziers on this field, the rents for which are paid to the Treasury, Perth.

2. Statistics under the Goldfields Act.

Number of Gold Mining Leases in force at end of year	68
Number of Gold Mining Leases applied for during year	21
Number of Gold Mining Leases abandoned and forfeited during year	20
Number of Gold Mining Leases voided for non-payment of rent	39
Area of Gold Mining Leases in force at end of year	665 acres.
Miners' Rights issued during year	172
Business Licenses issued during year	13
Reefing Claims in force end of year	10
Protection Areas in force end of year	13
Tunnelling Areas in force end of year	2
Residence and Business Areas in force end of year	148
Machine Areas in force end of year	6
Tailings Areas in force end of year	3
Garden Areas in force end of year	2
Water Right (Wells) Areas in force end of year	4
Transfers registered during year	33
Declaration of Loss (under Regulation 134) registered during year	3
Registration of Stacks during year	2
Liens registered during year	4
Powers of Attorney registered during year	7
Caveats registered during year	3
Agreements registered during year	15
Exemptions granted during year	59
Exemptions (granted for concentration of labour)	49

Business done under "The Mineral Lands Act, 1892":—

Mineral Leases applied for during year	3
Area of Leases applied for during year	120 acres.
Protection Areas applied for during year	1
Mining Licenses issued during year	17
Quarry Licenses issued during year	5
Transfers registered during year	4
Exemptions granted during year	2
No. of Licenses and Transfers issued under the Goldfields Licensing Act	36

3. The following Return shows the Mining Machinery now on the Field:—

	Batteries.	Stamps.	
Yalgoo	2	15	
Yalgoo	1	5	The Unit Public Battery
Noongal	2	15	
Gullewa	1	10	
Gullewa	1	3	Prospecting Plant
Field's Find	1	20	
Rothesay	1	20	
Nyowenda	1	2	Prospecting Plant.
Nangarrong Hills	1	3	do. do.
Total	11	93	

In addition to the above, three Tremain mills are in course of erection at Nangarrong Hills, and the erection of an extensive cyanide plant at the Emerald Reward Mine, Yalgoo, has just been completed.

Ten steam-winding and pumping plants were erected at the end of the year.

4. *Gold Output.*—The output of gold for the year was very small, as, for the greater part of the year no batteries were working. The batteries of the Emerald Reward Mine, the Gullewa Gold Mines, the Victorian United, the May Queen, and the Gullewa Queen were hung up owing to the reconstruction of their respective companies. The two 20-head batteries at Field's Find and Rothesay were not completed, and did not commence crushing operations until the end of the year. The public battery at Yalgoo was not completed at the end of the year. As there are now nearly 100 head of stamps in working order on the field, the mining industry has greatly revived during the past few months, and a great deal of legitimate development work is being carried out at the various mining centres.

The following return, compiled from the leaseholders' quarterly returns, shows the quantity of ore crushed and the yield of gold:—

Ore Crushed.	Gold Yield.
4,369 tons ...	... 3,279ozs.

In addition to the above, the gold obtained by dollying stone, and which was not reported officially to this office, would bring the gold yield to considerably over 4,000ozs. Several small patches of alluvial have been worked during the year at Pingalling and Nyowenda.

5. *Population.*—The approximate population of the field at the end of the year was 1,403, viz., males 1,072 and females 331.

6. *Rainfall.*—The rainfall registered at Yalgoo for the year was 8.25 points. This is below the usual yearly fall. The country is very much in need of rain now, as the stock are suffering from the effects of an unusually dry season.

General Remarks.—Mining business has been very dull during the year, but within the past few months it has brightened up considerably. The erection of a public crushing plant six miles North of the town of Yalgoo by the Government has caused a number of mines in the neighbourhood of the town to be taken up. The majority of these are held by working miners, who have already raised large quantities of ore for treatment at the public battery. The erection of this battery has supplied a long-felt want here, as the miners and prospectors in the locality will now be able to have their ore crushed at a cheap rate. Very nice looking alluvial wash has been struck in the water shaft at the public battery, at a depth of about 80ft. It has been examined by a number of experts, who speak very highly of it. It carries a little gold, but at present is not payable. Probably if the wash was followed down to the gutter payable gold would be found.

The cyanide plant on the Emerald Reward Mine (which adjoins the town) is now operating on their tailings. Very little development work has been done on this mine up to the present, but I understand that arrangements have now been made for opening up the mine at a depth.

Prosperous little townsites are growing up at the centres of Field's Find and Rothesay, where extensive mining operations are being carried on, principally under the auspices of the Field's Find Gold Mines, Limited, and Woodley's Reward Gold Mines, Limited. Both of these companies have erected extensive mining machinery on their properties, including 20-head stamper batteries, the plant of the Woodley's Reward Mine at Rothesay being one of the most complete in the Colony.

A number of leases have been taken up at Nangarrong Hills (near Yuin), about 50 miles North-West of the town of Yalgoo. A small prospecting 3-head battery has been crushing parcels of ore here for some time, and the results have been very satisfactory. Three Tremain mills are now in course of erection at this centre, and crushing operations should commence shortly.

Mining matters have been very quiet during the year at the centres of Gullewa, Noongal, Carlaminda, Wadgingarra, Pingalling, and Nyowenda. Nearly all of the mines at these places are held by working miners who have not the means of procuring crushing appliances. The public battery, which has just been erected, will serve the miners of Carlaminda, Noongal, and Wadgingarra.

The general health of the field has been excellent. An epidemic of measles and influenza broke out at the end of the winter, but was not very severe and soon passed away. Enteric fever, which proved so fatal to human life in the early days of the field, did not trouble us during the past year.

Thirteen births and 13 deaths were registered at Yalgoo. No fatal accidents occurred at the mines during the year.

Fifty-eight children were on the roll of the public school at the close of the year.

Good roads have been opened up, connecting all of the outer centres, both mining and pastoral, with Yalgoo, and the water supply is good.

I have, etc.,

P. L. GIBBONS,

Warden.

Warden's Office, Yalgoo Goldfields,
24th February, 1899.

*Warden's Report on the East Murchison Goldfield for the year 1898.**From the Warden, East Murchison Goldfield, to the Under Secretary for Mines.*

SIR,

Lawlers, 15th February, 1899.

I have the honour to forward herewith, for the information of the Honourable the Minister, my Report for the year 1898 on the East Murchison Goldfield.

During the year under review, although everything seems very quiet and the amount of new business done through this office is not quite as much as I would wish to have seen, still I am pleased to be able to report a steady and increasing progress. New machinery has been erected in several different centres and the gold output has increased over 75 per cent. on that of 1897, and each quarter the returns show a steady continued increase.

Many leases that were taken up in the early days—in many instances for speculative purposes—have been abandoned or forfeited for non-payment of rents; but, although there are fewer leases showing on our books than for last year, there is more *bona fide* work being done, and taken altogether the state of the field is very satisfactory, and would be more so if there were more means for the prospectors to get their stone crushed by public batteries or otherwise.

During the year there have been no new finds of any great importance. There was a rush to the New England country, but the greater number returned as fast as they went. Several parties have been prospecting for deep alluvial in different parts of the field, but so far without success; although at Lake Darlôt very promising water-worn wash was discovered at a depth of 60ft., after having passed through about 20ft. of solid country that had to be blasted. This shows that there is deep alluvial, and probably with more prospecting gold will be found in the vicinity.

Fifty-one new leases have been applied for and 82 have been abandoned or forfeited. Thirty-seven protection areas and quartz claims have been registered and 17 abandoned.

Two 10-head batteries have been erected at Lake Way during the year, one Tremain mill at Lawlers, one at Darlôt, one 10-head mill at Wilson's Creek, rock drills and air compressors and an electric light plant at the Great Eastern Mine, Lawlers, and several pumping plants have been or are in course of erection in various parts of the field. Substantial new brick buildings have been erected by the Government at Lawlers, for Warden's Court and offices, police quarters, and lock-up, etc.

The gold output for the year is as follows:—From battery treatment, 31,958 tons for 35,507ozs.; average 1oz. 1dwt. 18grs. per ton; dollied, 1,047ozs.; alluvial 947; making a total of 37,501ozs., which, at the lowest value, viz., £3 15s per ounce, is valued at £139,878. This is very satisfactory, considering the small population and the small amount of crushing power available to the public, as most of the new machinery has been erected in the latter half of the year. For 1897 the output was 20,786ozs. This shows a good increase for the year under review, and I anticipate a steady continuing increase for the coming year.

Cartage by teams from Mount Magnet to Lawlers is £12 per ton, and by camels from £8 to £9. Passenger fares by mail coach from Menzies, £4; and from Magnet, £5. The health of the population has been excellent. The weather exceedingly dry, only 3.94 inches of rain having fallen for the twelve months, and this on forty days; so it was hardly perceptible, and consequently the country is very dry. In the face of this small rainfall the town has been well supplied with fresh vegetables all the year round, which are grown in the garden of F. and A. Homann, at Lawlers. This garden is watered by the surplus water from the Great Eastern Mine, and from a well with a windmill.

This shows what the interior of the country will do with water, for within 100 yards of these mines the country is a veritable desert, except after heavy rain, which unfortunately seldom falls.

This being my first annual report to the present Minister, Hon. H. B. Lefroy, I and the other officers on this field take this opportunity of offering our congratulations to him on his appointment, and we hope that he will see a steady progress of this field for the coming year, and that he will find his officers careful and diligent in their work and loyal to their Chief.

A. G. CLIFTON,

Warden, East Murchison Goldfield.

*Warden's Report on the Mount Margaret Goldfields for the year 1898.**The Under Secretary for Mines.*

SIR,

I have the honour to submit, for the information of the Minister, the following Report on the Mount Margaret Goldfield for the year 1898. This field was, as you are aware, formerly a portion of the North Coolgardie Goldfield, but was cut off from it and declared a separate field on 1st April, 1897, and was then divided into two districts, that of Mount Malcolm comprising an area of 2,516 square miles, and that of Mount Margaret with an area of 17,150 square miles. The latter district was, on 24th December 1897, increased to an area of 39,638 square miles by the inclusion of a portion of the East Murchison Goldfield within its boundaries. This field, therefore, is now, next to Kimberley, the largest in the Colony.

For the purpose of my report I shall follow the system I adopted last year, and treat each district separately as regards its development, progress, and future prospects.

MOUNT MALCOLM DISTRICT.

The great progress which this district has made during the past year, when we take into consideration the many drawbacks and disadvantages under which it, even at present, labours, cannot but be considered as being, not only eminently satisfactory in every way, but really wonderful. That we possess large ore bodies throughout this district awaiting only capital and enterprise to open out and develop them into payable mining properties, is a fact altogether beyond dispute. A good many of them are low grade, but are of sufficient size to pay handsome profits when more economic conditions obtain. A good deal of new ground has been taken up, and is being, at the present time, most vigorously opened out by the holders, in many instances prospectors with limited means. The contribution to the gold output of this district from public crushings is a good sign, and proves that a more healthy condition of mining now prevails, and that men, at the present time, take up leases with a *bona fide* intention of proving their value, and not, as was formerly the rule, for speculative purposes only. In fact, the most pleasing feature which has come under my notice during the past year, and one which must be a source of much satisfaction and gratification to everyone, is the fact that, everywhere throughout the district, the prospectors, as a general rule, have settled down to honest and *bona fide* work, and have shown a genuine desire to thoroughly explore their leases as far as they are able. Very many of them have been enabled to hang on to their leases, owing to the fact that they have been able to get crushings put through at various batteries at a much less cost than was the case last year. Many, on the other hand, however, hold leases, the ore bodies in which, though large, are too low grade to assist in their own development by returns from crushings at public batteries, as the charges for carting and crushing would run away with the margin of profit which they would be if treated by a battery on the ground. These men are considerably handicapped, but they are manfully sticking to their leases, and seem determined to prove them either payable or otherwise.

For full particulars of leases and other holdings in this district, the number of miners employed on leases, and the number of miners' rights and business licenses issued during 1898, and showing a comparison with last year, see Schedule A. (r).

This district has had, comparatively speaking, very little capital expended in the development of its valuable ore bodies, and the high opinion in which it is now held, both in London and elsewhere, is due to the fact that it has absolutely *crushed* itself into notice. The machinery erected on some of its greatest gold-producing mines was paid for out of crushings taken from the mines themselves.

At the end of 1897 there were 80 stampers in this district, and one Tremain Mill; now there are 128 stampers, one Huntington Mill, and one Tremain Mill erected on 13 mines, and either crushing for themselves or the public. Besides these, there are an additional 5-head lying at the "North Star," which will be erected as soon as the developments justify it.

The Sons of Gwalia has ordered a new 50-head battery of 950-lb. stampers, with a cyanide plant, air compressors, and rock drills, which should all be at work in a few months' time. This mine should then turn out 8,000 ounces per month.

The Leonora Gold Blocks, one of our most promising mines, has also ordered a 20-head battery, and several other leases will, no doubt, be sufficiently developed to warrant the erection of crushing machinery upon them during the next year.

The Mount Malcolm Proprietary will have the electric light installed, and air compressors and a cyanide plant at work in a short time. It has now 30 stampers working.

For full particulars *re* batteries, see Schedule B.

The Government public battery, which has been erected on the old Johannesburg lease, near Leonora, will, with a low charge for crushing of, say, not more than 15s. per ton, enable prospectors to work many small reefs, which are not sufficiently large to be ever of any value to a company. It will assist materially in demonstrating the value of larger reefs and lead formations, many of which are now being opened out in its vicinity, and will, at the same time, in many instances, enable the leaseholders to make the leases themselves contribute to some extent towards their own development. This battery will prove of incalculable benefit to the prospectors around Leonora.

The gold output from crushings in this district for 1898 amounts to 41,725ozs. 11dwts. 8grs. from 32,916 tons 17cwt., and, excluding the specimen crushings, averages 1oz. 6dwts. per ton. Besides this 853ozs. 10dwts. 14grs. of alluvial gold were lodged in the various banks, making a total altogether 42,579ozs. 1dwt. 22grs., which is an increase over last year of 21,610ozs. 14dwts. The chief townsites in this district are Leonora, with a population of 175 persons, and Malcolm, with a population of 173. The other declared townsites are Kurrajong and Murrin Murrin; the former has a population of 28 persons and the latter of 9.

At Malcolm, the chief town of the district, are situated the Warden's Offices. These are large and very conveniently arranged, and were finished during November. There are in the town a post and telegraph office, with a money order office and savings bank attached, four hotels, two banks (the Western Australian and the National), and a large and comfortable hospital.

Leonora, 12 miles West from Malcolm, gives every promise of becoming, in the near future, the largest and most important townsite in the district. It is the centre of a great number of leases, the majority of which give at present every indication of becoming valuable mining properties. In this town there are post and telegraph offices, with savings bank and money order office attached, two banks (the Western Australian and the National), a mechanics' institute, a private hospital, three hotels, and a good many shops of various kinds.

The Sons of Gwalia is distant by road from Leonora about $2\frac{1}{2}$ miles. On this mine and in the town there are fully 40 children, 20 or more of whom are old enough to attend school.

The principal mining centres of this district are Malcolm, Leonora, Diorite King, Bummer's Creek, and Murrin Murrin.

MALCOLM.

The principal mines around Malcolm are:—

The North Star, situated half-a-mile West from the town. This mine has been under exemption during a great portion of the year; obtained to enable fresh capital to be raised. The reef is rather thrown about at the 200ft. level, and it is, therefore, the intention of the management to sink to 400ft., and then crosscut. The output from this mine for 1897 was 3,494oz. 1dwt. 12gr. from 3,435 tons 15cwt., averaging 1oz. and 9grs. The output for 1898 was 1,197ozs. 0dwt. 18grs. from 1,144 tons, averaging 1oz. 0dwt. 22grs. The mill, a 10-head "Fraser & Chalmers," did a lot of crushing for the public while the lease was under exemption, and will continue to do so until the mine has been more fully developed. An extra 5-head, which is now lying on the ground, will, in the event of the developments proving satisfactory, then be erected. A rock breaker and automatic feeders are attached to the battery. Two Berdan Pans are also worked in connection with it. The water in this mine is fresh, and there is abundance of it.

The Richmond Gem, situated three-quarters of a mile South from Malcolm, is now opening out very satisfactorily, and has at present in its new underlay main shaft, at 100ft., a very fine reef, about 2ft. in width, and showing gold freely. The scarcity of water, which I mentioned in my last report as being a great handicap, has not, as yet, been overcome; but, as the mine has not yet been opened up below the 100ft. level, there is every reason to believe that, as depth is attained, abundance of water will be obtained for all purposes. The water is fresh.

The machinery on this mine consists of a 10-head Phoenix battery, Cornish pump, and winding engine, driven from a 6 x 24 Cornish boiler. The country rock is hard diorite. The output for 1898 was 1,286oz. 5dwts. 7grs., from 1,079 tons, averaging 1oz. 3dwts. 20grs.

The Dover Castle, half-a-mile North from Malcolm; the *Flying Pig* and *The Deerah*, 12 miles North; and the *East Lynne*, 20 miles North-East, are still in the hands of the prospectors, and, consequently, development work on them is slow; but they are promising properties, and, in time, should prove payable mines.

LEONORA.

The Sons of Gwalia Mine.—This property is situated about two miles South-East of Leonora Township and 64 miles North of Menzies, the country being undulating hills, which extend for several miles in a Northerly and Southerly direction. The property consists of the following leases:—

Sons of Gwalia, No. 190c, 24 acres; Sons of Gwalia North, No. 207c, 24 acres; Sons of Gwalia West, No. 352c, 24 acres; Sons of Gwalia West Extended, No. 446c, 24 acres; Sons of Gwalia East, No. 353c, 24 acres; Sons of Gwalia South, No. 447c, 24 acres—total, 168 acres. There are also seven leases belonging to the London and W.A. Exploration Co., Limited—altogether 168 acres, which are at present held by the Sons of Gwalia, Limited.

On all of the leases reefs are seen outcropping in places, and some of them look very promising.

The principal work done is on the two first-mentioned leases.

The composition of the main lode is chiefly of a decomposed slate formation, very much stained with iron, manganese, etc., with strong veins of quartz running through it. The gold is very finely divided, and well distributed in the ore. From the top to the bottom of the mine, a depth of 280ft., the ore is oxidised, and might be termed free milling; but from this point downwards, it is only reasonable to expect sulphides, which will no doubt be very rich in gold. I have seen some splendid stone of this class of ore which has recently been struck in the bottom level. The lode throughout the mine varies in width, in some places being as much as 30ft. wide, but the average width of the best ore I presume would be about 7ft.

The total amount of sinking throughout the mine is 2,701 feet; driving, 2,584 feet; cross-cutting, 2,423 feet. There are fully 40,000 tons of good milling ore now opened up, besides an immense quantity of low grade ore, which will pay well with a cheaper method of treatment later on.

This mine, last year, turned out 15,816ozs. 19dwts. 19grs. from 14,495 tons, averaging 1oz. 1dwt. 19grs. per ton, and since its inception has crushed 19,187 tons of ore for a yield of 22,708ozs. 13dwts. 19grs., valued at £83,980 7s. 4d., and large profits have been made over working expenses. There is about 19,000 tons of slimes and sands on the surface, which is awaiting treatment by cyanide, and I learn that a plant of this kind is to be put up shortly.

The mine is equipped with a 10-head battery, but I understand a 50-head mill is to be erected shortly. A very powerful winding engine is to be erected on a new main shaft, which is intended to be sunk on the dip of the lode. The mine makes a considerable amount of water; there is plenty for all purposes, and a large quantity is going to waste.

This company, like others in this district, is looking forward to the railway coming through, so as to facilitate mining by having cheaper freight, and to be able to use our Colonial timber for mining, instead of sending to other countries for it, as they are doing at present. I do not see why the mines cannot be supplied with our own timber cheaper than they can get it from America, and it is more suitable timber for underground work; of course it is the heavy freight that kills the market. I believe in encouraging home industry, and the sooner the railway is through to these parts the better for all of us. It will not only benefit the mines, but it will promote the timber industry also.

In conclusion, I would mention that the Sons of Gwalia is the best mine in this district, and when the new plant is erected and in full swing, the management expect to return something like 8,000ozs. of gold per month.

One hundred and fifty (150) men are employed on this mine.

The Star of Gwalia adjoins the Sons of Gwalia on the South, and comprises four leases, with an area of 96 acres. At 45ft. (water level), the lode is of great width, but is very low grade. A winding plant has been erected, and the main shaft, a vertical one, has been sunk to a depth of 160ft.; and a crosscut to intersect the lode is being put in at 150ft., and the value of the ore at this depth, it is to be hoped, will prove payable. There is a very great inflow of water, which necessitates continuous baling.

The Prince of Gwalia adjoins the Star of Gwalia on the South, and consists of seven leases, with an area of 168 acres. The ore matter in this property is, so far, higher grade than that on the Star of Gwalia, and is also a good width, and similar in character to that in the Sons of Gwalia and Star of Gwalia. Development work is also being pushed forward on these leases, and the results will demonstrate, in a great measure, the value of the lodes running through the many leases which have been taken up to the South.

Leonora Gold Blocks.—This mine comes next in importance to the Sons of Gwalia, and is situated about four miles North-North-West from Leonora. This property consists of six leases, with an area of 132 acres, and has several good reefs running through it; but the great majority of the development work has been confined to one only. The others will probably be prospected at a depth by means of crosscuts from the present workings. The deepest level at present is 80ft. on the underlay, which is water level. Here the reef, has been exposed for several hundred feet, and averages in width about $2\frac{1}{2}$ ft. The vein is composed of a grey, kindly-looking quartz, showing blue and green carbonate of copper stains, and is very pretty. The main underlay shaft is now down to a depth of 100ft., and the reef at the bottom is fully 4ft. in width, and is of exactly similar character to that above. The water is perfectly fresh, and is making at the rate of 15,000 gallons in the 24 hours. A small winding winch has been erected and is now being used. A 20-head battery has been ordered, and will be at work in a few months time. In the meanwhile the management has rented the Trump battery of five stampers for three months, one mile away, and it is the intention to cart the ore to it and to keep it running three shifts. The crushings to date from this mine have been exceedingly good. During 1897, 154 tons were crushed for a return of 847ozs., averaging 5ozs. 10dwts.; and during 1898, 1,930ozs. 18dwts. 13grs. were obtained from 517 tons of ore, an average of 3ozs. 14dwts. 16grs. per ton. The opening out of this mine is now being vigorously prosecuted in order to get an ore reserve well ahead of the 20 stampers by the time they are ready to start.

There are about 30 men at present employed.

There are also a great number of other properties in this centre which are opening up very satisfactorily, and which, from present indications, give every promise of becoming payable concerns by-and-by—notably, the Mount George leases, the Forrest, the Trump, the Great Boston, and the Great Gwalia, and many others; all situated within a radius of five miles from Leonora. The Mount George has now a 10-head battery, the erection of which has just been completed; and the Trump has a 5-head, which is at present being rented by the Gold Blocks, while further development work is being done on the Trump.

DIORITE KING.

There are several very promising properties in the vicinity of the Diorite King township. Those upon which the most development work has been done are:—

The Diorite King, situated about three miles North-West from the township, is owned by the Diorite King Gold Mining Company, Limited. This mine has a quartz reef running through it, which, at 75ft. averages about 18in. in width; it is very rich but the chutes are short. The country is hard diorite and very costly to work. Very little development work has been done lately, as the company has had to go in for reconstruction. Three of Ingersoll & Sergeant's rock drills are in use, and a 5-head battery was erected during 1897 on the plain two miles away, where the company has a water shaft, and the ore is carted to it on camels. The ore, at 75ft., contains a high percentage of sulphides, and the tailings assay very high. The crushings for 1897 were 950ozs. 5dwts. 16grs. from 325 tons 4cwt., averaging 2ozs. 18dwt. 4grs.; and for 1898, 831ozs. 9dwts. 1gr. from 289 tons, averaging 2ozs. 17dwts. 13grs.

The Vice Regent adjoins the Diorite King on the South, and has what is believed to be a continuation of its reef running through it, but the development work has been confined to an altogether different reef. Very little development work has been done on this property this year, as the company to whom it belongs have expended all their capital, and are now endeavouring to raise more. It is then their intention to erect a battery, if it can possibly be managed. This property promises well, and a considerable amount of work has been done on it. The reef has been opened out at 100ft. for a distance

of nearly 200ft., and averages quite 3ft. in width. At 150ft. it has been exposed for some length, and averages about the same. It is a hard brown quartz, and the country rock is diorite; but, though hard, is less costly to work than that on the Diorite King.

This property consists of six leases, with an area of 72 acres.

The King of the Hills, situated $4\frac{1}{2}$ miles North-East from Diorite King township, consists of four leases with an area of 78 acres. Three parallel reefs run through these leases. Each is composed of a white laminated quartz, slightly mineralised, averaging in width about 3ft., and, from careful tests made recently, is calculated to give an average battery extraction of 15dwts. The assays run from 5dwts. to 2oz. The country is, so far, a hornblende schist.

Several shafts have been sunk to water level, a depth of 60ft., and something over 500ft. of driving has been done on the different veins. A main shaft and three others have just been commenced, and are to be put down to 100ft. at once, in order to have the mine opened as expeditiously as possible, to be ready for a 20-head battery which has been ordered from the Union Ironworks, San Francisco, and which, it is expected, will be ready for work in nine months time. A hoisting plant will be on the ground almost immediately. This property has been purchased by the Harquahala Gold Mining Co. Though there is no running water, as the Indian name "Harquahala" would suggest, still an abundant supply of fresh water is obtainable by sinking. A good deal of specimen stone was obtained by the prospectors during the year, the crushing from which gave a return of 394ozs. 11dwts. from 1 ton 14cwt.

The Mount Stirling leases and the *Blue Jacket*, situated near Mt. Stirling, and about six and a-half miles North from Diorite King township, have been opening out very well, and should become good properties.

BUMMER'S CREEK.

Webster's Find, Limited, is situated on Bummer's Creek, about 12 miles North-East from Malcolm. It comprises an area of 72 acres in four leases. The reef is a white laminated quartz, carrying very little minerals, and is a good free milling stone. A main shaft has been sunk on the dip of the vein for a distance of 318ft., being a vertical depth of about 146ft. A level has been driven on the reef at 100ft. for a distance of 130ft. North from the main shaft. Here the reef is, on an average, 5ft. wide, but the stone only mills 7dwts. At 200ft. another level has been opened up for a distance of 113ft. North and 165ft. South from main shaft. The reef here averages in width 2ft., and gives a battery extraction of from 10 to 15dwts. At 300ft., 59ft. of driving has been done to the North and 60ft. to the South. At this level the reef averages from 1ft. to 4ft. in width, and gives a battery return of 2oz.

A good supply of potable water has been obtained; 15,000 gallons a day is being drawn out of the mine.

The machinery consists of a Thompson's 10-head battery, two Berdan pans, one Wheeler's pan, and a Blake's pump, capable of throwing 4,000 gallons an hour. These are driven from a Cornish boiler. The winding plant is driven from a vertical 12 h.p. boiler. The country rock is decomposed diorite.

The Australia United is situated 25 miles East-North-East from Malcolm, on Bummer's Creek.

A lot of development work has been done on this mine during the year; in all 1,081ft. of driving and 316ft. of sinking. The reef was intersected at 280ft. (vertical), and a level opened out for a distance of 129ft. The reef here carries a high percentage of minerals, and is worth only about 10dwts. Driving is being continued to pick up the rich chute, which is being worked on the upper levels.

The vein is a clean grey quartz, going down between good walls. The country rock is diorite. Besides the main shaft, four others have been sunk on the underlay of the reef to depths of 141ft., 134ft., 113ft., and 50ft. respectively. The main shaft, which is a vertical one, has been put down to a depth of 290ft., from which levels have been driven at 50ft. for a distance of 75ft.; at 92ft. for a distance of 439ft.; at 132ft. for 899ft.; at 180ft. for 126ft.; and at 280ft. for 129ft.; only those at 132ft., 180ft., and 280ft. are now being used; and these are called respectively the Nos. 1, 2, and 3 levels.

From No. 1 level a winze has been sunk for 61ft., and is in very good ore. From the different levels 235ft. of rising have been done, and also 226ft. of cross-cutting.

The output from this mine for 1898 was 5,577ozs. 23grs. from 2,505 tons; averaging 2ozs. 4dwts. 12grs.

The mine is equipped with a 10-head Austral Otis battery, a very good winding plant, Cornish pump, 1 Berdan pan, and 2 12ft. Cornish boilers, and is owned by the Australia United Mining Company, Limited. Water is scarce, and the battery consequently can only run about ten hours each day. Several dividends have been paid.

The *Possible* and *Lady Ivy*, situated about two miles North-West from the Australia United, and the *Imperial Reward*, half a-mile West, are properties well worth the expenditure of a certain amount of money in exploiting.

MURRIN MURRIN.

The Mount Malcolm Proprietary Gold Mine, Limited.—This mine is situated at Murrin Murrin, about 20 miles East of Mount Malcolm, and is one of the biggest in the district. The group of leases comprising this holding contains 190 acres. There are several quartz reefs on the property, one of which has been opened, by numerous surface workings, for a length of about 4,000ft., and, near the centre of the property, has been developed to a considerable extent.

Nearly all the shafts are sunk on the underlay of the reef. The first level (100ft.) is driven for a length of 600ft. About 6,000 tons of stone have been stoped above this level, and the mill yield is about 19dwts. per ton. A second level, No. 2, is driven at 160ft., just above the water level of the country. This No. 2 level is now opened along the reef for a distance of about 1,200ft.

The reef has a bearing North-West by West, and underlays to the South-East at an angle of 54° . Though continuous, the reef varies considerably in size, ranging from 2ft. to 33ft. in thickness, and has a value of from 8dwts. to 3oz. per ton. The encasing rocks are quartz diabase highly altered and weathered. To a depth of 260ft. below this the rocks are unaltered, and the diabase becomes compact, having the appearance of a banded crystalline slate. From 160ft. to 260ft. the country carries a considerable quantity of water, which is somewhat salt, carrying about $\frac{1}{2}$ per cent. of solid matter (mostly sodium chloride and magnesian and calcium sulphates). In the weathering of the surface rocks to a depth of 260ft. soft greasy heads are formed, which require careful timbering in order to secure the workings.

The reef exhibits some unusual features in the shape of large legs of stone, which branch out from either foot or hanging wall, sometimes lying flat for a considerable distance, and generally carrying payable stone; in several places these flat legs of stone are very much distorted, and evidence a folding movement in the encasing rocks. The reef shows decided improvement, both in size and value, as depth is attained. At present there are 40,000 tons of ore blocked out ready for stoping.

The following is an epitome of the work done during the year 1898, when a 10-stamp mill was in operation:—

Crushed 6,631 tons of stone, yielding, by battery, 6,343 ozs. gold; average value of ore milled was 28 dwts. gold. By battery amalgamation there was an extraction of 19 dwts. 3 grs. per ton, and tailings have an average value of 9 dwts. Average value of gold, £3 16s. $6\frac{1}{2}$ d. per ounce. The stone milled, by amalgamation, £3 13s. $2\frac{3}{4}$ d. per ton. The gross output for the year was £24,279 14s. 6d. Cost of mining 16s. $1\frac{1}{2}$ d. per ton, including charge of 3s. per ton redemption account. Cost of milling 12s. $2\frac{1}{2}$ d. per ton. The realisation on gold, which includes escort, insurance, freight, bank commission, mint charges, etc., costs 2s. $5\frac{1}{4}$ d. per ton.

The timber supplies in the vicinity of the mine are becoming depleted, and the owners are looking anxiously forward to the extension of the railway Northward from Menzies. It is also expected that the opening of the Perth Mint will afford a saving of 1s. per ton on the realisation of gold account.

The property is now equipped with 30 head of stamps, air compressor, winding and pumping plants, and employs about 100 hands. A large steel cyanide plant, with a capacity of 100 tons per day, is also in course of erection.

The work at this mine is interesting as showing that, on a production by battery of £3 13s. $2\frac{3}{4}$ d. per ton, the work, with a 10-stamp mill, for the twelve months shows a profit of £2 2s. $5\frac{1}{2}$ d. per ton.

The *Victoria*, $1\frac{1}{2}$ miles East-South-East, and the *Umpire*, 3 miles South from Murrin Murrin townsite, are still in the hands of the prospectors. They are both promising properties.

MOUNT MARGARET DISTRICT.

The mining developments which have taken place in this district during the past year have been, on the whole, satisfactory, and have, to a great extent, justified my opinion, expressed in my report last year, as regards the value of its ore bodies, and my confidence in its future prospects as an important and thriving mining centre. The progress and development of this portion of the Mount Margaret Goldfield have been considerably retarded through the unscrupulous actions of "wild cat" promoters and the reckless squandering of money in the erection of machinery on leases the development work on which did not justify it. The 10-head battery on the Hawk's Nest leases, ever since its erection, has been crushing for the public, and has been constantly employed. It is situated in a very central position, and has proved a great boon to prospectors for miles around, and has undoubtedly been the means of determining the value of the ore bodies on many leases situated on Mount Weld and the British Flag. This battery has lately been purchased by a company who have taken over the Mount Barnicoat leases, and will be shifted on to them as soon as sufficient development work has been done; but in the meantime it will continue crushing for the public. This company has also just taken over the Augusta mine at British Flag. Dr. Laver has purchased the Craggie More, also situated at British Flag, for Sir Donald Currie, whose intention is to vigorously open out the large ore bodies on the lease preparatory to the erection of crushing machinery.

The Doctor has been a firm believer in the value of the large lode formations which are being worked at the British Flag, and it is in a great measure due to his faith in the district and his untiring efforts to attract the attention of capitalists to it that the mines are now about to be given a chance which they have never had before, and it is to be hoped that results will prove that his faith has not been misplaced and that we possess mines there capable of adding considerably to the Colony's output of gold.

The properties on the Earlston are at present looking very promising, and the development work which will be done on them during the next twelve months should demonstrate their value.

For particulars of leases and their holdings in this district, see Schedule A (2).

For particulars concerning the number of stampers at work, etc., see Schedule B.

The only declared township in this district is that of Mount Margaret, which has at present a population of 53. There is a Registrar's office here, and a Warden's Court is held every third Monday in each month. Post and telegraph offices have been established in this township, and there are, besides, a hospital and three hotels. Business and residence areas will be laid out at Mount Morgan and the British Flag as soon as possible, as both of these places are coming to the fore as important mining centres, and may eventually develop into thriving townships.

The gold output from crushings in this district for 1898 was 6,516oz. 13dwts. 13grs. from 3,929 tons 19cwt., averaging, excluding specimen crushings, 1oz. 12dwts. 17grs. In addition to this a certain amount of alluvial has been obtained; but, owing to the absence of banks in this district, the majority is taken away to Menzies and Coolgardie, and it is impossible to form any estimate of the actual amount won.

The chief mining centres of this district are Westralia, Mount Morgan, Korong, Mount Weld, British Flag, and Earlston, and short descriptions of the principal leases in each are given below:—

WESTRALIA MOUNT MORGAN.

The Westralia Mount Morgan (Lease 321 T), containing 24 acres, is situated seven miles West-North West from Mount Margaret, and is, so far, the biggest and most important mine in this district. There are four reefs running throughout its entire length, and each shows bold surface outcrops.

The development work has been confined to one only. This vein consists of a decomposed quartz, heavily impregnated with iron, and down to 100ft. gives evidence of having been subjected to very heavy pressure. Its dip is almost vertical, being about 80 degrees to the East.

Three shafts have been sunk on this vein; two to a depth of 103ft. and one to 216ft.

From the No. 1 shaft, at 48ft., a level has been driven for a distance of 116ft. Northwards, on the footwall of the vein. Two crosscuts have been put in from this level to intersect the vein, and about 64ft. of driving on the hanging wall connects the two crosscuts and, as the reef is 18ft. wide in the crosscuts, a solid body of ore matter is exposed, measuring 18ft. by 64ft. Both faces, North and South, are in good ore.

From the No. 2 shaft, which will be stripped down and converted into a main shaft, a crosscut has been put in 56ft., at 100ft., to the footwall of the vein. It was continued through the vein to the hanging wall, an exposed vein matter 18ft. 6in. in width. A level has been driven here on the footwall for 310ft., connecting this shaft with the No. 3 on the North and the No. 1 on the South. Both faces are in excellent ore. This shaft is 216ft. in depth, and crosscutting is just to be commenced to intersect the vein at 200ft.

The average value of the whole ore body which has, so far, been exposed, is estimated to be 30dwts., from battery extraction alone.

The country rock, down to 100ft., is a dioritic schist; below that it is diorite and slate, and is very much more settled. A Gate's rock-breaker and two Tremain mills are at present working on the mine, but the mills cannot run anything like full time owing to scarcity of water. The output of gold for 1898 was 1,986ozs. 19dwts. 8grs., from 1,686 tons.

The water is fresh, but there is only a supply of some 3,000 gallons per day as yet. This should be considerably increased, however, when the vein is cut at 200ft.

A 20-head battery, one of Bowes, Scott, & Western's, is being erected and will be at work before the end of April.

A cyanide plant is also to be erected, and, in the meantime, a small one to treat the tailings at present on the ground is being put up.

The Big Phoenix (326r), containing 24 acres, adjoins the Westralia Mount Morgan on the South. The deepest shaft is now down 160ft., and the width of the vein at 50ft. is from 12 to 15ft. A trial crushing of 60 tons gave an average return of over 2oz. Only some 40ft. of driving has been done at 50ft., but the sinking of the shaft is being pushed on in order to open a level at 200ft., and to obtain water. The ore down to 90ft. is oxidised, and a level will be put in here. Below this depth very heavy sulphides are met with, which will require roasting before treatment. A 10-head Thompson's battery is lying on the ground ready for erection as soon as sufficient development work has been done. This should turn out one of the biggest mines on the field.

On this line of country there are 16 leases, containing 290 acres.

KORONG.

Situated about 20 miles North-West from Mount Margaret.

The Korong (461r) contains 24 acres. It has seven shafts, averaging from 30ft. to 130ft. in depth. The country rock is diorite. No water has as yet been obtained. 55ft. of driving have been done at 30ft., and the reef exposed averages 4ft. in width. Small parcels crushed have given satisfactory results. This lease is still in the hands of the prospectors.

The Corona Broken Hill (755r) contains 24 acres. On this lease two shafts have been sunk to a depth of 30ft. and 125ft. respectively. At 125ft., 130ft. of driving have been done, and the reef exposed averages nearly 4ft. in width. The nearest water is four miles distant, where it was obtained at a depth of 60ft., and is quite fresh. This lease is still in its prospecting stage. 43 tons crushed gave a result of 63oz. 5dwts. 2grs.

Charles XII (683r) contains an area of 24 acres. Its deepest shaft is 80ft., but not much driving has been done. The reef is about 2ft. wide. A quantity of surface alluvial has been obtained on this lease, which is still in the hands of the prospectors.

There are several other leases at present being prospected along this line of country, which apparently is a continuation of the Westralia Mount Morgan belt. (See Locality Plan attached to this report.)

MOUNT WELD.

The Edinburgh Castle (809r and 811r) contains 36 acres, and is situated 27 miles East-South-East from Mount Margaret. Nine shafts have been sunk, averaging in depth from 40ft. to 160ft. There are several small veins running through these leases, and the largest, on which 230ft. of driving have been done at 40ft. and 100ft., averages in width about one foot. The country is ironstone and slate, and the quartz veins are very highly mineralised. Crushings to date have given a result of 381oz. 13dwts. from 160 tons. A three-head battery has been erected on this property.

The Sailor Prince (781r) contains 12 acres, and is situated 35 miles East-South-East from Mount Margaret. On it three shafts have been put down to depths of 80ft., 90ft., and 47ft. respectively, and 50ft. of driving have been done at 40ft., and a very nice reef, averaging from 2ft. to 8½ft. in width, has been exposed. The country rock is a slate. 67 tons of ore from this lease gave a result of 145oz. 10dwts., an average of 2oz. 3dwts. 10grs. per ton.

The Golden Ring (801r) contains 12 acres, and is situated 30 miles East-South-East from Mount Margaret. This lease was only applied for on 7th October last, but two shafts have since then been sunk to depths of 28 and 40 feet respectively, and 50 feet of driving have been done at 40ft. level, where a very nice vein of bluish quartz has been followed, averaging in width about 18 inches. The country rock is a decomposed slate. To date, 617ozs. 10dwts. have been obtained from 68 tons crushed, an average of 9ozs. 1dwt. 4grs. per ton. This lease promises to be a valuable property.

The Mount Weld (673r) contains 18 acres, and is situated 29 miles East-South-East from Mount Margaret. This lease is at present under exemption. There is a 5-head battery on it, which has lately been crushing for the public. Good fresh water has been struck, at a depth of 140ft., about 1¼ miles West of the lease, and is at present the only supply obtainable for the battery, and, with the exception of a well near the Ediinburgh Castle, is the only water in this centre. Three shafts have been sunk on this lease to depths of 85ft., 134ft., and 155ft., respectively, and in all 135ft. of driving has been done at various depths. So far, results have not been satisfactory. Forty-nine tons crushed have yielded 27 ounces.

All these properties, and several others in the vicinity of Mount Weld, are still in the hands of the prospectors.

BRITISH FLAG.

There are a great number of leases in this centre upon which a considerable amount of work has been done. The principal ones are:—

The Craggiemore (592r and 693r) containing 48 acres, and situated 18 miles North-East from Mount Margaret and two miles South of Laverton township. Four shafts have been sunk on the lode to depths of 40ft., 40ft., 90ft., and 163ft. respectively, and, in all, 190ft. of cross-cutting have been done at various depths, and the lode driven on, at 100ft., for a distance of 40ft. The lode here, by crosscutting, has been found to be 60ft. in width, but only some 8ft. or 10ft. on the hanging wall side is payable. 215 tons of ore crushed from here have yielded 201ozs. 17dwts. 2grs. The composition of the lode is a very much decomposed quartz and schist, with bands of more solid quartz running through it, and is heavily impregnated with iron. The dip is almost vertical, being about 80 degrees to the East. The country rock is diorite. Fresh water has been obtained at 160 feet.

This property has lately been purchased by Sir Donald Currie, and the opening out of the lode, I am given to understand, is to be vigorously proceeded with in view of the erection of a large crushing plant.

There are several other leases along this line of lode which promise well, but on which more development work is necessary to demonstrate their value.

The Augusta (371r and 777r) contains 48 acres, and is situated two miles West from Laverton. A very nice reef runs throughout the whole length of this property and outcrops considerably on the surface. Two underlay shafts have been sunk on it to depths of 50ft. and 140ft. respectively, and levels have been opened at 50ft. and 90ft., and in all 240ft. of driving have been done. The vein, as far as it has been exposed in these levels, averages about 2½ft. in width, and from 441 tons 10 cwts. of ore taken from the shaft and these levels, 1,347oz. 7dwts. 6grs. of gold were obtained. At 120ft. in the shaft a decided change and improvement take place in both the character and value of the vein, and this continues to the bottom (140ft.). Another level will not be opened out until a depth of 200ft. has been reached.

The vein above 120ft. consists of a white laminated quartz carrying very little minerals, but below that depth it is of a more kindly nature, and heavily impregnated with iron, and gold shows freely as it is broken. The country rock is a hard diorite.

The lengths of chutes have not yet been definitely ascertained.

This property was under option to Mr. R. Hamilton, the manager of the Great Boulder, who is acting on behalf of an English company, and has just been taken over by him. The same company owns the Barnicoat leases, which are also in this centre.

This mine is one of the most promising on the field, and should, before long, be adding considerably towards the gold output from the Mount Margaret Goldfield.

Several other leases are being worked in the vicinity of this mine.

The Lancefield (806r) contains 24 acres, and is situated four miles North-North-West from Laverton. Two shafts have been sunk on the underlay of the reef to depths of 50ft. and 70ft., and at 50ft. the reef has been driven on for about 70ft., and the reef crosscut in two places showing widths of 15ft. and 20ft., samples from which, by fire assay, give an average result of 1oz. per ton throughout its entire width. The ore is a clean, free milling, blue quartz, carrying a small percentage of sulphides, and the gold is extremely fine, and evenly distributed through the stone. The country is diorite. The reef has a very even underlay of about 55 degrees, and dips to the East. This lease has been purchased by a local syndicate, and a 10-head battery (Sandicroft) has been erected and has just commenced work. A cyanide plant will be put up as soon as possible; as owing to the fineness of the gold, only a battery extraction of 50 per cent. is expected. This mine should carry a large number of stamps in the near future.

Mount Barnicoat (475r, 660r, 722r, 772r, and 773r, containing 100 acres), is situated 23 miles North-East from Mount Margaret and six miles East-South-East from Laverton. On this mine there are eight shafts. The main shaft has been sunk to a depth of 250ft., and the others vary from 30ft. to 151ft. In all 733ft. of levels have been opened up, and the reef exposed averages about 18in. in width. It is a clean, white, laminated quartz, carrying a small percentage of iron. The country rock is a diorite. Sixty-eight tons crushed have given a result of 77oz. 13dwt. This mine is owned by the Golden Rhine Gold Mines, Limited, who also own the Augusta. The main shaft is making 5,000 gallons of fresh water per day. The 10-head battery now crushing at Eagle's Nest for the public was purchased during the year by the company, and will be erected on this mine as soon as it has been sufficiently opened out.

The Euro (785r) contains six acres, and is situate at Quartz Hill, 16 miles East-North-East from Mount Margaret and seven miles due South from Laverton. This is a portion of ground originally held by the Quartz Hill Gold Mining Company, and abandoned by them as valueless. The portion now comprised within this lease had never, apparently, been prospected by the company. The present holders have found a very nice quartz reef, which gave no surface indications whatever, and have put down a shaft on it to a depth of 55 feet, at which level they have driven 150 feet along the vein, which averages three feet in width and carries very good gold. Several parcels have been crushed at the Eagle's Nest battery, in all 143 tons for 280oz. 3dwts.

The Childe Harold (761r and 805r), containing 48 acres, is situate 14 miles East from Mount Margaret, and 13 miles South from Laverton. On this property there is a very large quartz reef which, by cross-cutting at water level, 50 feet has been proved to be 25 feet in width. Three shafts have been sunk on it to depths varying from 32 to 58 feet, and in all 54 feet of driving along the reef have been done. The vein, though an extremely big one, is low grade, giving an assay value of some 12dwts. only. The water is fresh and plentiful. The country rock is a dioritic schist. The reef has a very large outcrop on the surface extending over 200 feet in length and averaging 20 feet in width. 4 tons 5cwts. crushed gave a return of 2oz. 4dwts., an average of 10dwts. 8grs. per ton.

This property is under offer to a company, and will, I think, be taken over soon. In which case the reef will be thoroughly prospected and its bulk value correctly ascertained. If payable, it will keep a large number of stampers running.

THE EARLSTON.

The Earlston North-West (720r), and *The Baneygo North* (725r), containing 12 and 24 acres respectively, are situated 60 miles North-North-East from Mount Margaret, and about one mile West of Earlston townsite, and are owned by Cox and party. A very promising reef runs through both leases. Four shafts have been put down on it to depths varying from 30ft. to 90ft., and in all the vein has been opened out at 50ft. and 90ft., for a distance of 189ft. The reef consists of a clean greyish quartz, carrying a fair quantity of sulphides, and averages about 3ft. in width. The water (which was obtained at 85ft.) is salt, but fairly plentiful. Eighty-five tons crushed have yielded 163ozs. 2dwts.

The Mistake (795r and 796r), containing 48 acres and situated about a mile East from the townsite, is owned by Kirkpatrick Bros. and party. These two leases were originally held by the Venture Corporation, and were then known as the Earlston Proprietary. They were abandoned by them in June last, and were immediately taken up by the present holders. There are four distinct veins running from end to end of the property, each showing bold outcrops all along the surface for over half-a-mile in length. The trend of these veins is North and South, and they underlay to the West. The workings have mostly been confined to one vein only, and four shafts have been sunk on it, three to a depth of 50ft. each, and the main shaft to a depth of 112ft. At 50ft., 884ft. of driving have been done, and the shafts have been connected. This vein averages 2ft. in width, and is composed of a kindly-looking white quartz, carrying a fair quantity of free gold, which is extremely fine, and a very large amount of sulphides, mostly iron and copper pyrites and galena. These sulphides occur even on the outcrops. The main shaft has been sunk some distance away from the vein, and on its hanging wall side. It is making about 2,500 gallons per day of salt water.

A 5-head battery is in course of erection, and should be at work before long. A battery extraction of 30dwts. is expected.

Little Doris (771r), situated 20 miles East of South of the townsite, has a reef averaging about 2ft. in width running through it. Four shafts have been sunk on it to depths varying from 43ft. to 90ft. and in all 105ft. of driving have been done on the vein. Sixty tons crushed gave a result of 153ozs. 15dwts. 10grs., an average of 2ozs. 11dwts. 6grs.

The Crescent (754r), contains 25 acres and is situated about 20 miles North from the townsite. It has a shaft down 70ft. to water level. Very little driving has been done. The reef is about 3ft. wide as far as it has been exposed, and some 72oz. of gold has been obtained, by dollying principally.

EAGLE'S NEST.

This centre is situated about 12 miles North-East from Mount Margaret on the road to the British Flag. A good many leases were pegged out around here and worked, but have now nearly all been abandoned, as no payable ore bodies could be found. One of the best alluvial patches on this field is situated here, but is now very nearly all worked out.

A 10-head battery on lease 3r has, during the whole year, been crushing for the public and has been the means of opening up the country for miles around, affording very many prospectors the means of demonstrating the value of the ore bodies on their leases. This lease itself appears valueless, and the battery has been purchased by the Golden Rhine Gold Mining Company, and, as mentioned previously, will be erected on their leases at Mt. Barnicoat as soon as the development work is sufficient to warrant the removal.

GENERAL REMARKS.

Notwithstanding the amount of new ground taken up during 1898, this field, as I pointed out in my report last year (and my remarks apply equally at the present time) has as yet been only superficially prospected. Prospecting is, under any circumstances, a costly undertaking, and very few working miners, under existing conditions, are in the position to travel about and demonstrate the value of ore bodies which they might come across, and which undoubtedly exist throughout the whole length and breadth of this Goldfield. The natural result has been that very little, if any, prospecting has been done, during the past year, away from the settled centres. Nevertheless, new reefs and lode formations are frequently being discovered, and leases taken up on them.

The position which this field has achieved for itself is simply marvellous. The great number of good leases now being worked, its gold output, showing a regular monthly increase, and its revenue testify to what it has accomplished in spite of adverse circumstances, the want of capital, and the absence of transit facilities. It has existed and progressed entirely on its own merits, and has succeeded in accomplishing as much, in a short time, as it has taken other fields years to equal, with greater advantages in the way of capital and communication.

This field has now reached a stage which renders it absolutely essential to its future progress and prosperity that readier and cheaper means of transport should be provided.

The great cost of cartage at the present time deters many mine owners from erecting machinery on their properties. Timber for mining purposes is only with the greatest difficulty obtained, and costs 2s. 6d. and 3s. a stick. Firewood is becoming scarcer and scarcer every day, and many mine managers are already talking of being soon compelled to import coal. The Sons of Gwalia mine alone has under order over 400 tons of machinery, and also 40,000ft. of timber for its new head gear, etc. Timber will have to be imported for its new main underlay shaft, as the local bush timber is altogether unsuitable for such a purpose, and the item for cartage for this alone will run into a very high figure.

The mines are developing so satisfactorily, and the drawbacks and disadvantages against which they have at present to contend are so great, and the future of the field so assured, that I cannot too strongly urge upon the Government the necessity which exists for the immediate extension of the railway from Menzies to Leonora *via* Malcolm, nor can I too strongly impress upon them what a great and powerful factor such a line would prove to be in the opening up and development of this field, which in its resources and future prospects gives every promise of becoming, next to Kalgoorlie, the greatest gold producer in the Colony. The present importance of this field, its resources and gold output, the great number of good leases which are being opened out in different parts of it, and the amount of machinery at work and being erected, warrant the extension of the line from Menzies.

Since April 1st, 1897, the date of its first gold output, which was, by the way, 510ozs. from the North Star Mine, this field has produced 69,716ozs. 9dwts. 9grs. from 49,402 tons 15cwt. 1qr. of ore, and 1,442ozs. 7dwts. 10grs. of alluvial; making a total of 71,158ozs. 16dwts. 19grs.

The production for 1898 was 48,242ozs. 4dwts. 21grs. from 36,846 tons 16cwt., and 853ozs. 10dwts. 14grs. alluvial; making a total for 1898 of 49,095ozs. 15dwts. 11grs.

These amounts are absolutely correct, as they have all been taken from the quarterly returns furnished me by leaseholders, and the returns of alluvial gold have been obtained from the various banks and merchants, and though it is impossible to estimate with any degree of accuracy the actual amount of alluvial won from this or any other field, I think the amount given by me will be found to be fairly correct.

There are large patches of very fair pastoral country throughout this field capable of supporting a number of stock, and upon a run which has been taken up near Diorite King, by Messrs. Hooley & Emanuel, and which has been named by them "Sturt Meadow Station," there are, at present, being depastured 1,500 sheep, 170 head of cattle, and 40 horses. Most of the meat supply of Leonora and Malcolm is obtained from this station, and it is, as a rule, of exceptionally good quality.

The whole of this field was brought under the operation of the Mines Regulation Act on 21st January, 1898, and Mr. J. O. Hudson was appointed, on the same date, as inspector.

A board of examiners, for issuing engine-drivers' certificates, with the Inspector of Mines as Chairman, was appointed during the year, and an examination was held at Malcolm in June, when 46 candidates were examined, 23 of whom passed and were granted certificates, and 23 were refused.

The number of accidents on mines within this field during the past year, and full particulars concerning them, will be found in Schedule D.

The health of the field has been exceptionally good.

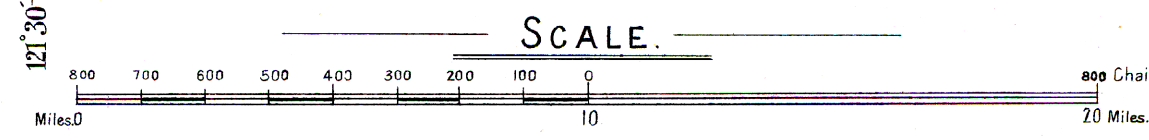
The water is, as a general rule, fresh throughout the field, and can be obtained for domestic purposes at depths varying from 50 to 100ft., but to obtain supplies for battery purposes, in some instances mines have to sink to 200 and 300ft.

The population of the field is, as nearly as can be estimated, 1,725 persons, distributed as shown in Schedule E. The population of the townsites is included in this number, and is also shown separately, as also is the number of births, deaths, and marriages.

Schedule F gives some interesting and valuable information as to the revenue from the field, the number of licenses in existence, and the number of cases heard in the different courts, and also the rainfall in each district.

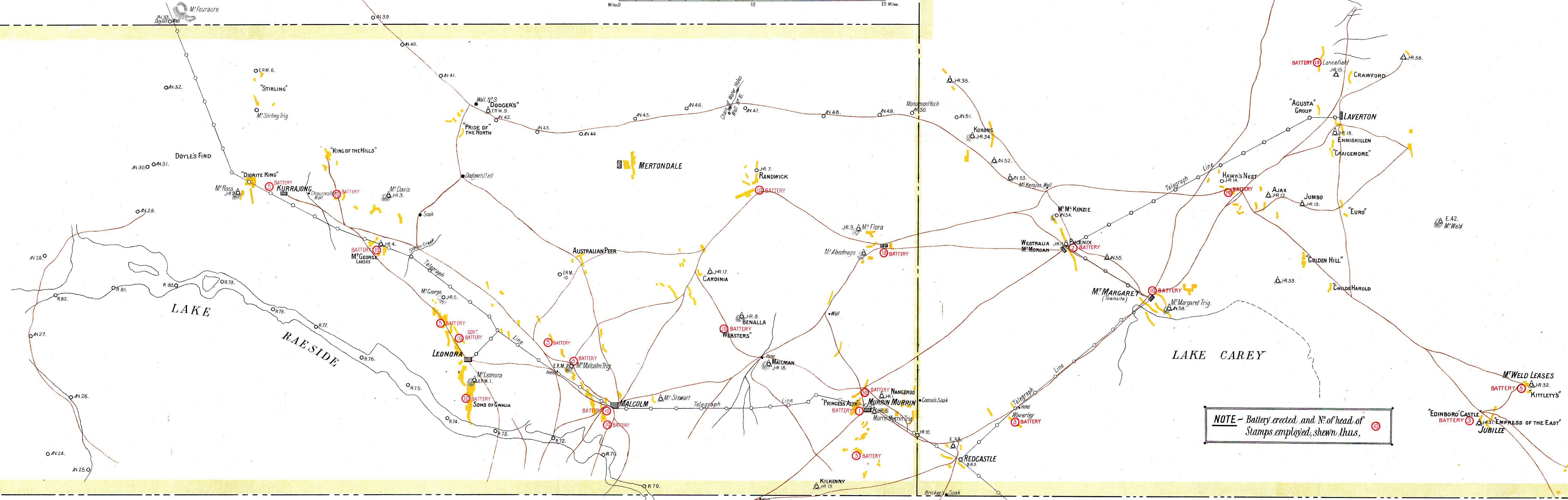
Schedule G gives particulars of the ruling wages, the cost of living, and cost of carting.

PORTION OF
MT MARGARET GOLDFIELD
 MT MALCOLM DISTRICT AND PORTION OF MT MARGARET DISTRICT.



EAST MURCHISON G. F.

NORTH COOLGARDIE G. F.



NOTE - Battery erected, and N° of head of Stamps employed, shewn thus, 10

As regards alluvial gold, a good deal has been won from this field during the past three years, but very little, comparatively speaking, is now being obtained. Some 100 men or so are still engaged in fossicking on the old patches, but I don't think that many of them are making even wages. Very little has ever been found on leases and, as far as I can ascertain, no leases are at present being searched for it. Deep alluvial, of a payable nature, has not as yet been found, nor has much prospecting been done for it. The Forrest leases, near Leonora, were invaded by the alluvial men during the year and shafts sunk all over the property, but nothing was obtained and all the claims have since been abandoned. At the British Flag, in Skull Creek, a small syndicate has, during the past year, been prospecting for this form of alluvial gold by means of a boring plant, and good wash carrying a very small percentage of gold was found at 80ft. which continued to 110, when bottom was struck. This bore has now been abandoned and another is to be put down more in the centre of the creek, which is a very wide one. It is a likely looking place, and success should crown their efforts.

The soil throughout this field is of a most exceptionally good character, and, with the abundant supply of fresh water obtainable, almost anything could be grown locally. In one or two places fruit trees have been planted and are growing splendidly. Many of the mines have small vegetable gardens of their own from which most excellent vegetables are produced, including potatoes. The largest garden is at Bummer's Creek, where about an acre has been fenced in and cultivated. There is a great depth of good soil here and abundance of fresh water. The vegetables from this garden are sold in Malcolm, and on such of the surrounding mines as have no gardens of their own, and the tomatoes, cabbages, cucumbers, and cauliflowers are as good as any I have ever seen. This garden had a plentiful supply of every kind of vegetable for fully nine months last year. A plough is used for breaking up the soil, and about 3,500 gallons of water are used each day.

A locality plan is attached to this report showing positions of principal leases, roads, batteries, etc., and should prove instructive and interesting.

I cannot conclude this report without placing on record the valuable services which have been rendered by the officers of the departments over which I have control. Their readiness at all times to assist me, their courtesy to and willingness to oblige the public, and the interest they have invariably taken in their work deserve this recognition.

ARCHD. E. BURT,

Warden, Mount Margaret Goldfield.

Malcolm, 15th March, 1899.

A (1.)

MOUNT MALCOLM DISTRICT.

	1894.	1895.	1896.	1897.	1898.	Total.
Number of Leases applied for	15	109	304	58	136	622
Area of Leases applied for (in acres)	254	1903	6021	900	2254	11332
Number of Leases abandoned, forfeited, and voided and not since re-applied for	8	63	209	30	13	323
Number of Leases abandoned, forfeited, and voided and since re-applied for	3	15	43	4	2	67
Number of Leases refused ... ..	...	2	1	3	...	6
Do. in force on 31st December	4	29	51	21	121	226
Area of Leases in force on 31st December (in acres)	66	476	1017	405	2069	4033
Miners employed on Leases on 31st December in each year	no record	no record	no record	550	650	
Number of Water Rights applied for ... ..	...	7	6	13	19	45
Area of Water Rights in acres ... ..	...	10	25½	37	682	754½
Number of Water Rights in force on 31st December ... ..	...	7	2	11	13	33
Area of Water Rights in acres ... ..	...	10	5½	31	668	714½
Number of Residence Areas applied for ... ..	...	...	...	28	...	28
Do. do. in force on 31st December ... ..	...	...	...	25	...	25
Number of Business Areas applied for ... ..	...	...	40	109	14	163
Do. do. in force on 31st December ... ..	...	...	22	76	9	107
Number of Machine Areas applied for ... ..	...	...	1	2	...	3
Do. do. in force on 31st December ... ..	...	...	1	1	...	2
Number of Tailings Areas applied for ... ..	...	...	1	...	...	1
Do. do. in force on 31st December ... ..	...	...	1	...	...	1
Number of Garden Areas applied for ... ..	...	...	...	2	1	3
Do. do. in force on 31st December ... ..	...	...	...	2	1	3
Claims applied for ... ..	...	...	...	...	15	15
Protection Areas applied for ... ..	...	...	...	3	16	19
Business Licenses issued ... ..	...	...	...	43	47	90
Miners' Rights issued ... ..	...	...	...	237	555	792
Number of Mineral Leases applied for ... ..	...	...	3	1	...	4
Area of Mineral Leases applied for ... ..	...	...	100	40	...	140
Number of Mineral Leases in force on 31st December ... ..	...	...	2	...	...	2
Area of Mineral Leases in force on 31st December ... ..	...	...	60	...	...	60
Average number of Miners employed on Mineral Leases ... ..	...	...	...	...	6	6
Number of Mining Licenses issued ... ..	...	...	...	...	2	2

A (2).

MOUNT MARGARET DISTRICT.

	1894.	1895.	1896.	1897.	1898.	Total.
Number of Leases applied for	17	63	165	90	56	391
Area of Leases applied for (in acres)	234	958	2481	1980	863	6,516
Number of Leases abandoned, forfeited, and voided, and not since re-applied for	12	51	111	70	6	250
Number of Leases abandoned, forfeited, and voided, and since re-applied for	1	6	23	5	2	37
Number of Leases refused ... ..	...	1	2	...	...	3
Number of Leases in force on 31st December	4	5	29	15	48	101
Area of Leases in force on 31st December (in acres)	45	103	562	272	715	1,697
Miners employed on Leases on 31st December in each year	*	*	*	450	480	...
Number of Water Rights applied for ... ..	...	2	7	9	6	24
Area of Water Rights (in acres) ... ..	...	6	18	42	...	66
Number of Water Rights in force on 31st Decem- ber ... ..	...	2	6	7	6	21
Area of Water Rights (in acres) ... ..	...	6	17	35	42	100
Number of Residence Areas applied for ... ..	...	...	11	...	...	11
Number of Residence Areas in force on 31st Dec- ember ... ..	...	...	7	...	...	7
Number of Business Areas applied for ... ..	...	...	61	17	14	92
Number of Business Areas in force on 31st Dec- ember ... ..	...	...	58	8	1	67
Number of Machine Areas applied for ... ..	...	1	1	1	4	7
Number of Machine Areas in force on 31st Dec- ember ... ..	...	1	1	1	4	7
Number of Tailings Areas applied for ... ..	...	1	...	1	...	2
Number of Tailings Areas in force on 31st Decem- ber ... ..	...	1	...	1	...	2
Number of Garden Areas applied for ... ..	...	...	...	...	...	...
Number of Garden Areas in force on 31st Dec- ember ... ..	...	...	...	...	...	...
Claims applied for ... ..	...	3	...	2	2	7
Protection Areas applied for	1	1	4	7	14	27
Business Licenses issued ... ..	...	...	...	16	15	...
Miners' Rights issued ... ..	...	...	...	210	198	...
Number of Mineral Leases applied for ... ..	...	...	...	...	...	...
Area of Mineral Leases applied for ... ..	...	...	...	...	...	...
Number of Mineral Leases in force on 31st Dec- ember ... ..	...	...	...	...	...	...
Area of Mineral Leases ... ..	...	...	...	...	...	...
Average Number of Miners employed on Mineral Leases ... ..	...	...	...	...	...	...
Number of Mining Licenses issued ... ..	...	...	...	...	...	...

* No record.

B.

BATTERIES ERECTED AND IN COURSE OF ERECTION—MOUNT MALCOLM DISTRICT.

Lease No.	Name.	Stamps erected.	Being erected.	Ordered.	Remarks.
207c	Sons of Gwalia	10	...	50	Cyanide plant ordered.
263c	Trump	5	...	...	...
195c	Leonora Gold Blocks ... ..	...	...	20	...
91c	Mount George	10	...	...	Just finished.
291c	Middlesex	10	...	...	Crushing for public.
18c	Diorite King... ..	5	...	...	Not working at present.
355c	Golden Sunset (Tremain)	5	...	...	Not working at present.
593c	Malcolm King	5	...	...	Just finished.
26c	North Star	10	5	...	...
12c	Richmond Gem	10	...	...	...
52c	Waite Kauri	10	...	...	...
65c	Webster's Find, Ltd.	10	...	...	...
125c	Australia United	10	...	...	...
11c	Malcolm Proprietary	30	...	...	Cyanide Plant ordered.
15c	Princess Alix... ..	1 Hunt- ington	...	...	...
282c	Oaklands	3	...	...	Crushing for public.

MOUNT MARGARET DISTRICT.

35r	Margaret Reward	10	...	...	Crushing for public.
321r	Westralia Mt. Morgan (2 Tremains)	10	20	...	Cyanide Plant ordered.
3r	Hawk's Nest	10	...	...	Crushing for public.
806r	Lancefield ... ..	...	10	...	...
673r	Mt. Weld	5	...	...	Crushing for public.
543r	Earlston Proprietary	3	...	...	Crushing for public.
775r	Waverley	3	...	...	Not yet working.
326r	Phoenix ... ..	...	10	...	...
796r	The Mistake ... ..	...	...	10	...
809r	Edinburgh Castle South	3	...	...	...

NOTE.—When not otherwise stated, all batteries are crushing their own ore.

Particulars of Mining Accidents during 1898.

Date.	Name.	Mine.	District.	Cause.	Particulars.
Feb. 2	Albert Cale ...	Leonora Gold Blocks	Mt. Malcolm	Dynamite explosion	Lost right eye, and permanent injury to right hand.
Mar. 30	John Sherran ...	King of the Hills ...	Do. ...	Explosion of detonator	Injury to two fingers.
Apr. 18	A. Templeton ...	Flying Pig ...	Do. ...	Fall of earth ...	Slight injury to one hand.
Aug. 3	Robt. Loftus ...	Sons of Gwalia ...	Do. ...	Do. ...	Fatal.
" 4	A. H. Morris ...	North Star ...	Do. ...	Fall from the battery platform	Injury to ribs. Completely recovered.
" 31	B. Hoperoft ...	Webster's Find ...	Do. ...	Fall of earth ...	Serious injury to spine. Still in hospital.
Sept. 8	H. Thomas ...	North Star ...	Do. ...	Caught in the battery belt	Severe shaking. Completely recovered.

D.

Population of the various centres, including Townsites.

Centre.	District.	Males.	Females.	Total.	Total for each District.
Malcolm ...	Mt. Malcolm ...	533	54	587	1,250
Leonora ...	Do. ...	525	55	580	
Diorite King ...	Do. ...	78	5	83	
Margaret ...	Mt. Margaret ...	200	22	222	475
British Flag and Earlston ...	Do. ...	250	3	253	
Total for whole field ...	...	...	...	...	1,725

Population of Declared Townsites.

Townsite.	District.	Males.	Females.	Total.
Malcolm ...	Mt. Malcolm ...	150	23	173
Leonora ...	Do. ...	140	35	175
Diorite King ...	Do. ...	25	3	28
Murrin Murrin ...	Do. ...	7	2	9
Margaret ...	Mt. Margaret ...	40	13	53
Total living in towns ...	...	...	...	438

Births during 1898 ... 8
 Marriages during 1898 ... 4
 Deaths during 1898 ... 20

E.

	1897.				1898.					
	* From 1st April, 1897, to 31st December, 1897.									
	£	s.	d.	£	s.	d.	£	s.	d.	
Mining Revenue—Margaret	† 2,248	4	0	...	...	...	† 1,879	15	6
„ „ Malcolm	† 1,689	3	0	...	...	...	† 5,168	15	6
				3,937	7	0				
Internal Revenue ... ..	...	...	...	750	19	8	...	...	...
Land Revenue ... ..	...	...	...	24	15	0	...	...	...
Stamp Revenue ... ..	...	...	...	20	0	10	...	...	...
				£1,733	2	6	...	...	...
								£10,202	15	1

* Declared a separate Goldfield on 1st April, 1897.

† Does not include rents and fees paid at Head Office.

	Margaret.		Malcolm.		Total.	
	1897.	1898.	1897.	1898.	1897.	1898.
No. of Publicans' General Licenses granted ...	4	3	10	11	14	14
„ Wayside House Licenses granted ...	...	1	3	3	3	4
„ Eating and Boarding House Licenses granted ...	...	...	1	3	1	3
„ Spirit Merchants' Licenses granted ...	...	...	3	5	3	5
„ Billiard Table Licenses granted ...	...	...	...	1	...	1
„ Gallon Licenses granted ...	2	2	...	...	2	2
„ Auctioneers' Licenses granted ...	1	...	2	4	3	4
Warden's Court cases (Plaints) heard ...	58	45	61	67	119	112
„ „ (Exemptions) do. ...	55	45	131	123	186	168
Local Court cases heard ...	...	...	13	42	13	42
Police Court do. ...	...	19	25	69	25	88
Rainfall, in inches ...	2.50	5.63	3.00	4.24		

F.

	Malcolm.	Margaret.
<i>Wages :</i>	£ s. d.	£ s. d.
Engine-drivers, per week	4 10 0	5 0 0
Mechanics do.	4 10 0	4 10 0
Miners (above ground), per week	3 10 0	3 10 0
Do (below ground) do.	4 0 0	4 0 0
Do. (in wet ground) do.	4 10 0	4 10 0
Labourers do.	3 10 0	3 10 0
<i>Cost of Living :</i>		
Beef, per lb.	0 1 0	0 1 0
Mutton, per lb.	0 0 10	0 1 0
Flour, wholesale, per ton	25 0 0	28 0 0
Do. retail per lb.	0 0 4	0 0 4
Tea do. do.	0 1 9	0 1 6
Sugar do. do.	0 0 4½	0 0 5
Potatoes, retail do.	0 0 5	0 0 6
Onions do. do.	0 0 5	0 0 6
Water, fresh, per 100 gallons, delivered ...	0 5 0	1 0 0
Bread, per 2lb. loaf	0 0 10	0 0 10
<i>Cost of Carting :</i>		
From Menzies, by camels, per ton	4 0 0	6 0 0
Do. by teams do.	6 0 0	12 0 0

Warden's Report on the North Coolgardie Goldfield for the year 1898.

From the Warden, North Coolgardie Goldfield, to the Under Secretary for Mines, Perth.

SIR,

I have the honour to forward, for the information of the Hon. the Minister for Mines, my Report on the North Coolgardie Goldfield for the year ending 31st December, 1898.

AREA UNDER REVIEW AND DIVISION OF GOLDFIELD.

The area of this field is 32,221 square miles, divided into four districts, viz., Menzies, comprising an area of (3,203 square miles), Niagara (771 square miles), Yerilla (15,747 square miles), and Ullaring (12,500 square miles).

In comparing 1898 with the previous year, it must not be lost sight of that the area of this field was reduced during the first quarter of 1897 by 20,000 square miles, through the declaration of the Mount Margaret goldfield, this new division being made from the East Murchison and this field.

This separation alienated many important gold-producing centres, such as Mount Malcolm, Mount Margaret, Mount Leonora, and others; consequently reducing our revenue and returns. The revenue alone lost something like £5,166, and everything else suffered in proportion.

The last three-quarters of the year have, however, shown considerable increases; yet it is unreasonable to expect that they would more than cover the very heavy losses caused by the re-division of the field.

As an instance: Table I. shows a falling off in revenue of £901 in round numbers, but when the above alteration is considered it will be observed that the proportionate revenue would have increased £4,264 had this field remained its original size.

POPULATION AND NUMBER OF TOWNS.

The total population is about 4,696 souls, showing a decrease of 870 on the estimated number for 1897. A perusal of Table A discloses the fact that the decreases are mostly in the towns, and the increases in the mining districts, which is a healthy sign, showing as it does that prospecting and *bona fide* mining is being done.

The nine townships of this field, viz., Menzies, Goongarrie, Mulline, Callion, Ida, Niagara, Tampa, Yerilla, and Linden, have not had their number added to during the year.

NUMBER OF G.M. LEASES TAKEN UP DURING THE YEAR.

It is pleasing to note that Table B shows an increase of 65 in number of leases taken up during 1898, as against the year 1897. This swelling of the number represents an area of 465 acres, and speaks volumes for the confidence reposed in this field.

The principal increase has been in the Niagara district, with Menzies coming next, and though Yerilla shows the same number of leases taken up as last year yet the acreage is 102 less, which may be attributed to prospectors only taking up areas in accordance with their means, and with a view to systematically working same, and not, as formerly, taking up the maximum area for speculative purposes.

NEW FINDS.

There have been five alluvial discoveries during the year. The first was made in April, at a spot about $1\frac{1}{2}$ miles South of Menzies, adjoining the Pioneer Lease, and though "wash" was struck 30ft. below the surface, nothing of a payable nature was unearthed. For some weeks considerable activity prevailed, and at one time between 150 and 200 men were working in this locality, but it was soon abandoned.

Early in the year the business people formed syndicates and offered rewards for the discovery of payable alluvial, and the above discovery was the outcome of the stimulus thus given to alluvial mining.

On the 30th July the second find was reported near Yilgangie Soak, about 35 miles South-East of Yerilla, by James Sangster, who was granted a Reward Claim. For some little time this attracted considerable attention, there being quite 150 men there at one time; but beyond the Reward Claim very few others proved payable, although this spot still carries a small population, and Gardiner and party are reported to be securing payable returns.

Messrs. Donnelly and Kneese, on 20th August last, reported that some men had pegged alluvial on their leases, the Gladys Junction and Belle Maie, two miles South of Mulline. On the 22nd August I proceeded to inspect this locality, and on the 29th of the same month it was declared alluvial. There were then about 100 men there, and claims were quickly pegged, but it soon subsided as the gold was too fine to save by ordinary alluvial processes, and in less than three months it was totally abandoned.

The next discovery was made on 3rd November at a place known as the Friday Flat, $1\frac{1}{2}$ miles West of Menzies, when wash was struck at a depth of 75ft., at the end of a drive 75ft. long, and in a Southerly direction, but unfortunately this too did not turn out to be of a payable nature.

During December a "deep lead" was reported to have been struck about three miles South-West from the township of Goongarrie, and although some 12 shafts were sunk, varying in depth from 10 to 25ft., all striking wash dirt, unfortunately no gold was obtained; nevertheless, a considerable amount of work is still being done there in the hope of striking a payable deep lead, but so far without success.

Mr. L. R. Menzie, the prospector of the Lady Shenton mine, discovered a new line of reef about four miles North-West from Mount Ida, and speaks very hopefully of it, but he is only down about 40ft. at the present time. He has had a trial crushing of 11 tons of stone put through, which yielded 18oz. 3dwt.

Latterly a new reef has been discovered near Mount Remarkable, 12 miles West of Yerilla, which I hope is opening up well.

Last November a new find of reefing country was made at a place known as the "Granites," six miles North-West of Pendinnie Post Office, and surface indications are very encouraging. Samples of from 50 to 70 ton lots have crushed from 1oz. to 1½oz. per ton.

About two miles South-West of Pyke's Hollow, Service and party discovered a good lode formation, from which 200oz. of gold have been obtained. Two shafts are sunk on the lease, the first being 91ft. deep, where good stock water is obtained, and the other 30ft. deep, from which the above crushings were taken.

MACHINERY ON THE FIELD AND PUBLIC CRUSHINGS.

Perusal of Table C discloses the fact that there has been a marked increase in the machinery now on the field, as compared with the previous year. The only decrease being one oil engine and two Huntingdon Mills, and even this is indicative of advancement, as better appliances have taken their places. Batteries have increased from 19, with 200 stamps, in 1897, to 30, with 365, in 1898, while the 30-head stamper battery at the Cosmopolitan, near Niagara, 10-head at Mount Catherine, near Yerilla, and 10-head at the Menzies Mining and Milling Company; also the cyanide plants at the Friday, as well as similar appliances on the Menzies Mining and Milling Company's property, have all been at work during the year.

Public batteries, each consisting of 10-head of stampers, are in course of erection at Mulline, Mount Ida, and Yerilla, and when finished will prove of incalculable benefit to the various districts. The first of these should be ready to start early in January next, while the second ought to be at work during the first quarter of the new year, and the latter shortly after.

The battery at Blevin's Find, 12 miles North of Niagara, has been crushing for the public, as have also the batteries on the Friday in Menzies, and the Hicks in Goongarrie. So prospectors in the North, South, and Central portions of the field have had ample opportunities to test their mines, and the Eastern and Western Portions have only had to cart their stone about 30 miles. The Mount Ida people, unfortunately, have not been able to avail themselves of these facilities, being too far (70 miles) away.

GOLD YIELD.

The total gold yield for the year is 71,746ozs. 8dwts. 10grs., as against 62,365ozs. 15dwts. 23grs. for 1897, showing an increase of gold won during the year of 9,380ozs. 12dwts. 11grs.

A new feature comes into the calculations this year, viz. :—The cyaniding and other treatment of tailings. The above figures include the gold obtained by these processes as well as by milling; but so as to be able to make correct comparisons I give the yields from these two different processes separately.

Taking the gold won from stone milled only, during 1897, 32,727 tons 19cwt. 1qr. were so treated giving 62,202ozs. 16dwts. 23grs., or an average of 1oz. 17dwts. 23grs. per ton; whereas this year 41,421 tons 13cwt. 3grs., equal to 8,693 tons 14cwt. 2qrs. less, yielded 60,917ozs. 5dwts. 23grs., being 1,283ozs. 11dwts. less than last year, or an average of 1oz. 9dwts. 9grs., reducing the average per ton by 8dwts. 14grs.

This slight falling off may be accounted for by the smaller number of prospectors' picked trial crushings being put through the mills, and consequently the larger proportion of what might be termed fair average stone crushed. Notwithstanding the lower average, I think this field may congratulate itself on being able to crush nearly 42,000 tons for an average of almost 1½ozs. per ton, and this is not counting what is left in the tailings nor the yield from concentrates and blankets.

The total increase from all sources of 9,380 odd ounces may be taken as a very satisfactory sign, and is quite up to what I predicted in my last report.

WATER SUPPLY AND RAINFALL.

Owing to the very dry season the Picton Valley supply has suffered a severe drain, and many of the wells are showing signs of giving out; but we are hoping for rain to replenish these. The domestic supply is still drawn from this neighbourhood.

The Menzies Waterworks at Lake Barlee are still pumping salt water to the mines, and their supply of 20,000 to 30,000 gallons per day still keeps up. The price too has been reduced from 25s. to 20s. per 1,000 gallons.

The rainfall this year has been 14 points less than last, when a little over 4½ inches fell. The wettest month was June, with a total of nearly two inches.

At Yerilla 496 points fell, as against 416 in the previous year, while at Niagara 413 points fell, as against 415 during 1897. Table K shows full particulars.

In the outlying districts the water supply remains the same, Table D showing the depth at which water is obtained in the various localities. The rainfall, too, seems to have been heavier than in and around Menzies.

The water question is fast becoming a very vexed one here, and unless something is done soon with a view to formulating a suitable scheme to supply the place with cheap water, mining will languish, as there is no doubt that nothing has retarded it up to date so much as the heavy cost of both salt and fresh water.

MINING ACCIDENTS.

Table E shows the mining accidents which have occurred during the year. Though only four have been reported, I am sorry to say three of these proved fatal. It will be observed that five occurred last year, but only one of these resulted in the death of the victim.

STATISTICS OF BUSINESS DONE.

Full particulars of business done in the Warden's Office is given in Table F. It will be noticed that though there is still a decrease on the whole, yet this is not nearly so large as last year; and, further, there is a substantial increase in the number and area of gold mining leases, quartz prospecting areas, and claims and machinery areas, which more than compensates for the loss, showing, as they do, enterprise and legitimate mining.

There has really been an increase during the last three quarters of the year, but owing to the severance alluded to in paragraph I, a large falling off occurred in the June quarter.

REVENUE.

There has been a falling-off in the total revenue of £901 13s. 10d., mainly in the Mines, General and Internal branches; but the Lands receipts have considerably increased (*vide* Table I.), a circumstance which I pointed out in my last year's report would occur, owing, as I then stated, to the fields becoming more settled and the revenue being diverted from one department to another. An instance may be cited: Business and residence areas become surveyed town allotments, thereby depriving the Mines Department of the revenue therefrom, who transfer them to the Lands Department, who, in turn, sell them, and so on with other sources of income to the Mines Department.

Notwithstanding these adverse circumstances, the last half of the year has shown a considerable increase in revenue, and I venture to predict that 1899 will show a considerable increase over 1898.

Another cause for this shrinkage is the re-division more particularly alluded to in paragraph I.

WARDEN'S HEADQUARTERS AND OFFICES.

The head offices of the goldfield, and also the principal Warden's, Police, and Local Courts are situated at Menzies, where all the principal business is transacted. New offices have been built during the year and are fully described under the heading of Public Facilities and Improvements, paragraph 15.

Courts were held every month at Niagara and Yerilla. At the latter place a new court house and Offices (full details also in paragraph 15) have been built, which considerably facilitates the business.

CASES DEALT WITH IN WARDEN'S AND OTHER COURTS.

Table H shows the number of cases dealt with in the various Courts, viz., 415 in the Warden's Court, 193 small debts (or Local) Court, and 285 Police Court cases; this latter shows a marked diminution of crime, being 92 cases less than for the previous year.

RULING RATE OF WAGES.

A strike occurred the first week in April, the miners holding out for £4 per week, and the managers offering £3 10s. Eventually, however, a compromise was agreed on, and all hands have been reduced from 5s. to 10s. per week, except labourers, truckers, and battery-feeders, who have received 1s. rise, and tool sharpeners, whose wages remain the same. Table I gives the various rates of pay.

HEALTH OF DISTRICT.

I am pleased to be able to report that the health of the field generally still continues very good, there being very little fever or sickness of any kind.

Table L shows the births, deaths, and marriages which have occurred during the year under review, as compared with 1897. It will be observed that births show an increase of nearly two per 1000. Deaths have decreased by nearly 10, while marriages have gone up by nearly two per 1000, which is a source of congratulation, the first showing increasing population, the second improving health, and the latter confidence in the field and prosperity.

PUBLIC FACILITIES AND IMPROVEMENTS.

The practical completion of the railway from Kalgoorlie has proved a great convenience and benefit to this place; but when the Government take it over next February the rates both for goods and passengers will be greatly reduced, and the trains will run more regularly and keep better time, so until then full advantage cannot be reaped from it. Nevertheless, for some time past the mining and business people have appreciated and still realise the facilities it offers.

The surveyed and cleared roads with wells remain as I last reported, and they have been kept in good repair by the Water Supply Department.

There have been no fresh telegraph lines erected during the year, most of the known centres being already connected.

The Niagara Reservoir was finished last March, and with its storage capacity of 40,000,000 gallons after rains, which, I am sorry to say, up to the present have not yet fallen in sufficient quantities to put

any water into it, will prove a valuable standby. Provision should be made at once for bringing the water into Menzies, as the supply will be far in excess of Niagara requirements; otherwise, when it does fill, much will be lost by evaporation before the scheme can be completed.

A commodious Police Court has been added to the present Government buildings, together with Clerk of Courts, Inspector of Mines, and Magistrates' offices. These additions have proved of great service as with only one court house, as hitherto, police and other cases often clashed with Warden's Court work.

On the whole Menzies may be congratulated on the very marked improvement it has made during the period under review, and every year makes even greater improvements, both in appearance and facilities.

New Court House, Magistrate's room, Registrar's and Draughtman's offices have been built at Yerilla, and prove a great convenience.

A public school has been built in Menzies, with accommodation for both boys and girls, together with schoolmaster's quarters, and is well attended. During 1897 this school was conducted in the Mechanics' Institute.

The latter buildings are all constructed with timber frames, covered with corrugated iron.

The three Public Batteries provided for this field I have dealt with, under the heading of Machinery. (Paragraph 5.)

EDUCATIONAL.

There is a well-attended State School. The total number of scholars attending increased by 56 during last year, the figures being as follows:—1897, 44 boys, 30 girls. 1898, 82 boys, 48 girls; totalling 74 and 130 respectively, making an increase of 56.

STATE OF TRADE.

Trade in Menzies has considerably improved, especially of late, owing principally to the railway reaching here and making this a terminus, and consequently a distributing centre for the back country. Residents capable of judging, and commercial men visiting here, state that financially Menzies is one of the soundest towns on the goldfields.

At Niagara, too, trade has revived, owing to the Challenge Battery starting and the consequent increased number of hands employed on that particular mine, which is just on the edge of the township; also to the revival of mining in the neighbourhood.

Trade has been bad at Yerilla, but as soon as it was known the Public Battery was to be erected many old prospectors returned, and what with this and the extra hands employed there, it is looking up considerably.

Mulline shows a most marked improvement, owing entirely to the erection of the Public Battery, inducing numbers of abandoned leases to be retaken up.

Mount Ida is improving somewhat owing to the same cause, and also the erection of a battery on the Copperfield Leases, but not to the same extent as other centres.

A new centre of activity has been created at Kookynie, about six miles N.E. of Niagara, where about 130 men are employed on the Kookynie, Cosmopolitan, and Diamantina leases; but I do not consider it advisable to gazette a township there at present. To meet the pressing needs, I have granted two or three business areas.

Trade in the remainder of the district has been very quiet, and so far I see nothing to warrant any immediate improvement.

PRINCIPAL EVENTS AND DOINGS.

The most important event which has happened since the discovery of this field was the opening of the Menzies-Kalgoorlie Railway, on 22nd March last, by His Excellency the Governor, Sir Gerard Smith, K.C.M.G., etc., amidst great public rejoicing. These rejoicings, however, were somewhat marred through a series of misfortunes in the shape of destructive fires, which took place a few weeks previous to the railway opening.

It will be observed, from a perusal of the foregoing, that there has been a considerable increase on this field of machinery (including cyanide plants on the Friday and Lady Shenton Extended Mines), applications for gold mining leases, quartz claims, and brick and stone buildings of a permanent character, clearly indicating that confidence in the capabilities of the North Coolgardie Goldfield is as strong as ever.

In and around Niagara, especially at Kookynie, six miles North-East, the mines are opening up well, and considerable activity is being displayed.

I regret to say, however, Goongarrie is very depressed, for, with the exception of the "Boddington" Leases, mining in that district is at a standstill.

PART II.

In this part of my report I have endeavoured to describe the number of leases and area of which each mine is composed; shallowest and deepest shaft; average width of reef; its value; water level, and

whether salt or fresh, together with the daily supply; and developments generally, up to the 31st December, 1898, placing the various districts and sub-districts in the following order:—

DISTRICT.	SUB-DISTRICT.
1. Menzies	Kensington Goongarrie
2. Ularring	Mulline Speakman's Mount Higgins Mount Ida
3. Niagara	Kookynie North Niagara
4. Yerilla	Mount Catherine Linden Eucalyptus Pendinnie Mount Remarkable Edjudina

I have to thank mine managers and leaseholders in the several districts for their very able and ready assistance, in supplying me with information unobtainable from any other source. I have used every effort to be as concise as possible, and trust the Hon. the Minister will not find this too tedious to peruse.

MENZIES DISTRICT.

The Lady Shenton is the principal mine here, and is owned by an English company, with a capital of £160,000 in £1 shares. It comprises two leases with an area of 35 acres. Four shafts have been sunk from 70ft. to 290ft. deep, including 80ft. on the underlay, the total sinking being 480ft. and driving 3,000ft., with 374ft. of crosscuts.

The average yield to date is 3ozs. 3dwts. 21grs. per ton, 13,909 tons of ore having been crushed.

The country rock is diorite, and so far little or no water has been obtained.

Two thousand six hundred tons of tailings have been treated by cyanide, from which 2,502ozs. 18dwts. of gold were obtained.

The mine is thoroughly equipped with a 30-head stamper battery, concentrators, roasting furnaces, rock drills, air-compressors, and the electric light is installed all over the property. Steel poppet legs and powerful winding plant are also erected.

The following plant has been added during this year:—10 head of stamps, new boiler (making five in all), new air-compressor and receiver, electric-lighting plant, rock-drilling plant consisting of five drills, and at present a new boiler and large compressor and receiver for ten drills are being erected; also the foundation of a cyanide plant, capable of treating 1,500 tons of tailings per month, are being put in.

The Queensland Menzies consists of the Wedderburn Lease (19 acres), and is situated about a mile N.W. of the Lady Shenton, and is also a good property.

The developments consist of three shafts 180ft., 230ft., and 305ft. deep respectively, with 750ft. of drives and 130ft. of crosscuts.

From this mine 6,387 tons have been crushed, yielding 3ozs. 11dwts. 8grs. per ton.

Salt water is obtained at a depth of 180ft., but the yield is small, the supply for crushing being obtained from the Menzies Waterworks, who pump it from Lake Barlee.

There is a 10-head battery fully equipped, as well as jarrah timber poppet legs 160ft. high over the main shaft, with overhead tramway to convey the ore to the battery on the property.

The Menzies Crusoe Gold Claims, Limited is North and adjoining the Queensland Menzies, and includes two leases of 44 acres in extent.

The total ore crushed to date equals 9,730 tons, from which 15,609ozs. of gold have been obtained.

This mine is equipped with a 10-head battery, which is a very efficient plant.

The Menzies Gold Estates, Limited, West and adjoining the above, comprise a group of three leases totalling 54 acres in area.

These are position blocks, and a main shaft is being sunk through diorite with a view to tapping the Crusoe reef. It is expected to get this at a depth of 620ft. The shaft is now down about 379ft., and progress is being made at the rate of 15ft. to 17ft. per week.

This mine is well equipped with an excellent plant, consisting of timber poppet legs, cages, winding engine, air-compressors, electric light, and a 10-head battery with oil engines.

The Lady Sherry is about quarter mile North of the Gold Estates, and consists of four leases with 46 acres in all.

The following are the developments:—Five shafts, 45ft., 78ft., 115ft., 115ft. and 177ft. respectively. Water level is at 180ft. and the water is salt; 680ft. of driving has been done and the reef varies from 9in. to 18in. thick, and has crushed from 16dwts. to 2½ozs.

There is a small winding plant and poppet legs on this mine.

Menzies Gold Reefs Proprietary, Limited, is a group of seven leases, totalling 91 acres, situated between and in line with the Lady Shenton and Queensland Menzies.

Twenty six shafts have been sunk, the deepest being 220ft. and the shallowest 16ft.; 1,590ft. of sinking and 3,407ft. of driving in diorite has been done, exposing a reef from 3in. to 18in. wide. Stock water is obtained at the 160ft. level. Up to date, 5,304 tons of ore have been crushed yielding 8,191ozs.

A 10-head battery and large cyanide plant, together with the usual accessories, have been erected on this property, but the former is mostly employed crushing for the public, and tailings are purchased from the latter.

The Menzies United own five leases of 84 acres in extent, situated to the West of the Menzies Gold Reefs (Friday), and were taken up with a view to tapping their reef.

Eight shafts have been sunk from 60ft. to 410ft. deep, equalling 1,199ft. of sinking in all, and 2,560ft of driving has been done in hard diorite.

There is a 30 h.p. winding plant, but no battery on the property, and about 100 tons of ore at grass.

The Alpha is situated South and adjoining the Lady Shenton. Two leases are owned by this company, comprising 44 acres.

There are six shafts from 25ft. to 270ft. in depth, and about 785ft. of sinking and 365ft. of driving done.

The reef, which was struck at a depth of 150ft., is from 4in. to 6in. thick, and yields a high average, 750 tons having been crushed, which yielded nearly 4oz. to the ton.

The management are now crosscutting in the deepest shaft, with a view to tapping the Lady Shenton lode. Their levels are only 300ft. from the Alpha boundary, and if this lode continues in the same direction it is confidently expected to strike it.

Winding plant, air-compressors, and rock drills, costing £2,500, are now being obtained.

The Menzies Mining and Exploration Company own 11 leases, extending from one end of Menzies to the other, being spread over a distance of two miles, with a total area of 171 acres; 39 shafts have been sunk, representing 3,859ft. of sinking, and 3,973ft. of driving and crosscutting has been done. The reef varies from 8dwt. to 2oz. per ton. The Shenton Extended is the principal lease, where a 10-head battery and cyanide plant are erected.

Central Menzies Gold Mines, Limited.—This company's property is comprised of two leases (Emulator and Lady Harriet) of 34 acres in extent, about one mile and a half South of Menzies. On the first of these are six shafts, varying in depth from 32ft. to 201ft., the total sinking, including winzes, being 484ft., and from which 673ft. of driving and crosscutting has been done.

A considerable amount of development work has been done on the Lady Harriet, 16 shafts having been sunk from 16ft. to 200ft. deep, which, together with winzes, represents a total of 1,164ft. Driving and crosscutting equals 1,441ft.

Three hundred and seventy-four tons have been crushed, from which a return of 467½ozs. of gold was obtained; the value of the gold was £3 10s. per ounce, and about 72ozs. was got from specimens.

Menzies Consolidated G.M. Company.—These properties are situated four miles south of Menzies. This group is composed of 12 leases, with a total area of 210 acres. There are 13 shafts, varying in depth from 100ft. to 330ft., the total sinking being 2,176ft., and driving 4,575ft. A plentiful supply of salt water is obtained at a depth of 130ft. This water only contains 2·8 per cent. of solid matter, so is good for mining purposes. The total ore crushed to date is 13,355 tons, from which 12,697ozs. 11dwts. 17grs. of gold were obtained.

This mine is equipped with a 20-head battery, two winding engines, saw mill, and two condensing plants. Additional machinery, consisting of a cyanide plant, capable of treating 1,000 tons monthly, a rock drill plant for six drills, and a plant for treating concentrates by cyanide, is now being erected.

The Athelstane is East of the Menzies Consolidated, and consists of 12 acres. There are two shafts sunk on this property, 100ft. and 150ft. respectively, and 500ft. of driving has been done; 559 tons have been crushed, giving a yield of 368oz., equal to 13dwts. 4grs. per ton. There is no machinery on this lease.

KENSINGTON SUB-DISTRICT.

CONSISTING OF BLOCK OF MINERAL COUNTRY, THREE MILES EAST OF MENZIES.

The Kensington Gold Mining Company own four leases, containing in all 52 acres. The developments are all on one block, and consist of a main shaft 125ft. deep to fresh water level, an underlay shaft 70ft., and another vertical shaft 100ft. deep.

There has been about 400ft. of driving done, exposing a large lode, full width being undefined, worth from 12dwts. to 1oz. per ton.

A crushing of 1,000 tons put through by the company yielded 1oz. per ton.

The Kensington East Gold Mining Company has a 24-acre lease S.E., and adjoining the above property.

There are two shafts 145ft. and 80ft. on the underlay, with 45ft. of driving, the reef being an average of 3ft. in width, and returning 11dwts. to 1oz. to the ton.

Fresh water is obtained at a depth of about 130ft.

The Vindicator Gold Mining Company hold a lease of 24 acres N.E., and adjoining the Kensington. The developments consist of a vertical shaft sunk to a depth of 130ft.; 40 tons of ore have been crushed, from which 42ozs. were obtained.

The Kensington Junction is South, and adjoining the Kensington, and contains 24 acres.

Developments: A vertical shaft 84ft. deep, an underlay 30ft., and 70ft. of driving.

At the bottom of the vertical shaft a sulphide lode has been discovered, 35ft. wide, and estimated to yield from 4dwts. to 2ozs. per ton.

The Goodenough is a 24-acre lease, and is situated about one mile and a half North of the Kensington.

A considerable amount of development work has been done on this property, the deepest shaft being 200ft., from which a supply of fresh water is obtained, of about 2,000 gallons per diem.

The reef is over 3ft. wide, and from crushings amounting in all to nearly 300 tons, from 19dwts. to 2ozs. 1dwt. per ton of gold, have been obtained.

There are several quartz claims being worked to advantage in this locality.

GOONGARRIE SUB-DISTRICT.

90-Mile Proprietary Gold Mining Company, Limited, situated about half a mile North of the town site, consists of three leases, on which there have been sunk 13 shafts, varying in depth from 30ft. to 130ft. Water is struck at a depth of about 70ft., but is salt. There are several reefs on the property, and 12,000 tons of stone have been crushed, yielding from 10dwts. to 13dwts. per ton.

Gold Mining Leases, 4891z and 4892z.—These leases contain five and six acres respectively. Ten shafts, varying in depth from 40ft. to 110ft., have been sunk, and most of the stone above water level put through the mill.

Gold Mining Lease 3484z contains 12 acres, and was until lately held by the 90-Mile Proprietary Company, but recently taken up and now being worked for copper. There are five shafts on the property, the deepest being about 65ft. The reef has a width of about 2ft. 6in., and is said to assay about 30 per cent. of copper.

Hicks' Gold Mining Company, Limited, consisting of two leases of 49 acres in extent, lies to the South of the above. On this property there are five shafts, varying in depth from 35ft. to 113ft. Salt water is struck at about 75ft., below which level no work, beyond the sinking of the main shaft, has been done. The reef averages about 2ft. 6in. in width and carries an average of 9dwts. per ton.

The Goongarrie Goldfields, Limited, own three leases comprising 34 acres, situated to the West of and adjoining Hicks' Proprietary. Seven shafts have been sunk to depths varying from 18ft. to 211ft. The reef throughout will average 2ft. 6in. All the ore so far opened up above water level has been milled, besides a considerable quantity from below, yielding an average of 10½dwts. of gold per ton.

Lady Montifiore Goldmining Company, Limited, consists of three leases, with an area of 30 acres adjoining the last-mentioned properties in the South, on which some 23 shafts, varying in depths from a few feet to 80ft., have been sunk. Several reefs have been found, but the only payable one is that which runs through G.M.L. 308 (Lord Hawson), from which 131 tons have been milled, giving a return of 13½dwts per ton. Considerable work has been done on this lease to water level (80). The quartz, however, occurs in pipe and bunches, so that it is impossible to give an average width to the reef.

Mimosa Gold Mines, Limited, consist of five leases containing 36 acres and situated on the lake about one mile and a half S.E. of the townsite. There are 10 shafts on this property varying in depth from 17ft. to 112ft. Water level varies from 17ft. to 35ft., and is exceedingly salt. The ore milled has yielded 3½dwts. of gold per ton.

ULARRING DISTRICT.

MULLINE SUB-DISTRICT.

The Off Chance, a 24-acre lease, which was abandoned by an Adelaide company, and after lying idle for some time Wallace and party took it up, and have since crushed 51½ tons for 233ozs. 12dwts. 23grs.

There are three shafts, 60ft., 200ft. (main shaft), and 70ft. deep respectively, 60ft. South and 150ft. North has been driven in the latter shaft. The reef is estimated to give a return of 1oz. to the ton. It is well prospected for the whole length of the lease, and has been found in the North Block.

The Young Australian is situated one mile and a quarter South of the town and consists of a 24-acre lease. The main shaft is 130ft. on the underlay, representing a vertical depth of 100ft. There is a quartz reef 2ft. wide, estimated to yield 2oz.; the country is soft slate. Vanadate of lead has been found on this lease.

La Belle Maie, two miles and a half South of the town, has an area of 24 acres. Two shafts are sunk 90ft. and about 50ft. respectively. In the first, headings have been driven 40ft. East and 40ft. South, exposing a lode formation of unknown width. In the second shaft, a quartz leader 6in. to 8in. wide show up, but there is 2ft. of crushing material. Fifty tons were lately crushed, but only gave ½oz. to the ton, but the tailings assayed 4ozs. Owing to the formation sliming so much the bulk of the gold was left in the tailings. This material is not suitable for an ordinary stamper battery.

A shaft has also been sunk through hard diorite 100ft. for water, but none was obtained.

The Lady Gladys adjoins the above, and is also a 24-acre lease. There are two shafts, 40ft. apart, and 80ft. and 90ft. deep each, and connected by drives, also 30ft. of driving in a Southerly direction.

The reef is 18in. to 2ft. wide, and estimated to go 1½ozs. (a special sample of 1cwt. crushed 186ozs.).

Another shaft is sunk 80ft., with 6ft. of driving, on the lode formation, which is about 20ft. wide, and estimated to yield 2oz. to the ton.

No water has yet been obtained.

The Lady Gladys Junction is a small property of five acres, wedged in between the above. There are three shafts—90ft., 60ft., and 30ft. deep. From the 60ft. shaft drives have been put in 30ft. West, 8ft. South, 10ft. North, and 40ft. East, while in the latter 20ft. of driving has been done. The country is kaolin and ironstone, in which a lode formation exists. Pan assays show a very high percentage of gold.

The Red Leap, owned by the London and Coolgardie Exploration Company, is a group of two leases, including an area of 36 acres. They are situated four miles South of Mulline.

Shafts are sunk from 26ft. to 158ft. deep on the underlay, equal to about 100ft. vertical, and representing 1,100ft. of sinking altogether, with driving and crosscuts amounting to 1,300ft.

The reef is 15in. wide, and the country rock quartzite and diorite, very hard after the first 50ft. There are 150 tons of ore now at grass, estimated to go 1½ozs. to the ton; 25 tons were crushed in Menzies last September, yielding 84oz. 16dwts., but the whole reef will not go more than 1oz. to the ton.

This company paid something like £15,500 for these properties, and have spent £4,750 in development work, so it is to be hoped their enterprise will be adequately rewarded.

From 100 to 150 gallons of salt water per day is obtained from the 100ft. level.

The British Lion is a 24-acre lease situated four and a half miles North of Mulline township. There are two shafts, one 25ft. and 30ft. on the underlay, and the main shaft 110ft. vertical. At the 70ft. level there is a drive to the South 30ft. along the reef, and a similar one at the 100ft. level in the same direction, with winzes connecting the two levels.

The reef is only 4in. wide, but the walls carry gold, and it is calculated that 1ft. on either side will pay to put through the battery, the yield therefrom being estimated to go 1oz. to the ton.

A 10-head battery is now being erected, and will be ready to start crushing by about March next. This is the only battery, beyond the Government public battery, in the district.

A good supply of from 6,000 to 7,000 gallons per diem of fresh water is obtained at a depth of 110ft.

The Shamrock, 20 acres.—One shaft has been sunk to a depth of 100ft., with 50ft. of driving, exposing a reef 18in. wide, and estimated to go 2ozs.

The Albury, 18 acres.—There are three shafts partly on the underlay 20ft., 30ft., and 100ft. deep, and 90ft. of driving; the reef is three feet wide, and worth about 1oz. to the ton.

The Mulline Lease, 15 acres, has two shafts, the first being a vertical one 130ft. deep, and another 150ft. on the underlay; the reef is only 9in. wide, and may yield 2ozs. to the ton.

There are many smaller properties, but there has not been much development work done on account of the scarcity of water, which has existed since the district was discovered.

SPEAKMAN'S SUB-DISTRICT.

Speakman's Mount Callion is owned by an English company. It is situated 23 miles South of Mulline, and contains three leases of 50 acres in extent.

There are four shafts 212ft., 140ft., 210ft. (main shaft), and 130ft. respectively. In the second shaft 200ft. of driving has been done, and 50ft. of crosscutting for the main shaft, and in the last-named 260ft. of driving has been done.

The reef is 4ft. wide at the bottom of No. 1 shaft, 5ft. in No. 2, 16ft. in the main shaft, and 12ft. in No. 4 shaft. Fire assays show from ½oz. to 1¼oz. per ton.

The country is hard diorite, and 500 gallons of water per diem is obtained at about 120ft. level.

A 20-head battery is erected on this property, but owing to the scarcity of water it has not been worked.

The Callion, Limited, is composed of four leases, equalling 66 acres, and also owned by an English company. These adjoin the above property.

The work done on the mine consists of six shafts, from 50ft. to 236ft. deep, representing 553ft. of sinking, with 713ft. of driving.

The country rock is hard diorite and very little water is obtained.

This company have spent over £9,000 in development work, and are now arranging to amalgamate with the adjoining property.

There are several smaller shows in the neighbourhood; and Shelly and party, who are working two miles and a half North-West of Callion, are reported to be raising payable stone.

MOUNT HIGGINS SUB-DISTRICT.

Mount Higgins consists of one lease, including an area of 18 acres, and is situated half-way between Speakman's and Mulline.

A considerable amount of development work has been done, but water is scarce. The reef has crushed up to 6ozs. per ton, and 71 tons treated this year gave a return of 3ozs. 7dwts. 3grs. per ton.

The Mulwarrie is a 24-acre lease, near the above mine, and is owned by Mr. De Baum. This is a very good property, 675 tons yielding something like 3ozs. 8dwts. 21grs. per ton.

There are four shafts, from 86ft. to 186ft. deep, with a good deal of driving. The reef is from 8in. to 4ft. 6in. wide in the centre, and gives a return of 3 to 8ozs. per ton.

Fresh water is obtained at the 100ft. level, yielding 250 gallons per day.

MOUNT IDA SUB-DISTRICT.

The Ida Leases comprise an area of 96 acres, with 950ft. of sinking in nine shafts, varying in depth from 70ft. to 210ft., and 2,814ft. of driving. The approximate size of the reef is 3ft., and the yield about 3oz.

At the 70ft. level the reef is 3ft. 6in. wide, and has been proved for a considerable distance.

The Rio Tinto is a 24-acre lease; 385ft. of sinking, divided in five shafts, the deepest being 90ft., and 315ft. of driving has been done. The average width of reef is 5ft., estimated to return 1oz. to the ton by pan assay.

The Forest Belle, consisting of 19 acres, has had 270ft. of sinking done. There are numerous shafts, the deepest being about 100ft. 152ft. of driving has also been done; while the reef averages 1ft. 6in., estimated to yield 2ozs. by pan assay.

The Boudie's Nest consists of one 12-acre lease. There are two shafts, 50ft. and 80ft. respectively, making 130ft. of sinking, with 600ft. of drives.

The reef has an approximate average width of 3ft., and is estimated to yield 1oz. to the ton by pan assay.

The Pioneer is another 12-acre lease, having a total amount of sinking on it of 120ft., comprised in two shafts, the shallowest being 30ft. and the deepest 90ft., with 70ft. of driving. The reef is 1ft. wide and estimated to yield 1oz. per ton by pan assay.

The Stornaway Castle, also a 12-acre lease, with 156ft. of sinking and 10ft. of drives. The reef averages 1ft. 3in., and is estimated to yield 1oz. per ton by pan assay.

The Ida Gem has an area of 12 acres, and 150ft. of sinking and 60ft. of driving done; the reef being approximately 2ft. wide, and is estimated to yield 1½ozs. per ton by fire assay.

The Pactolus is a 24-acre lease, lately taken up by Moore and party, with a shaft 40ft. deep and a drive 45ft. long, exposing a reef 2ft. 6in. wide; estimated by pan assay to yield 1oz. to the ton.

The Copperfield is a group of seven leases, situated four miles South of Ida, comprising an area of 152 acres, in addition to a five-acre water right adjoining.

There are 11 shafts, varying from 40ft. to 145ft. in depth, exclusive of the one on the water right, which is 130ft. deep.

The usual water level is 90ft., but at 130ft. a supply of 4,000 gallons daily has been obtained.

In the deepest shaft a sulphide lode, averaging 3ft. wide, exists. It is very heavily mineralised, and estimated to yield 3ozs. per ton. In the other shafts there is a narrow reef, but the lode matter in the walls carries gold a width of 3ft., being considered good milling stuff, and expected to give 1½ozs. to the ton.

There are three shafts down 100ft., and all connected by drives. In these the reef averages 18in. wide, and is calculated to go 2ozs. to the ton.

A 10-head battery is now being erected, which is supposed to start about March, 1899.

The Star of the East and Star of the East South.—These are two 24-acre leases, recently taken up by L. R. Menzie and party. They are situated four miles North-West of Mount Ida township. On the first of these a shaft has been sunk 70ft., *i.e.*, 40ft. vertically and 30ft. underlay. At the 40ft. level the reef is 4ft. wide.

On the other lease there is a vertical shaft 50ft. deep, with a crosscut 50ft., where the lode is struck; but it is only 8in. wide here. It is calculated that both will return 1oz. to the ton. A trial crushing of 11 tons from the Star of the East was recently crushed at Northam, which produced 18ozs. 3dwts. of gold.

NIAGARA DISTRICT.

The Challenge Mining and Milling Company.—This company own three leases, *viz.*, The Challenge (20 acres), The Lady Betty (16 acres), and The Sapphire (7 acres), with a total area of 44 acres. These are situated close to and West of the town.

On the first, three shafts have been sunk, 127ft., 162ft., and 153ft. deep, respectively, with 360ft. of driving, exposing a reef from 9in. to 6ft. wide, estimated to yield 1oz. per ton. Water level is 130ft., but at 150ft. 7,000 gallons of brackish water is obtained per diem, and is well adapted for milling purposes.

On these leases the machinery consists of pumping engine with boiler, and 6in. Cornish lift pump.

Two shafts are sunk on the second lease, Lady Betty, 93ft. and 139ft. deep, while 542ft. of driving has been done. A lode has been discovered on this lease, averaging 1ft. 3in. wide, and returning 18dwts. to the ton. Water level is 136ft.

The last-named lease also has two shafts sunk 148ft. and 143ft. deep each, from which has been driven 241ft.

The Sapphire.—On the surface rich patches of quartz were discovered by the prospectors, but deeper developments revealed a reef 18in. wide and varying in value from 3dwts. to 1oz.

Machinery, on an area near these leases, has been erected by this company, consisting of 10-head stamper battery, with compound engine, Cornish boiler and Berdan pans.

The battery will also be available for public crushing to the extent of about 300 tons per month.

The first crushing yielded 159ozs. from 156 tons, which may be taken as very satisfactory.

The Milkado line of reef is North of the Challenge, and three leases are being worked to advantage by the prospectors, who have obtained from 2ozs. to 6ozs. per ton from small parcels.

The Gladstone, situated three miles West of Niagara, comprises four 12-acre leases, totalling 48 acres. There are three shafts sunk, the deepest being 140ft., with a considerable amount of driving and stoping. The three shafts are now being connected. The reef averages 3ft. 6in. wide, and yields about 1oz. to the ton. This property is now under option to the Continental and W.A. Trust, Limited.

The Barrington consists of one 24-acre lease. The main shaft is 130ft. deep, at which level water is obtained; 107ft. of driving along the reef has been done from the shaft. There is another shaft 165ft. on the underlay, from which 114ft. of driving has been done. The reef averages 2ft. wide, and a trial crushing of 100 tons gave a return of 1oz. 18dwts. per ton.

KOOKYNE SUB-DISTRICT.

The Cosmopolitan, owned by an English Company, consists of six leases, comprising an area of 138 acres. Six shafts are sunk, the deepest being 153ft. The reef averages about 3ft. wide and yields approximately 18dwts. per ton. A considerable amount of stone has been crushed, which returned from 17dwts. to 20dwts.

Fresh water is encountered at 70ft. below the surface, but unfortunately, though a good supply, it is not sufficient to work more than 15 head of the 30 head of stamps, with which the mine is equipped, for more than one or two shifts a day. However, arrangements are being made to reticulate from the McTavish mine, which is higher, and about two miles distant, and which has an overflowing supply of 22,000 gallons per day, 12,000 being reserved for this mine.

The Cosmopolitan is situated about six miles N.E. from Niagara, and is right in the granite country.

The Kookynie adjoins the above mine, and is owned by the Cumberland Gold Mining Company, who have three leases of 72 acres in extent. The main shaft is 250ft. on the underlay, equal to 180ft. vertical. In this there are two levels, one at the 80ft. and 180ft. on the underlay. At the No. 1 level the reef is 2ft. 6in. wide; No. 2 level 3ft., and at the bottom of the shaft 10ft. A considerable amount of driving has been done at the various levels, in all amounting to 1,150ft.

A 20-head battery (Fraser and Chamber's) is now being erected, and is expected to start crushing next February.

A good supply of fresh water, fit for drinking, is obtained from the No. 2 level at 180ft.

The Diamantina, South and adjoining the Englishman, one of the Cosmopolitan group, is a 24-acre lease. There are three underlay shafts to water level; the main and deepest shaft being 90ft. on the underlay, or 64ft. vertically, at which level a good supply of fresh water is obtained. Cross cuts, 60ft. to where the reef was struck, and 132ft. of driving, has also been done along the reef.

The reef is from 2ft. 6in. to 3ft. thick, carrying from 1oz. to 1½ozs. of gold per ton. Three trial crushings of 11 tons each yielded from 1½ozs. to 4¼ozs. per ton, and the gold is worth from £3 17s. 6d. to £4 per oz.

There is no machinery on this property, but a further crushing of 75 tons will shortly be treated by the Britannia battery.

The Champion is situated two miles and a half North of the Cosmopolitan group, and consists of three leases with a total area of 35 acres. This was abandoned some time ago, but since the present prospectors took it up, some four months back, they have only been stoping and driving, with the result that 132 tons crushed 292ozs. 5dwts.

There are several shafts, at least 10 (two below water level, 60ft. and 90ft.), from 40ft. to 90ft. deep. The reef averages 6in. wide, carrying gold from wall to wall.

The Golden Hope, half-mile north of the Champion, comprises two 12-acre leases. It has a five-head battery which has crushed about 10 tons, averaging a little over 2ozs. There are two or three shafts from which a fair supply of first-class water is obtained, sufficient for two shifts.

NORTH NIAGARA SUB-DISTRICT.

The Sovereign, one mile east of the Golden Hope, consists of two 12 acre leases. There are three shafts sunk to water level, viz., about 60ft. below the surface, two of these are on the underlay. There is from 80ft. to 100ft. of driving done, also some stoping. The reef is nearly vertical, and averages about 2ft. 6in. in width, 150 tons from which crushed from 1oz. to 1oz. 6dwts. per ton. A fair supply of good water is obtained in the main shaft.

The Britannia, owned by a company, is situated seven miles North of Niagara township, and N.N.W. of the Cosmopolitan group, with an acreage of 48 acres. A good deal of development work has been done, the deepest shaft being 200ft. Nearly all the stone has been worked out above the 100ft. level, so the 200ft. level is being opened up, pending this five of the 10 head of stamps erected on the property are being utilised by the public.

The reef is between 3ft. 6in. and 5ft. wide, and crushes on an average of 18dwts. A little over 5,000 tons have been crushed to date.

Blevin's Find, consisting of eight leases, comprising 108 acres, has a 10-head battery erected thereon, but for several months has been crushing for the public. There are 10 shafts sunk, seven being vertical, from 40ft. to 85ft. deep, and three on the underlay 110ft., 117ft. and 222½ft., respectively; the latter is the main shaft and dips at an angle of 43 degrees.

Twelve hundred and fifty feet of driving has been done at the 85ft. level, and 30ft. of crosscutting in another shaft at the 65ft. level.

A good deal of stoping, representing something like 1,515 tons has been done. This stone yielded about 1,790ozs.

The average width of the lode for a length of 1,000ft is 2ft. 3in. The country rock is schist.

A plentiful supply of water, representing 30,000 gallons per diem, is obtained from the main shaft, and the quality is equal to what is known as good stock water.

Besides these mines already enumerated, several smaller ones, such as the Standard, the Wairn, the Trilby, Homeward Bound, the London upon which machinery has been erected, and others are being vigorously developed and are giving satisfactory results.

YERILLA DISTRICT.

The Queen of the Earth is a 24-acre lease, and I suppose has done more to bring this district into prominence than any other mine, on account of its exceeding richness on the surface. This is a large quartz outcrop, which unfortunately does not go down, carrying very coarse gold, three tons of which crushed some hundreds of ounces to the ton. There are six shafts on this property, varying in depth from 30ft. to 90ft., exposing a reef from 4in. to 1ft. thick, an average of 2ozs. 5dwts. being obtained from it. The surrounding country is diorite and schist, and good stock water is obtained 80ft. below the surface.

Many expert miners still maintain that the reef will make again at from 300ft. to 400ft. The latest developments are of a most encouraging nature, the tributors, who are now working the mine, being well satisfied with their returns.

The Yerilla Claims own three leases, comprising 37 acres. They have sunk 14 shafts, varying in depth from 20ft. to 130ft. The reef is from 6in. to 2ft. wide, and the country rock diorite and schist. Fresh water is obtained at a depth of 90ft., and the reef averages 1oz. 5dwts. per ton.

A Huntingdon Mill is erected on the property, but the mine is being worked by tributors, with no satisfactory results.

The Westward Ho consists of three 12-acre leases. Two shafts have been sunk 50ft. and 150ft. respectively, the reef varying from 1ft. to 10ft. in width, and yielding something over 12dwts. per ton. The country rock is a conglomerate, and fresh water is obtained at a depth of 125ft. There is a five-head battery on the mine, which has just resumed work after several months' exemption.

The Lady Gertrude contains 16 acres. Only two shafts, 75ft. deep each, have been sunk, at which level salt water is obtained. The reef is from 1ft. to 5ft. wide, from which 2oz. of gold per ton is obtained. The country rock is schist.

The Durham is a 24-acre lease. Four shafts are sunk on it, from 35ft. to 75ft. deep. The reef varies from 1ft. 6in. to 3ft. 6in. in width, and yields 14dwt. of gold per ton. The country rock is slate and conglomerate. Salt water is obtained at the 70ft. level.

The Harrow, late *Star of the West*, is only a small property, comprising nine acres. Nevertheless, there are six shafts from 20ft. to 80ft. deep, the reef being from 6in. to 1ft. 6in. wide, and returning 1½ozs. to the ton. Country rock, schist, and salt water is obtained at 75ft.

The Bullion, situated about six miles south of Yerilla township, comprises one 12-acre lease, upon which three shafts have been sunk, from 50ft. to 57ft. deep, exposing a reef from 1ft. 6in. to 5ft. 6in. wide, the country rock being schist. Water is obtained at the 50ft. level, and is slightly salt.

There are numerous other mines in and around Yerilla, but mostly low grade, varying from 8dwts. to 15dwts. per ton; but as the reefs are thick and water plentiful, when the public battery is going, and other crushing facilities are provided, this may turn out a payable field.

A public battery is being erected here, and will be ready to crush about March next. It is estimated that there are 700 to 800 tons of ore at grass ready for crushing, which will average about 15dwts. per ton, and worth about £1,100.

MOUNT CATHERINE SUB-DISTRICT.

Mount Catherine is owned by an English Company, and is about six miles S.E. of Yerilla township. This company have lately abandoned many of their leases, so that their property now consists of only three leases, with a total area of 56 acres. This mine is on a gigantic quartz outcrop, being as much as 45ft. wide in places.

There is a 10-head, well-equipped, Fraser and Chalmers' battery on the property, and the developments consist of a large open cut, 250ft. long, and five shafts from 80ft. to 180ft. deep; the reef varies in width from 1ft. to 45ft. The country rock is kaolin, diorite and schistose. Good, fresh water is obtained 130ft. below the surface, the present yield being equal to 3,000 gallons per day.

Though this company has spent so much as £8,000 in wages alone, and the crushings turned out so badly, nevertheless, they have decided to thoroughly test their property to a depth of at least 200ft, and for this purpose have purchased from the Yerilla Claims a complete winding plant, and it is to be hoped they will meet with the success they deserve.

Other leases were worked around this property, but they have long since been abandoned.

LINDEN SUB-DISTRICT (LATE GRIFFITHSTON).

The Blair Athol Gold Mining Company own five leases, comprising an area of 154 acres, including the Blair Athol, the Lady Edith, Wimmera, Portsea, and Ridge. On this property there is a considerable amount of development work, consisting of 13 shafts from 32ft. to 116ft. in depth, one of which is 100ft. below water level, with 600ft. of drives and 50ft. of crosscutting. The reef varies from 1ft. to 6ft. in width, and yields from 14dwts. from the Ridge, to 5ozs. 13dwts. from the Lady Edith, per ton.

The country rock below water level is similar to the formation in Menzies, viz., blue diorite.

The reefs outcrop, occurring in slaty schist, and the reef in the Lady Edith has a granite hanging wall, with a diorite foot wall.

There has been £10,000 spent in machinery, which consists of one 10-head and one 6-head stamper battery, with 25-horse power boiler and engine, and Berdan pans and rock breakers.

The water is all salt in this neighbourhood, with the exception of that found on the Lady Edith, which is fresh.

From a shaft, 100ft. below water level, a supply of salt water equal to 9,000 gallons per diem is obtained, while another well gives 1,200 to 1,400 gallons of good, stock water, which is used in the boilers.

The total ore crushed to date is 349 tons, for a return of 691ozs. 1dwt. 2grs. of gold, irrespective of what is left in the tailings.

The Greenhills comprises one lease of 24 acres. The reef is from 3ft. to 5ft. wide, and has, so far, yielded a little over 2ozs. to the ton, the owners obtaining 72ozs. of gold from 35 tons of ore. They also possess a 5-head battery. The deepest shaft is 80ft., and is just below water level.

The Carbine is a six-acre lease, the average yield being 23dwts. from a reef 3ft. wide. There are two shafts 60ft. and 70ft. respectively, with about 40ft. of driving; the latter shaft is down to water level. A Tremain Mill is being erected on this mine.

The Lady Ethel comprises a 12-acre lease, and is another consistent producer, the reef being 1ft. 6in. to 2ft. 6in. in width and yielding 25dwts. per ton from large parcels of stone. There are four shafts from 30ft. to 80ft. deep, representing 320ft. of sinking, and 300ft. of crosscuts.

The Traveller's Joy is another 12-acre lease, with a reef averaging 18in. wide, and has so far yielded 2ozs. 6dwts. per ton; but the shaft is only 40ft. deep, so its permanency is not yet proved.

EUCALYPTUS SUB-DISTRICT.

This centre is about seven miles a little North of West of Pendinnie. The principal mines here are:—

Numm's Lease, where there are three shafts varying in depth from 40ft. to 360ft.

The Tullamore, with a shaft 135ft. deep, and 30ft. of driving.

The Shannon have sunk three shafts from 98ft. to 150ft. deep, with 100ft. of driving. Crushing will shortly be commenced, but as yet none has been done.

The Eucalyptus Reward.—Two shafts have been sunk from 42ft. to 48ft. deep respectively. A crushing of 55 tons gave a return of 19dwts. per ton, but so far no water has been struck.

Lady Pascoe.—Two shafts have been sunk 90ft. and 100ft. respectively. Water, however, has not yet been met with.

The Nine of Hearts is the principal mine at Pyke's Hollow. A good deal of work has been done, and a Tremain Mill is erected thereon. Crushings from this mine have varied from 2ozs. to 4ozs. per ton.

There are parties at work on a small leader, three miles S.E. from here, obtaining a fair amount of gold from dollying.

PENDINIE SUB-DISTRICT.

The Washington Lease is situated at Pennyweight Point. The prospectors have carried on steady development work, sinking numerous shafts, the deepest being 70ft., two others 60ft., one 28ft., with 62ft. of driving, three prospecting shafts about 20ft. each, with drives 5, 10, and 18ft. respectively. Two other shafts, 30ft. and 60ft. respectively, have been connected by a drive 131ft. in length, from which a large amount of stoping has been done. The total amount of sinking amounts to 368ft., represented by 9 shafts, together with 226ft. of driving. Average width of reef, 2ft.

In December a crushing of 52 tons was put through, yielding over 1oz. to the ton.

But the main features of this part of the district are the developments which have taken place at a place known as the "Granites," six miles N.W. of Pendinnie Post Office, and so far as regards surface indications at least three payable mines have been discovered, although there has not been sufficient work done to prove its permanency.

However, Wood and party have crushed 50 tons, for a return of 25dwts., and Millbank and party 70 tons, yielding 1oz. per ton.

Fresh water, within a radius of four miles, is fairly plentiful, there being three soaks within this radius.

MOUNT REMARKABLE SUB-DISTRICT.

The original leases owned by the Darlôt Exploration Company, upon which a considerable amount of work has been done, have been abandoned, and are now lying idle.

The only lease working in the district is *The La Tosca*, containing 24 acres. The developments consist of three shafts, one sunk to 84ft., in which salt water is obtained, the other two being 30ft. deep each. The reef is from 2ft. 6in. to 3ft. wide, and a recent crushing of 30 tons gave a yield of 2oz. 5dwts. per ton.

The country is of a soft nature, and easily worked.

EDJUDINA SUB-DISTRICT.

The Neta lease has imported a new boiler and pump, with the result that regular weekly crushings of 50 tons are now being put through. On the lease is a Tremain Mill, which, so far, has yielded the prospectors about an ounce to the ton from stone crushed. This property was formerly owned by the Fingall Reefs Company, and at one time had a 30-head stamper mill erected thereon, and though there were several hundred tons of stone at grass, with much more in sight, it never started working.

The battery was sold to the Cosmopolitan Company, near Niagara, where it is now working, and Dadson and party jumped the lease, and put up a Tremain Mill, with the excellent result stated above.

In conclusion, every care has been taken to enumerate all the principal mines; but should it be found that any have been omitted, I trust the hon. the Minister will overlook this, as, what with my multifarious duties, and the difficulties and time it takes to travel the whole of this field, it is very difficult to collect reliable information of any sort.

I have, etc.,

W. LAMB DEN OWEN,

Warden, North Coolgardie Goldfield.

Menzies, 31st December, 1898.

TABLE A.

Showing, in detail, the Population of the various centres on 31st December, 1898, as compared with 31st December, 1897.

Centre.	District.	Males.		Females.		Total.		Increase of	Decrease of
		31/12/97	31/12/98	31/12/97	31/12/98	31/12/97	31/12/98		
Goongarrie, including Comet Vale	Menzies ...	100	70	30	20	130	90	...	40
Mulline, four mile radius ...	Ularring ...	48	150	Nil	10	48	160	112	...
Ularring, five mile radius ...	Do. ...	21	34	2	3	23	37	14	...
Callion, four mile radius ...	Do. ...	61	30	10	5	71	35	...	36
Mt. Higgins	Do. ...	12	33	1	7	13	40	27	...
Mt. Ida... ..	Do. ...	47	116	4	14	51	130	79	...
Menzies	Menzies ...	4,000	3,000	500	500	4,500	3,500	...	1,000
Niagara	Niagara ...	175	125	25	25	200	150	...	50
Tampa	Do. ...	135	100	15	12	150	112	...	38
Halls	Do. ...	75	Nil	5	Nil	80	Nil	...	80
Yerilla	Yerilla ...	70	70	6	8	76	78	2	...
Mt. Catherine... ..	Do. ...	28	12	2	1	30	13	...	17
Mt. Remarkable	Do. ...	3	4	1	1	4	5	1	...
Pyke's Hollow	Pendinnie ...	30	14	1	1	31	15	...	16
Pennyweight Point	Do. ...	10	10	6	2	16	12	...	4
Eucalyptus	Do. ...	49	58	1	2	50	60	10	...
Pendennie Soak	Do. ...	2	3	Nil	1	2	4	2	...
Tinden	Lake Carey	6	76	...	1	...	...	...	...
Blair Athol	Do. ...	66	...	4	...	76	77	1	...
Penguin	Edjudina ...	10	10	Nil	Nil	10	10	...	...
Edjudina	Do. ...	Nil	15	...	1	Nil	16	16	...
Quandong	Do. ...	5	7	...	Nil	5	7	2	...
Yilganie	Do. ...	Nil	5	...	Nil	Nil	5	5	...
Kookynie	Niagara ...	Nil	128	...	12	Nil	140	140	...
		4,953	4,070	613	626	5,566	4,696	411	1,281

Total Decrease, 870.

TABLE B.

Showing the number and area of Gold Mining Leases applied for during the year ended 31st December, 1898, as compared with the year ended 31st December, 1897, at Menzies, Niagara, and Yerilla.

District.	1897.		1898.		Increase of		Decrease of
	No.	Area.	No.	Area.			
Menzies ...	64	922ac.	82	955ac.	18	33ac.	...
Niagara ...	21	300ac.	71	834ac.	50	534ac.	...
Yerilla ...	35	574ac.	35	472ac.	...	...	102 acres
	120	1,796	188	2,261	68	567	102 acres

Total Increase : 68 applications, 465 acres.

TABLE C.

Showing Machinery on the North Coolgardie Goldfield on 31st December, 1898, compared with 31st December, 1897.

Particulars.	1898.					Total 1897.	Total 1898.
	Menzies.	Goongarrie.	Ularring.	Niagara.	Yerilla.		
Batteries ...	9 with 125 stamps.	4 with 55	2 with 30	7 with 88	8 with 67	19 with 200 stamps.	30 with 365 stamps.
Engines ...	36	10	5	13	12	53	76
Oil Engines...	2	...	...	...	3	7	5
Pumps ...	30	8	5	13	17	19	73
Boilers ...	38	13	6	14	15	58	86
Rock Drills...	20	...	...	...	...	9	20
Air Compressors ...	4	...	...	...	...	2	4
Berdan Pans ...	21	4	3	7	5	21	40
Huntingdon Mills...	...	...	...	...	1	3	1
Stone Breakers ...	3	...	...	1	6	9	10
Cyanide Plants ...	2 with 16 vats	...	...	...	...	...	2
Tremain Mills ...	...	...	...	...	2	..	2

TABLE D.

Showing Depth at which Water is obtainable at the various Centres in North Coolgardie.

Centre.	Depth.	Remarks.
Lake Carey ...	20ft. to 70ft. ...	Very salt. Freshens with distance from Lake.
Eucalyptus ...	100ft. to 150ft. ...	Brackish. Salt with depth.
Pennyweight Point ...	90ft. to 120ft. ...	Brackish. Fresh in places.
Pyke's Hollow ...	100ft. to 150ft. ...	Brackish. Salt with depth.
Edjudina ...	} 100ft. to 150ft. ...	Brackish. Salt with depth.
Pengin ...		
Quandong ...		
Yerilla ...	100ft. to 140ft. ...	Fresh and brackish.
Mount Catherine ...	100ft. to 200ft. ...	Fresh and brackish.
Mount Remarkable ...	100ft. to 150ft. ...	Salt.
Niagara ...	130ft. ...	Fresh.
Tampa ...	85ft. ...	Fresh.
Menzies ...	100ft. to 150ft. ...	Fresh. Brackish. Salt.
Ularring ...	130ft. ...	Fresh.
Mulline ...	150ft. ...	Fresh and salt.
Mount Ida... ..	80ft. to 100ft. ...	Fresh.
Callion ...	230ft. ...	Salt. Very small supply.
Goongarrie ...	150ft. ...	Salt.

TABLE E.

Showing the Number, Date, and Nature of Mining Accidents on the North Coolgardie Goldfield during the year ended 31st December, 1898, as compared with the year ended 31st December, 1897, with the Name of Sufferer.

1897.

Date.	Mine.	District.	Name of Sufferer.	Nature of Injuries.	Killed.	Injured.	Cause of Accident.
6th June	Lady Shenton	Menzies.	John Kirkpatrick	Leg bruises	...	1	Caught between cage and side of shaft.
26th July	Goongarrie Goldfields	Do.	John Madden	Fractured skull, back and arms broken	1	...	Falling off skeleton cage whilst removing centres.
16th Sept.	Royal Group	Do.	Wm. McGee	Bruised leg	...	1	Fall of hanging wall whilst timbering.
9th Oct.	Lady Shenton	Do.	Cogan & Simonds	Slightly cut and bruised	...	2	Fall of portion of hanging wall whilst timbering.
9th Dec.	Lady Sherry	Do.	John McKeever	Cut on thigh and calf of leg	...	1	Drill falling from bucket
Totals					1	5	

1898.

28th Jan.	Lady Harriett	Menzies	John O'Brien	Head crushed	1	...	Fall of ground in drive
26th Mar.	Mt. McLavish	Niagara	Phillip and Victor Branberger	Skull fractured. Forehead smashed in	2	...	Through boring into a hole which had mis-fired
14th May	Britannia	Do.	George Russell	Leg broken	...	1	Falling off a tramway
Totals					3	1	

TABLE F.

Showing the chief detailed Statistics of the Business done at the Mining Registrars' Offices at Menzies, Niagara, and Yerilla, during 1898, as compared with 1897.

Particulars.	1897.	1898.	Increase of	Decrease of	Remarks.
	Total.	Total.			
Miners' Rights	1,422	1,131	...	291	
Business Licenses	102	31	...	71	
Prospecting Areas	3	22	19	...	
Residence Areas	71	14	...	57	
Business Areas	52	22	...	30	
Machine Areas ... ..	...	3	3	...	
Garden Areas	2	...	...	2	
Water Rights Submitted	33	30	...	3	
Water Rights, Storm	2	1	...	1	
Transfers of Leases	141	104	...	37	
Transfers of Areas	210	89	...	121	
Exemption Applications	746	259	...	487	
Protection Applications	674	208	...	466	
Powers of Attorney	64	43	...	21	
Caveats	40	22	...	18	
G.M. Leases	120	188	68	...	
Objections	16	20	4	...	
Quartz Claims ... ..	...	78	78	...	
Alluvial Claims ... ..	...	7	7	...	
	3,698	2,272	179	1,605	Total Increase— 1,426

NOTE.—Decrease is only in minor matters. Leases, claims, etc., show substantial increase.

TABLE G.

Showing total amount of Revenue received at Menzies, Niagara, and Yerilla, during the year ended 31st December, 1898, as compared with the year ended 31st December, 1897.

Heading.	Particulars.	1897.		1898.		Increase of	Decrease of
		Amount.	Total.	Amount.	Total.		
		£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Mines	<i>General.</i>						
	Menzies ...	7,245 7 4	...	6,257 0 6			
	Niagara ...	422 8 6	...	1,505 16 6			
	Yerilla ...	1,755 10 0	...	903 5 9			
			9,432 5 10		8,666 2 9	...	766 3 1
	<i>Exemptions.</i>						
	Menzies ...	1,765 6 0	...	1,488 17 0			
	Niagara ...	62 11 0	...	136 8 0			
	Yerilla ...	321 11 0	...	155 3 0			
			2,149 8 0		1,780 8 0	...	369 0 0
Lands	<i>Surveys.</i>						
	Menzies ...	771 0 0	...	793 10 0			
	Niagara ...	97 0 0	...	506 17 6			
	Yerilla ...	300 0 0	...	269 0 0			
			1,169 0 0		1,569 7 6	400 7 6	
	<i>Total Revenue.</i>						
	Menzies ...	798 18 0	...	1,009 17 6			
	Niagara ...	48 0 0	...	2 0 0			
	Yerilla ...	15 0 0	...	125 10 0			
			861 18 0		1,137 7 6	275 9 6	
Internal	<i>General.</i>						
	Menzies ...	3,973 16 6	...	3,772 17 4			
	Niagara ...	...	...	11 1 6			
	Yerilla ...	...	...	...
			3,973 16 6		3,783 18 10	...	189 17 8
	<i>Revenue Stamps.</i>						
	Menzies ...	380 6 8	...	128 14 4			
	Niagara ...	...	...	...
	Yerilla ...	50 10 3	430 16 11	49 12 6	178 6 10	...	252 10 1
			£18,017 5 3	...	£17,115 11 5	£675 17 0	£1,577 10 10

Total Decrease, £901 13s. 10d.

TABLE H.

Showing the number of Cases heard at Menzies, Niagara, and Yerilla during the year ended 31st December, 1898, as compared with the year ended 31st December, 1897.

Particulars.	1897. No.	1898. No.	Totals.		Increase of	Decrease of
			1897.	1898.		
Warden's Court—						
<i>Plaints.</i>						
Menzies ...	215	90				
Niagara ...	19	21				
Yerilla ...	74	52				
			308	163	...	145
<i>Exemptions.</i>						
Menzies ...	615	180				
Niagara ...	14	39				
Yerilla ...	96	43				
			725	262	...	463
<i>Small Debts Cases.</i>						
Menzies ...	231	175				
Niagara ...	11	2				
Yerilla ...	...	16				
			242	193	...	49
<i>Police Court Cases.</i>						
Menzies ...	288	161				
Niagara ...	50	89				
Yerilla ...	39	35				
			377	285		92
			1,652	903		749

TABLE I.

*Showing ruling rates of Wages paid during year ended 31st December, 1898,
as compared with the year ended 31st December, 1897.*

	Per week, 1897.		Per week, 1898.	
	£	s.	£	s.
Miners, wet shafts (for a shift of eight hours)	...	4 5	...	4 0
Do. dry shafts	...	4 0	...	3 15
Pitmen	...	5 0	...	5 0
Blacksmiths	...	4 10	...	4 5
Engine Drivers	...	4 10	...	4 5
Fitters	...	4 10	...	4 0
Carpenters	...	4 10	...	4 5
Horse Drivers	...	4 0	...	3 10
Brace and Platmen	...	3 10	...	3 7
Tailing Pitmen	...	4 0	...	3 10
Labourers	...	3 6	...	3 7
Truckers	...	3 0	...	3 7
Battery Feeders	...	3 0	...	3 7
Tool Sharpeners	...	4 0	...	4 0

TABLE J.

Showing the average number of Miners employed during 1898, and the total amount of Sinking and Driving done as compiled from "Leaseholders' Quarterly Returns."

MEN EMPLOYED.					
Menzies	...	...	...	...	638
Ularring	...	...	...	...	196
Niagara	...	...	...	...	240
Yerilla	...	...	...	...	149
					1,223
DRIVING.					
Menzies	...	...	...	...	13,230 feet.
Ularring	...	...	...	...	9,508 "
Niagara	...	...	...	...	5,310 "
Yerilla	...	...	...	...	4,940 "
					32,988 feet.
SINKING.					
Menzies	...	...	...	...	8,586 feet.
Ularring	...	...	...	...	6,567 "
Niagara	...	...	...	...	4,792 "
Yerilla	...	...	...	...	2,845 "
					22,790 feet.

TABLE K.

Showing details of Rainfall for the various districts of North Coolgardie for the year ended 31st December, 1898, compared with the year ended 31st December, 1897.

Month.	Menzies.		Niagara.		Yerilla.	
	1897.	1898.	1897.	1898.	1897.	1898.
	Points.	Points.	Points.	Points.	Points.	Points.
January	3	...	...	7	...	8
February	13	93	...	40	...	21
March	2	...	13	...	53	...
April	1	3	3	...	4	...
May	6	35	10	34	6	33
June	257	192	243	141	331	228
July	43	8	19	32	19	19
August	42	92	46	123	70	174
September	25	2	6	...	15	...
October	20	13	13	21	...	10
November	4	5	...	1	4	3
December	43	2	62	14	14	...
	459	445	415	413	516	496

TABLE L.

Showing the number of Births, Deaths, and Marriages, with the rate per thousand, during the year ended 31st December, 1898, as compared with the year ended 31st December, 1897.

Births.				Deaths.				Marriages.			
1897.	1898.	1897.	1898.	1897.	1898.	1897.	1898.	1897.	1898.	1897.	1898.
No.	No.	Rate.	Rate.	No.	No.	Rate.	Rate.	No.	No.	Rate.	Rate.
37	40	6.64	8.5	81	23	14.55	4.89	16	22	2.87	1.68

Broad Arrow Goldfield.—Progress Report for the year 1898.

The Under Secretary for Mines, Perth.

SIR,

I beg to submit, for the information of the Hon. the Minister, the following Report on the Broad Arrow Goldfield for the year 1898.

The outlook at the commencement of the year was far from bright, and matters did not mend, but rather grew worse, until the month of September, when the discovery of alluvial gold at a depth caused a rush to Broad Arrow.

For some months several parties had been prospecting in the neighbourhood of Broad Arrow for alluvial gold at a depth, and about the third week in August Hall and Taylor bottomed on wash near the Government Dam. This, however, did not prove payable, but the existence of wash being demonstrated, many more men came here and prospecting went on with renewed vigour till about the first week in September, when Wheland and Hanks reported payable gold in their shaft, situated about half-a-mile south-west of the town, at a depth of about 50ft. This caused a rush to the place, and the discovery, about a week later, by Benson and party, of their "Golden Hole," further to the southward and on the opposite side of the railway line, caused great excitement. Miners flocked to the field from all parts, and the country was pegged out in every direction for a considerable distance. At one time there could not have been many short of 2,000 men on the lead.

The direction of the lead was thought to be towards Paddington, though many supposed it passed to the southward of the Warden's and the Hospital Reserves, and then turned northward towards the Hill End Mine. The lead proved discouraging, as though several claims got very good gold, the true course of the lead could not be ascertained, and an immense number of duffer shafts were sunk in all directions. A considerable amount of sinking was done along the supposed line, towards the Hill End, but without payable result, as although wash was discovered in some of the shafts it carried no gold. Though a great deal of work was done towards Paddington, the course of the lead could not be traced in that direction,

and those miners who were not on gold became discouraged, and most of them left in December for Bulong and other places, where new finds had been reported. In all, it is estimated that quite 1,000 shafts were sunk. Several of the claims gave splendid results, notably "The Golden Hole," "Hands-Across-the-Sea," and the "Maltese Cross," and a good many proved payable; but generally the lead was very patchy, and a large majority of the miners got no return whatever from their work.

In November, Blackman and Laidlaw reported gold at Smithfield, at a depth of under 20ft., and several others got gold there, but it did not prove payable.

Towards the end of the year prospecting was commenced to the eastward of Paddington, between Smithfield and Broad Arrow, and a lot of prospecting was done in the neighbourhood of Bardoc and Black Flag; but so far no payable results have been obtained.

The discovery of the deep lead caused quite a boom in Broad Arrow for a few months, and business was very brisk; but by the end of the year things got very slack again.

By great good fortune the alluvial ground did not in any way interfere with any of the leases held at Broad Arrow; so there was no trouble between the alluvial miners and leaseholders, like that at Kalgoorlie. The only difficulty which arose was that the alluvial area was within the ground reserved for town extension, but this was got over by having the boundaries of the reserve altered so as to exclude the alluvial area.

Forty-nine new leases were applied for during the year, but a much greater number of the old leases were either forfeited or abandoned, and the total number now on the books is only 200, comprising an area of 2,788 acres; but, although the area of land held under lease has decreased by upwards of 2,000 acres, the amount of auriferous ore treated exceeds that of last year by over 12,000 tons, and the return of gold therefrom shows a total of 24,943ozs. 12dwts. 9grs., or an increase over last year of 10,783ozs., so the reefing prospects of the field may be said to be fairly satisfactory.

The total gold returns from the field for the past year, including alluvial, amount to 27,705ozs. 9dwts. 6grs., as compared with 14,168ozs. 8dwts. 7grs. returned for the year before.

Two new batteries have been erected during the year, and one of the old ones (the Paddington Consols) has increased its plant by 10 head, and the number of stamps now open for crushing upon the field is 195, besides the Hill End Ball Mill, equal to 10-head more.

The water supply is still very deficient. The Government tank at Broad Arrow, with a capacity of 10,000,000 gallons, has been completed during the year, and at one time held about 7ft. in depth of water; but all this unfortunately escaped through a leak, to the great loss of the Government and the community at large.

The general health of the field has been very good. The hospitals at Bardoc and Black Flag have been closed, but the hospital at Broad Arrow has proved more than sufficient for all the requirements of the field.

The Mining Revenue received for the past 12 months is as follows:—

	£	s.	d.
General Revenue... ..	3,573	18	6
Exemption Fees	606	1	0
Survey Fees	361	10	0
Total	£4,541	9	6

The following are the details of business transacted in the Office and the various Courts here during the year:—

Warden's Court, Plaints heard	210
Applications for Exemption heard	144
Local Court, Plaints heard	105
Police Court Cases	112
G.M. Leases applied for (643 acres), 7 being for new ground	49
Mineral Leases applied for (Copper)	1
Quartz Claims ,,	17
Alluvial Claims ,,	20
Protection Areas ,,	25
Residence and Business Areas applied for	11
Water Rights (19 acres) ,,	5
Miners' Rights issued	1,050
Consolidated Rights issued	4
Business Licenses ,,	12
Transfers lodged	69
Caveats ,,	12
Powers of Attorney registered	8

I have, etc.,

LIONEL R. DAVIS,

Warden.

24th February, 1899.

Warden's Report on the North-East Coolgardie Goldfield for the year 1898.

From the Warden of the North-East Coolgardie Goldfield to the Under Secretary for Mines, Perth.

SIR,

I beg to submit the following Report on the North-East Coolgardie Goldfield for the year ending 31st December, 1898, for the information of the Honourable the Minister for Mines:—

1. *Lease Mining.*—I regret to say that during the year this class of mining fell off very considerably. Nearly all the big companies ceased active operations, and obtained exemption from the labour conditions; however, nearly all their mills have been kept constantly going in crushing ore for the alluvial claimholders, and in this way a good number of men have been kept employed, notwithstanding the exemptions. Two companies may be mentioned as notable exceptions, namely, the White Feather Main Reefs, Limited, of Kanowna, and the Queen Margaret Gold Mining Company, of Bulong. These companies have worked their properties continuously throughout the year, doing sound development work, employing a large number of men, and obtaining excellent results to reward their enterprise and perseverance. In many cases the cause of the stoppage of work seems to be due more to the want of working capital and to the ill-advised expenditure incurred in erecting costly machinery, before either payable ore or a sufficient water supply were obtained than to the mines being proved valueless. It is very likely that several of these properties will yet be worked profitably, but different methods will have to be adopted. Subjoined are tables marked A, B, C, D, E, F, G, H, I contain statistical and other information relating to the goldfield.

2. *Alluvial Mining.*—It is pleasing to note that this branch of the mining industry has been remarkably prosperous, and has developed to a most important extent. The original deep lead discovered on the Fitzroy Lease in 1897 proved surprisingly rich; one claim (the Klondyke of 150ft. by 150ft.) yielded nearly 10,000 ounces of gold, of an average value of nearly £4 per ounce. Many other claims were proportionately rich. The extension of these workings led to the discovery of the North lead, where many real good claims have been worked. Then other discoveries followed, including "The Q.E.D.," "Six-Mile," "Golden Valley," "Moonlight," and some minor leads. These discoveries induced prospecting in other localities than Kanowna, with the result that alluvial gold in deep leads was found at Bulong, Mulgabbie, Mount Monger, and also on other goldfields. The following figures show the approximate yield of gold for the year:—

KANOWNA.

	ozs.	dwts.	grs.
(1.) Alluvial gold	63,548	0	10
(2.) Quartz, from 24,858 tons ore	20,891	18	3
(3.) Cement ,, 45,983 ,,	68,183	10	22
(4.) Dollied... ..	22	0	0
	152,645	9	11

BULONG.

(1.) Alluvial gold	6,165	0	0
(2.) Quartz, from 10,431 tons ore	9,980	0	0
	16,145	0	0

KURNALPI.

(1.) Alluvial gold	1,228	15	20
(2.) Quartz, from 947½ tons ore	660	16	22
(3.) Dollied... ..	151	1	12
	2,040	14	6

Grand total	170,831	3	17
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This gold, valued at the fair average price of £3 17s. 6d. per oz., amounts to the sum of £661,970. It may here be noted that these figures refer to gold actually accounted for; but, despite every effort to obtain correct records, it is certain that a considerable quantity of gold is obtained which is not recorded.

Great numbers of people were attracted to Kanowna by the discoveries of alluvial gold: At one time the population in and around the town was about 12,000; many of them were disappointed and left for other places, but those who remained are, on the whole, doing very well.

In connection with the alluvial leads, a matter of much importance is the immense deposits of auriferous clay or pug which are known to exist, and which cannot be profitably treated by any known gold-saving appliances, unless the ore contains more than 15dwts. of gold to the ton. Much attention is being given to the subject, and hopes are entertained that out of the many attempts to solve the difficulty some one will prove successful. Another point relating to these workings is this—a good number of persons hold the opinion that alluvial deposits on the North lead overlap valuable lode formations, and it is argued by these people that the lodes cannot be successfully worked unless leases of the land

are granted; they say that although amalgamation of claims might be obtained, yet the large number of men required to hold them, and the objection investors have to the titles based on this system, prevent those who have the means from undertaking the development of the lodes. On the other hand, numbers of alluvial miners are opposed to leasing the land, for the reason that they are of opinion it is alluvial ground, and that the lode theory has been advanced with the view to enable speculators to secure large areas of land for flotation purposes. It may be stated that at present the alleged lodes are not sufficiently defined or exposed to enable anyone but a geologist to say what is their true nature. During the year a good deal of trouble arose at Bulong between lessees and alluvial miners regarding their respective rights to mine on leased land; it remains to be proved whether the recent legislation on the subject has effectually disposed of the difficulties previously existing.

The Department purchased a battery with 20-head of stampers at Bulong to crush ore for the public. At the end of the year it was not in readiness to begin work; no doubt it will be kept fully employed when it gets started and will prove a great boon to the alluvial miner, and in a lesser degree to the reef miner also. The railway from Kalgoorlie to Kanowna was taken over from the contractors by the Railway Department in June last, and has proved of great benefit to the community and to the mining industry. A few substantial stone buildings were erected during the year, including the new post and telegraph offices, the Australia and Occidental hotels, and the railway station and officers' quarters.

The rainfall for the year was light, about seven inches; this was not sufficient to leave water in the lakes or to fill the Government reservoirs situated at Bulong and Kanowna. The price of condensed water is now 8s. per 100 gallons at Kanowna; at outside places it is more expensive.

The cutting of firewood for mining and condensing purposes is causing the disappearance of timber around the chief centres of population, and in some cases firewood is now carted four or five miles.

In conclusion, I think there are many reasons to be satisfied with the state of the mining industry on this goldfield at the end of the year. The large yield of gold from different sources and various places is highly gratifying, and is indicative of the great future possibilities of the field. The attached statistics and statements will furnish details.

I have, etc.,
P. TROY,
Warden.

2nd May, 1899.

TABLE A.

NORTH-EAST COOLGARDIE GOLDFIELD.

Return showing the number of Leases, Mines, Batteries, Crushing Machines, and Miners' Rights, with the Total Quantity of Gold produced, and other data, for the year ending 31st December, 1898.

PLACES WHICH CONTAIN WARDEN'S OR REGISTRAR'S OFFICE.

	Kanowna.	Bulong.	Kurnalpi.
Total Gold yield for year ending 31st December, 1898	152,655 ozs.	16,145ozs. 14dwts.	2,041 ozs.
Number of Leases granted	27	23	6
Area of Leases granted	316	303	66
Protection Areas	28	...	5
Number of	Residence Areas	73	2
	Business do.	36	...
	Machine do.	5	...
	Market Garden Areas	1 (poultry)	...
	Quartz Claims	14	3
	Alluvial Claims	190	48
	Water Rights	15	1
	Miners' Rights	3,531	161
Approximate number of Miners in Quartz or other rock	433	450	20
Approximate number of Miners in Alluvial	4,000	800	70
Number of Batteries	17	3	3
Do. Head of Stampers	197	50	10
Number and description of other Ore-crushing Mills	2 Huntingdon	3 Puddlers	
	2 Griffin		
	4 Puddlers		
Number of Cyanide Plants	1		
Average Annual Rainfall	7 inches 1 point		
Rate of Wages—Enginemens and Mechanics	£4 10s. to £5 10s.	£4 10s. to £5	£5
Do. Clerks	£4	£4 to £5	Nil.
Do. Miners	£3 10s. to £4 10s.	£4	£4
Do. Labourers	£3 to £3 10s.	£3	£3 10s.

TABLE B.

NORTH-EAST COOLGARDIE GOLDFIELD.

Return showing the Position, Means, and Cost of Transit thereto; also Mail and Telegraph Service, Cost of Living, and Estimated Population on 31st December, 1898.

OFFICIAL CENTRE—KANOWNA.

Estimated Population (Average)	5,000 (within radius of five miles).
Name of nearest Railway Station and Distance by Road thereto	Local.
Name of Ports from which the Field is served, and their Distance by Rail to above Railway Station	Fremantle, 400 miles; Albany, 640 miles.
Goods Freight by Rail per ton	From Fremantle, 19s. 7d. to £7 15s. 7d.; from Albany, £1 8s. 4d. to £10 7s. 7d.
Passenger Rates by Rail from Port to Railway Terminus	From Albany, 1st single, £5 1s. 2d.; 2nd ditto, £3 3s. 3d. From Fremantle, £3 6s. and £2 1s. 1d.
Mail Service from Perth to Official Centre ...	Daily.

OTHER CENTRES AND TOWNS.

	Gordon.	Vosperton.	Mulgarrie.	Kanowna.
Distance from Official Centre	12 miles	24 miles	20 miles	
Estimated Population	40	40	31	5,000
Means and Cost of Transit from Official Centre	Coach, 5s.	Coach, 12s. 6d.	Teams	
Mail Service	Weekly	Weekly	Tri-weekly	
Telegraphic Communication	None	None	None	Yes
Cost of Living per week in (1) Hotels	£2	£2	£2 10s.	35s.
Do. do. (2) Boarding Houses	None	None	None	25s.
Cost per pound of Flour	3d.	3d.	4d.	2d.
Do. Tea	1s. 6d.	1s. 6d.	1s. 6d.	1s. 3d.
Do. Sugar	3½d.	3½d.	3d.	3d.
Do. Meat (fresh, salt, and tinned)	From 9d.	From 9d.	From 1s.	From 8d.
Cost of Bread per 4lb. loaf	1s. 8d.	1s. 8d.	1s. 8d.	1s.
Cost of Water per gallon, and per 100 gallons	3d. and £1	3d. and £1	2d. and 15s.	2d. and 8s.
Source of Water Supply for Domestic purposes	Condenser	Condenser	Government well	Condenser
Hospitals, State Schools, or Places of Worship existing	None	None	None	Yes

TABLE C.

NORTH-EAST COOLGARDIE GOLDFIELD.

Return showing the Position, Means, and Cost of Transit thereto; also Mail and Telegraph Service, Cost of Living, and Estimated Population on 31st December, 1898.

OFFICIAL CENTRE—BULONG.

Estimated Population	1,500.
Name of nearest Railway Station and distance by Road thereto	Kanowna.
Name of Ports from which the Field is served, and their Distance by Rail to above Railway Station	See Kanowna sheet.
Goods Freight by Rail per ton	Do. do.
Do. by Road per ton	£2.
Passenger Rates by Rail from Port to Railway Terminus	See Kanowna sheet.
Passenger Rates by Coach from Terminus to Official Centre	7s. 6d.
Mail Service from Perth to Official Centre ...	Daily.

OTHER CENTRES AND TOWNS.

	Taurus.	Mt. Monger.	Ballagundi.	Bulong.
Distance from Official Centre	22	33	10	
Estimated Population	15	25	20	1,500
Means and Cost of Transit from Official Centre	Buggy	Coach, 15s.	Coach, 2s. 6d.	
Mail Service	Bi-weekly	Fortnightly	Daily	
Telegraphic Communication	None	None	None	Yes.
Cost of Living per week in (1) Hotels ... ..	...	35s.	...	32s. 6d.
Do. do. (2) Boarding Houses	...	...	...	25s.
Cost per pound of Flour	3d.	3d.	3d.	3d.
Do. Tea	1s. 6d.	1s. 6d.	1s. 6d.	1s. 6d.
Do. Sugar	3d.	3d.	3d.	3d.
Do. Meat (fresh, salt, and tinned)	1s.	1s.	1s.	1s.
Cost of Bread per 4lb. loaf	1s. 2d.	1s. 2d.	1s. 2d.	1s. 2d.
Cost of Water per gallon, and per 100 gallons	2d. and 12s. 6d.	2d. and 15s.	2d. and 12s. 6d.	2d. and 12s. 6d.
Source of Water Supply for Domestic purposes	Condenser	Condenser	Condenser	Condenser.
Hospitals, State Schools, or Places of Worship existing	None	None	None	Yes.

TABLE D.

NORTH-EAST COOLGARDIE GOLDFIELD.

Return showing the Position, Means, and Cost of Transit thereto; also Mail and Telegraph Service, Cost of Living, and Estimated Population on 31st December, 1898.

OFFICIAL CENTRE--KURNALPI.

Estimated Population	120.
Name of nearest Railway Station and Distance by Road thereto	Kanowna.
Name of Ports from which the Field is served, and their Distance by Rail to above Railway Station	See Kanowna Sheet.
Goods Freight by Rail per ton	Do. do.
Do. by Road per ton	£3 10s., Camel Team.
Passenger Rates by Rail from Port to Railway Terminus	See Kanowna Sheet.
Passenger Rates by Coach from Terminus to Official Centre	35s.
Mail Service from Perth to Official Centre ...	Bi-weekly.

OTHER CENTRES AND TOWNS.

	Jubilee.	Mulgallie.	Kurnalpi.
Distance from Official Centre	14 miles	36 miles	
Estimated Population	15	25	80
Means and Cost of Transit from Official Centre	Coach, 15s.	Teams	
Mail Service	Bi-weekly	Weekly	Bi-weekly
Telegraphic Communication	None	None	Yes
Cost of Living per week in ⁽¹⁾ Hotels	None	None	£3
Do. do. ⁽²⁾ Boarding Houses	None	None	None
Cost per pound of Flour	3d.	4½d.	4½d.
Do. Tea	1s. 6d.	1s. 6d.	1s. 6d.
Do. Sugar	3½d.	3½d.	3½d.
Do. Meat (fresh, salt, and tinned)	From 1s.	1s. 3d.	From 1s.
Cost of Bread per 4lb. loaf	1s. 2d.	1s. 6d.	1s. 4d.
Cost of Water per gallon, and per 100 gallons	3d. and 25s.	3d. and 25s.	3d. and 25s.
Source of Water Supply for Domestic purposes	Condenser	Condenser	Condenser
Hospitals, State Schools, or Places of Worship existing	None	None	1 Hospital

TABLE E.

Statistics, Kurnalpi District, 1898.

Number of Leases applied for	6
Area of Leases applied for	66 acres
Number of Leases existing 31st December	32
Area of Leases existing 31st December	476 acres
Number of Miners' Rights issued	161
„ Prospecting Areas registered	5
„ Water Rights registered	1
„ Business Areas registered	3
„ Machine Areas registered	1
Yield of Gold (milled)	550 ounces
„ Alluvial (no record).	

TABLE F.

Statistics, Bulong District, for 1898.

	1898.	1897.
No. of Miners' Rights issued	682	239
„ Business Licenses issued	6	5
„ Transfers (Leases)	4	63
„ „ (Holdings)	30	25
„ Caveats registered	4	25
„ Liens „	9	8
„ Injunctions „	28	
„ Plaints „	89	131
„ Leases applied for	23	57
Area of Leases „	303 acres	1,115 acres
No. of Leases existing 31st December	50	144
Area of Leases „ „	765 acres	
No. of Alluvial Claims registered	48	
Estimated Population, 31st December	1,600	1,450
„ No. of men employed on Leases	300	635
„ „ „ Alluvial	1,000	350
Yield of Reef Gold	9,980 ozs.	8,869 ozs.
„ Alluvial	6,165 ozs.	1,260 ozs.
No. of Batteries erected	3	5
„ Stamps	50	65
Other Machines=3 Puddlers.		

TABLE G.

Nuggets of Gold discovered in the North-East Coolgardie Goldfield during the Year 1898.

KANOWNA DIVISION.

Name of Finder—	Weight.		
	ozs.	dwt.	grs.
Michael Brodie	23	10	0

BULONG DIVISION.

Names of Finders—			
Dawson and Party	75	0	0
Humphries and Party	41	0	0
Fowler and Party	31	0	0
Rampling and Party	53	0	0
Byrne and Party	80	0	0
Wood and Party	24	0	0
C. Green	16	0	0
P. Madden	9	0	0

KURNALPI DIVISION.

Names of Finders—			
Simmons and Hart	109	10	0
Mallock and Carter	22	0	0
M. McCardey	23	0	0
Hastedt and Party	20	0	0
Do.	21	0	0
“Happy Jack” (2 totalling)	15	0	0
Murphy and Party	22	0	0
Cornelius Bourke	11	0	0

TABLE H.

Mining Revenue, 1st January, 1898, to 31st December, 1898.

District.	Particulars.	Amount.	
		£	s. d.
Kanowna	Lease Rental under Mineral Lands Act	2	7 6
	Other Sources do. do.	4	3 0
	Lease Rental under Goldfields Act	1,767	15 0
	Other Sources do. do.	2,636	6 6
	Exemption Fees	586	1 0
	Survey Fees	559	10 0
	Receipts, all other Sources: Deposits	375	0 0
		5,931	3 0
Bulong	Receipts under Mineral Lands Act	Nil	
	Lease Rental under Goldfields Act	746	0 0
	Other Sources do. do.	807	18 1
	Exemption Fees	181	12 0
	Survey Fees	118	10 0
		1,854	0 1
Kurnalpi	Receipts under Mineral Lands Act	Nil	
	Lease Rental under Goldfields Act	432	0 0
	Other Sources do. do.	292	4 0
	Exemption Fees	91	13 0
	Survey Fees	69	10 0
		885	7 0
	Total...	£8,670	10 1

TABLE I.

MACHINERY RETURN FOR 1898.

Summary.

Description of Machinery.	Num-ber.	Estimated Value erected at Mine.
Steam Engines employed in Mining of 413 aggregate actual horse-power	26	
Steam Boilers employed in Mining of 380½ do. do.	21	
Steam Engines employed in Reduction of 590 do. do.	22	
Steam Boilers employed in Reduction of 650 do. do.	26	
Oil Engines	1	
Pumps (Cornish lift or plunger)	10	
Steam Pumps	37	
Tailings Pumps	12	
Single Winding Gear	3	
Double Winding Gear	17	
Whims	...	
Whips	21	
Rock Drills	2	
Air Compressors	...	
Stone-breakers	10	
Crushing Mills (Stamper Batteries), Active...	13	
Number of Heads of Stampers	180	
Crushing Mills (Stamper Batteries), Hung up	5	
Number of Heads of Stampers	40	
Crushing Rollers	...	
Direct Acting Steam Stampers	3	
Huntington Mills...	2	
Otis and other Ball Mills	2	
Berdan Pans	14	
Wheeler's Pans	1	
Settlers and other Amalgamating Pans	19	
Arrastras	...	
Brown and Stanfield's Concentrators	...	
Percussion and Shaking Tables	2	
Vanners	...	
Agitators	...	
Settling Tanks	70	
Rolling Vats	...	
Amalgamators and Amalgamating Barrels, Tables	2	
Jiggers	...	
Spitzkasten	...	
Revolving Screens	...	
Classifiers	...	
Furnaces (Reverberating)	...	
Furnaces (Cupelling)	3	
Water Jackets	...	
Refining Furnaces	2	
Fan Blasts	...	
Chlorination Vats	...	
Cyanide Vats	11	
Filter Presses	...	
Endless Chain Trams, Overhead	1	
Dams and Reservoirs	6	
		£ 72,740 0 0

Warden's Report on the East Coolgardie Goldfield for the year 1898.

From the Warden, East Coolgardie Goldfield, to the Under Secretary for Mines, Perth.

SIR,

My Report, which I now have the honour to forward for the information of the Honourable the Minister for Mines, cannot be considered anything but satisfactory, as showing the progress of this goldfield during the past year.

I shall first take each mine separately, with a view to describing the work which has been effected both on the surface and underground.

The Associated (Australia).—Previous to 1898, the machinery erected on this mine consisted of three Huntingdon's, four ball-mills, and extensive cyanide plant. Roasting furnaces, dry-crushing, and further cyanide plant are in course of erection, estimated to be capable of treating 300 tons daily. This mine has been proved to a depth of 500 feet, and the developments here are equal, if not better, to anything opened up at the upper levels. This property has a grand future, the bodies of ore being of immense size and rich in proportion.

The Golden Horseshoe.—On this mine a 20-head battery and cyanide plant have been erected, and the management contemplate building a sulphide plant shortly. Here the developments underground have been very satisfactory, and this property has taken its place as one of the leading mines on the field. At the 300-ft. level the lode is 8ft. wide and averaging from 4ozs. to 5ozs. per ton.

Great Boulder Proprietary.—A plant for treatment of tailings, slimes, and refractory ores is being erected, this being carried out by Mr. Koneman, and if successful will be of great advantage to many mines producing low-grade ore. The main shaft has been sunk on this mine to a depth of 600ft., and the lode has been proved to the 500-ft. level, carrying gold equal to anything yet discovered.

Hannan's Brown Hill.—Extensive works have been built here, consisting of a cyanide plant combined with the Pape-Hamburg process. This mine is producing gold in large quantities and treating very high-grade ore.

Kalgurli.—On this mine a large plant is in course of erection, consisting of dry-crushing with ball mill, roasting furnace, and cyanide plant. This property has been well proved before any expenditure has been incurred in machinery and plant, and before the end of the year will be classed among the gold-producing mines. Hitherto the ore has been sent to South Australia for treatment. The bottom level of this mine is at 420ft., and the reef here is 30ft. wide, with a value of 2ozs. per ton.

Kalgoorlie Bank of England.—On this property cyanide and dry-crushing plant and Huntington mills are in course of erection.

Lake View Consols.—Here the battery has been enlarged by 10 heads, filter presses have been provided, and a smelting plant capable of treating 100 tons daily is being erected. Considerable difficulty has arisen concerning the treatment of the ores in this field, and in this direction the management of this mine has been of great service in solving the various problems. I am unable to give the width and value of the lode at the bottom level, having been unable to obtain the necessary information.

Mount Charlotte.—A 10-head battery and Berdan pan have been erected on this property.

Great Boulder Perseverance.—In this mine at the 300ft. level a lode 20ft. wide has been met, averaging 2ozs. per ton. The company have decided to erect a cyanide and sulphide plant, which works have been commenced.

Hannan's Star.—Ball mills and cyanide plant are being erected.

Great Boulder Main Reef.—In addition to the 10-head battery already placed on this property, a cyanide plant and roasting furnaces are in course of erection. The average value of the lode at the 300ft. level is 1½ozs. to the ton.

The Ivanhoe.—This great mine has been increasing its monthly output of gold, and the ore-bodies have kept up their high average. Extensive cyanide plants have been erected. There are two lodes at 300ft. level—one 6ft. and the second 5ft. wide, averaging 1½ozs. to the ton. This mine has a magnificent future, being one of the best on the field.

I am pleased to be able to state that the mines at the north end of this field are developing satisfactory, lodes averaging from 15dwts. to 25dwts. per ton having been struck, and, although not of any great width yet, as they go down the ore-bodies improve, and I think that during the ensuing year some of the mines in this locality will rank amongst the gold producers. The Golden Zone, Hannan's North, Star of the West, and Reefers Eureka are doing good work. The crushings from Hannan's Reward have maintained a good average, one returning as high as 4ozs. to the ton.

The most satisfactory result of the year's work has been to show that as the mines are opened up at the deeper levels, so do the ore-bodies continue in richness, in some instances being of more value than at the upper levels. I feel diffident to state here what I consider will be the result in the future, in case I may be thought to express too high an opinion, but I can only say, let people come to this field and look for themselves, and after a thorough examination I will challenge them to say I may be exaggerating.

The output of gold from this field for 1898 was 419,641ozs. 12dwts. 8grs. from 262,676 tons 15 cwt. of ore, being an average of 1oz. 11dwts. 22grs. per ton, a large increase on the previous year.

I do not hesitate in stating that the monthly output before the end of 1899 will exceed 100,000ozs. a month, more than the whole colony was producing at the commencement of 1898. Another satisfactory result is that our mines are rapidly coming to the stage of investment and that the days of speculation are vanishing.

Among the other mines, the Oroya, Brookman's Boulder, Central Boulder, Lake View South, Hainault, North Kalgoorlie, South Kalgoorlie, Block 45, and Golden Link have been doing good work. The first four have crushed regularly during the 12 months. I predict a great future for the South Kalgoorlie, which mine will come to the front within the next 12 months.

The value of the machinery on this field at the end of 1898 amounts to the large sum of £350,000. This does not represent the full cost; I am of opinion that £500,000 is nearer the mark. The large sums spent on machinery prove conclusively the valuable resources beneath the surface; as many companies have done nothing, except what is absolutely necessary above ground, until they have developed their mine to such an extent as to warrant the erection of costly works.

There are three matters of vital importance connected with the mining industry to which it would be well for the Government to direct their earnest attention, namely, water, fuel, and settlement on the land. As regards water, the Government are making every exertion in proceeding with the vast work of bringing fresh water to the goldfields. I need not state here the advantage of this boon to the miners themselves; but, as I estimate that it costs every family on the fields on an average of £25 a year for water, it will be easily seen what a saving to the miners it will be to obtain good water at a reasonable cost. In estimating the cost at £25 a year, the supply obtained is only what is absolutely necessary, and not sufficient for all purposes. *Re fuel*:—The country within carting distance from the railway is rapidly getting denuded of timber, and even now supplies are being obtained from a considerable distance beyond Coolgardie. I strongly urge upon the Government the advisableness of carrying Collie coal (if this prove suitable) at as low a rate as possible by the railway. If the coal is not of a quality which will be of service for use in the furnaces and engines, then I would advise that light lines of rails be laid from the trunk line to tap the timber country in all directions. The scarcity of timber will be a serious matter in the near future.

Settlement on the Land.—In my report for 1897 I called attention to this subject, and I am pleased to see that the Government are taking the matter in hand, and have instituted the free-area system at a rental of £1 and 10s. a year; but I consider that a miner's right, which enables a man to peg and hold a claim, should also entitle him to obtain a quarter-acre of land on which to build a home, and to which he could bring his wife and family. The Government may lose the upset prices of the ground, but the other avenues through which a man with a family brings revenue would amply repay the country. The system of marking out areas in certain localities for miners, so as to enable them to mark off the leases, is a good one, so long as the ground is used for that purpose only.

A Court of Mining Appeal is urgently required on the goldfields. Under the present system the delays are irritating, and the expense is beyond the means of most people. There are many properties on this field at the present time which have been worked to a certain extent, and abandoned on account of the capital being expended. From the late developments of our principal mines and encouraging prospects, I am of opinion that it would be well worth the while of capitalists to take them in hand, as I feel sure that many of them would bring the investor a handsome reward.

I will now turn to the work that has been done in the Office during the year, and also the revenue received from this goldfield:—

Gold Mining Leases in force	...	...	...	...	541		
Acreage	...	...	...	...	8,498	acres	
Leases applied for during year	...	...	...	...	28		
					a.	r.	p.
Acreage	...	...	...	...	386	3	2
With three exceptions, there are Forfeited Leases re-applied for.							
Poultry Farms in existence	...	...	16	...	38	3	28
Applied for during year	...	...	8	...	20	0	0
Garden Areas in existence...	...	...	17	...	48	2	27
Granted during year	...	...	3	...	13	2	28
Water Rights granted	...	...	4	...	48	3	17
<i>Residence Areas:</i>							
Kalgoorlie	...	...	...	...	74	Residence Areas	
Do.	...	...	...	...	1	Business Area	
Do.	...	...	...	...	1	Free Area	
Boulder	...	...	...	...	6	Residence Areas	
Do.	...	...	...	...	45	Free Areas	
Miscellaneous	...	...	...	...	7		
Miners' Rights issued	...	...	...	...	3,260		
Do. consolidated	...	...	...	...	7	for 47 men	
Business Licenses	...	...	...	...	58		
Transfers of G.M. Leases	...	...	...	...	57		
Caveats	...	...	...	...	16		
Liens	...	...	...	...	41		
Injunctions	...	...	...	...	16		

Residence Areas—continued :

Plaints	221
Powers of Attorney	52
Agreements	3
Applications for Exemption	354
Protections	362
Transfers of Authorised Holdings	412

Mineral Lands Act :

Leases in existence	40	Acres	592	3	7
Applied for during year	9	„	111	0	5
Transfer of Leases	5				
Mining Licenses issued	19				

Revenue :

	£	s.	d.
Mining Revenue (including Warden's Court Fees, Engine-drivers' Certificates, and Exemption Fees)	11,432	0	9
Deposits on Plaints	375	0	0
Bailiffs' Fees	165	9	6
Survey Fees	579	15	0

This does not comprise all the revenue received for this Goldfield, as a large proportion of the rents are taken in Perth.

Internal Revenue :

	£	s.	d.
Judicial Court Fees	560	14	8
Local Court	716	9	4
All other sources	5,594	17	8
	<u>£6,872</u>	<u>1</u>	<u>8</u>

Customs :

Beer Duty	£1,901	0	10
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Land :

All sources	£11,075	3	3
Total	<u>£19,848</u>	<u>5</u>	<u>9</u>

I estimate the population of this field to be 25,000. A large proportion of the miners have brought their wives and families over from the neighbouring colonies.

The health of the towns and district shows a decided improvement. Typhoid fever has not been in evidence so strongly as in previous years. I attribute the decrease to improved sanitary measures, a better class of buildings, together with large supplies of fruit, vegetables, fresh provisions, and fish.

The public buildings will soon be ready for occupation. When completed they will be a credit to this important field, and be a boon both to the public and to the officials.

Both Kalgoorlie town and the Boulder show steady signs of improvement.

Visitors to these important centres cannot fail being struck with the handsome buildings, wide macadamised streets, and trees which have been lately planted, and which are growing rapidly and strongly along the footpaths. Both the above-mentioned towns are of recent date, yet their progress has been of a marvellous nature.

Although the department under my control has been retrenched, yet the officials who remain have cheerfully undertaken the extra work which this has caused, and have performed their duties to my entire satisfaction.

I now, Sir, bring this report to a conclusion, hoping that it may be of some service in describing the growth, developments, and importance of this great goldfield during the year which has just passed.

I have, etc.,

FRED. HARE,

Warden, East Coolgardie Goldfield.

Kalgoorlie,
8th May, 1899.

*Warden's Report on the Yilgarn Goldfield for the year 1898.**To the Under Secretary for Mines, Perth.*

Southern Cross, 23rd March, 1899.

SIR,

I have the honour to report on the progress of this Goldfield for the year 1898.

The Yilgarn Goldfield continues to do more than hold its own. During the year Fraser's Mine has kept up continual crushing, and at Mount Jackson the battery has crushed constantly. Fraser's South Mine will presently be in a position to start work again, and the Fraser's South Extended Mine has reached a very high average yield of gold to the ton, and after many difficulties has been piloted through to success. The Central Gold Mine is also still working, and it is expected presently to undertake extensive operations for development.

Hope's Hill, three and a-half miles from Southern Cross, has already begun on a very large scale, both as regards development and machinery, etc., and will have more effect in stimulating mining and trade than anything for some years past, and the largest battery on the field will be placed there.

Greenmount (two miles distant), Tarcoola and Golden Rock and Blackbourne (six miles distant), still are pushing on their development work, and Fraser's West Mine, near Southern Cross, is expecting to put on a large battery at the mine shortly. At Mount Jackson (110 miles distant by the old road), the Mount Jackson Mines Co. crush constantly, and employ a large number of men; and the Associated Mines there contemplate erecting a very large battery as soon as possible, which will increase the population and importance of the place immensely. Other leases also are likely to be worked when the second battery starts in the vicinity.

At Parker's Range some mining still continues, and cyanide plants are in constant work on the tailings there, with excellent results—in fact, next in importance to the expected starting of three 40 head batteries are the cyanide plants, which have latterly been in full swing. This is the first organised attempt of the kind on this goldfield, and is likely to increase the gold output and the population and importance of the field.

Some alluvial continues to be obtained both at Southern Cross and Parker's Range.

A number of people are anxious to obtain business areas at Hope's Hill and form the nucleus of a township; but as yet this is not warranted, owing to its proximity to Southern Cross. When population gathers there it will be time enough to consider such applications.

There are many reefs on this field that would pay well if taken up and worked economically, and which are lying untouched. No doubt, in time, and with the aid of the Coolgardie Water Scheme, they will all be helping the gold output of the field.

With regard to the gold output, a good deal of gold leaves the field and is not recorded. The output for the year 1898 was 11,819 ozs. 10 dwts. 13 grs., but, with three large batteries to be erected, the gold production should rise immensely. The Hope's Hill battery alone should cause an enormous increase. The miners' rights issued were 107; business licenses, 9; tailings areas, 4, besides transfers and other Warden's Court business, including exemptions and protections.

Altogether the field shows great steadiness, and is sound and reliable, and has before it an increase in batteries, etc., gold production, population, and trade that will make themselves felt, and add to the importance of the district and the wealth of the Colony.

VICTOR BLACK,
Warden.

*Warden's Report on the Dundas Goldfield for the year 1898.**To the Under Secretary for Mines, Perth.*

SIR,

Norseman, 31st December, 1898.

For the information of the Honourable the Minister for Mines, I have the honour to submit my Report on the Dundas Goldfield for the year 1898.

Notwithstanding a few disappointments, the progress made generally during the past year has been eminently satisfactory. The period was a critical one in the history of the field, as the crushing plants erected on most of the mines were brought into use. In one or two instances the result was not up to expectations, and operations were suspended. On the other hand, many properties gave good returns, and the machinery for reducing the ore was increased. The extent of the advancement made is shown by the fact that 30,986 tons have been milled for a yield of 36,792ozs. 14dwts. 20grs. of smelted gold during the past twelve months, as compared with 13,690 tons crushed for 17,092ozs. in 1897. Two companies have paid dividends, a sum of £22,000 being so distributed. At present a lot of attention is being directed to better equipping the producing mines, and the consequence will be more economical work and larger profits. Under such circumstances, it was only to be expected that the town would benefit. There has not, of course, been a total absence of the depression that has prevailed throughout the Colony, but business all round has been sound. I should like to emphasise the fact that there is every evidence of the activity in mining circles continuing, and that the prospects of the town and district for the coming year are, accordingly, more settled, and brighter than they have ever appeared before.

GOLD MINING LEASES.

During the past year 29 leases have been registered, comprising an area of 474 acres, and of this amount 200 acres were entirely new ground. The balance of 274 acres consisted of ground previously held, but forfeited. There are now 124 leases in force.

Although the number of men working their own leases is small, there is a healthy increase in the number of hands employed by the mining companies, compared with last year. The more settled conditions of the industry promise still further additions to the ranks of the wage-earners of the district.

The following Schedule shows the statistics arranged under the various headings:—

Leases in force	124
Acreage of same	1,470
Men employed	about 500
Water rights in use (of one acre each)	45
Water rights in use (with a total area of 448 acres)	35
Machine areas (comprising 61 acres)	13
Tailings areas (comprising 34 acres)	8
Residence areas occupied	70
Business areas occupied	18
Miners' Rights issued	388
Business Licenses issued	15
Warden's Court Plaints	26
Exemption Applications	112

JUDICIAL.

Cases in Petty Sessions	156
Local Court Actions	62

Following is a list of the ore reduction plants on the field at the end of the year:—

Name of Mine.	Nature of Machinery.	Number of Stamps or Equivalent.
Norseman Gold Mines, Limited ...	Two Krupp Ball Mills	20
Do.	Stamp Battery	20
Princess Royal	Do.	20
Do.	Three Cyanide Vats	
Lady Mary	Stamp Battery	20
Desirable	Do.	20
Mawson's Reward	Do.	15
Three Colonies	Huntington Mill	8
Do.	Langley Dry Crusher and four Cyanide Vats	5
Hinuemoa	Stamp Battery	10
St. Agnes	Do.	10
Norseman Gold Extracting Com- pany	Do.	10
Norseman Gold Extracting Com- pany	Five Cyanide Vats	
New No. 1 North Norseman ...	Stamp Battery	10
Do.	Four Cyanide Vats	
Albemarle	Stamp Battery	10
Government Battery	Do.	10
Break o' Day	Do.	5
Fowlers	Do.	5
Mount Benson	Do.	5
Do.	Saunders' Rapid Ore Crusher	3
Pathway, Baldania	Do.	6
Norseman Reward	Do.	6
Little Wonder	Do.	6
Queensland Norseman	Stamp Battery	3
	Total	227

Of the machinery enumerated the following are the additions made during the year:—Norseman Gold Mines, 20-stamp battery; Lady Mary, 20-stamp battery; Princess Royal, 10 head of stamps; Hinemoa, 10-stamp battery; Albemarle, 10-stamp battery; Desirable, 10-stamp battery; New No. 1 North Norseman, cyanide plant; Fowler's, 5-stamp battery; Break o' Day, 5-stamp battery; Mount Benson, cyanide plant.

At the Norseman Gold Mines crushing till now has been done exclusively by the Krupp Ball Mills. Latterly, however, a 20-stamp battery has been erected, and it is expected to start work in January. The stamps are 1,060lbs. in weight, and the heaviest in the Colony, being specially provided to treat the hard quartz in the reef. It is estimated that the battery will crush at least 70 tons per day.

This amount and that treated by the Ball Mills are calculated to make a total of 3,000 tons per month.

Ample provision has been made to meet the heavy demand, and the mine has been thoroughly equipped to reduce labour to a minimum. A rock drilling plant of six drills is being installed to expedite the work of opening up, and an electric lighting system is to be introduced immediately. The object has been to reduce the working cost to a level at which low-grade ore can be treated profitably, and vast quantities of quartz opened up, but hitherto left standing, will in future be worked. Under the new system the reef from end to end of the property will, it is thought, pay for treatment, and with workings scattered along its course for a distance of three-quarters of a mile, there is no doubt of the demands of the mills being satisfied. It is further contemplated to add a large cyanide plant to the gold-saving appliances. To date a total of 12,070 tons has been crushed from the mine, for a yield of 13,001oz. 7dwts. 11grs. As showing the output for the past year, the following table is interesting:—

MILLED.

Quarter.	Ore treated.	Gold won.			Average.		
		tons.	ozs.	dwts.	grs.	ozs.	dwts.	grs.
March	2,131	1,663	13	3	0	15	15
June	2,387	2,863	17	0	1	4	0
September	2,313	2,534	15	18	1	1	22
December	2,753	3,085	19	17	1	2	10
Totals	9,584	10,148	5	14	1	1	4

The gold is valued at £3 12s. per ounce.

The satisfactory results obtained from the Princess Royal in 1897 have been maintained. An additional 10 head of stamps were brought into use in September, and the monthly yield has risen to over 1,200ozs.: a record for the field. Notwithstanding the increased tonnage put through, a high average has been kept up; what little depreciation has taken place being explained by the suspension of the work of cyaniding the tailings. Here also plans for better equipping the surface are under consideration. A new boiler, condensing plant, and large Cornish lift are now being erected, the latter being required to open up the mine at depth. The dividend paid in 1897 has been followed by four of 1s. each this year, making a total of £20,000 so distributed. Up to the end of December, the output of the mine has been 15,498ozs., obtained from 8,270 tons. Operations during the past year are shown in the appended table:—

Quarter.	By Cyanide.		By Battery.		Average excluding cyanide.		
	Tailings treated.	Gold won.	Ore crushed.	Gold won.			
	tons.	ozs.	dwts.	grs.	ozs.	dwts.	grs.
March	896	520	8	876	1,701	10	1 18 18
June	1,260	573	2	1,164	1,914	14	1 12 21
September	700	207	7	1,654	2,166	13	1 6 4
December	336	103	9	2,442	3,264	16	1 6 17
Total	3,192	1,404	6	6,136	9,047	13	1 14 1

Crushing started at the Lady Mary in April with 10 head of stamps, and a second 10 head were added in September. The increase in the power, however, could not be employed owing to insufficient water. An adequate supply has lately been struck, and the full 20 head of stamps will be started in the new year. At present a number of improvements in the system of equipment are being made. The output of the mine has exceeded 824ozs. for the month. A dividend was paid in October, and another in December, making a total of £6,000 returned to shareholders.

The result of crushing operations will be seen in the following table:—

Quarter.	Ore crushed.	Gold won.	Average.				
	tons.	ozs.	dwts.	grs.	ozs.	dwts.	grs.
June	1,035	1,556	5	0	1	10	2
September	1,658½	2,204	12	0	1	6	13
December	1,129	1,157	0	0	1	0	11
Total	3,822½	4,917	17	0	1	5	17

In addition to the mines mentioned, the following are contributing to the monthly output:—Hinemoa, Mount Benson, Break o' Day, No. 1 North Norseman, and Edwards' Norseman. Many other properties are developing and stoping, but having no plants of their own, crushings have been put through irregularly at public batteries. Among the latter are the Cumberland and Kirkpatrick Consolidated, adjoining properties. Early in the year a very rich chute of stone was picked up in the former, from which a little over $3\frac{1}{2}$ tons was treated for upwards of 1,000ozs. Bulk crushings from the two mines have also been put through for 1oz. returns. Both companies have announced their intention of procuring batteries, but so far they have not done so. The apathy thus displayed is to be regretted, as a very promising section of the field is thereby held back. The amalgamation of the New No. 1 North and Mount Baker companies was completed early in the year, but the disadvantage of having the battery half-a-mile from the mine has stood in the way of profitable work. The Desirable has also been unproductive. Crushing was suspended for the first half of the year, while the addition was made to the battery. A parcel of 700 tons then gave very poor results, and the plant was hung up, pending investigation of the cause. The matter having now been explained, it is understood that operations will be resumed as soon as a cyanide plant has been procured. Among the failures of the past 12 months are the All Nations and the St. Agnes, both of which companies were wound up. The battery on the former mine was purchased by the Government, and was the first Government battery to start operations in the Colony. So far, however, results have been disappointing, and work has been suspended for the present. The leases of the St. Agnes have passed into private hands, and will be prospected further.

On 31st December the following batteries were not working:—Mawson's Reward, St. Agnes, Albemarle, Government Battery, Norseman Reward, Little Wonder, Desirable, Three Colonies, and Pathway. The Government Battery may be expected to start early in the new year, while the Desirable and Mawson's Reward will probably follow suit later on; but, as regards the others, no opinion can be expressed.

Among the additions contemplated for the coming year may be mentioned an additional 5 head of stamps and a cyanide plant for the Break o' Day.

THE GOLD OUTPUT.

The output of gold during the past year, so far as reported, amounted to 36,792ozs. 14dwts. 20grs., obtained from 30,986 tons 7cwt. of stone, and showing an average of 1oz. 3dwts. 18grs. per ton. Compared with the previous year, the amount of stone treated shows an increase of 17,296 tons, and the gold won an increase of 19,700ozs. 1dwt. 16grs. Still, notwithstanding the larger figures, the total average per ton only depreciated 1dwt. 5grs.

In addition to the yield from the ordinary processes of amalgamation, the treatment of tailings by cyanide has given the following results:—5,410 tons, yielding 2,072ozs. 13dwts. 23grs. The alluvial and specimens reported contributed another 5ozs. 12dwts.

The appended table gives the quarterly production of gold:—

Tailings.			Milled.				Average.	Total Gold.			
Tons treated.	Gold won.		Ore treated.		Gold won.						
Quarter.	ozs.	dwts.	grs.	tons	cwts.	ozs.	dwts.	grs.	ozs.	dwts.	grs.
March	891	538	0 0	5,673	15	6,060	4 10	1 3 6	6,598	4 10	
June	1,701	718	19 20	6,602	15	8,033	5 7	1 6 12	8,752	5 3	
September	1,144	402	1 3	7,317	6	8,092	8 14	1 3 5	8,494	9 17	
December	1,667	413	13 0	11,392	11	12,534	2 14	1 2 16	12,947	15 14	
Total tons ...	5,410	2,072	13 23	30,986	7	34,720	0 21	1 3 18	36,792	14 20	

A comparative statement of the figures recorded above, with those of the two previous years, shows very clearly the great advance that has been made:—

Year.	Ore crushed.	Yield of Gold.	Average.
	tons.	ozs. dwts. grs.	ozs. dwts. grs.
1896	3,387	4,271 17 2	1 5 22
1897	13,690	17,092 13 4	1 4 23
1898	30,986	36,792 14 20	1 3 18

It is difficult to ascertain the amount of alluvial won, but from information obtained from various sources it is known that nearly 500ozs. have been disposed of in the district, and it is reasonable to suppose that this does not account for all that has been unearthed. The discoveries have chiefly been made on a belt of ironstone country running from the Mary Cater, a lease situated about five miles North-East of the town, to the old Oriental leases, about four miles to the South-East. Morrell Gully, situated in the latter vicinity, has produced the lion share, and for the past five months from 12 to 50 men have worked there. Pieces up to 15ozs. in weight have been come upon. The alluvial country is known as the St. Alban's line, and runs parallel to the Norseman reef on the Eastern side. It has been proved to extend for a distance of about 20 miles. The success of some of the men in the past induces the belief that alluvial mining will receive more attention during the coming year.

The year's output shows a substantial advance on that for 1897, and the opening year gives promise of maintaining the past history of the field, which has been one of slow but steady and increasing progress.

REVENUE STATISTICS.

The receipts under various headings enumerated below make a total just about as large as in 1896. Only moneys received locally are included, however, although the amount that the district should receive credit for would be much increased if the payments made direct to Perth, notably for the purchase of land, were included. Two new items appear, viz., beer duty and Government battery charges, but these sources of revenue only date back a month or two. Against this the item deposits in plaints for forfeiture has disappeared. The returns are as follow:—

	£	s.	d.
Mining Revenue	2,697	18	6
Survey Fees	382	18	0
Exemption	320	17	0
Judicial Fees (Mines)	5	9	6
Land Revenue	1,198	3	0
Internal Revenue... ..	1,504	5	5
Government Battery Charges	228	10	3
Excise Duty on Beer	75	4	2
Stamps	92	10	0
Total	£6,510	1	7

WATER SUPPLY.

It cannot be said that our water supply is yet in a satisfactory condition. The difficulty in some instances arises from the deficiency in the amount available, and is also due to the injurious properties the water possesses. During the year much trouble has been experienced by some of the mines in this respect. The causes are of a twofold nature:—

- (1.) Excessive density and complex elements, being injurious to satisfactory amalgamation and cyanidation; and
- (2.) An absence of sufficient supplies in the mines, necessitating heavy expenditure in procuring it from other sources.

With one exception, water for crushing purposes is derived by surface drains on the lakes. The exception is the Princess Royal, where an inflow of about 4,000 gallons an hour in the main shaft considerably hampered development.

Recently the Norseman Gold Mines purchased the lease of the Government well in the North-West of the town, and supplies will, as far as possible, in future be drawn from there. The amount available at present seems very large and lasting, and if that proves to be the case it will encourage the belief that water can be similarly obtained elsewhere. The water obtained from these wells is of much better quality than that obtained from the lake, it being much less dense. The impurity of the lake water has been particularly marked this year; owing to this, the suspension of crushing operations at the Desirable and Government batteries has ensued.

COMMERCIAL PROGRESS.

With the increase of population and the growing number of wage earners and domestic households the trade of the town has shown steady improvement. One or two new firms have started business, and latterly several stocks from Esperance have been disposed of. The cost of living has naturally been cheapened, although rates generally are slightly above those ruling on other goldfields. In vegetables and fruit the difference is most pronounced. The Western Australian Bank finds ample employment for their branch, and five hotels continue to do a fairly good trade, very high rents for these houses being evidence that the turnover is of good dimensions. The Premier's visit at the beginning of the year was the first occasion on which a Minister of the Crown had officially been to Norseman, and benefit resulted from the recognition of the resources of the district. The subsequent proposal of the Government to establish railway connection with Coolgardie was warmly received, and the withdrawal of the scheme disheartened the people to an extent that made itself felt in the business transacted for a time.

At the hotels the cost of living is maintained at 35s., but board at restaurants and eating-houses has been reduced materially.

VITAL STATISTICS.

The public health during the year has been exceptionally good, comparing favourably with other inland centres similarly positioned. The following figures speak for themselves:—Births 19, deaths 8, and marriages 12. Cases of contagious diseases have been happily scarce. At the hospital 77 patients have been treated, three only suffering from typhoid fever. One of the eight deaths recorded was due to a fall of stone in one of the stopes at the Princess Royal Mine.

During November an informal census was taken by the police showing the population of the district to be 1,596 souls, made up of 1,246 men and boys, and 350 women and girls. The figures compare favourably with the previous year, when the population comprised:—1,053 men and boys, and 288 women and girls.

EDUCATION.

At the close of the year there were 83 children on the roll of the Public School, with an average attendance of 70. Altogether there are 100 children of a school-going age in the town and vicinity, and the appointment of a Compulsory Officer lately makes it probable that present numbers will be increased. The necessity for enlarging the schoolhouse will therefore be made imperative.

MUNICIPAL MATTERS.

The Municipal Council during the past year has been most active. The very excellent state of the health of the town is due mainly to the completeness of the sanitary arrangements, the pan system having been extended to the residence areas. Sections of four of the principal streets have been made and metalled, while the leading thoroughfares to the residence areas have been cleared. The event of the year, however, has been the establishment of complete appliances for fire extinction, and the formation of a brigade is now in hand. An elevated tank has been provided and water laid on to hydrants at intervals in the busiest streets. Many business firms have connected hydrants of their own and purchased hose, and it may be said that the most valuable property of the town is protected as far as possible.

GENERAL REMARKS.

From what has been stated it will be readily understood that the town and district have progressed and my anticipations last year have been realised. The present proportions of the gold yield, the growing population, and the increasing settlement augur well for a prosperous future.

The number of accidents at the mines has been few, and mostly trifling. In one case only was the result fatal, death in that instance being instantaneous.

Towards the middle of the year improvements were made to the Coolgardie-Norseman Road. To save the necessity for travelling round a dangerous portion of the lake, a causeway was constructed at a point about three miles North of the town. The crossing had to be formed along a distance of about three-quarters of a mile, and for most of the way fascines were used. Roads either end to connect with the old track were cleared, and apart from the increased safety to traffic fully a mile was saved on the journey. Like all new tracks, the going has become rather heavy, and travellers prefer the old route, but a good fall of rain should remove all cause for complaint.

The rainfall for the year, as gauged by the Postmaster, was 897 points, which fell mostly during the first half of the year. Compared with previous records the amount was up to the average. The expenditure authorised a second time during the last session of Parliament for a tank for the use of Norseman, outside the town boundary, is favourably regarded locally, and the work should be of great benefit to the townspeople. With increased tank accommodation the town has been mainly supplied with rain-water, but supplies are now being exhausted, and the demands made on the condensers are again heavy.

There have been no new discoveries during the year, but the success attending development work on existing properties gives confidence in the future. The addition of the Peninsula to the producing centres further extends the range of profitable mining on the field.

With the work in hand and contemplated on the mines, the year 1899 bids fair to bring greater prosperity to the Dundas Goldfield than ever before.

I have, etc.,

ARTHUR HICKS,

Warden, Dundas Goldfield.

31st January, 1899.

Report by the Mining Registrar, Northampton, for the year 1898.

The Under Secretary for Mines, Perth.

Northampton, 11th September, 1899.

SIR,

I have the honour to submit the following Report for 1898.

REPORT FOR 1898.

During the year very little has been done in further development of the mines in this district. The cessation of work by the Smelting Company here has had a damaging effect, still some of the more persevering continue to work their properties with encouraging results. In the immediate vicinity of Northampton, four properties are being worked, three for copper and one for lead. There is a bright prospect before the mines in the neighbourhood of the Geraldine—some 40 miles North of Northampton. The mine at present managed by Mr. Arthur Teague gives promise of good returns. The output of this remarkably rich mine is at present limited, awaiting the flotation of a company in London. Its further development will then be vigorously pushed forward, and there can be no doubt that the results will be most gratifying. Mr. Teague did not send any ore away until June, since which time he has sent away 65 tons, the last 20 tons being argentiferous copper ore of very rich quality. Many properties in the neighbourhood are supposed to be quite as good.

Coupled with the Northampton district is a large area known as the Yandenooka mining district. Little or nothing has been done here until lately. Now there are three mineral leases being developed, and another lease of 50 acres about to be applied for. It has become necessary now to hold a Registrar's Court here once a month. Taking matters all round, the prospects are much brighter than they were six months ago.

I have, etc.,

GUSTAVUS VARLEY,

Mining Registrar, Northampton.

*Report on the Collie Coalfield for the year 1898.**To the Under Secretary for Mines, Perth.*Collie Coalfield,
1st May, 1899.

SIR,

I have the honour to submit the following Report on the Collie Coalfield, for the information of the Honourable the Minister for Mines.

The progress of the Collie Coalfield during 1898 was very disappointing. At the close of 1897 the railway from Brunswick to the township was fast approaching completion, the West Collie Company was in full work, employing about 60 men, and the Proprietary Company, though employing a smaller number, about 20, were, by their own account, only waiting for the railway to reach them to largely increase their operations. Before the end of 1898, however, the West Collie Company, who hold 23 leases, of a total area of over 7,000 acres, had shut down, and the Proprietary Company had obtained total exemption until the extension of the railway line from the township to their workings should be handed over.

Under these circumstances, mining operations having practically ceased on the field, it was decided to lease the Government mine, for which tenders were called. The successful tenderer proved to be Mr. H. M. Deakin, who took possession on November 9th, and who raised the first skip of coal in less than a month's time, having, in the meantime, pumped the shaft dry and installed a new winding machinery plant. The same energy which marked the start of his operations has since been maintained, and the large increase in population and in business since observable is largely due to the persistence with which he has faced and so far, it seems, overcome every obstacle.

The mining revenue for the year shows a great falling off from that of 1897, the figures being £1,905 15s. 6d. and £516 2s., respectively. This falling off is partly attributable to the fact that few new leases (four in all) were applied for, and partly that the mining and business licenses, under which the township had been originally held, were no longer required when it had been gazetted a township; while it had been decided not to enforce Regulation 4, which prescribes that the working mines should hold licenses. Most of the leases, too, are held by companies with offices in Perth, where they find it more convenient to pay rents, royalties, and other fees.

During 1898 there was one serious mining accident at the West Collie, by which a man named John Henderson had his leg broken by a fall of roof. The inquiry held resulted in a finding that no blame attached to the management. The sufferer in this case, and in the case of two other accidents unconnected with mining, had to be conveyed to the hospital at Bunbury for treatment, a practice which, as the mining population increases and serious accidents become more frequent, is likely to lead to unnecessary loss of life.

The population of the field at the end of 1898 was estimated at 300, but has since increased considerably. The general health has been good, only one case of typhoid fever having occurred within my knowledge; and that was imported.

In public buildings the town is as yet deficient; the only one being the Post and Telegraph Office opened for business about the middle of 1898.

Neither the mining work nor the mining revenue is of great volume at present, but the land revenue is increasing, and likely to increase for some time; and before long a Local Court will be urgently required, as the nearest court at which petty debts can be recovered is at Bunbury.

In conclusion, I believe that the future of the Collie Coalfield is now assured, as it has been demonstrated by the success attending the working of the Government Mine that the coal can be worked at a profit, and the demand for it appears to be on the increase.

I have, etc.,

RAYMOND GEE,
Registrar.

Report on the Greenbushes Tinfields for the year 1898.

From Registrar, Greenbushes Mining District, to the Under Secretary for Mines.

Greenbushes,
17th May, 1899.

In reporting on the Greenbushes Tinfields for the year 1898, I find that the operations during the year have been of the most limited kind, the field having apparently reached its lowest ebb during that year. There is, therefore, very little material for a report. A mere handful of men were left working the richest patches of the runs of tin already known to exist, as only the best tin would pay to work, the price being at one time of the year under 10s. per unit. Towards the end of the year, however, there were signs of a revival in the price and a consequent increase in activity. (This, at the time I write, has been succeeded by an unprecedentedly lively time, and there are now about 500 men on the field.) I visited the field from Bridgetown at fortnightly intervals, which I found to be quite often enough for the needs of the time—in fact, there was often no business to be transacted. An idea of the deadness of the field can be best gathered from the following figures:—

Production of tin for the year	...	...	...	...	...	81 tons
Value of above	...	...	...	...	...	£3,270
Revenue collected	...	...	...	...	...	£28 12s. 6d.
Mining Licenses issued	...	...	...	...	...	31
Claims registered	...	...	...	...	...	5
Exemptions granted	...	...	...	...	...	7
Water Rights	...	...	...	...	...	2
Residence Area	...	...	...	...	...	1
Garden Area	...	...	...	...	...	1

I have, etc.,

W. A. G. WALTER,
Registrar, Greenbushes Mining District.

Report by the Inspector of Mines, Central Goldfields, for the year 1898.

From the Inspector of Mines, Cue, to the Under Secretary for Mines, Perth.

SIR,

I have the honour to submit to you my second Annual Report, for the information of the Hon. the Minister of Mines, upon the administration and working of "The Mines Regulation Act, 1895," and the development of the Mining Industry upon the Central Goldfields, viz., Cue, Mount Magnet, Yalgoo, Nannine, Peak Hill, and East Murchison for the year ending 1898.

1. The mines situated in the above-named districts, coming under the operations of the Mines Regulation Act, have all been inspected by me, and any defects which were noticed were at once pointed out to the mine manager, and in every case the defects were rectified immediately, and I must add that, as a whole, the mining managers have shown a readiness to comply with the requirements of the Act where practicable.

It has been found necessary to exceed the limitations of the sections, *re* explosives on some of the mines in this district, as the quantity (5cwt.) required by the Act to be stored was inadequate for the continuous working of the mines. In cases of this sort every precaution has been taken by me in seeing isolated magazines were erected, and great care and method exercised in the use of explosives, and head office was immediately advised of what had been done.

There has been only one accident directly attributable to the careless use of explosives on these fields for year 1898.

ACCIDENTS.

2. There have been five fatal accidents this year, three coming under the Mines Regulation Act, the balance under Section 150 of the Goldfields Act. There have also been eleven minor accidents. This is undoubtedly a very light list, considering that year by year more ground gets opened up. There have also been two or three small accidents in outlying centres, which the Warden for the district has held an inquiry into.

SAFETY APPLIANCES.

3. Safety hooks, safety cages, winding indicators, and last, but not least, good knocker lines for each compartment of the shaft and distinct signals for each level are strictly enforced.

ENGINE-DRIVERS.

4. The Local Boards of Examiners formed on these fields have given satisfaction to all parties, and the practical demonstration of ability required from each candidate has undoubtedly been a great success. Examinations have been held every six months in the following places, viz.:—Cue, Magnet, Yalgoo, Nannine, Peak Hill, Lawlers, Darlôt, and Mount Sir Samuel.

Fees received in connection with Examinations.

	£	s.	d.
110 Certificates of Competency have been issued at £1 10s.	165	0	0
3 Certificates of Service have been issued at £1	3	0	0
25 Certificates of Competency were exchanged at 10s.	12	10	0
49 Candidates failed; fees paid, 10s. each	24	10	0
8 Certificates issued <i>ex officio</i> , and 1 Certificate replaced at 2s. 6d.	0	2	6
Total revenue paid Treasury	£205	2	6

CYANIDE PLANTS.

5. Plants for the extraction of fine gold from tailings by the cyanide process have been erected upon the following mines, and are running with a fair amount of success:—At the Consolidated Murchison, Day Dawn; the Island Lake Austin, at Lake Austin; New Chum Mine, at Mt. Magnet; Heyden's Cue Public Battery; and the Emerald Reward, at Yalgoo.

The plant for the old Francis Reward is in the Colony, and almost ready for erection.

Evidently these plants will materially increase the output of gold from these districts, as the tailings from the oxidised ores are easily amenable to extraction by the cyanide process.

GENERAL DEVELOPMENT OF THE MINES, CENTRAL GOLDFIELD.

6. You are aware that the output of gold from these fields has increased for the year 1898. Good solid development work has taken place in all the districts, and indications show that the mines are steadily advancing.

There has not been that amount of deep sinking that one could have desired, but in several places, viz., the Star of the East, New Murchison King, Abbott's, East Murchison United, Lawler's, and the Big Reef at Day Dawn have improved considerably as sunk upon, and the indications are of a more permanent character.

The field has undoubtedly suffered from the financial depression that has been prevalent in the Colony, and which has retarded mining operations.

DEEP ALLUVIAL.

7. At Cue, Magnet, Yalgoo, Tuckanarra, and Quinn's, parties have been prospecting for deep alluvial. Nice looking wash has been discovered at all of these places, carrying a little gold, but not payable. With these favourable indications it is almost certain we may any day have a good lead of payable wash-dirt struck, which would at once put new life into these districts.

I have, etc.,

W. F. GREENARD,
Inspector of Mines.

Cue, 8th February, 1899.

Report by the Inspector of Mines for North Coolgardie and Mount Margaret Goldfields.

To the Under Secretary for Mines, Perth.

SIR,

Menzies, 13th February, 1899.

I have the honour to submit, for your information, my annual Report for the year 1898 as Inspector of Mines for North Coolgardie and Mount Margaret Goldfields.

During the year I visited all the centres in the two districts under my supervision that claimed my attention.

During the year I have made 174 inspections of mines, which come within the provisions of the Mines Regulation Act, in North Coolgardie, and 103 in the Mount Margaret district. In addition to this I have visited mines which are outside the Act, and in all cases where defects were pointed out they were remedied as speedily as possible. It is necessary in this class of mines to grant a considerable amount of latitude.

INSPECTION OF BOILERS.

It has been impossible for me to be at all mines during the inspection and testing of boilers, but where I had reason to believe that boilers were not in good order I tested them myself. During the year four boilers were condemned as unfit for use. The Government is to be congratulated on the introduction of "The Boilers Act."

PROSECUTIONS.

During the year there were 11 prosecutions; eight in North Coolgardie, and three in Mount Margaret Goldfields. In all cases fines were inflicted.

At the Golden Arrow mine, tenders have been called for the erection of an additional 20-head of stampers, to the 10 already erected. When these are completed, the returns should greatly augment the field's output.

Scarcity of water is greatly hampering the advancement of the Vetersburg Gold Mining Company's operations, $5\frac{1}{2}$ miles North of Bardoc. The mine has been splendidly opened up and equipped, and the manager is only awaiting the strike of a sufficient supply of water, for which much money has been spent in searching, when the erection of a battery will at once be proceeded with.

The Trovoastrian has made good progress in development work during the year, and the erection of a substantial winding plant has been completed.

The shutting down of the Black Flag Proprietary, consequent on the collapse of the new main shaft, has been keenly felt. This is not to be wondered at, as the stoppage of a 50-head battery is no trifling matter to a small district.

During the year I have made 198 visits of inspection on the Broad Arrow Field, and including both fields I have subjected 31 boilers to hydraulic test.

I have, etc.,

GEORGE JENKYN,

Inspector of Mines,

Broad Arrow Goldfield.

Kanowna, 5th January, 1899.

Report by the Inspector of Mines, East Coolgardie, for the year 1898.

From the Inspector of Mines, Kalgoorlie, to the Under Secretary for Mines, Perth.

SIR,

I have the honour to forward you my general Report for the year 1898, for the information of the Honourable the Minister of Mines.

ACCIDENTS—FIRING SHOTS BY ELECTRICITY.

I was appointed to take charge of this district early in February last. During the three months following there were so many mining accidents that a great part of my time was occupied in investigating them, and attending at the inquests held on the fatal cases. This interfered considerably with the work of inspection proper. I have enclosed herewith a summary of the accidents which occurred in the district* during the year. Many of these were caused through the carelessness of the men themselves, and though some were preventable, there were others for which no blame could be attached to anyone. In the last class I would place most of those which occurred through the explosion of dynamite charges in holes. I attribute the cause to the system of firing the shots by fuse. In my reports on two accidents resulting from it, I have already recommended that, in sinking winzes and shafts, firing by electricity be brought into use. Wherever it has been adopted it has given great satisfaction. It is now used in most mines where the more modern appliances are employed. The whole apparatus required for it would not cost more than £10. I can recommend it from my own experience when I was a manager, and from that of managers on this field. Mr. Hamilton, manager of the Great Boulder Proprietary, and Mr. Haig, manager of the Golden Link Consolidated, speak of it as being the cheapest, most efficient, and the freest from danger. It has given them such satisfaction that they will have no other system. There can be no danger from it, because the men are taken away to a place of safety before the shot is fired, whereas firing shots by fuse has been a fruitful source of accidents wherever it was used. I should like to see it introduced on all the mines, especially those on which operations are carried on on a large scale.

SAFETY HOOK AND SAFETY CAGE.

As a precaution against accidents, I invariably insist on the employment of a safety or detach hook for every cage, but I do not require that safety cages be provided, because they are so liable to come into play when there is no danger of accident, and often when there is danger they do not act.

BOILERS.

Condensed water is now used for all the boilers on the field. Thus corrosion and other injurious effects of impure water are reduced to a minimum.

STORAGE OF EXPLOSIVES.

The regulations relating to the storage of explosives are observed wherever it is practicable, but in some of the large mines it is absolutely impossible to comply with them, since as much dynamite is used in them in a day as the whole quantity allowed to be stored. I have already laid this matter before you, and suggested that the companies be allowed to store at least a week's supply; also, that the magazine be under-ground, where it would be safer than on the surface.

LADDERS IN SHAFTS AND WINZES.

When a winze is being sunk a ladder should be provided, and it should be so placed that its inclination would be at the same angle as that of the lode. But after it has been sunk, and is used as a travelling way between two levels, there should be landing stages, as required by the Act. In shafts the ladders should be placed at the greatest angle that the size of the shaft will permit, and there should be a horizontal landing stage between every two ladders, each ladder being not more than 35ft. long. The stages should be so arranged that, in the event of a man slipping off a ladder, he would fall on the next landing, a distance of at most 35ft.

* Summary included in Statist's returns.

MACHINERY.

The machinery, on the large mines especially, is of a superior class, the mine-owners sparing no expense in providing the most approved plants and appliances. Different methods of treating the sulphide ores have been adopted, each being preferred as it commended itself to managers or directors. The Hannan's Brown Hill Company are using the dry-crushing process. The plant for this has been supplied by the London and Hamburg Gold Recovery Company. Ever since it was started it has been giving great satisfaction. On the Lake View Consols mine, besides the battery and the cyanide plant, filter presses are used. This company was the first to introduce these presses. They are giving such good results that other companies are now erecting similar plants. The Great Boulder Proprietary have adopted the Koeneman process for roasting the ore before it is crushed. Besides this, there are other special forms of treatment in the process which are not generally known on the field. So far as can be known from the experiments made, it is an assured success. There are large plants on other mines also; and, when those now in course of erection will be completed, the output of gold will be largely increased. Though some of them are constructed for treating about 500 tons of ore per day, there are such immense bodies available that the plants will be fully occupied for years to come.

ENGINE-DRIVERS' EXAMINATIONS.

During the year examinations for Engine-drivers' Certificates were held on 35 days. The longest interval between any two examinations was eight weeks.

Three hundred and thirty-nine candidates were examined. Of these 145 succeeded in obtaining Certificates of Service and 106 Certificates of Competency. Some of these examinations were held before the usual time. The cause of this was that several of the applicants said they had families to support, and that they could get employment if they had W.A. certificates. Indeed, they pleadingly requested me to give them "a chance to get work." Under these circumstances I felt called upon to help competent men to earn a living.

Many of the candidates gave ample proof of their fitness to take charge of a battery engine, but could not show that they were competent to efficiently manipulate a winding engine. Under the present Mines Regulations Act only one class of certificate can be issued. I see no reason why a Second-class Certificate should not be granted to such men as those just referred to: I hope a clause will be inserted in the new Mines Act empowering the Boards of Examiners to grant such certificates.

MINING AND VENTILATION.

The mines are being laid out on scientific principles, and in such a manner that they might be worked as economically as possible, without at the same time neglecting the safety of the men.

The system followed for providing fresh air is so effective that I noticed no defects worth pointing out.

MANAGERS.

I found the managers, without exception, willing to correct any defect to which I drew their attention, and to carry out any suggestion I made to them in connection with the working of their mines. They cordially co-operated with me in seeing that the Act was complied with in every detail. The work done by them and the engineers is a living monument to their knowledge and skill.

ALLUVIAL.

During the year some prospecting has been done for gold-bearing alluvial leads, but so far the results have been disappointing.

PROSPECTS OF THE FIELD.

There has been, however, quite a different experience in the lode mining of the district. Large bodies of rich sulphide ore have been discovered in the lower levels of several mines near Boulder City, and several important developments have also taken place in other parts of the district. The ore now in sight in the more highly developed mines is sufficient to keep large plants occupied for years in treating them. Every fresh development serves to show that the lodes are not only exceptionally large and rich, but give strong indications of continuing to a great depth. Indeed, the permanency of the field may now be considered as beyond doubt.

I have, etc.,

F. J. LANDER,

Inspector of Mines.

6th February, 1899.

*Report by the Inspector of Mines, Coolgardie and Yilgarn Goldfields, for the year 1898.**To the Honourable the Minister of Mines, Perth.*

SIR,

Coolgardie, 8th September, 1899.

As Inspector of Mines for the Coolgardie and the Yilgarn Goldfields, I have the honour to submit to you the following Report for the year 1898:—

During the year the mines in the districts were frequently visited, and inspections were made. In the majority of instances it was noticeable that the mining managers were themselves desirous of observing, and also of enforcing the observance on the part of those whom they employed, of the requirements of the Mines Regulation Act. Where any defects were apparent, or where it appeared to be necessary that additional precautions should be taken to guard against the possibility of accident, the attention of the mining manager was directed to the matter, and in every such case whatever was required to be done in the way of rectification was done without demur.

The number of accidents that occurred, and that were attended to on the Coolgardie Goldfield during the year, was 16. Of these, two were fatal, three resulted in fractured limbs, five were scalp wounds, and in one case injury was caused to the eyes by an explosion of dynamite. Of the remaining accidents none were serious, they having been mostly confined to sprains and bruises.

With regard to the future of the Coolgardie Goldfield, the probability is a very strong one that its productiveness will be very much augmented when the reefs have been explored at a depth considerably beyond that which has yet been reached in any one of the mines. In those cases in which reefs have already been followed down into the dioritic rock in this district (and that to a comparatively shallow depth only), or in which the dioritic rock is in proximity to the reef, evidence is afforded of the satisfactory condition in which the latter occur when in or near the dioritic formation. Their size, compactness, and productiveness are maintained.

With regard to the question of productiveness, it does not seem to be probable that the average value of the reef-stone will be greater than it is now; but this will, no doubt, be compensated for by the increased quantity of stone that will be available for treatment when the reefs are being wrought at a much greater depth than is at present the case. For I venture to offer the opinion that a depth of three or four hundred feet is nothing like sufficient for the profitable development of the Coolgardie goldfield. It may, I think, be pretty confidently assumed that when the policy of deep sinking has been more generally recognised and followed out on this field, the result will be that it will be found necessary to equip many of the mines with reducing machinery on a much more extensive scale than is now the case, and that, therefore, in a corresponding degree, the yield of gold from the district will be increased.

I have, etc.,

GEO. LIGHTLY,
Inspector of Mines.

*The Superintendent of Public Batteries' Report on Public Batteries.**To the Under Secretary for Mines.*

SIR,

I have the honour to make the following general Report on Public Batteries, from their inception to the present time, for the information of the Honourable the Minister.

1. At the time of my appointment, 15 months ago, only initiatory work had been done, viz., deciding where the first six batteries would be erected, and sites where water was likely to be found. Only one battery had been ordered, which is known as the "Unit Type."

2. The places selected were Lennonville, Tuckanarra, Mulline, Mount Ida, Leonora, and Norseman. At the latter place a 10-head battery was under offer to the Department, and subsequently purchased.

3. Since the first selection, the following additional places have had batteries allotted to them, viz., Yerilla, Bulong, and Yalgoo; Bulong being a purchased battery.

4. Seven of these batteries consist of 10 head of stamps, each varying from 750 to 1,000lbs. in weight; the two exceptions being the one at Yalgoo, where the Unit Type was erected, consisting of five (5) single boxes, one stamp in each, and the other at Bulong, where 20 heads are working; making a total of 105 head of stamps.

5. The batteries took a considerable time to erect owing to various causes, the principal ones being delays in transit and the want of water, but they were each gradually put into working order, and I am now pleased to say that all are working fairly successfully, as I will show later on in this report.

6. The cost of finding water, providing the necessary pipes, pumps, and accessories, has proved a much heavier undertaking than was anticipated by even those possessing a more intimate knowledge of the fields than I did at the time. Even now we are not fully supplied at Lennonville, Tuckanarra, or Mount Ida, although at each of these places work is being proceeded with to obtain the desired quantity. The cost up to the present under this head is £11,170 0s. 5d.

7. The cost of each battery erected as it now stands, exclusive of the cost of finding water, has been—

	£	s.	d.
Norseman	4,661	9	11
Bulong	5,028	16	1
Mulline	4,886	17	9
Leonora	4,392	13	5
Mount Ida	4,876	3	6
Yerilla	4,781	15	10
Lennonville	3,285	12	4
Tuckanarra	3,903	3	6
Yalgoo	4,066	19	3
	<u>£39,883</u>	<u>11</u>	<u>7</u>

These amounts, together with the amount named for procuring water, indicate the total amount expended exclusive of travelling expenses, fuel, and stores in hand.

8. Up to the present 6,923 tons have been crushed and treated at the several batteries for a cost of £5,257 14s. 9d., or an average cost per ton of 15s. 2d; but an analysis of the several batteries will show that five of these batteries are returning a profit of from 2s. to 3s. 6d. per ton, while two others are just about holding their own up to the present, the cause in the case of Tuckanarra being want of water, while at Norseman the water is very dense, and incurs extra expense in condensing. At Norseman and Mulline the preliminary management was very expensive, but under the present managers a decided improvement has taken place and there is now no cause for complaint. The working expense of these two batteries, at the outset, have caused the cost per ton to appear higher than is now the case. At Lennonville and Mount Ida the want of water is also the cause. At both these places we have been very unsuccessful, but I hope soon to be able to report both batteries running at a profit. In all cases the initiatory crushings have cost more than those following, and I anticipate the same result at the two last-named batteries. Attached is a list of the batteries showing tonnage to date, working expenses, and cost per ton.

9. Five of the batteries, namely, Leonora, Mt. Ida, Yerilla, Lennonville, and Tuckanarra, are still exposed to the weather, having no shed over them; but as the Hon. the Minister has already expressed a desire that I take steps to have this work carried out, I hope soon to see these plants housed and protected from sun and rain, the latter causing much inconvenience and delay at times.

10. The Hon. Minister has already sanctioned the erection of a cyanide plant at Norseman, and I trust this will not only prove a source of profit to the claimholders, but materially assist in raising the extraction per ton to a creditable standpoint. I anticipate the Hon. Minister will agree to the erection of cyanide plants at all batteries where the tailings prove amenable to cyanide and profitable enough for treatment.

11. At the present time a well is being sunk at Ravelstone, Peak Hill, with a view of striking water for a public battery, and the Hon. the Minister has already agreed that the manufacture of a 10-head battery complete be ordered, so that in the event of water being met, no unnecessary delay need be occasioned before supplying the district (apparently well worthy of support) with a public battery.

The price charged for crushing has been at the rate of 15s. per ton, except in a few cases where the yield of gold has not paid crushing charges. As is usual in such cases of public crushing, the value of gold is accepted as payment.

In conclusion, I take this opportunity of expressing my thanks to those officers who have at all times given me every assistance in the discharge of my duties, and while regretting the numerous delays that have occurred, thus preventing the policy of the Government in establishing public batteries on the outlying fields from occupying the prominent position which it is destined to, I can only add that, if further called upon to extend the policy, I trust success will follow my efforts in carrying out the desire of Parliament.

30th June, 1899.

DAVID H. WHITE,
Superintendent of Public Batteries.

Particulars of Crushings at the Public Batteries to 30th June, 1899.

Name of Battery.	Tons crushed.	Cost of Reduction. Wages.	Firewood.	Stores.	Average cost. per ton.
		£ s. d.	£ s. d.	£ s. d.	£ s. d.
Bulong	1,438	540 16 0	161 9 0	107 11 0	0 11 3
Lennonville	340	238 0 0	45 0 0	25 0 0	0 18 1
Mount Ida	387	270 10 2	55 0 0	28 15 3	0 18 3
Mount Leonora	930	360 10 0	104 10 0	70 5 0	0 11 6
Mulline—First management	350	438 10 0	49 1 8	26 5 0	1 9 4
Present manager	460	180 15 0	66 0 0	34 10 0	0 12 2
Norseman—First management	428	508 0 0	90 0 0	30 8 0	1 9 4
Present manager	790	396 19 1	163 15 0	59 5 0	0 15 8
Tuckanarra	491	298 3 9	56 14 2	36 16 6	0 15 11
Yerilla	700	280 0 0	87 0 0	52 10 0	0 12 3
Yalgoo	609	281 11 8	68 10 0	45 13 6	0 12 11
	6,923	3,793 15 8	946 19 10	516 19 3	0 15 2

Report by the Inspecting Surveyor, Eastern Goldfields, for the year 1898.

The Under Secretary for Mines, Perth.

SIR,

Coolgardie, 5th April, 1899.

I have the honour to submit my Report on Surveys on the Eastern Goldfields for the year 1898:—

1. Compared with the year 1897, there has been a marked falling off in the number of leases for new ground applied for, as prospecting has been principally confined to the mining centres already partly opened up, and a good many quartz claims have been taken up on abandoned leases in cases in which in the past leases would have been applied for. Still a considerable amount of survey work has been done, the details of which are as follows:—The greater part of this work has been carried out by contract surveyors.

		Cost.		
		£	s.	d.
A				
Leases surveyed	... ..	520		
Leases inspected	... ..	160		
Water Rights, Machine, Tailings, and Garden Areas	... ..	139		
Mineral Leases	... ..	15		
B				
Isolated Business Areas	... ..	28	4,058	17 0
Residence and Business Areas surveyed (including necessary Reserves and reference marks)	... ..	680	815	0 0
Traverses and Connections, 131 miles 10 chains; Cairns, 12; and Special Surveys	... ..		576	12 3

2. FIELD SURVEYOR.—Mr. G. W. Ellis, who holds this position, has been fully employed during the year in various kinds of survey work. Part of his work, to the value of £219 18s., is included in the item £4,058 17s. above. In addition to this he has made surveys of 168 Residence Areas and necessary roads in connection therewith, and various connections and special surveys to the value of £269 1s., which would otherwise have been done by contract. He has also carried out a triangulation over nearly the whole of the Mt. Margaret Goldfield, which will practically obviate the necessity for future traverse connections of any magnitude. Surveys of the Deep Leads at Kanowna and Broad Arrow, some feature traverses, and a considerable number of check surveys of Mining Leases, were also made by him. The total cost of his party for the year was £1,222 2s. 6d., and I consider that he has done a deal of valuable work.

3. COOLGARDIE OFFICE.—The staff consisted of the Assistant Inspecting Surveyor, three Draftsmen, and two Clerks, and for the first half of the year another Draftsman was employed. A summary of the work done is as follows:—

Tracings of leases examined and sent to Branch Offices	... ..	640
Other tracings made and sent to Branch Offices	... ..	335
Tracings made and sent to Perth	... ..	135
Diagrams examined and sent to Perth	... ..	1,025
Tracings of plans filed for reference	... ..	200
New tracings, with indices, made and sent to Perth for lithography	... ..	19
Old tracings and indices corrected and sent to Perth	... ..	16

All Standard plans kept up to date.

4. INQUIRY DRAFTSMAN.—During the year the services of Draftsmen at Mt. Margaret, Yerilla, and Kanowna have been dispensed with, as the work at these offices was not considered sufficient to justify the Department in keeping them there. Arrangements have been made for correcting the plans at these places from time to time. It seems to me very desirable that someone capable of plotting plans accurately should be attached to Wardens' Offices, and at places where there is not sufficient work to employ both a Registrar and a Draftsman, someone capable of doing the dual work should be appointed.

I have, etc.,

H. S. KING,
Inspecting Surveyor.

Survey Office, Coolgardie, 5th April, 1899.

Report of Inspecting Surveyor, Central Goldfields, for the year ending 1898.

To the Under Secretary for Mines, Perth.

SIR,

Cue, 9th September, 1899.

In connection with survey matters in the above fields, which comprise Murchison, Peak Hill, East Murchison, and Yalgoo, I beg to report that during the earlier six months of the year the mining industry did not show the energy nor success of previous years, consequently fewer surveyors were required and surveyors engaged; but in the latter six months renewed energy and success were noticeable, particularly at East Mt. Magnet, Lemmonville, Tuckanarra, and near Peak Hill, consequent, probably, from the knowledge that State batteries or private ones available to the public would soon be at work at some of these centres, thereby inducing leaseholders to further open up their mines, and others to properly prospect areas previously neglected, thereby requiring more surveys; at present everything points to a more flourishing outlook for the future, particularly in the Murchison and Peak Hill fields, than has been noticeable for some years past.

Though all surveys at these fields are made at contract or fixed rates by surveyors licensed by the Mines and Lands Departments, yet as the work gradually diminishes, as it must do, it will probably be found necessary to appoint salaried men who will be able to make all the surveys required within an area embracing one or two or more of the present licensed surveyors' districts.

During the year I have examined the surveys at Peak Hill and East Murchison, and found them to be carefully and correctly carried out, and that the surveyors had the confidence of the mining population.

All plans required for public inspection at the various Wardens' and Mining Registrars' Offices have been kept charted up to date from this office, and all information asked for by the public given freely.

In addition to my duties to this department, I have acted for the Lands Department in checking their survey work and attending to all matters forwarded to me for information and report. The system initiated by the Surveyor General and yourself, of having Lands Department survey matters pertaining to the Goldfields referred to the local Mines Department survey officer, is very convenient for this department and the general public and local governing bodies, and, I should judge, satisfactory to the Lands Department.

I attach a Return showing number of surveys executed at the various fields both for this and Lands Department, also of plans examined and passed at this office and forwarded to Head Office for preparation of instrument of title.

Return showing Surveys made for the Mines Department within the Central Goldfields for the Year ending 1898.

Goldfield.	District.	No. of Surveys.	Acreage.	Diagrams Examined and Passed.	Connectional Traverses.
Yalgoo	Yalgoo	17	206	13	} miles chains 20 11
Murchison	Mt. Magnet	60	501	54	
	Day Dawn	8	56	14	
	Cue	24	175	37	
	Nannine	32	318	27	
Peak Hill	Peak Hill	49	618	46	
East Murchison	East Murchison	45	449	52	
	Totals	235	2323	243	

In addition to the above, the local instructions for surveys of 22 Reserves, totalling 1,484 acres, and 117 Town Lots, were issued from this office on account of the Lands Department.

I have, etc.,

G. S. ANDERSON,

Inspecting Surveyor.

9th September, 1899.

Report by the Chief Draftsman, Mines Department, for the year 1898.

To the Under Secretary for Mines.

SIR,

Drafting Branch, 20th July, 1899.

I have the honour to report on the work and progress of the Drafting Branch under my charge, for the year ending 31st December, 1898.

1,514 diagrams and inspecting survey tracings have been received from the various goldfields and mining districts; a few of these were examined and passed in Head Office.

728 Lease Instruments, in duplicate (most of them), have been prepared, examined, and passed, ready for issue.

70 new standard plans, on the "sixteener" system, together with 40 made the previous year, have been compiled, and kept up to date. Several new compilation sheets of outlying and scattered districts have also been made; these will eventually be transferred on to "sixteeners."

9,158 lease maps, 5,690 route maps, 15,450 geological maps, and 454 miscellaneous maps were lithographed; 75,051 official forms and circulars were typographically printed during the 12 months.

300 (about) maps were dealt with in the mounting room.

Besides the work mentioned above, numerous plans, tracings, and lithos. were made and coloured up for reference in connection with correspondence.

All new surveys of Roads and Reserves are shown on diagrams (originals), and also on standard plans. Tracings (in duplicate) are made for the purpose of sending notices to the Lessees, showing the exact area and shape of the land resumed from their leases. Books or Registers are kept for Diagrams, Plans, *Gazette* Notices, Roads and Reserves, Resumption Notices, records of lithographic work, general expenses, etc., which, although taking up a considerable amount of time, are indispensable.

In conclusion, I may add that the whole staff is constantly employed, and each officer appears to take a personal interest in his work.

I have, etc.,

ALAN H. BARLEE,
Chief Draftsman.

Report on the Registration Branch of the Mines Department.

The Registration Branch, although working with a much smaller staff than during the years of 1896 and 1897, has been kept very busy owing to the attention given by the public lately to several outlying mining centres, such as Mt. Malcolm, Niagara, Tuckanarra, Salgash and others, which have, owing to splendid returns of crushings, brought them into prominence.

This throws a good deal of extra work on the Branch, which, however, is greatly minimised by the splendid system now in use, viz., of keeping the registers at the various District Offices up to date in every detail with those of the Head Office, and also the able manner in which the Inspecting Registrar carries out his duties, in setting right any discrepancy that might have been disclosed.

The registers on the fields and at the Head Office are in a very complete state, which facilitates business in every possible way, and this is greatly appreciated by the public generally. During the year 1,309 Transfers were lodged at the various District Offices, the amount of stamp duty collected on same being £629 19s. 10d., whilst at Head Office 367 only were dealt with, but the duty on which totalled £8,756 1s.

The reason the latter sum is so large in comparison with the former, is that the largest and most important transactions are lodged at Head Office.

These figures show a marked falling off compared with those of the previous year, but is accounted for by the fact that nearly the whole of foreign companies holding leases have completed their titles, and the transactions now going through, with the exception of a few instances, are in favour of investors and working miners.

The *caveats* and *lieus* lodged at District Offices numbered 181 and 76, and at Head Office 60 and 30 respectively.

There were also 27 protection areas outside of a proclaimed goldfield applied for.

Some 850 original instruments of leases and counterparts have been completed, out of which number 366 have been issued.

The following is the number of applications received for gold mining and mineral leases during the year:—

*List of Applications for Gold Mining Leases applied for during Year ending
31st December, 1898.*

Name of District.	No.	Name of District.	No.
Yilgarn	8	Yalgoo	21
Coolgardie	104	Murchison	21
Kunanalling	44	Day Dawn	12
East Coolgardie	29	Mount Magnet	72
North Coolgardie	27	Nannine	32
Ularring	57	Peak Hill	53
Niagara	77	Gascoyne	3
Yerilla	40	West Pilbarra	2
Kanowna	27	Pilbarra	83
Bulong	24	Nullagine	10
Kurnalpi	7	Dundas	36
Broad Arrow	49		
Mount Margaret	56	Total	1,081
Mount Malcolm	136		
East Murchison	51		

*List of Applications for Mineral Leases applied for during Year ending
31st December, 1898.*

Name of District.	No.	Name of District.	No.
Northampton	11	Yalgoo	3
Yandinooka	3	Dundas	1
Coolgardie	1	East Murchison	3
East Coolgardie	9	Nullagine	8
North Coolgardie	2	Collie	4
Broad Arrow	1		
West Pilbarra	11	Total	59
Kanowna	2		

I have, etc.,

S. ROBERTS,

Registrar.

22nd July, 1899.

Report by the Statist to Mines Department.

To the Under Secretary for Mines.

Department of Mines,
Perth, 30th June, 1899.

SIR,

In addition to the compilation of the Gold Mining Statistics, which have been printed separately, the registration of engine-drivers' certificates of competency and service falls also within my province.

Hereunder is a table showing the number of certificates granted, etc., during the year ended 31st December, 1898. Certificates were issued:—

(a.) COMPETENCY.					
Goldfields.	Competency, in exchange for Certificates endorsed (*) N.D.W.E. received prior to 1898.	Competency.	Competency endorsed (*) N.D.W.E.	Exchanged subsequently for Certificates of Competency.	Renewal of Lost Certificates.
Northern Goldfields ... ..	...	19	...	...	...
Central Goldfields	17	† 97	21	of which 7	...
Mt. Margaret, North Coolgardie ... ..	...	10	...	...	...
Broad Arrow ... ..	...	14	...	...	...
East Coolgardie ... ..	...	44	...	...	1
Coolgardie, late Eastern Goldfields ... ..	...	173	...	...	...
Total	17	357	21	7	1

(b.) SERVICE.			
Goldfields.	Service.	Service endorsed (*) N.D.W.E.	Renewal of Lost Certificates.
Northern Goldfields	6	...	...
Central Goldfield	3	...	1
Mt. Margaret, North Coolgardie	4	...	...
Broad Arrow	2	...	...
East Coolgardie	55	...	1
Coolgardie, late Eastern Goldfields	170	1	...
Total	240	1	2

* Signifies not to drive winding engine. † Includes five granted to *ex officio* members of Boards of Examination.

In view of intercepting fraud, I would here suggest the advisability of directing Boards of Examiners to impress upon each such successful candidate the necessity of taking the utmost care of his certificate, to prevent it falling into improper hands; and, that should the document be lost, a new one can only be obtained from the Inspector of the goldfield in which he was examined, and that only on making a declaration as to how the loss occurred, and on payment of Ten shillings fee.

A new departure in the issue of certificates was instituted during the year, whereby the successful candidate receives his diploma *immediately after* examination. This was effected by distributing books of certificates amongst the Inspectors of Mines, and empowering them to grant certificates to duly qualified candidates.

In addition to the Central (Peak Hill, East Murchison, Murchison, Yalgoo) and Eastern (Coolgardie, Yilgarn, Dundas) Goldfields, four new centres were created, viz.:—Northern (Pilbarra, West Pilbarra), Mt. Margaret and North Coolgardie, Broad Arrow and North-East Coolgardie, and East Coolgardie, each certificate issued bearing the consecutive number of its particular centre.

I have, etc.,

J. WALLACE,
Statist.

GOLD MINING STATISTICS

TO

31st DECEMBER, 1898.



GOLD MINING STATISTICS.

LETTER OF TRANSMITTAL.

Statistical Branch,

Department of Mines,

Perth, 30th June, 1899.

SIR,

This is the second occasion on which I have had the honour of preparing the Departmental Gold Mining Statistics, and now I beg to submit, for the information of the Honourable the Minister of Mines, those of 1898, and of all the years previous thereto since the inception of this particular industry in Western Australia.

The contents are as follows:—

TABLE I.—A General Return showing, for each Goldfield and Goldfield District, the area in square miles, the number and area of leases in force, as well as of those for which application has been made, the more important particulars of plant, such as the number of stampers, mills, cyanide vats, and filter presses, the average number of men employed above and underground, with the quantity of ore treated and gold therefrom up to 31st December, 1898.

Figures showing complete details have been given in all instances, and, although a somewhat lengthy process, perfect accuracy is secured by this method. Indeed the attempt to adjust details of tons and ounces to “round numbers” by ignoring the fractions thereof so as to arrive at an absolutely fixed result is always a difficult undertaking, as well as unsatisfactory to those engaged on a statistical *résumé*.

No untreated alluvial (*i.e.*, alluvium which has not been milled) is included in this table; but wherever it has been reported, a note to that effect, showing amounts won, has been made at the foot of the several pages forming Table II.

As in last year's Statistics, the total amount of gold exported has again been shown in juxtaposition with the totals of gold treated, for purposes of comparison. Since the last publication greater research has been made in that direction, so that now each Goldfield has been credited, as far as practicable, with its proper quota of the gold entered for export by H.M. Customs. Briefly, 762,084 tons of ore were operated on during 1898, the result being a return of 960,250 ounces of gold, showing an average of 1oz. 5dwts. 5grs. per ton. To this must be added 8,279 ounces of gold from dollying and from specimens, bringing the total yield to 968,549 ounces. The quantity of ore treated is thus approximately nearly *double*, and the gold therefrom nearly *one-half greater* than in 1897, when 415,424 tons were milled, giving a return of 624,201 ounces. Reference to the figures hereunder set forth bear out conclusively this statement:—

				Tons.		Ounces.
1897	...	...	...	415,424	...	624,201
1898	...	...	...	762,084	...	960,250

TABLE II.—This Table is compiled from the Leaseholders' Quarterly Statements under Regulation 98, as it existed last year, supplemented where necessary by contributions from the Returns published weekly in the *Government Gazette*. If advantage had not been taken of this additional source of information, many crushings would have remained unrecorded, the Department having no power to compel Quarterly Returns from those individuals who had either abandoned their holdings or had them forfeited. Steps were also taken, towards the close of the year, to verify the output from the principal producing mines. An opportunity was thus afforded to owners of rectifying, where necessary, previous errors, and of supplying omitted returns from ores sent out of the Colony for treatment, as many months might possibly have elapsed before such results became available. *En parenthèse*, I may here remark that the advent of the W.A. Smelting Works, Fremantle, should henceforth minify the chances of similar shortages. Further, it was intimated to all concerned that these alterations caused much trouble and unnecessary delay in publication, and for the future it was hoped that there would be no further occasion for such revisions. The typographical sign, parallels (||), has been prefixed to all entries so corrected in the column headed "Previous to 1898." Exigencies of space necessitated an alteration in the form of statistics, the one presented having at least the merit of being more concise than its predecessor. Full particulars, however, of all reported treatments, of tailings cyanided, and of ores smelted are given separately.

These two tables constitute the bulk of the year's work of the Statistical Branch of this Department, but several others, bearing on the Mining Industry, have also been incorporated as addenda, such as a synopsis of the Gold Exports for each year up to 31st December, 1898, with another showing the comparative, progressive, and quarterly output from 1894 to the same date; a return showing the quantity and estimated value of mining machinery; a list of mining accidents, and a summary thereof; together with some miscellaneous information which will be found useful, not only departmentally, but by the public in general. A map has also been supplied by the Drafting Branch to assist those who may wish to make inter-local comparisons based on these statistics.

I have to tender my best thanks to my immediate assistant for his diligence and energy, to the Mining Registrars in particular for their hearty co-operation, and to all officers in general associated with me in the compilation of this work; and with the hope that the publication of full and authentic information concerning its mines may be of the utmost benefit to the Colony in making its vast mineral wealth more widely known.

I have the honour to be,

Sir,

Your obedient servant,

JAMES WALLACE,

Statist.

To the Under Secretary for Mines.

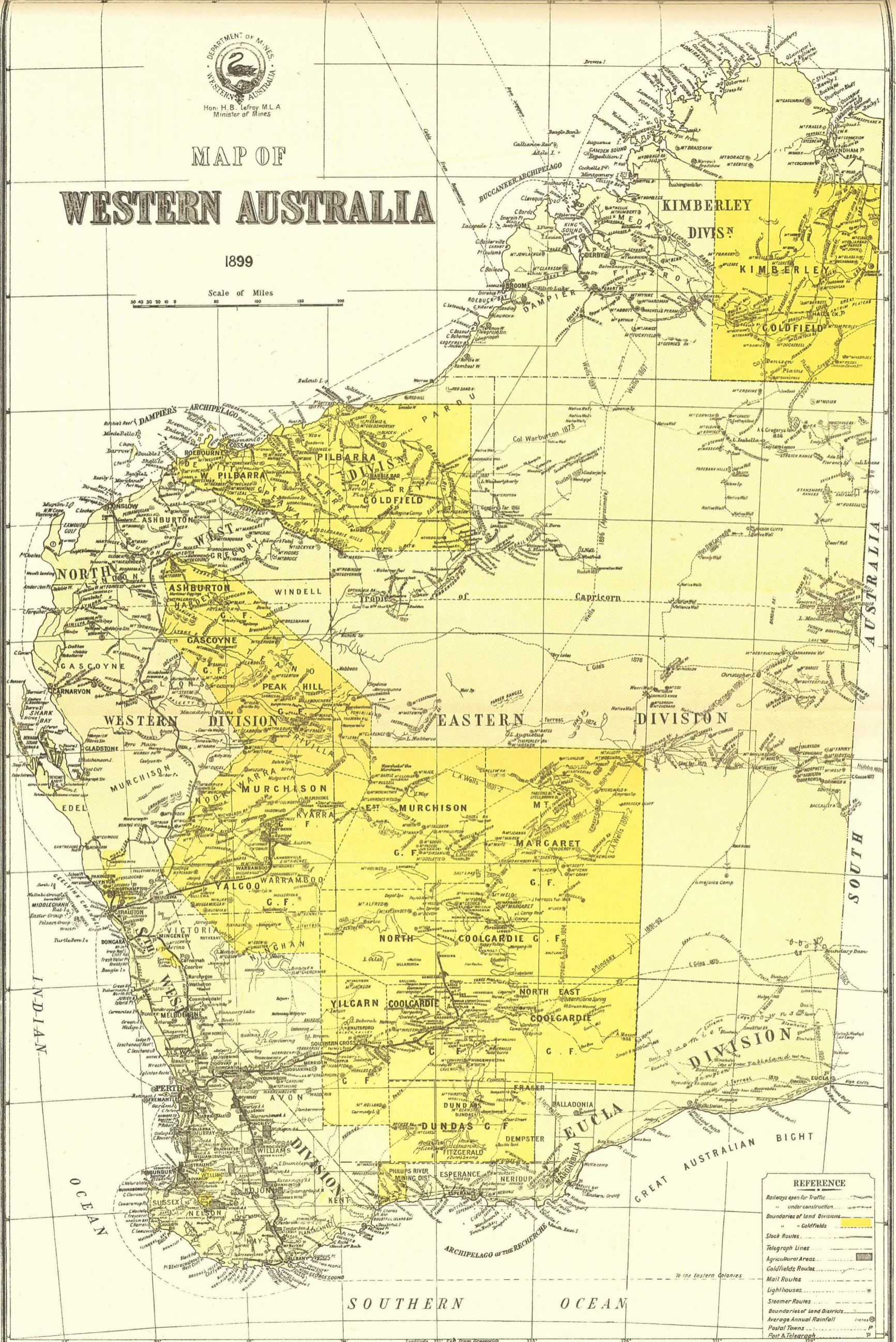


Hon. H. B. Lefroy M.L.A.
Minister of Mines

MAP OF WESTERN AUSTRALIA

1899

Scale of Miles



REFERENCE	
—	Railways open for Traffic
- - -	under construction
---	Boundaries of Land Divisions
■	" Goldfields
—	Stock Routes
—	Telegraph Lines
■	Agricultural Areas
—	Coldfields Routes
—	Mail Routes
—	Lighthouses
—	Steamer Routes
—	Boundaries of Land Districts
—	Average Annual Rainfall
—	Postal Towns
—	Post & Telegraph

GOLD MINING STATISTICS

TO 31ST DECEMBER, 1898.

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Pilbarra Goldfield	10
West Pilbarra Goldfield	14
Ashburton Goldfield	14
Gascoyne Goldfield	16
Peak Hill Goldfield	16
East Murchison Goldfield	18
Murchison Goldfield	22
Yalgoo Goldfield	42
Mount Margaret Goldfield	44
North Coolgardie Goldfield	54
Broad Arrow Goldfield	70
North-East Coolgardie Goldfield	76
East Coolgardie Goldfield	86
Coolgardie Goldfield	90
Yilgarn Goldfield	104
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TABLE No. I.

A General Return showing for each Goldfield and Goldfield District the Area in square miles, the number of Leases, particulars of Plant, and average number of Men employed, with the quantity of Ore treated, and Gold therefrom up to December 31st, 1898.

Geographical Division.	Goldfield.	District.	Warden's Head Quarters.	Area in Square Miles.		Particulars of Plant.				Leases in Force.			Applications for Leases.		Average Number of Persons Employed.		FIRST QUARTER OF 1898.																
				District.	Goldfield.	Number Stamps.	Other Mills.	Cyanide Vats.	Filter Presses.	No.	Area.			No.	Area.		Above ground.	Under ground.	Dollied and Specimens.		Ore Treated.	Gold therefrom.		† Average per ton treated.									
											a.	r.	p.		a.	r.			p.	oz. dwt. gr.		tons cwt. qr. lb.	oz. dwt. gr.		oz. dwt. gr.								
Northern Goldfields.	Kimberley	Hall's Creek	46886	70	1	3	37	1	36	5	54	0	0	5	10	...	100	0	0	0	76	0	0	0	0	1	4		
	Pilbarra ...	Marble Bar ...	Marble Bar ...	25205	65	4	...	...	94	856	0	0	7	7	51	0	0	153	100	...	1265	19	0	0	1607	10	9	1	5	9	
	Do. ...	Nullagine ...	...	9675	34880	30	...	...	15	152	0	0	7	7	52	0	0	13	9	...	154	10	0	0	387	19	0	2	10	1
	West Pilbarra ...	...	Roebourne ...	...	9480	10	1	...	...	8	101	0	0	1	12	0	0	22	33	...	118	6	0	0	206	14	0	1	15	2
	Asliburton	Mt. Mortimer	6992	2	24	0	0	1	12	0	0	6	6	37	0	0		
	Gascoyne	Bangemall	5061	...	1	5	66	0	0	2	24	0	0	5	10		
	Peak Hill	Peak Hill	12194	30	73	864	0	0	23	319	0	0	85	115	62	5	0	0	957	0	0	0	4079	10	0	4	2	16
	East Murchison	Lawlers	28242	97	4	117	1697	0	0	6	59	0	0	191	267	256	0	0	6024	10	0	0	6862	13	16	1	2	18	
	Murchison ...	Cue ...	Cue ...	7917	165	1	6	...	...	90	929	0	0	1	6	0	0	87	149	...	9030	10	0	0	8165	10	16	0	18	2	
	Do. ...	Nannine ...	...	7780	128	...	...	...	...	66	701	0	0	11	144	0	0	115	143	...	6320	0	0	0	4699	18	6	0	14	21
Do. ...	Day Dawn ...	...	728	115	1	9	...	...	62	611	0	0	3	24	0	0	60	101	...	3183	0	0	0	3694	2	20	1	3	5	
Do. ...	Mt. Magnet	4088	20513	80	1	9	...	144	1438	0	0	4	30	0	0	185	314	41	9	0	4656	15	0	0	2339	17	8	0	10	1		
Central Goldfields.	Yalgoo ...	...	Yalgoo ...	18921	94	...	...	...	64	646	0	0	5	34	0	0	113	72	...	738	10	0	0	992	13	0	1	6	21	
	Mt. Margaret ...	Mt. Malcolm ...	Mt. Malcolm ...	2644	133	2	191	3522	0	0	30	474	0	0	304	314	337	10	16	6823	10	0	0	9209	14	13	1	7	0		
	Do. ...	Mt. Margaret ...	...	39510	42154	20	2	...	...	75	1345	0	0	18	274	0	0	60	300	...	498	14	0	0	573	12	6	1	6	3
	North Coolgardie ...	Menzies ...	Menzies ...	3268	183	...	16	...	...	125	1818	2	35	5	28	0	0	293	410	...	5279	0	0	0	11827	13	1	2	4	19	
	Do. ...	Ularring	12256	40	99	1491	0	0	14	209	0	0	85	139	8	12	0	346	14	0	0	1010	1	9	2	18	5	
	Do. ...	Niagara ...	...	779	88	...	...	...	...	78	1002	0	0	28	326	0	0	129	149	...	1522	12	0	0	853	19	8	0	11	5
	Do. ...	Yerilla	14306	30609	65	5	43	651	0	0	31	386	0	0	77	75	110	4	0	310	0	0	38	8	12	0	2	10		
	Broad Arrow	Broad Arrow ...	590	218	1	6	191	2678	0	0	11	151	0	0	209	271	71	9	6	3521	16	0	0	3583	15	19	1	0	8	
	N. E. Coolgardie ...	Kanowna ...	Kanowna ...	1099	...	185	5	11	...	128	1730	0	0	...	...	...	...	156	187	Quartz	8101	1	0	0	4955	9	1	0	12	5
	Do. ...	Bulong	991	...	50	59	916	0	0	4	60	0	0	100	124	229	15	0	2036	4	0	0	2457	8	6	1	4	3	
Do. ...	Kurnalpi ...	...	19452	21542	5	1	...	...	36	545	0	0	...	...	...	26	36	151	1	12	174	0	0	0	94	11	0	0	10	22
Eastern Goldfields.	East Coolgardie ...	...	Kalgoorlie ...	632	323	22	168	50	495	8269	0	0	18	236	0	0	2386	2426	...	52991	13	0	0	77325	11	2	1	9	4			
	Coolgardie ...	Coolgardie ...	Coolgardie ...	9221	321	3	25	...	313	4090	0	0	16	165	0	0	585	739	...	14219	12	0	0	17231	12	12	1	4	5				
	Do. ...	Kunanalling	2753	11974	103	...	27	139	1843	0	0	7	75	0	0	198	229	54	2	0	6203	8	0	0	5257	7	6	0	16	23		
	Yilgarn ...	...	Southern Cross ...	...	15593	115	...	...	46	786	0	0	2	35	0	0	123	179	...	6667	0	0	0	2877	12	12	0	8	15	
	Dundas ...	...	Norseman ...	...	17848	188	4	16	...	127	1594	0	0	6	55	0	0	159	214	...	5673	15	0	8	6695	12	19	1	3	7	
	*Donnybrook ...	...	...	...	...	...	...	...	3	42	0	0	1	12	0	0	9	6	...	...	...	...	...	...	...	...	...	...	...
	324111	2921	59	293	52	2891	40445	0	31	267	3307	0	0	5939	7127	1359	8	10	150164	8	0	8	184662	2	5	1	4	14	

* Not a proclaimed goldfield, area 27½ square miles.

† In calculating these averages fractions of tons and ounces are omitted.

TABLE NO. I.—A General Return for each Goldfield and Goldfield District, etc.—continued.

Geographical Division.	Goldfield.	District.	SECOND QUARTER OF 1898.				THIRD QUARTER OF 1898.				FOURTH QUARTER OF 1898.			
			Dollied and Specimens.	Ore treated.	Gold therefrom.	†	Dollied and Specimens.	Ore treated.	Gold therefrom.	†	Dollied and Specimens.	Ore treated.	Gold therefrom.	†
						Average per ton treated.				Average per ton treated.				Average per ton treated.
oz. dwt. gr.	tons cwt. qr. lb.	oz. dwt. gr.	oz. dwt. gr.	oz. dwt. gr.	oz. dwt. gr.	tons cwt. qr. lb.	oz. dwt. gr.	oz. dwt. gr.	oz. dwt. gr.	tons cwt. qr. lb.	oz. dwt. gr.	oz. dwt. gr.		
Northern Goldfields.	Kimberley	...	...	3 0 0 0	16 8 10	5 9 11	...	...	...	...	72 0 0 0	37 15 0	0 10 11	
	Pilbarra	Marble Bar	102 0 0	1088 3 0 0	2287 7 0	2 2 1	...	778 13 0 0	1624 12 5	2 1 17	...	1908 10 0 0	4125 10 9	2 3 5
	Do.	Nullagine	...	866 10 0 0	1115 1 0	1 5 17	...	463 0 0 0	641 1 0	1 7 16	...	194 10 0 0	522 15 0	2 13 15
Central Goldfields.	West Pilbarra	...	...	76 0 0 0	114 0 0	1 10 0	...	8 0 0 0	6 0 0	0 15 0	...	...	...
	Ashburton	...	29 0 0	...	...	...	...	...	...	...	...	...	...
	Gascoyne	...	...	...	...	...	...	...	...	...	13 10 0	...	...
	Peak Hill	...	2 11 0	676 0 1 0	2319 14 0	3 8 15	104 0 0	900 0 2 0	3151 6 12	3 10 0	200 0 0	1455 1 0 0	5050 0 0	3 9 10
	East Murchison	...	414 16 0	6693 15 3 0	7905 19 22	1 3 14	273 0 6	9157 2 0 0	9362 8 22	1 0 10	171 9 0	10072 12 0 0	11192 15 21	1 2 5
	Murchison	Cue	284 0 0	9100 0 0 0	7135 3 7	0 15 16	...	8094 17 0 0	4927 7 16	0 12 4	...	6257 0 0 0	3500 7 2	0 11 4
	Do.	Naamine	80 18 0	5943 0 0 0	6511 6 17	1 1 21	126 3 10	6215 10 0 0	6803 18 7	1 1 21	60 1 0	6896 10 0 0	5206 12 4	0 15 2
	Do.	Day Dawn	38 9 20	2203 12 0 0	2238 17 17	1 0 7	4 0 0	3679 0 0 0	4674 2 7	1 5 10	6 3 0	2490 10 0 0	3250 7 12	1 6 2
	Do.	Mt. Magnet	201 4 0	5519 17 0 0	3936 16 0	0 14 11	86 10 8	3579 0 0 0	4684 19 6	0 16 4	190 3 20	6875 16 0 0	6317 18 9	0 18 9
	Yalgoo	...	...	1116 0 0 0	856 17 6	0 15 8	...	1054 0 0 0	622 16 0	0 11 19	...	1516 0 0 0	826 12 15	0 10 21
Eastern Goldfields.	Mount Margaret	Mt. Malcolm	...	7374 10 2 0	8744 3 15	1 3 17	...	9287 17 0 0	11630 2 8	1 5 1	...	9724 17 0 0	12280 16 19	1 5 6
	Do.	Mt. Margaret	...	1051 0 0 0	1454 9 12	1 7 16	50 3 0	1450 15 0 0	1916 6 21	1 6 9	...	1355 10 0 0	2845 10 21	2 1 23
	North Coolgardie	Menzies	...	6050 0 0 0	12561 7 0	2 1 12	...	8137 5 0 0	16365 1 20	2 0 5	...	7395 5 0 0	13564 0 0	1 16 16
	Do.	Ularling	...	284 11 0 0	701 17 10	2 9 6	50 7 12	246 8 0 0	552 13 15	2 4 23	191 10 20	566 18 3 5	1599 12 12	2 16 10
	Do.	Niagara	12 15 0	2496 16 0 0	2764 2 6	1 2 3	3 7 0	2709 13 0 0	2910 5 7	1 1 11	6 0 0	3372 7 0 0	3031 9 12	0 18 0
	Do.	Yerilla	200 0 0	785 0 0 0	770 6 0	0 19 15	292 10 0	1654 1 0 0	2215 12 0	1 6 19	49 0 0	876 5 0 0	1188 1 12	1 7 2
	Broad Arrow	...	...	8140 13 1 0	7409 7 10	0 18 4	62 7 6	10712 10 0 0	8540 11 19	0 15 23	1620 3 17	9629 2 0 0	6488 13 9	0 13 9
	N.E. Coolgardie	Kanowna Quartz Cement	22 0 0	5228 6 0 0	5210 5 14	0 19 22	...	5671 5 0 0	5684 15 23	1 0 1	6 10 0	5857 10 0 0	5041 7 13	0 17 5
	Do.	Bulong	133 7 0	10047 2 0 0	16974 9 2	1 13 18	...	16226 12 2 19	26460 15 22	1 12 14	...	16433 1 0 0	17101 2 2	1 0 19
	Do.	Kurnalpi	...	2160 15 0 0	3199 5 14	1 9 14	237 2 0	1925 0 0 0	2011 0 8	1 0 21	335 16 0	2185 0 0 0	2852 7 21	1 6 2
Eastern Goldfields.	East Coolgardie	...	...	478 0 0 0	246 4 12	0 10 7	...	158 11 0 0	135 14 4	0 17 2	...	137 0 0 0	184 7 6	1 6 20
	Do.	...	...	55903 4 0 0	87997 3 0	1 11 11	...	67100 7 0 0	110413 7 13	1 12 21	148 0 0	88329 11 1 0	146507 15 12	1 13 4
	Coolgardie	Coolgardie	560 19 10	19209 3 2 0	19377 19 19	1 0 4	223 1 5	22423 16 3 0	19508 0 17	0 17 9	...	22513 19 2 0	19440 3 23	0 17 6
	Do.	Kunanalling	219 16 12	6920 14 0 0	5713 13 14	0 16 12	7 0 0	8473 8 0 0	6221 19 1	0 14 16	94 0 0	7658 6 0 0	5710 6 12	0 14 21
	Yilgarn	...	...	7501 2 0 0	3167 15 19	0 8 10	...	6833 5 0 0	2882 6 6	0 8 10	...	6806 0 0 0	2841 13 12	0 8 9
Dundas	...	...	6552 15 0 0	8749 1 9	1 6 17	...	7317 6 0 0	8494 7 17	1 3 5	5 12 0	11384 11 0 0	12943 15 17	1 2 17	
* Donnybrook	...	...	...	...	...	...	...	...	...	...	18 0 0 0	14 13 0	0 16 16	
			2301 16 18	173469 10 1 0	219529 2 19	1 5 8	1519 11 23	206468 1 3 19	262441 13 12	1 5 12	3097 19 9	231981 12 2 5	293616 11 11	1 5 5

* Not a proclaimed Goldfield, area 27½ square miles.

† In calculating these averages fractions of tons and ounces are omitted.

TABLE NO. 1.—A General Return for each Goldfield and Goldfield District, etc.—continued.

Geographical Division.	Goldfield.	District.	TOTAL FOR 1898.			TOTAL PREVIOUS TO 1898.			
			Dolled and Specimens.	Ore Treated.	Gold therefrom.	Ounces from Unknown Tons.	Dolled and Specimens	Ore Treated.	Gold therefrom.
			oz. dwt. gr.	tons cwt. qr. lb.	oz. dwt. gr.	oz. dwt. gr.	oz. dwt. gr.	tons cwt. qr. lb.	oz. dwt. gr.
Northern Goldfields.	Kimberley	...	...	175 0 0 0	130 3 10	...	...	13583 0 0 0	12963 5 23
	Pilbarra	Marble Bar	102 0 0	5041 5 0 0	9644 19 23	2082 0 0	...	15095 14 0 0	30920 5 21
	Do.	Nullagine	...	1678 10 0 0	2666 16 0	...	...	1164 2 0 0	2293 10 10
Central Goldfields.	West Pilbarra	...	...	202 6 0 0	326 14 0	...	...	768 17 0 0	1197 19 10
	Ashburton	...	66 0 0	...	...	...	197 0 0	...	...
	Gascoyne	...	13 10 0	...	...	...	6 16 0	1 7 0 0	6 15 0
	Peak Hill	...	368 16 0	4018 1 3 0	14600 10 12	4551 11 23	398 15 0	3395 2 0 0	17003 0 19
	East Murchison	...	1115 5 6	31947 19 3 0	35323 18 9	...	443 3 8	13230 0 0 0	22506 14 7
	Murchison	Cue	284 0 0	32482 7 0 0	23728 8 17	1072 0 0	40 0 0	43152 10 0 0	43896 1 12
	Do.	Nannine	267 2 10	25375 0 0 0	23221 15 10	...	421 6 12	36864 10 0 0	35098 3 4
	Do.	Day Dawn	48 12 20	11556 2 0 0	13857 10 8	...	743 2 0	64591 0 0 0	74052 12 15
	Do.	Mount Magnet	519 7 4	22842 7 0 0	17329 10 23	...	2537 5 0	38200 16 0 0	44887 18 17
	Yalgoo	...	...	4424 10 0 0	3298 18 21	...	...	6154 19 1 12	10682 15 21
Eastern Goldfields.	Mount Margaret	Mount Malcolm	397 10 16	33210 14 2 0	41864 17 7	...	2018 5 0	12065 14 3 0	23156 7 1
	Do.	Mount Margaret	50 3 0	4295 19 0 0	6789 19 12	...	300 0 0	1364 0 0 0	1520 15 0
	North Coolgardie	Menzies	...	26861 10 0 0	54318 1 21	...	...	40660 1 0 0	79693 4 20
	Do.	Ularring	250 10 8	1444 11 3 5	3864 4 22	...	103 19 12	267 0 0 0	701 9 15
	Do.	Niagara	22 2 0	10101 8 0 0	9559 16 9	...	...	2990 11 0 0	741 17 8
	Do.	Yerilla	651 14 0	3625 6 0 0	4212 8 0	275 0 0	3187 18 10	3188 13 0 0	3502 3 20
	Broad Arrow	...	1754 0 5	32004 1 1 0	25972 8 9	250 0 0	27 4 0	21172 10 0 0	23316 11 18
	North-East Coolgardie	Kanowna { Quartz... Cement	28 10 0	24858 2 0 0	20891 18 3	...	296 4 12	27365 11 0 0	28243 15 11
	Do.	Bulong	936 0 0	8306 19 0 0	10520 2 1	...	720 0 0	6669 0 0 0	9091 0 0
	Do.	Kurnalpi	151 1 12	947 11 0 0	660 16 22	...	...	194 0 0 0	160 2 0
East Coolgardie	...	148 0 0	264324 15 1 0	422243 17 3	500 0 0	46 3 0	164592 1 1 7	440046 13 6	
Coolgardie	Coolgardie	784 0 15	78366 11 3 0	75557 16 23	...	77 6 12	68746 4 1 0	112623 8 7	
Do.	Kumanalling	374 18 12	29255 16 0 0	22903 6 9	...	159 10 12	18857 8 0 0	26112 19 14	
Yilgarn	...	...	27807 7 0 0	11769 8 1	...	738 3 12	210913 0 0 0	110529 4 21	
Dundas	...	...	5 12 0	30928 7 0 8	36792 17 14	...	77 10 0	18902 19 2 0	23185 18 10
*Donnybrook	...	...	...	18 0 0 0	14 13 0	...	...	...	...
			8278 16 12	762083 12 3 4	960249 9 23	8730 11 23	12539 12 18	835650 11 0 19	1178134 14 22

* Not a proclaimed goldfield, area 27½ square miles

TABLE NO. I.—A General Return for each Goldfield and Goldfield District, etc.—continued.

Geographical Division.	Goldfield.	District.	TOTAL GOLD PRODUCTION.						QUANTITY OF GOLD EXPORTED.																							
			Ounces from Unknown Tons.		Dollied and Specimens.		Ore treated.		Gold therefrom.		Average per ton Treated.		During 1898.		Previous to 1898.		Total.		‡ Value.													
			oz.	dwt	gr.	oz.	dwt.	gr.	tons.	cwt.	qr.	lb.	oz.	dwt.	gr.	oz.	dwt.	gr.	oz.	dwt.	gr.	£	s.	d.								
Northern Goldfields.	Kimberley ... ..	...	...	...	...	18758	0	0	0	13093	9	9	0	19	0	287	17	17	23927	8	8	24215	6	1	92018	2	11			
	Pilbarra	Marble Bar	2082	0	0	102	0	0	20136	19	0	0	40565	5	20	2	0	6	11662	11	5	123234	9	19	134897	1	0	512608	15	10		
	Do.	Nullagine ... ..	...	...	...	...	...	...	2842	12	0	0	4960	6	10	1	14	21	...	...	...	134897	1	0	512608	15	10			
Central Goldfields.	West Pilbarra ... ..	...	...	...	...	971	3	0	0	1524	13	10	1	11	9	a	2028	5	10	...	...	...	2028	5	10	7707	8	7		
	Ashburton ... ..	...	...	...	263	0	0	1	7	0	0	6	15	0	5	0	0	0	449	17	12	3840	10	20	4290	8	8	16303	11	8
	Gascoyne ... ..	...	...	...	20	6	0	7913	3	3	0	31603	11	7	3	19	20	b	13736	17	1	5110	0	0	18846	17	1	71618	0	9
	Peak Hill	4551	11	23	767	11	0	45177	19	3	0	57830	12	16	1	5	14	b	39563	7	0	9453	16	6	49017	3	6	186265	4	4
	East Murchison ... ..	...	...	...	...	...	1558	8	14	75834	17	0	0	67624	10	5	0	17	21	...	...	...	49017	3	6	186265	4	4		
	Murchison	Cue	1072	0	0	324	0	0	688	8	22	62239	10	0	0	58319	18	14	0	18	17	...	...	...	413896	12	16	1572807	4	1
	Do.	Nannine ... ..	...	...	...	791	14	20	76147	2	0	0	87910	2	23	1	3	2	93667	3	6	320229	9	10	413896	12	16	1572807	4	1
	Do.	Day Dawn ... ..	...	...	...	688	8	22	61043	3	0	0	69217	9	16	1	0	9	...	...	...	320229	9	10	413896	12	16	1572807	4	1
	Do.	Mount Magnet	3036	12	4	10579	9	1	12	13951	14	18	1	6	10	c	3756	7	16	2034	4	15	5790	12	7	22004	6	8	
	Yalgoo ... ..	...	...	...	...	...	...	...	10579	9	1	12	13951	14	18	1	6	10	...	...	...	2034	4	15	5790	12	7	22004	6	8
	Mt. Margaret	Mount Malcolm	2355	15	16	45276	9	1	0	65021	4	8	1	8	17	b	43266	13	20	8685	14	14	51952	8	10	197419	4	0	
Do.	Mt. Margaret ... ..	...	...	...	350	3	0	5659	19	0	0	8310	14	12	1	9	8	...	...	...	8685	14	14	51952	8	10	197419	4	0	
Eastern Goldfields.	North Coolgardie	Menzies ... ..	...	...	...	67521	11	0	0	134011	6	17	1	19	16	...	...	...	...	...	...	162341	18	20	616899	7	7			
	Do.	Ularring ... ..	...	...	...	1711	11	3	5	4565	14	13	2	13	8	d	70625	6	4	91716	12	16	162341	18	20	616899	7	7		
	Do.	Niagara ... ..	...	...	...	354	9	20	13091	19	0	0	10391	13	17	0	15	17	...	...	...	91716	12	16	162341	18	20	616899	7	7
	Do.	Yerilla	22	2	0	6813	19	0	0	7714	11	20	1	2	15	e	24631	8	20	4159	5	9	28790	14	5	109404	14	0	
	Broad Arrow	275	0	0	3839	12	10	53176	11	1	0	49259	0	3	0	18	17	4159	5	9	28790	14	5	109404	14	0	
	Do.	259	0	0	1781	4	5	52223	13	0	0	49135	13	14	0	18	19	4159	5	9	28790	14	5	109404	14	0	
	N.E. Coolgardie	Kanowna { Quartz Cement	324	14	12	45983	4	2	19	68183	10	22	1	9	16	d	125240	9	19	37018	19	23	162259	9	18	616586	1	1	
	Do.	Bulong ... ..	...	...	...	1656	0	0	14975	19	0	0	19611	2	1	1	6	4	...	...	...	37018	19	23	162259	9	18	616586	1	1
	Do.	Kurnalpi ... ..	...	...	...	151	1	12	1141	11	0	0	820	18	22	0	14	9	...	...	...	37018	19	23	162259	9	18	616586	1	1
	East Coolgardie	500	0	0	194	3	0	428916	16	2	7	86290	10	9	2	0	4	d	450312	5	10	385324	6	1	835636	11	11	3175418	19	6
Coolgardie	Coolgardie ... ..	...	...	...	861	7	3	147112	16	0	0	188181	5	6	1	5	14	f	127227	1	8	403877	6	6	531104	7	14	2018196	12	10
Do.	Kunanalling ... ..	...	...	...	534	9	0	48113	4	0	0	49016	5	23	1	0	9	...	...	...	403877	6	6	531104	7	14	2018196	12	10	
Yilgarn ... ..	...	...	...	...	738	3	12	298720	7	0	0	122298	12	22	0	10	5	...	...	...	199728	14	0	211424	17	13	803414	10	8	
Dundas ... ..	...	...	...	...	83	2	0	50831	6	2	8	59978	16	0	1	3	14	g	32031	16	6	24279	7	14	56311	3	20	213982	10	7
* Donnybrook ... ..	...	...	...	...	...	...	...	18	0	0	0	14	13	0	0	16	16	...	...	...	24279	7	14	56311	3	20	213982	10	7	
			8730	11	23	20818	9	6	1597734	3	3	23	2138384	4	21	1	6	19	1050183	11	23	1642620	5	17	2692803	17	16	10232654	15	1		

* Not a proclaimed Goldfield; area 27½ square miles. † In calculating these averages fractions of tons and ounces are omitted. ‡ Valuation at 43 16s. per oz. a. Prior to 1st May, 1898, included with Pilbarra. b. From 1st August, 1897. c. Prior to 1st April, 1897, included with Murchison. d. Prior to 1st May, 1896, included with Coolgardie. e. From 1st September, 1897. f. Declared 5th April, 1894, to which date included with Yilgarn. g. Prior to 1893 included with Yilgarn.

A Return of all Ore Treated and Yield of Gold

Kimberley

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
THE BROCKMAN—					
48	Afghan	(Forfeited)			
40	Brockman King	(Forfeited)			
30	Faugh-a-Ballagh	(Forfeited)			
53	Golden Crown	(Forfeited)			
	Lady Margaret				
	Do. No. 1 North				
	Do. No. 5 North				
141A Claim	Mt. Bradley Tunnelling Co.				
	Right Bower				
10	Southern Cross	(Forfeited)			
HALL'S CREEK—					
	Black Mount				
	Gladstone				
	Jackson's Reef				
43	Jubilee	(Forfeited)			
1	Lady Broome				
	Do. No. 1 North				
THE MARY—					
60	Reform	(Forfeited)			
MT. DOCKRELL—					
47	Lady Hopetoun	(Forfeited)			
7	Victoria	(Forfeited)			
THE PANTON—					
54	Comet	(Forfeited)			
Claim	Nil Desperandum				
58	Perseverance	(Forfeited)			
59	Star of Kimberley	(Forfeited)			
RUBY CREEK—					
61	Ruby Queen			100 0 0	76 0 0
44	Do. No. 1 North	(Forfeited)			
42	Rising Sun	(Forfeited)			
	Rose				
31	Sunny Corner	(Forfeited)			
46	St. Lawrence				
141 Claim	Union				
24	West and Left	(Forfeited)			
				100 0 0	76 0 0
	ALLUVIAL				

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
THE BROCKMAN—					
48	Afghan	(Forfeited)			
40	Brockman King	(Forfeited)			
30	Faugh-a-Ballagh	(Forfeited)			
53	Golden Crown	(Forfeited)			
	Lady Margaret				
	Do. No. 1 North				
	Do. No. 5 North				
141A Claim	Mt. Bradley Tunnelling Co.			72 0 0	37 15 0
	Right Bower				
10	Southern Cross	(Forfeited)			
HALL'S CREEK—					
	Black Mount				
	Gladstone				
	Jackson's Reef				
43	Jubilee	(Forfeited)			
1	Lady Broome				
	Do. No. 1 North				
THE MARY—					
60	Reform	(Forfeited)			
MT. DOCKRELL—					
47	Lady Hopetoun	(Forfeited)			
7	Victoria	(Forfeited)			
THE PANTON—					
54	Comet	(Forfeited)			
Claim	Nil Desperandum			3 0 0	16 8 10
58	Perseverance	(Forfeited)			
59	Star of Kimberley	(Forfeited)			
RUBY CREEK—					
61	Ruby Queen			100 0 0	76 0 0
44	Do. No. 1 North	(Forfeited)			
42	Rising Sun	(Forfeited)			
	Rose				
31	Sunny Corner	(Forfeited)			
46	St. Lawrence				

Pilbarra
MARBLE BAR

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
409 ... ..	...	Bamboo Queen and Reward Mines, Ltd.	...	120 0 0	68 0 0
Amalg. Leases, 193, 161	...	Bamboo Con. G.M. Co. ...	...	...	...
462	Federation ... ..	...	...	...	...
46, 49 ... ..	...	Mt. Prophecy and Perseverance G.Ms., Ltd.	...	82 10 0	257 0 0
119	Nil Desperandum ... ..	...	...	14 0 0	25 18 0
171 ... ..	...	Pilbarra Syndicate, Ltd. ...	...	...	...
62, 76, 407, 408, 471 ...	...	Pilbarra Goldfields, Ltd. ...	...	716 0 0	699 0 0
432	Premier ... ..	...	...	...	...
71	Tasmanian	Proprietary Bamboo Creek } G.M. Co. }	...	115 0 0	119 15 0
187	Timbuctoo No. 1 ... ..	...	...	...	...
500	Admiral Dewey ... ..	...	...	...	...
401	Augusta No. 1 South ... ..	...	...	...	...
495	Aunt Sally ... ..	...	...	...	...
394	Auraria ... ..	...	...	...	...
544	Black and White ... ..	...	...	...	...
546	Black Shepherd ... ..	...	...	...	...
505	Bow Bells ... ..	...	...	...	...
524	Bow Bells No. 1 ... ..	...	...	...	...
410	Brilliant ... ..	...	...	...	...
484	Britannia ... ..	...	...	...	...
...	Campbell & others P.A.	...	...	...	...
...	Carlsen's P.A. No. 92 ...	...	...	...	...
519	Carnoustie ... ..	...	...	...	...
534	Chance ... ..	...	...	...	...
Amalg. Leases, 7, 280	...	Consolid. G.Ms., W.A., Ltd.	...	...	...
510	Columbia ... ..	...	...	...	...
446	Cremorne ... ..	...	...	...	...
508	Criterion ... ..	...	...	...	...
492	Cuban ... ..	...	...	...	...
521	Cuttly Sark ... ..	...	...	...	...
541	Daisy ... ..	...	...	...	...
477	Dawson City ... ..	...	...	...	...
475	Dead Camel ... ..	...	...	...	...
451	Eastern ... ..	...	...	14 0 0	34 4 0
463	Eastern No. 1 ... ..	...	...	...	...
223	Eldorado No. 1 W. ... ..	...	...	...	...
...	Farrington Reward ... ..	...	...	...	...
456	Federal ... ..	...	...	...	...
...	Forbes' P.A. 51 ... ..	...	...	...	...
483	Gauntlett ... ..	...	...	...	...
485	General ... ..	...	...	...	...
487	Gift ... ..	...	...	...	...
...	Great Unknown ... ..	...	...	...	...
...	Harper's P.A. ... ..	...	...	...	...
...	Hartigan P.A. ... ..	...	...	2 0 0	8 6 0
472	Homeward Bound ... ..	...	...	27 5 0	74 10 0
124, 213, 214, 215, 230, 291, 290	...	Imp. W.A. Corporation, Ltd.	...	...	...
2	Ironclad ... ..	...	...	...	...
458	Jubilee (Talga Talga) ...	...	...	33 0 0	45 18 0
479	Juneau ... ..	...	...	...	...
155, 164, 165	Just-in-Time ... ..	...	...	...	...
464	Kirkpatrick ... ..	...	...	...	...
473	Klondyke ... ..	...	...	...	...
507	Klondyke Block ... ..	...	...	...	...
476	Klondyke Boulder ... ..	...	...	...	...
474	Klondyke No. 1 ... ..	...	...	...	...
488	Klondyke Queen ... ..	...	...	...	...
503	Klondyke Queen Ex- tended }	...	...	...	...
94-RC	Kopeke's Reward (Sal- gash) ... ..	...	...	2 10 0	33 12 9
455	Kushmattie ... ..	...	...	...	...
538	Lady Adelaide ... ..	...	...	...	...
288	Marble Bar ... ..	...	...	...	...
147, 148	McPhee's Reward	McPhee's Reward, Ltd.	...	...	...
468	Mt. Ada ... ..	...	...	...	...
105 ... ..	...	Pilbarra United G.Ms., Ltd.	...	...	...
514	Nelson ... ..	...	...	...	...
470	Pillindinni ... ..	...	...	...	...
489	Princess Alaska ... ..	...	...	...	...
549	Queen of the West (late 210 White Angel) ... ..	...	...	...	...
457	Robert Bruce ... ..	...	...	21 0 0	22 18 0
3, 21, 157, 160	Rintoul's P.A.	Stray Shot and Excelsior Gold Mines, Ltd.	...	56 14 0	68 8 0
...	Spinaway ... ..	...	...	...	...
493	St. George ... ..	...	...	...	...
...	Star of the Nor'-West ...	...	...	...	...
...	Salgash P.A. ... ..	...	...	...	...
170	Talfa ... ..	...	...	...	...
...	The General, P.A. 93 ... ..	...	...	52 0 0	93 7 0
338	Trafalgar ... ..	...	...	...	...
396	Trilby ... ..	...	...	10 0 0	56 14 0
252	Tambourah King ... ..	...	...	...	...
491	Uncle Tom ... ..	...	...	...	...
548	Wanganui ... ..	...	...	...	...
536	Western Chief ... ..	...	...	...	...
254, 255, 256, 258	...	World's Fair G.M. Co. ...	...	...	...
465	Young Australian ... ..	...	...	...	...
...	Not known (Smith) ... ..	...	...	...	...
...	ALLUVIAL ... ..	...	...	1265 19 0	1607 10 9

Goldfield.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...
...	...	...	...	110 0 0	123 0 0	...	126 0 0	300 0 0
...	...	...	...	120 0 0	314 0 0	...	70 0 0	157 10 0
...	...	...	...	22 0 0	29 10 0	...	23 0 0	28 7 0
...	...	...	...	...	...	...	36 0 0	34 0 0
...	...	...	...	...	...	...	554 0 0	3.9 4 0
...
...	...	...	...	...	...	...	7 0 0	11 13 0
...	...	...	...	...	...	...	8 9 0	4 11 0
...	...	...	...	...	...	...	13 10 0	12 15 0
...	...	...	...	...	...	...	17 15 0	48 5 0
...	...	...	...	...	...	...	16 6 0	101 8 0
...	...	...	...	11 0 0	90 15 0	...	44 0 0	61 13 0
...	...	...	...	12 0 0	10 10 0	...	...	...
...	35 0 0	21 12 0	...	9 10 0	19 17 0	...	...	...
...	10 5 0	37 8 0	...	...	...	...	...	...
...	...	...	...	24 8 0	102 6 6	...	21 0 0	75 16 0
...	...	...	...	...	...	...	4 0 0	8 7 0
...	...	...	...	73 10 0	79 1 0	...	39 0 0	80 0 0
...	...	...	...	10 0 0	14 15 0	...	...	...
...	...	...	...	...	...	...	8 0 0	3 6 0
...	...	...	...	4 15 0	10 2 0	...	5 0 0	17 1 12
...
...	...	...	...	9 0 0	2 2 0	...	5 14 0	10 11 0
...	...	...	...	...	...	...	16 12 0	4 16 0
...	...	...	...	...	...	...	2 10 0	9 2 0
...	...	...	...	...	...	...	100 0 0	120 4 0
...	...	...	...	...	...	...	23 0 0	28 15 0
...
...	11 0 0	15 5 0	...	...	...	...	...	...
...	103 0 0	103 0 0	...	...	...	...	...	...
...	7 14 0	108 6 0	...	34 10 0	289 12 0	...	64 0 0	33 0 0
...	...	...	...	43 0 0	44 12 0	...	...	...
...	...	...	...	9 0 0	15 8 0	...	2 16 0	8 2 0
...
...
...	25 0 0	77 0 0	...	179 0 0	91 5 0	...	18 10 0	18 8 0
...	12 0 0	34 13 0	...	...	...	...	...	...
...	...	...	...	...	...	...	21 10 0	7 10 10
...	...	...	...	...	...	...	5 15 0	5 11 0
...	...	...	...	...	...	...	5 0 0	0 18 0
...	88 0 0	208 10 0	...	...	...	...	58 10 0	397 0 0
...	4 10 0	439 0 0	...	...	...	...	37 0 0	764 0 0
...	8 4 0	69 8 12	...	10 5 0	66 13 6	...	72 0 0	243 1 0
...	...	...	...	5 0 0	37 15 7	...	...	...
...	...	...	...	4 10 0	9 15 0	...	5 8 0	4 0 4
...	...	...	...	14 10 0	65 0 0	...	14 0 0	61 19 7
...	54 10 0	78 13 0	...	...	...	...	35 5 0	62 16 0
...	...	...	...	...	...	...	11 0 0	15 14 0
...	49 0 0	146 16 0	...	9 5 0	53 6 0	...	...	...
...	...	...	...	...	...	...	1 5 0	5 5 19
*82 0 0	...	...	...	...	...	...	11 0 0	33 11 5
...	...	...	...	...	...	...	1 10 0	2 5 0
...
...	73 0 0	99 5 12	...	43 10 0	31 7 10	...	6 0 0	5 8 0
...	...	...	...	...	...	...	34 0 0	153 10 0
...	...	...	...	20 0 0	124 0 0	...	...	...
...	...	...	...	...	...	...	26 0 0	33 0 0
...	118 0 0	189 0 0	...	...	...	...	...	...
...	...	...	...	...	...	...	25 5 0	66 2 0
...	30 0 0	42 0 0	...	...	...	...	100 0 0	440 0 0
...	...	...	...	...	...	...	9 0 0	7 0 0
...	412 0 0	505 12 0	...	...	...	...	183 0 0	225 0 0
...	31 10 0	54 18 0	...	...	...	...	20 0 0	15 4 0
*20 0 0	15 10 0	57 0 0	...	...	...	...	...	...
102 0 0	1088 3 0	2287 7 0	...	778 13 0	1624 12 5	1000 0 0	1908 10 0	4125 10 9

* Dollied.

Pilbarra
MARBLE BAR

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
409	...	Bamboo Queen and Reward Mines, Ltd.	...	120 0 0	68 0 0
Amalg. Leases, 193, 161	...	Bamboo Con. G.M. Co.	...	236 0 0	423 0 0
462	Federation	...	...	...	...
46, 49	...	Mt. Prophecy and Perseverance G.Ms., Ltd.	...	272 10 0	728 10 0
119	Nil Desperandum	...	...	59 0 0	83 15 0
171	...	Pilbarra Syndicate, Ltd.	...	36 0 0	34 0 0
62, 76, 407, 408, 471	...	Pilbarra Goldfields, Ltd.	...	1270 0 0	1098 4 0
432	Premier	...	...	...	...
71	Tasmanian	Proprietary Bamboo Creek	...	122 0 0	131 8 0
187	Timbuctoo No. 1	G.M. Co.	...	...	...
500	Admiral Dewey	...	...	8 9 0	4 11 0
401	Augusta No. 1 South	...	...	...	...
495	Aunt Sally	...	...	13 10 0	12 15 0
394	Auraria	...	...	...	...
544	Black and White	...	...	17 15 0	48 5 0
546	Black Shepherd	...	...	16 6 0	101 8 0
505	Bow Bells	...	...	55 0 0	152 8 0
524	Bow Bells No. 1	...	...	12 0 0	10 10 0
410	Brilliant	...	...	35 0 0	21 12 0
484	Britannia	...	...	9 10 0	19 17 0
	Campbell and others P.A.	...	...	10 5 0	37 8 0
	Carlsen's P.A. No. 92	...	...	...	...
519	Carnoustie	...	...	45 8 0	178 2 6
534	Chance	...	...	4 0 0	8 7 0
Amalg. Leases, 7, 280	...	Consolid. G.Ms., W.A., Ltd.	...	112 10 0	159 1 0
	...	Do. do.	...	...	...
510	Columbia	...	...	10 0 0	14 15 0
446	Cremorne	...	...	...	...
508	Criterion	...	...	8 0 0	3 6 0
492	Cuban	...	...	5 0 0	17 1 12
521	Cutty Sark	...	...	4 15 0	10 2 0
541	Daisy	...	...	5 14 0	10 11 0
477	Dawson City	...	...	25 12 0	6 18 0
475	Dead Camel	...	...	2 10 0	9 2 0
451	Eastern	...	...	114 0 0	154 8 0
463	Eastern No. 1	...	...	23 0 0	28 15 0
223	Eldorado No. 1 W.	...	...	...	...
	Farrington Reward	...	...	...	...
456	Federal	...	...	11 0 0	15 5 0
	Forbes' P.A. 51	...	...	103 0 0	103 0 0
483	Gauntlett	...	...	106 4 0	430 18 0
485	General	...	...	43 0 0	44 12 0
487	Gift	...	...	11 16 0	23 10 0
	Great Unknown	...	...	...	...
	Harper's P.A.	...	...	...	...
	Hartigan's P.A.	...	...	2 0 0	8 6 0
472	Homeward Bound	...	...	249 15 0	261 3 0
124, 213, 214, 215, 230, 291, 290	...	Imp. W.A. Corporation, Ltd.	...	12 0 0	34 13 0
2	Ironclad	...	...	21 10 0	7 10 10
458	Jubilee (Talga Talga)	...	...	33 0 0	45 18 0
479	Juneau	...	...	5 15 0	5 11 0
155, 164, 165	Just-in-Time	...	...	5 0 0	0 18 0
464	Kirkpatrick	...	...	88 0 0	208 10 0
473	Klondyke	...	...	63 0 0	836 0 0
507	Klondyke Block	...	...	37 0 0	764 0 0
476	Klondyke Boulder	...	...	90 9 0	379 2 18
474	Klondyke No. 1	...	...	5 0 0	37 15 7
488	Klondyke Queen	...	...	...	...
503	Klondyke Queen Ex- tended	...	...	9 18 0	13 15 4
94rc	Kopecke's Reward (Salgash)	...	...	31 0 0	160 11 16
455	Kushmattie	...	...	54 10 0	78 13 0
538	Lady Adelaide	...	...	35 5 0	62 16 0
288	Marble Bar	...	...	11 0 0	15 14 0
147, 148	McPhee's Reward	McPhee's Reward, Ltd.	...	...	...
468	Mt. Ada	...	...	58 5 0	200 2 0
105	...	Pilbarra United G.Ms., Ltd.	...	...	...
514	Nelson	...	...	1 5 0	5 5 19
470	Pillindinni	...	...	82 0 0	...
489	Princess Alaska	...	...	11 0 0	33 11 5
549	Queen of the West (late 210 White Angel)	...	...	1 10 0	2 5 0
457	Robert Bruce	...	...	21 0 0	22 18 0
3, 21, 157, 160	Rintoul's P.A.	Stray Shot and Excelsior Gold Mines, Ltd.	...	179 4 0	204 8 22
	Spinaway	...	...	34 0 0	153 10 0
493	St. George	...	...	20 0 0	124 0 0
	Star of the Nor'-West	...	...	...	...
	Salgash P.A.	...	...	...	...
170	Talga	...	...	26 0 0	33 0 0
	The General, P.A. 93	...	...	170 0 0	282 7 0
388	Trafalgar	...	...	...	...
396	Trilby	...	...	35 5 0	122 16 0
252	Tambourah King	...	...	30 0 0	42 0 0
494	Uncle Tom	...	...	100 0 0	440 0 0
548	Wanganui	...	...	9 0 0	7 0 0
536	Western Chief	...	...	183 0 0	225 0 0
254, 255, 256, 258	...	World's Fair G.M. Co.	...	412 0 0	505 12 0
465	Young Australian	...	...	51 10 0	70 2 0
	Not known (Smith)	...	...	20 0 0	57 0 0
	ALLUVIAL	...	...	102 0 0	5041 5 0
					9644 19 23

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dolled and Specimens.	Ore treated.	Gold therefrom.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	1170 0 0	2231 0 0	...	1290 0 0	2299 0 0	1 15 15	
...	1343 10 0	2853 0 0	...	1579 10 0	3276 0 0	2 1 11	3 19 0
...	34 10 0	50 11 0	...	34 10 0	50 11 0	1 9 7	
...	1067 0 0	2705 0 0	...	1339 10 0	3433 10 0	2 11 6	3 5 0
...	28 0 0	28 6 0	...	87 0 0	112 1 0	1 5 17	
...	60 0 0	85 0 0	...	96 0 0	119 0 0	1 4 19	4 0 0
...	829 0 0	1948 0 0	...	2099 0 0	3046 4 0	1 9 0	4 0 0
...	40 0 0	88 0 0	...	40 0 0	88 0 0	2 4 0	
...	1311 0 0	3271 0 0	...	1433 0 0	3402 8 0	2 7 11	3 17 0
...	...	...	...	8 9 0	4 11 0	0 10 18	
...	66 0 0	149 12 0	...	66 0 0	149 12 0	2 5 8	
...	...	...	...	13 10 0	12 15 0	0 18 21	
...	50 0 0	30 0 0	...	50 0 0	30 0 0	0 12 0	
...	...	...	...	17 15 0	48 5 0	2 14 8	3 2 6
...	...	...	...	16 6 0	101 8 0	6 4 10	3 5 0
...	...	...	...	55 0 0	152 8 0	2 15 10	3 15 0
...	...	...	...	12 0 0	10 10 0	0 17 12	
...	...	...	...	35 0 0	21 12 0	0 12 8	
...	...	...	...	9 10 0	19 17 0	2 1 19	
...	14 10 0	16 13 0	...	24 15 0	54 1 0	2 3 16	
...	9 10 0	12 6 0	...	9 10 0	12 6 0	1 5 21	
...	...	...	...	45 8 0	178 2 6	3 18 11	3 7 6
...	...	...	...	4 0 0	8 7 0	2 1 18	3 14 0
...	1200 10 0	1217 18 9	...	1313 0 0	1376 19 9	1 1 0 23	3 10 0
...	
...	265 0 0	549 5 0	...	10 0 0	14 15 0	1 9 12	
...	...	...	...	265 0 0	549 5 0	2 1 10	
...	...	...	...	8 0 0	3 6 0	0 8 6	3 15 0
...	...	...	...	5 0 0	17 1 12	3 8 7	
...	...	...	...	4 15 0	10 2 0	2 2 12	
...	...	...	...	5 14 0	10 11 0	1 17 0	4 0 0
...	...	...	...	25 12 0	6 18 0	0 5 9	
...	...	...	...	2 10 0	9 2 0	3 12 19	3 10 0
...	...	...	...	114 0 0	154 8 0	1 7 2	3 5 0
...	...	...	...	23 0 0	28 15 0	1 5 0	
...	51 0 0	32 19 0	...	51 0 0	32 19 0	0 12 22	
...	19 0 0	21 16 0	...	19 0 0	21 16 0	1 2 22	
...	...	...	...	11 0 0	15 5 0	1 7 17	
...	...	...	...	103 0 0	103 0 0	1 0 0	
...	...	...	...	106 4 0	430 18 0	4 1 3	3 19 4
...	...	...	...	43 0 0	44 12 0	1 0 17	
...	...	...	...	11 16 0	23 10 0	1 19 19	3 18 0
...	26 10 0	33 0 0	...	26 10 0	33 0 0	1 4 21	
...	10 10 0	8 3 0	...	10 10 0	8 3 0	0 15 12	
...	...	...	...	2 0 0	8 6 0	4 3 0	
...	...	...	...	249 15 0	261 3 0	1 0 21	
...	1209 0 0	1079 17 20	...	1221 0 0	1114 10 20	0 18 6	
...	...	...	...	21 10 0	7 10 10	0 6 23	
...	91 0 0	137 0 0	...	124 0 0	182 18 0	1 9 12	3 14 0
...	...	...	...	5 15 0	5 11 0	0 19 7	
...	55 0 0	46 8 0	...	60 0 0	47 6 0	0 15 18	
...	...	...	...	88 0 0	208 10 0	2 7 9	
...	...	...	...	63 0 0	836 0 0	...	3 15 0
...	...	...	...	37 0 0	764 0 0	...	3 18 0
...	...	...	...	90 9 0	379 2 18	4 3 20	3 10 0
...	...	...	...	5 0 0	37 15 7	7 11 1	
...	...	...	...	9 18 0	13 15 4	1 7 19	
...	...	...	...	31 0 0	160 11 16	5 3 14	3 14 6
...	86 0 0	193 0 0	...	140 10 0	271 13 0	1 18 16	
...	...	...	...	35 5 0	62 16 0	1 15 15	
...	...	...	...	11 0 0	15 14 0	1 8 13	
...	367 0 0	957 0 0	...	367 0 0	957 0 0	2 12 3	
...	...	...	...	58 5 0	200 2 0	3 8 16	
...	1273 0 0	1894 0 0	...	1273 0 0	1894 0 0	1 9 18	
...	...	...	...	1 5 0	5 5 19	4 4 15	
...	1 0 0	260 0 0	82 0 0	1 0 0	260 0 0	...	
...	...	...	...	11 0 0	33 11 5	3 1 0	3 14 6
...	292 10 0	360 6 0	...	294 0 0	362 11 0	1 4 15	3 10 0
...	
...	91 0 0	94 0 9	...	112 0 0	116 18 9	1 0 21	
...	8 10 0	17 0 0	...	8 10 0	17 0 0	2 0 0	
...	3810 4 0	9819 7 6	...	3989 8 0	10023 16 4	2 10 6	
...	...	...	...	34 0 0	153 10 0	4 10 7	
...	...	...	...	20 0 0	124 0 0	6 4 0	
...	96 0 0	456 0 0	...	96 0 0	456 0 0	4 15 0	
...	5 0 0	28 18 15	...	5 0 0	28 18 15	5 15 17	
...	...	...	...	26 0 0	33 0 0	1 5 9	
...	29 0 0	43 18 10	...	199 0 0	326 5 10	1 12 18	
...	30 0 0	90 0 0	...	30 0 0	90 0 0	3 0 0	
...	...	...	...	35 5 0	122 16 0	3 9 16	3 10 0
...	56 0 0	112 0 0	...	86 0 0	154 0 0	1 15 19	
...	...	...	...	100 0 0	440 0 0	4 8 0	3 5 0
...	...	...	...	9 0 0	7 0 0	0 15 13	3 10 0
...	...	...	...	183 0 0	225 0 0	1 4 14	3 15 0
...	...	...	...	412 0 0	505 12 0	1 4 13	
...	...	...	...	51 10 0	70 2 0	1 7 5	
...	...	...	20 0 0	15 10 0	57 0 0	3 13 13	
...	15095 14 0	30920 5 21	102 0 0	20136 19 0	40565 5 20	2 0 6	
...	...	...	1000 0 0	...	...	...

‡ From unknown tons, 2082oz.

Pilbarra

NULLAGINE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
71L	Alexandra ... ..	...	...	8 10 0	25 0 0
16L	Barney's Hill United ... ..	...	...	12 0 0	23 2 0
24L	Barney's Hill No. 1 North ... ..	...	...	...	...
80L	Barton ... ..	...	...	...	...
47L	Cook's Hill ... ..	...	...	...	...
17L	Day Dawn ... ..	...	...	...	...
Quartz Claim 34L	Dromedary Queen ... ..	...	...	...	...
65L	Fisher's Reward ... ..	...	...	...	...
79L	Galtee More ... ..	...	...	...	...
31L	Golden Crown ... ..	...	...	...	...
77L	Golden Eagle ... ..	...	...	13 0 0	79 13 0
67L	Golden Promise No. 1 ... ..	...	...	58 0 0	50 4 0
59L	Great Eastern ... ..	...	...	...	...
61L	Great Eastern Extended ... ..	...	...	...	...
Quartz Claim 47L	Henry George ... ..	...	...	...	...
33L (Reward Claim)	Mark Twain ... ..	...	...	...	...
M.A., No. 1L ... ..	...	Nullagine Public Battery ... ..	...	...	...
27L, 2L ... ..	...	N.W. Australian Goldfields, Limited ... ..	...	...	...
...	New Year's Gift Prospecting Area ... ..	...	...	8 0 0	7 4 0
57L	Sunrise No. 1 ... ..	...	...	...	...
78L	Surprise ... ..	...	...	...	...
...	P.A. 22L ... ..	...	...	...	...
...	P.A. 23L ... ..	...	...	...	...
Quartz Claim 25L ... ..	...	...	...	...	...
42L	Victory ... ..	...	...	...	...
51L	Victory Extended ... ..	...	...	...	...
56L	Victory East Extended	West Extended Volunteer Prospecting Association ... ..	...	55 0 0	202 16 0
...	Other small parcels from various mines ... ..	...	...	...	...
...	ALLUVIAL ... ..	...	...	154 10 0	387 19 0

NULLAGINE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
71L	Alexandra ... ..	...	...	8 10 0	25 0 0
16L	Barney's Hill United ... ..	...	...	12 0 0	23 2 0
24L	Barney's Hill No. 1 North ... ..	...	...	...	...
80L	Barton ... ..	...	...	56 0 0	88 10 0
47L	Cook's Hill ... ..	...	...	22 0 0	26 6 0
17L	Day Dawn ... ..	...	...	92 0 0	102 14 0
Quartz Claim 34L	Dromedary Queen ... ..	...	...	...	...
65L	Fisher's Reward ... ..	...	...	...	...
79L	Galtee More ... ..	...	...	16 0 0	69 0 0
31L	Golden Crown ... ..	...	...	191 0 0	139 0 0
77L	Golden Eagle ... ..	...	...	49 0 0	265 4 0
67L	Golden Promise No. 1 ... ..	...	...	88 0 0	81 4 0
59L	Great Eastern ... ..	...	...	150 0 0	168 19 0
61L	Great Eastern Extended ... ..	...	...	190 0 0	224 8 0
Quartz Claim 47L	Henry George ... ..	...	...	16 0 0	93 18 0
33L (Reward Claim)	Mark Twain ... ..	...	...	37 0 0	35 6 0
M.A., No. 1L ... ..	...	Nullagine Public Battery ... ..	...	...	pl. 10 11 0
27L, 2L ... ..	...	N.W. Australian Goldfields, Limited ... ..	...	580 0 0	732 12 0
...	New Year's Gift Prospecting Area ... ..	...	...	8 0 0	7 4 0
57L	Sunrise No. 1 ... ..	...	...	...	...
78L	Surprise ... ..	...	...	16 0 0	108 2 0
...	P.A. 22L ... ..	...	...	...	...
...	P.A. 23L ... ..	...	...	19 10 0	20 0 0
Quartz Claim 25L ... ..	...	...	...	11 10 0	57 10 0
42L	Victory ... ..	...	...	...	...
51L	Victory Extended ... ..	...	...	...	...
56L	Victory East Extended	West Extended Volunteer Prospecting Association ... ..	...	116 0 0	388 6 0
...	Other small parcels from various mines ... ..	...	...	...	...
...	ALLUVIAL ... ..	...	...	1678 10 0	2666 16 0
...	...	...	...	1000 0 0	...

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...
...
...	...	...	...	...	...	...	56 0 0	88 10 0
...	73 0 0	93 0 0	...	22 0 0	26 6 0	...	19 0 0	9 14 0
...
...	191 0 0	139 0 0	...	...	...	...	16 0 0	69 0 0
...	...	...	...	13 10 0	64 16 0	...	22 10 0	120 15 0
...	30 0 0	31 0 0	...	...	...	...	...	...
...	70 0 0	101 14 0	...	80 0 0	67 5 0	...	...	...
...	40 0 0	79 0 0	...	110 0 0	122 16 0	...	40 0 0	22 12 0
...	...	...	...	...	...	...	16 0 0	93 18 0
...	37 0 0	35 6 0	...	...	...	...	...	...
...	378 0 0	516 15 0	...	202 0 0	215 17 0	...	...	...
...
...	...	...	...	...	...	...	16 0 0	108 2 0
...	19 10 0	20 0 0	...	...	...	...	...	...
...	...	...	...	11 10 0	57 10 0	...	...	...
...
...	28 0 0	99 6 0	...	24 0 0	76 0 0	...	9 0 0	10 4 0
...
...	866 10 0	1115 1 0	...	463 0 0	641 1 0	...	194 10 0	522 15 0
...	...	...	...	...	...	1000 0 0	...	...

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	21 0 0	52 10 0	...	29 10 0	77 10 0	2 12 13	3 18 0
...	326 0 0	328 3 0	...	338 0 0	351 5 0	1 0 18	...
...	20 0 0	25 0 0	...	20 0 0	25 0 0	1 5 0	...
...	...	...	...	56 0 0	88 10 0	1 11 14	3 18 6
...	...	...	...	22 0 0	26 6 0	1 3 21	...
...	174 0 0	600 0 0	...	266 0 0	702 14 0	2 12 20	3 18 6
...	22 0 0	30 1 0	...	22 0 0	30 1 0	1 7 7	...
...	20 0 0	56 12 10	...	20 0 0	56 12 10	2 16 14	...
...	...	...	...	16 0 0	69 0 0	4 6 6	3 17 6
...	32 12 0	50 18 0	...	223 12 0	189 18 0	0 16 23	...
...	...	...	...	49 0 0	265 4 0	5 8 5	3 14 0
...	84 0 0	68 13 0	...	172 0 0	149 17 0	0 17 10	3 17 6
...	20 0 0	33 16 0	...	170 0 0	202 15 0	1 3 20	4 0 6
...	...	...	...	190 0 0	224 8 0	1 3 14	4 0 6
...	...	...	...	16 0 0	93 18 0	5 17 9	3 18 6
...	...	...	...	37 0 0	35 6 0	0 19 1	...
...	...	...	...	...	10 11 0	...	3 18 9
...	141 0 0	190 0 0	...	721 0 0	922 12 0	1 5 14	3 18 9
...	...	...	...	8 0 0	7 4 0	0 18 0	...
...	28 0 0	14 0 0	...	28 0 0	14 0 0	0 10 0	...
...	...	...	...	16 0 0	108 2 0	6 15 3	4 0 0
...	15 0 0	30 1 0	...	15 0 0	30 1 0	2 0 1	...
...	...	...	...	19 10 0	20 0 0	1 0 12	...
...	...	...	...	11 10 0	57 10 0	5 0 0	4 0 0
...	121 0 0	421 2 0	...	121 0 0	421 2 0	3 9 14	...
...	22 0 0	63 0 0	...	22 0 0	63 0 0	2 17 6	...
...	54 10 0	246 3 0	...	170 10 0	634 9 0	3 14 10	4 1 6
...	63 0 0	83 11 0	...	63 0 0	83 11 0	1 6 12	...
...	1164 2 0	2293 10 10	...	2842 12 0	4960 6 10	1 14 21	...
...	...	...	1000 0 0	...	...	...	...

pl. From Plates.

TABLE NO. II.—Return of

West Pilbarra

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
82	Britannia ... ..	...	...	...	...
73	Break o' Morn ... ..	...	...	...	...
36 ... ..	...	Consolid. G.Ms. of W.A., Ltd.	...	46 0 0	92 14 0
87	Day Dawn ... ..	...	...	...	...
101	Diamond Jubilee ... ..	...	...	...	...
94	Eureka ... ..	...	...	...	...
79	John Bull ... ..	...	...	...	...
28, 46	Pioneer Group ... ..	...	...	...	...
104	Queenslander ... ..	...	...	...	...
45	Queen Mab ... ..	...	...	...	...
74, R.C. No. 5	Roebourne Star ... ..	...	...	...	...
18	Stray Shot ... ..	...	...	...	...
33, now 102 ... ..	...	Towranna G.Ms. of W.A., Ltd.	...	72 6 0	114 0 0
49, now 103	Towranna Queen ... ..	...	...	...	...
	Total ... ..	...	...	118 6 0	206 14 0

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
82	Britannia ... ..	...	...	...	...
73	Break o' Morn ... ..	...	...	...	...
36 ... ..	...	Consolid. G.Ms. of W.A., Ltd.	...	122 0 0	206 14 0
87	Day Dawn ... ..	...	...	...	...
101	Diamond Jubilee ... ..	...	...	...	...
94	Eureka ... ..	...	...	...	...
79	John Bull ... ..	...	...	...	...
28, 46	Pioneer Group ... ..	...	...	...	...
104	Queenslander ... ..	...	...	8 0 0	6 0 0
45	Queen Mab ... ..	...	...	...	...
74, R.C. No. 5	Roebourne Star ... ..	...	...	...	...
18	Stray Shot ... ..	...	...	...	...
33, now 102 ... ..	...	Towranna G.Ms. of W.A., Ltd.	...	72 6 0	114 0 0
49, now 103	Towranna Queen ... ..	...	...	...	...
	Total ... ..	...	...	202 6 0	326 14 0

Ashburton

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Quartz Claim No. 17 ... ..	...	...	...	...
	Reward Claim No. 2 ... ..	...	...	...	...
	Reward Claim No. 14 ... ..	...	...	...	...
	Reward Claim No. 16 ... ..	...	...	...	...
	Total ... ..	...	...	37 0 0	...
	From Alluvial Claims ... ..	...	...	50 4 12	...

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Quartz Claim No. 17 ... ..	...	...	...	...
	Reward Claim No. 2 ... ..	...	...	20 0 0	...
	Reward Claim No. 14 ... ..	...	...	46 0 0	...
	Reward Claim No. 16 ... ..	...	...	...	...
	Total ... ..	...	...	66 0 0	...
	From Alluvial Claims ... ..	...	...	434 12 12	...

* Dollied.

TABLE No. II.—Return of

Gascoyne

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
1	Carnarvon Gem ... From the Brown Hill District	...	...	...	...
		Total	...	...	...

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
1	Carnarvon Gem ... From the Brown Hill District	...	13 10 0	...	...
		Total	13 10 0	...	...

Peak Hill

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
44P	Brilliant ...	...	* 41 10 0	...	...
45P	Brilliant Central	...	* 20 15 0	...	...
49P	Brilliant Central Extd.	...	...	...	...
73P includes 10P	Christmas Gift ...	...	...	...	...
51P	Glenrowan	...	...	...	...
55P	Golden Treasure	...	...	...	...
56P	Golden Treasure Extd.	...	...	...	...
59P	Jubilee	...	...	...	...
1P, 2P, 3P, 4P, 5P, 6P, 8P, 9P, 13P, 15P, 16P, 19P, 26P, 27P, 28P, 29P, 35P, 36P, 48P, 53P, 54P, 82P	Found on Crown Lands by Rodgers and Party Peak Hill Consols	Peak Hill Goldfields, Ltd.— Ore Cement	...	987 0 0	4079 10 0
		Total	62 5 0	987 0 0	4079 10 0

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
44P	Brilliant ...	...	...	0 1 2	81 0 0
45P	Brilliant Central	...	41 10 0	...	6 14 0
49P	Brilliant Central Extd.	...	20 15 0	0 0 1	33 2 0
73 includes 10P	Christmas Gift ...	...	...	10 0 0	268 12 0
51P	Glenrowan	...	2 11 0	...	...
55P	Golden Treasure	...	...	...	...
56P	Golden Treasure Extd.	...	...	...	...
59P	Jubilee	...	...	...	...
1P, 2P, 3P, 4P, 5P, 6P, 8P, 9P, 13P, 15P, 16P, 19P, 26P, 27P, 28P, 29P, 35P, 36P, 48P, 53P, 54P, 82P	Found on Crown Lands by Rodgers and party Peak Hill Consols	Peak Hill Goldfields, Ltd.— Ore Cement Do.	200 0 0 ... 104 0 0	3978 0 0 ... 30 0 0	14016 17 12 ... 194 5 0
		Total	368 16 0	4018 1 3	14600 10 12

* Dollied.

Ore Treated, etc.—continued.

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...
...	* 13 10 0	...	...
...	13 10 0	...	...

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
6 16 0	1 7 0	6 15 0	6 16 0	1 7 0	6 15 0	5 0 0	
...	...	...	13 10 0				
6 16 0	1 7 0	6 15 0	20 6 0	1 7 0	6 15 0	5 0 0	

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	...	...	...	0 0 2	12 0 0	...	0 1 0	69 0 0
...	...	...	...	...	...	...	...	cy. 6 14 0
...	0 0 1	8 2 0	...	...	...	...	...	con. 25 0 0
* 2 11 0	...	...	...	10 0 0	268 12 0	...	...	...
...
...
...
...	676 0 0	2311 12 0	...	860 0 0	2676 9 12	†200 0 0	1455 0 0	4949 6 0
...
...	...	...	†104 0 0	...	...	...	...	...
...	...	...	...	30 0 0	194 5 0	...	...	...
2 11 0	676 0 1	2319 14 0	104 0 0	900 0 2	3151 6 12	200 0 0	1455 1 0	5050 0 0

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
44 0 0	...	...	44 0 0	0 1 2	81 0 0	...	4 0 0
302 5 0	...	14 0 0	343 15 0	...	20 14 0	...	4 0 0
52 10 0	...	...	73 5 0	0 0 1	33 2 0	...	4 0 0
...	118 0 0	299 0 0	...	128 0 0	567 12 0	4 8 16	3 19 0
...	...	...	2 11 0	...	...	...	3 18 0
...	11 0 0	13 12 0	...	11 0 0	13 12 0	1 4 17	
...	9 15 0	14 7 0	...	9 15 0	14 7 0	1 9 10	
...	57 0 0	92 0 0	...	57 0 0	92 0 0	1 12 6	
...	2635 7 0	15666 17 19	200 0 0	6613 7 0	29683 15 7	4 9 18	4 1 4
...	1064 0 0	903 4 0	...	1064 0 0	903 4 0	0 16 23	
...	...	†	
...	...	...	104 0 0	...	...	...
...	...	...	...	30 0 0	194 5 0	6 9 12	
398 15 0	3895 2 0	17008 0 19	767 11 0	7913 3 3	31603 11 7	3 19 20	

* Dollied.

† Specimens.

cy. Cyanide from 16 cwt.

con. Concentrates from 2 cwt.

‡ Ounces from unknown tons, 4551oz. 11dwts. 23grs.

TABLE NO. II.—Return of

East Murchison

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
81	Al			152 0 0	132 15 0
338	Admiral Dewey				
182	Amazon			110 0 0	220 15 0
93	Ballangarry				
187	Ballangarry Extended				
24	Bellevue	Bellevue Proprietary, Ltd.		1076 0 0	1717 13 4
170	Black Swan				
332	Black Swan North				
19	Bounty				
343	British American Alliance				
306	British King East				
2	British King West No. 1				
143	Brothers				
161	Caledonia				
367	Calliope				
348	Caroline Baker				
327	Condor United				
169	Dark Horse				
140	Derwent				
155, 156, 157, 158, 70		East Murchison United, Ltd.		2671 0 0	3012 11 0
316	Essex G.M.				
153	Federal				
359	Forsaken				
340	Gem				
115	Glasgow Lass				
140	Golden Age				
311	Golden Age North No. 1				
139	Golden Age South				
16	Great Eastern Extended				
91	Harpurs Hill				
321	Homeward Bound				
251	International			22 0 0	65 10 0
227	Inverness				
345	Ironclad				
177, 178		Kinambla Wealth of Nations, Ltd.		1882 0 0	1613 19 0
330	King of the Hills				
322	Kyneton				
237	Lake Way Queen				
335	Lake Way Consols				
342	Lake Way Consols Extd.				
349	Lass O'Gowrie				
314	Lawless			† 256 0 0	
353	Legal Right				
1, 58		London & W.A. Exploration Co., Ltd.			
22	May Be				
370	Miners Right				
137	Monarch of the East				
328	Monarch North				
337	Morning Light				
319	Mount Clifford			6 0 0	11 11 0
258	Narcissus				
331	New Woman South Extd.				
360	Pascoe Pride				
97	Pride of Darlôt				
	Quartz P.A. Long Tom				
	Quartz P.A. No. 99			44 10 0	22 16 0
	Quartz P.A. (Gillmore and another)				
	Quartz P.A. British King North, No. 105				
	Quartz P.A. Pinkie Weazel				
	P.A. Invincible No. 15				
	P.A. Empress No. 4				
	P.A. Maid of Athens No. 57				
	P.A. Union No. 65				
	Quartz P.A. No. 111				
	Quartz Claim 119				
	Pros. Prot. Area No. 121				
	Quartz Claim No. 125				
159	Queen of Lake Way				
112	Raffs Great Western	Raffs Great Western G.M. Co., Ltd.			
329	Rise and Shine				
324	Shamrock				
273	St. George				
339	Vanguard				
363	Waikato (late P.A. 107)				
326	Weelona (late Lake Way East)			19 0 0	23 1 0
162		W.A. Goldfields, Ltd.		42 0 0	42 2 12
	Sundry parcels from various claims				
				256 0 0	6024 10 0
	ALLUVIAL			269 4 12	6862 13 16

† Specimens.

Ore Treated, etc.—continued.

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	...	...	...	28 0 0	17 0 4	...	65 0 0	65 3 0
...	...	...	...	68 0 0	77 0 0	...	...	...
...	...	...	...	59 10 0	89 7 0	...	104 0 0	121 1 0
...	...	...	...	...	...	...	174 0 0	190 3 22
...	13 0 0	4 17 0	...	...	...	...	...	...
...	1348 0 0	2687 6 15	...	2293 0 0	1774 6 9	...	2304 0 0	1402 7 15
...	10 0 0	97 5 20	...	...	...	...	67 0 0	128 5 0
...	...	...	...	...	...	...	14 10 0	24 12 0
...	...	...	...	56 7 0	156 0 0	...	...	...
...	...	...	...	...	...	...	27 0 0	33 17 0
...	57 0 0	92 5 0	...	114 0 0	110 18 2	...	340 0 0	298 12 18
...	218 10 0	319 14 12	...	89 10 0	168 19 0	...	...	...
...	...	...	...	91 0 0	127 10 0	...	...	...
...	...	...	...	...	...	...	294 0 0	318 8 10
...	...	...	...	...	...	...	20 0 0	28 5 9
...	...	...	...	9 0 0	10 5 12	...	...	...
...	...	...	...	60 0 0	117 1 23	...	120 0 0	170 13 2
...	...	...	...	103 0 0	199 2 21	...	81 3 0	224 12 12
...	...	...	...	...	...	...	98 6 0	259 6 0
...	2923 0 0	2151 1 0	...	2873 0 0	3107 1 0	...	3964 0 0	5371 0 6
...	...	...	...	89 0 0	139 10 0	...	...	...
...	...	...	...	...	...	...	96 0 0	59 3 0
...	...	...	...	...	...	...	35 10 0	21 17 0
...	...	...	...	169 11 0	181 10 0	...	57 0 0	68 5 0
...	...	...	...	264 0 0	296 0 0	...	218 0 0	218 7 0
...	10 0 0	45 3 12	...	...	...	...	39 0 0	86 8 7
...	...	...	...	36 0 0	6 16 0	...	...	...
...	...	...	...	...	...	...	8 0 0	23 0 0
...	...	...	...	...	...	...	108 0 0	53 15 12
...	38 3 0	147 7 18	...	...	...	...	5 10 0	9 3 10
...	160 0 0	231 10 12	...	186 0 0	241 16 20	...	101 10 0	117 1 5
...	...	...	...	...	...	...	37 15 0	6 0 0
...	390 0 0	356 8 0	* 148 6 6	337 0 0	238 15 0	...	675 0 0	672 8 18
...	...	...	...	17 0 0	50 0 0	* 3 0 0	16 10 0	36 18 12
...	6 0 0	16 4 0	...	14 0 0	7 0 0	...	...	...
...	...	...	...	43 0 0	25 5 0	...	...	...
...	...	...	...	38 0 0	28 10 0	...	...	...
...	...	...	...	18 0 0	25 4 0	...	...	...
* 241 18 0	...	...	* 2 10 0	...	...	...	...	...
...	...	...	...	...	...	...	21 0 0	6 8 0
...	1167 0 0	1294 10 3	...	1062 10 0	1328 8 12	...	...	...
...	...	...	...	...	...	...	11 0 0	12 18 6
...	...	...	...	300 0 0	127 0 0	* 43 7 0	...	...
...	...	...	...	59 0 0	17 0 0	...	250 0 0	207 6 0
...	15 0 0	41 0 0	...	...	...	...	38 10 0	61 8 12
...	6 0 0	8 1 12	...	2 0 0	11 7 0	...	...	...
...	...	...	...	7 2 0	4 3 0	...	3 0 0	1 7 0
...	...	...	...	51 3 0	113 6 0	...	10 0 0	26 5 0
...	49 0 0	56 15 20	...	6 5 0	1 11 8	* 15 0 0	32 0 0	67 14 0
...	18 5 0	14 7 0	...	...	...	...	55 0 0	100 14 20
...	44 10 0	22 16 0	...	...	...	...	...	...
...	12 6 3	6 8 0	...	...	...	...	...	...
...	60 1 0	39 1 18	...	31 0 0	16 16 0	...	...	...
...	9 0 0	8 2 6	...	...	...	...	...	...
...	...	...	...	79 0 0	25 6 22	...	...	...
...	...	...	...	26 14 0	22 19 0	...	...	...
...	...	...	...	48 0 0	32 4 6	...	...	...
...	...	...	...	52 0 0	43 10 0	...	...	...
...	...	...	...	50 0 0	61 2 0	...	...	...
...	...	...	...	9 0 0	12 5 20	...	...	...
...	...	...	...	5 0 0	3 10 0	...	...	...
...	...	...	...	17 0 0	15 16 3	...	...	...
...	...	...	...	50 0 0	25 0 0	...	...	...
...	...	...	...	...	...	...	66 10 0	57 14 0
* 40 0 0	...	...	* 30 0 0	...	...	...	...	...
...	5 10 0	9 11 6	...	...	...	...	...	...
* 132 18 0	74 10 0	85 3 0	* 92 4 0	24 0 0	38 9 4	* 74 7 0	...	...
...	...	...	...	147 0 0	120 19 12	...	45 0 0	44 14 0
...	...	...	...	15 10 0	35 10 0	...	...	...
...	39 0 0	158 15 0	...	31 0 0	84 12 0	...	39 0 0	66 9 0
...	20 0 0	12 4 12	...	9 0 0	13 2 12	...	...	...
...	...	...	...	19 0 0	13 11 0	* 35 15 0	430 18 0	531 1 17
414 16 0	6693 15 3	7905 19 22	273 0 6	9157 2 0	9362 8 22	171 9 0	10072 12 0	11192 15 21
136 5 23	...	...	235 12 8	...	...	...	...	...

* Dollied.

TABLE NO. II.—Return of

East Murchison

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
81	Al			245 0 0	214 18 4
338	Admiral Dewey			68 0 0	77 0 0
182	Amazon			273 10 0	431 3 0
93	Ballangarry			174 0 0	190 3 22
187	Ballangarry Extended			13 0 0	4 17 0
24	Bellevue	Bellevue Proprietary, Ltd.		7021 0 0	7581 13 19
170	Black Swan			77 0 0	225 10 20
332	Black Swan North			14 10 0	24 12 0
19	Bounty			56 7 0	156 0 0
343	British American Alliance			27 0 0	33 17 0
306	British King East			511 0 0	501 15 20
2	British King West No. 1			308 0 0	488 13 12
143	Brothers			91 0 0	127 10 0
161	Caledonia			294 0 0	318 8 10
367	Calliope			20 0 0	28 5 9
348	Caroline Baker			9 0 0	10 5 12
327	Condor United			180 0 0	287 15 1
169	Dark Horse			184 3 0	423 15 9
149	Derwent			98 6 0	259 6 0
155, 156, 157, 158, 70		East Murchison United, Ltd.		12431 0 0	13641 13 6
16	Essex G.M.			89 0 0	139 10 0
153	Federal			96 0 0	59 3 0
359	Forsaken			35 10 0	21 17 0
340	Gem			226 11 0	249 15 0
115	Glasgow Lass			482 0 0	514 7 0
140	Golden Age			49 0 0	131 11 19
311	Golden Age North No. 1				
139	Golden Age South			36 0 0	6 16 0
16	Great Eastern Extended			8 0 0	23 0 0
91	Harpurs Hill			108 0 0	53 15 12
321	Homeward Bound			43 13 0	156 10 18
151	International			469 10 0	655 18 23
227	Inverness			37 15 0	6 0 0
345	Ironclad		148 6 6		
177, 178		Kinambla Wealth of Nations, Ltd.		3284 0 0	2881 10 18
330	King of the Hills		3 0 0	33 10 0	86 18 12
322	Kyneton			20 0 0	23 4 0
237	Lake Way Queen			43 0 0	25 5 0
335	Lake Way Consols			38 0 0	28 10 0
342	Lake Way Consols Extd.			18 0 0	25 4 0
349	Lass O'Gowrie		2 10 0		
314	Lawless		497 18 0		
353	Legal Right			21 0 0	6 8 0
1, 58		London & W.A. Exploration Co., Ltd.		2229 10 0	2622 18 15
22	May Be			11 0 0	12 18 6
370	Miners Right		43 7 0		
137	Monarch of the East			550 0 0	334 6 0
328	Monarch North			59 0 0	17 0 0
337	Morning Light			53 10 0	102 8 12
319	Mount Clifford			8 0 0	22 18 0
258	Narcissus			16 2 0	13 11 12
331	New Woman South Extd.			61 3 0	139 11 0
360	Pascoe Pride		15 0 0	32 0 0	67 14 0
97	Pride of Darlôt			110 5 0	159 2 0
	Quartz P.A. Long Tom			18 5 0	14 7 0
	Quartz P.A. No. 99			89 0 0	45 12 0
	Quartz P.A. (Gilmore and another)			12 6 3	6 8 0
	Quartz P.A. British King North No. 105			91 1 0	55 17 18
	Quartz P.A. Pinkie Weazel			9 0 0	8 2 6
	P.A. Invincible No. 15			79 0 0	25 6 22
	P.A. Empress No. 4			26 14 0	22 19 0
	P.A. Maid of Athens No. 57			48 0 0	32 4 6
	P.A. Union No. 65			52 0 0	43 10 0
	Quartz P.A. No. 111			50 0 0	61 2 0
	Quartz Claim No. 119			9 0 0	12 5 20
	Pros. Prot. Area No. 121			5 0 0	3 10 0
	Quartz Claim No. 125			17 0 0	15 16 3
159	Queen of Lake Way			50 0 0	25 0 0
112	Raffs Great Western	Raffs Great Western G.M. Co., Ltd.		66 10 0	57 14 0
329	Rise and Shine		70 0 0		
324	Shamrock			5 10 0	9 11 6
273	St. George		299 9 0	98 10 0	123 12 4
339	Vanguard			192 0 0	165 13 12
363	Waikato (late P.A. 107)			15 10 0	35 10 0
326	Weelona (late Lake Way East)			128 0 0	332 17 0
162		W.A. Goldfields, Ltd. Sundry parcels from various claims		71 0 0	67 9 12
			35 15 0	449 18 0	544 12 17
			1115 5 6	31947 19 3	35323 18 9
	ALLUVIAL		641 2 19		

Ore Treated, etc.—continued.

Goldfield—continued.

TOTAL PREVIOUS TO 1893.			TOTAL GOLD PRODUCTION.					Mint Value of Gold per Oz.	
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.			
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£	s. d.	
...	245 0 0	214 18 4	0 17 13	3	5 0	
...	68 0 0	77 0 0	1 2 15	3	12 6	
...	273 10 0	431 3 0	1 1 3	3	12 6	
...	174 0 0	190 3 22	1 1 20	3	17 10	
...	13 0 0	4 17 0	0 6 16			
...	943 0 0	1968 9 0	...	7964 0 0	9550 2 19	1 3 23	3	5 0	
...	77 0 0	225 10 20	2 18 13	3	18 0	
...	14 10 0	24 12 0	1 13 22	3	18 0	
...	56 7 0	156 0 0	2 15 8			
...	27 0 0	33 17 0	1 5 1	4	0 0	
...	511 0 0	501 15 20	0 19 15	2	18 7	
...	308 0 0	488 13 12	1 11 17	3	5 0	
...	91 0 0	127 10 0	1 8 0			
...	294 0 0	318 8 10	1 1 15	3	19 0	
...	20 0 0	28 5 9	1 8 6	3	0 0	
...	9 0 0	10 5 12	1 2 20	3	18 0	
...	180 0 0	287 15 1	1 11 23	3	7 6	
...	10 0 0	107 16 0	...	194 3 0	531 11 9	2 14 18	3	16 6	
...	98 6 0	259 6 0	2 12 15			
...	10110 0 0	17794 11 1	...	22541 0 0	31436 4 7	1 7 21	3	15 6	
...	10 0 0	32 4 0	...	99 0 0	171 14 0	1 14 16	4	2 0	
...	96 0 0	59 3 0	0 12 7			
...	35 10 0	21 17 0	0 15 3	3	10 0	
...	226 11 0	249 15 0	1 2 1			
...	482 0 0	514 7 0	1 1 8	4	0 0	
...	49 0 0	131 11 19	2 13 17	4	0 0	
44 0 0	10 0 0	62 0 0	44 0 0	10 0 0	62 0 0	0 3 18			
...	36 0 0	6 16 0	0 3 18			
...	8 0 0	23 0 0	2 17 12	3	17 6	
...	108 0 0	53 15 12	0 9 23	4	0 0	
...	43 13 0	156 10 18	3 11 17			
...	25 0 0	95 14 6	...	494 10 0	751 13 5	1 10 11	4	0 3	
...	37 15 0	6 0 0	0 3 4			
...	148 6 6	...	...	...
...	2112 0 0	2441 0 0	...	5396 0 0	5322 10 18	0 19 17	4	0 0	
...	3 0 0	33 10 0	86 18 12	2 11 21	3	16 6	
...	20 0 0	23 4 0	1 3 4	3	1 3	
...	43 0 0	25 5 0	0 11 17			
...	38 0 0	28 10 0	0 15 0	3	17 10	
...	18 0 0	25 4 0	1 8 0	3	17 10	
...	2 10 0	...	...	...	3	15 0	
56 0 0	10 0 0	5 0 0	553 18 0	10 0 0	5 0 0	0 10 0			
...	21 0 0	6 8 0	0 6 2	3	18 0	
...	2229 10 0	2622 18 15	1 3 12	3	16 8	
...	11 0 0	12 18 6	1 3 11	3	17 10	
...	43 7 0	...	...	...
...	550 0 0	334 6 0	0 12 3			
...	59 0 0	17 0 0	0 5 18			
...	53 10 0	102 8 12	1 18 6	3	12 6	
...	8 0 0	22 18 0	2 17 6			
...	16 2 0	13 11 12	0 16 20	3	17 10	
...	61 3 0	139 11 0	2 5 15	3	15 2	
...	15 0 0	32 0 0	67 14 0	2 2 7	3	17 6	
...	110 5 0	159 2 0	1 8 20			
...	18 5 0	14 7 0	0 15 17			
...	89 0 0	45 12 0	0 10 5			
...	12 6 3	6 8 0	0 10 9			
...	91 1 0	55 17 18	0 12 6			
...	9 0 0	8 2 6	0 18 0			
...	79 0 0	25 6 22	0 6 10			
...	26 14 0	22 19 0	0 17 4			
...	48 0 0	32 4 6	0 13 10	3	10 0	
...	52 0 0	43 10 0	0 16 17			
...	50 0 0	61 2 0	1 4 10			
...	9 0 0	12 5 20	1 7 7			
...	5 0 0	3 10 0	0 14 0	3	10 0	
...	17 0 0	15 16 3	0 18 14			
...	50 0 0	25 0 0	0 10 0	3	12 6	
...	66 10 0	57 14 0	0 17 8	3	16 0	
...	70 0 0	...	...	...
326 0 0	625 9 0	5 10 0	9 11 6	1 14 18			
...	98 10 0	123 12 4	1 5 2	3	18 10	
...	192 0 0	165 13 12	0 17 5	3	7 6	
17 3 8	15 10 0	35 10 0	2 5 19	3	15 0	
...	17 3 8	128 0 0	332 17 0	2 12 0	3	0 0	
...	71 0 0	67 9 12	0 19 0	3	17 0	
...	35 15 0	449 18 0	544 12 17	1 4 5			
443 3 8	13230 0 0	22506 14 7	1558 8 14	45177 19 3	57830 12 16	1 5 14			
621 3 16	1262 6 11	...	...	...

Murchison

CUE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. grs.	Gold therefrom. ozs. dwts. grs.
1046, 1047, 483	...	Agamemnon, Limited	...	1276 0 0	746 13 8
640, 811, 870, 953, 1138	...	Arcadia Gold Mines, Ltd.	...	...	...
750	Ashbourne	...	...	...	...
789	Belgravia Central	...	...	30 0 0	12 15 0
1056, 1057	Belgravia North and South	...	...	...	...
867	Black Swan	...	...	...	...
949	Blue Bell Block No. 1	...	...	...	...
1055	Bonanza	...	...	...	...
1109	Buttercup	...	...	...	...
1068, 1100, 1101	...	Caledonian Hill Sluicing Co.	...	...	8 0 0
1088	Catalpa	...	...	...	...
252, 818, 1082	...	City of Chester Gold Mines, Ltd.	...	203 0 0	138 0 0
764	City of St. Petersburg	...	...	...	...
1061	Conscript	...	...	...	...
1066	Countess	...	...	...	...
170, 60, 203, 674, 692, 1130, 964, 1002, 1128	...	b Cue Consolidated Gold Mines, Limited	...	1611 0 0	1153 5 7 pl. 672 5 7
201, 208, 825, 893, 935	...	Cue Victory Gold Mines, Ltd.	...	1700 0 0	810 6 11
634, 736, 1042	...	Cuddingwarra Gold Mines, Ltd.	...	779 10 0	695 14 0
1115	Deceiver	...	...	...	...
1022	Duke of York	...	...	...	...
248, 663	Eclipse and Eclipse Ex- tended	...	...	...	...
386	Fairlight	...	...	...	...
422	Fleur de Mai	(Registered name Le Pre- mier Fleur de Mai)	...	30 0 0	15 11 0
95	...	Fortune of War Gold Min- ing Co. (N.L.)	...	...	...
523, 1020, 1044	...	Gem of Cue Gold Mines, Ltd.	...	...	...
538, 993	...	Gem of Murchison Gold Mines, Ltd.	...	...	...
178	George Higinbotham	...	...	...	...
873	Golden Fleece	...	...	...	...
1111	Golden Garter	...	...	...	...
889	Golden Leaf	...	...	...	...
711	Golden Stream Extended	...	...	30 0 0	83 15 0
882	Great White Eye	...	...	...	...
968	Greymouth	...	...	...	...
718	Highland Mary	...	...	...	...
398	Homeward Bound	...	...	...	...
1117	Jubilee	...	...	108 0 0	65 6 0
672	Kangaroo	...	...	56 0 0	34 0 0
716	Kallara	...	...	...	...
335	...	Lady Forrest Murchison Gold Mine, Ltd.	...	...	...
1116	Lady Godiva	...	...	25 0 0	34 15 0
157	Lady Mary No. 1 South	...	...	30 0 0	54 12 0
60, 170, 674	...	b Lady Mary Amalgamated Gold Mines, Ltd.	...	...	pl. 243 0 0
790	Lady Rosie	...	...	...	...
183	Leviathan	...	...	...	...
964, 1002	...	b Light of Asia Amalgamated Gold Mines, Ltd.	...	a 649 0 0	a 516 16 0
1034, 1035	...	Lombardy Gold Mines, Ltd.	...	...	...
701	Lily	...	...	15 0 0	12 7 0
1049	Lily North	...	...	...	...
1131	Lily North Extended	...	...	...	...
697	Lily No. 2 South	...	...	...	...
1076	Lone Star	...	...	...	...
537	Maori Chief	...	...	...	...
1108	Moonlight Quartz Claim	...	...	16 0 0	41 15 0
599	Maybell	...	...	...	...
1045	Marvel	...	...	...	...
1107	New Eldorado	...	...	...	...
1135	New England	...	...	...	...
799	New Volunteer	...	...	...	...
920	Normanby Consolidated	...	...	40 0 0	42 4 0
1059	Princess Ada South	...	...	...	...
222, 653, 784, 1016, 1048, 1114	...	Princess Royal Cue, Ltd.	...	418 0 0	345 8 12
671	Quartz Claim 251	...	...	40 0 0	42 1 6
745, 746, 1119, 1121	c Rhinegold	...	...	52 0 0	47 14 12
1110	Rose	Red, White, and Blue G.M. Co., Ltd.	...	...	...
662	Rose of England	...	...	...	...
	Carried forward	...	...	7108 10 0	5816 4 10

pl. Denotes plates.

b Now amalgamated and called "Cue Consolidated Gold Mines, Ltd." of the Cue Consolidated Gold Mines, Ltd.

c Now included in Victory United G.M. Co.

a. Included in the total gold production of

Murchison

CUE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.								
			Dolled and Specimens.		Ore treated.		Gold therefrom.				
			ozs.	dwts.	grs.	tons	cwts.	grs.	ozs.	dwts.	grs.
	Brought forward ...					7108	10	0	5816	4	10
1046 ...	Salisbury ...					91	0	0	79	12	3
887 ...	Stannore ...										
958 ...	Star of Asia ...										
691 ...	Treasure Trove North ...										
836 ...	Treasure Trove Extended ...										
774 ...	Twilight ...					58	0	0	96	0	0
1113 ...	Two Lilies ...					25	0	0	16	17	0
865 ...	Two Nations ...										
1037 ...	Union Jack ...										
595, 1122, 671, 1104 ...		Victory United G.M. Co.				724	0	0	1441	11	0
817 ...	Victoria North ...										
1118 ...	Victoria ...					26	10	0	23	9	0
1070 ...	Volunteer ...					37	10	0	40	12	0
1044 ...	§Volunteer South ...					112	0	0	97	9	12
999 ...	Wallace ...					16	0	0	8	3	0
925, 929, 947, 948 ...	West Australian ...										
1071, 1072, 1074, 1139, 1140		Weld Hercules G.Ms., Ltd.				770	0	0	446	11	15
1009 ...	Winchester ...					17	0	0	11	10	0
1120 ...	Windmill ...										
1124 ...	Young Colonial ...					45	0	0	87	11	0
	Other small parcels from various mines										
						9030	10	0	8165	10	16

CUE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.								
			Dolled and Specimens.		Ore treated.		Gold therefrom.				
			ozs.	dwts.	grs.	tons	cwts.	grs.	ozs.	dwts.	grs.
1046, 1047, 483		Agamemnon, Limited				3324	0	0	2178	11	3
640, 811, 870, 953, 1138		Arcadia Gold Mines, Ltd.				351	10	0	302	14	5
750 ...	Ashbourne ...										
789 ...	Belgravia Central ...					73	10	0	43	4	0
1056, 1057 ...	Belgravia North and South										
867 ...	Black Swan ...										
	Do. ...										
949 ...	Blue Bell Block No. 1 ...										
1055 ...	Bonanza ...										
1109 ...	Buttercup ...										
1068, 1100, 1101		Caledonian Hill Sluicing Co.				5	0	0	9	5	0
1088 ...	Catalpa ...										
252, 818, 1082		City of Chester Gold Mines, Ltd.				203	0	0	138	0	0
764 ...	City of St. Petersburg ...										
1061 ...	Conscript ...										
1066 ...	Countess ...					157	10	0	217	4	12
170, 60, 203, 674, 692, 1130, 964, 1002, 1128		Cue Consolidated Gold Mines, Ltd.				6652	0	0	4550	5	11
201, 208, 825, 893, 935		Cue Victory Gold Mines, Ltd.				3057	10	0	1450	15	18
634, 736, 1042		Cuddingwarra Gold Mines, Ltd.				3351	10	0	2241	5	22
1115 ...	Deceiver ...					374	0	0	801	14	12
1022 ...	Duke of York ...										
248, 663	Eclipse and Eclipse Ex- tended					206	0	0	97	13	6
386 ...	Fairlight ...										
422 ...	Fleur de Mai ...	(Registered name Le Pre- mier Fleur de Mai)				30	0	0	15	11	0
95 ...		Fortune of War Gold Min- ing Co. (N.L.)									
523, 1020, 1044		Gem of Cue Gold Mines, Ltd.				862	0	0	593	6	22
538, 993		Gem of Murchison Gold Mines, Ltd.									
178 ...	George Higinbotham ...					46	10	0	13	5	0
873 ...	Golden Fleece ...										
1111 ...	Golden Garter ...					412	0	0	182	10	9
889 ...	Golden Leaf ...										
711 ...	Golden Stream Extended ...					112	0	0	194	7	0
882 ...	Great White Eye ...					241	0	0	94	17	0
968 ...	Greymouth ...										
	Carried forward ...					19459	0	0	13124	11	0

§ Now included in Gem of Cue G.Ms., Ltd.

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
18 0 0	6346 10 0	4030 12 17	...	5880 10 0	3608 5 23	...	5010 0 0	2743 14 22
...	354 0 0	404 17 17	...	...	...	...	...	...
...
...
...	44 0 0	44 0 0	...	50 0 0	77 3 0	...	75 0 0	69 18 21
...	10 0 0	4 0 0	...	...	...	...	...	...
...
...	589 0 0	1237 10 0	...	489 0 0	478 19 0	...	magnettings, &c.	39 10 0
...
...	26 0 0	34 0 0	...	...	...	...	...	...
...	69 0 0	73 8 16	...	...	...	...	...	...
...
...	1305 0 0	1055 16 5	...	1127 0 0	372 0 9	...	661 0 0	280 15 0
...
...	88 10 0	44 5 0	...	38 15 0	23 15 0	...	...	...
...	59 0 0	103 3 0	...	50 10 0	73 13 11	...	...	...
†266 0 0	209 0 0	103 10 0	...	459 2 0	293 10 21	...	511 0 0	366 8 7
284 0 0	9100 0 0	7135 3 7	...	8094 17 0	4927 7 16	...	6257 0 0	3500 7 2

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
...	1678 10 0	1710 15 19	...	5002 10 0	3889 6 22	0 15 13	*3 18 6
...	1256 0 0	1177 2 0	...	1607 10 0	1479 16 5	0 18 9	4 0 0
...	669 0 0	556 13 12	...	669 0 0	556 13 12	0 16 15	3 12 0
...	90 0 0	70 9 6	...	163 10 0	113 13 6	0 13 21	3 15 0
...	102 0 0	77 0 0	...	102 0 0	77 0 0	0 15 2	3 15 0
...	60 0 0	10 0 0	...	60 0 0	10 0 0	0 3 8	
...	...	1†	...	...	1†		
...	80 0 0	25 0 0	...	80 0 0	25 0 0	0 6 6	
...	42 0 0	42 0 0	...	42 0 0	42 0 0	1 0 0	
...	100 0 0	64 0 0	...	100 0 0	64 0 0	0 12 19	*4 0 0
40 0 0	...	...	40 0 0	5 0 0	9 5 0	1 17 0	
...	74 0 0	33 0 0	...	74 0 0	33 0 0	0 8 22	3 17 0
...	116 0 0	118 0 0	...	319 0 0	256 0 0	0 16 1	3 12 6
...	10 0 0	5 0 0	...	10 0 0	5 0 0	0 10 0	3 17 6
...	12 0 0	11 0 0	...	12 0 0	11 0 0	0 18 8	4 0 0
...	...	...	...	157 10 0	217 4 12	1 7 14	
...	16340 0 0	13923 2 0	...	22992 0 0	18473 7 11	0 16 1	4 0 3
...	3266 0 0	2583 4 0	...	6323 10 0	4033 19 18	0 12 18	3 15 0
...	315 0 0	177 0 0	...	3666 10 0	2418 5 22	0 13 4	3 17 0
...	31 0 0	52 15 8	...	405 0 0	854 9 20	2 2 4	
...	30 0 0	30 0 0	...	30 0 0	30 0 0	1 0 0	3 17 6
...	72 0 0	32 0 0	...	278 0 0	129 13 6	0 9 7	
...	150 0 0	79 0 0	...	150 0 0	79 0 0	0 10 12	
...	422 0 0	235 0 0	...	452 0 0	250 11 0	0 11 2	
...	2231 0 0	2247 15 12	...	2231 0 0	2247 15 12	1 0 3	
...	186 0 0	157 6 0	...	1048 0 0	750 12 22	0 14 7	3 19 6
...	60 0 0	39 0 0	...	60 0 0	39 0 0	0 13 0	
...	...	...	...	46 10 0	13 5 0	0 5 16	3 15 0
...	84 0 0	65 0 0	...	84 0 0	65 0 0	0 15 11	4 0 0
...	72 0 0	48 17 18	...	484 0 0	231 8 3	0 9 13	
...	33 0 0	47 0 0	...	33 0 0	47 0 0	1 8 11	4 0 0
...	50 0 0	89 6 12	...	162 0 0	283 13 12	1 15 0	*3 18 10
...	249 0 0	148 15 0	...	490 0 0	243 12 0	0 9 22	
...	170 0 0	492 0 0	...	170 0 0	492 0 0	2 17 21	
40 0 0	28050 10 0	21347 2 15	40 0 0	47509 10 0	37471 13 15		

* Estimated. † Specimens. 1† Ounces from unknown tons, 128ozs.

Murchison

CUE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Brought forward ...	...	...	19459 0 0	13124 11 0
718	Highland Mary ...	...	...	...	...
398	Homeward Bound ...	...	...	...	...
1117	Jubilee ... ..	...	...	744 0 0	269 11 1
672	Kangaroo... ..	...	...	56 0 0	34 0 0
716	Kallara ... ..	...	...	...	...
335 ... ..	... ..	Lady Forrest Murchison Gold Mine, Ltd.	...	...	...
1116	Lady Godiva ... ..	...	...	177 0 0	100 12 18
157	Lady Mary No. 1 South	...	...	30 0 0	54 12 0
60, 170, 674 ... ..	... ..	Lady Mary Amalgamated Gold Mines, Ltd.	...	...	pl. 243 0 0
790	Lady Rosie ... ..	...	...	100 0 0	64 6 0
183	Leviathan ... ..	...	...	246 0 0	191 19 12
1034, 1035 ... ..	... ..	Lombardy Gold Mines, Ltd.	...	135 0 0	34 5 12
701	Lily ... ..	...	...	15 0 0	12 7 0
1049	Lily North ... ..	...	...	...	...
1131	Lily North Extended	...	...	75 0 0	143 0 23
697	Lily No. 2 South	...	...	...	...
1076	Lone Star ... ..	...	...	...	...
537	Maori Chief ... ..	...	...	...	...
	Moonlight Quartz Claim	...	...	16 0 0	41 15 0
1108	Maybell ... ..	...	...	...	...
599	Marvel ... ..	...	...	...	...
1045	New Eldorado ... ..	...	18 0 0	39 10 0	176 17 9
1107	New England ... ..	...	...	...	...
1135	New Volunteer ... ..	...	...	463 0 0	210 7 19
799	Normanby Consolidated	...	...	40 0 0	42 4 0
920 ... ..	... ..	Polar Star Proprietary Ltd.	...	198 0 0	10 0 0
1059	Princess Ada South	...	...	...	...
222, 653, 784, 1016, 1048, 1114	... ..	Princess Royal Cue, Ltd. ...	...	2349 0 0	1680 14 8
	Quartz Claim No. 251 ...	...	...	40 0 0	42 1 6
671	Rhinegold ... ..	...	...	...	...
745, 746, 1119, 1121 ... ..	... ..	Red, White, and Blue G.M. Company, Limited	...	737 0 0	330 6 0
1110	Rose ... ..	...	...	...	...
662	Rose of England ... ..	...	...	...	...
1046	Salisbury ... ..	...	...	...	...
887	Stannore ... ..	...	...	...	...
958	Star of Asia ... ..	...	...	...	...
691	Treasure Trove North ...	...	...	...	...
836	Treasure Trove Extended	...	...	...	...
774	Twilight ... ..	...	...	227 0 0	287 1 21
1113	Two Lilies ... ..	...	...	35 0 0	20 17 0
865	Two Nations ... ..	...	...	...	...
1037	Union Jack ... ..	...	...	...	...
595, 1122, 671, 1104, ... ..	... ..	Victory United G.M. Co. ...	...	1854 0 0	3245 4 12
817	Victoria North ... ..	...	...	...	...
1118	Victoria ... ..	...	...	52 10 0	57 9 0
	Do. ... ..	...	...	...	...
1070	Volunteer ... ..	...	...	37 10 0	40 12 0
1044	Volunteer South ... ..	...	...	...	...
999	Wallace ... ..	...	...	16 0 0	8 3 0
925, 929, 947, 948,	West Australian ... ..	...	...	...	...
1071, 1072, 1074, 1139, 1140	... ..	Weld Hercules G.Ms., Ltd. ...	...	3863 0 0	2155 3 5
1009	Winchester ... ..	...	...	17 0 0	11 10 0
1120	Windmill... ..	...	...	127 5 0	68 0 0
1124	Young Colonial ... ..	...	...	154 10 0	264 7 11
	Other small parcels from various mines	{	266 0 0	1179 2 0	763 9 4
		{
			284 0 0	32482 7 0	23728 8 17
	Ounces from unknown tons	Black Swan ... ..	...	...	...
	Do.	Kallara ... ..	...	...	...
	Do.	Maori Chief ... ..	...	...	...
	Do.	Victoria ... ..	...	...	...
	Do.	Other small parcels, etc. ...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1893.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dolled and Specimens.	Ore treated.	Gold therefrom.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
40 0 0	28050 10 0	24347 2 15	40 0 0	47509 10 0	37471 13 15		
...	68 0 0	8 0 0	...	68 0 0	8 0 0	0 2 8	
...	47 10 0	81 0 0	...	47 10 0	81 0 0	1 14 2	
...	105 0 0	74 8 15	...	849 0 0	343 19 16	0 8 2	3 12 6
...	253 0 0	158 15 0	...	309 0 0	192 15 0	0 12 11	3 10 0
...	...	2†	...	...	2†		
...	920 0 0	516 0 2	...	920 0 0	516 0 2	0 11 5	
...	30 0 0	25 0 0	...	207 0 0	125 12 18	0 12 3	
...	268 0 0	479 16 0	...	298 0 0	534 8 0	1 15 20	3 9 4
...	...	...	...	...	243 0 0		
...	175 0 0	201 7 0	...	275 0 0	265 13 0	0 19 7	
...	130 0 0	117 0 0	...	376 0 0	308 19 12	0 16 10	3 17 0
...	210 0 0	138 0 0	...	345 0 0	172 5 12	0 9 23	3 18 0
...	608 0 0	947 5 0	...	623 0 0	959 12 0	1 10 19	
...	70 0 0	210 0 0	...	70 0 0	210 0 0	3 0 0	
...	...	...	...	75 0 0	143 0 23	1 18 3	3 17 2
...	35 0 0	26 0 0	...	35 0 0	26 0 0	0 14 20	
...	17 0 0	7 0 0	...	17 0 0	7 0 0	0 8 5	
...	...	3†	...	...	3†		
...		
...	15 0 0	5 0 0	...	16 0 0	41 15 0	2 12 4	
...	50 0 0	20 7 0	...	15 0 0	5 0 0	0 6 16	
...	25 0 0	5 0 0	18 0 0	50 0 0	20 7 0	0 8 3	
...	7 0 0	9 0 0	...	64 10 0	181 17 9	2 16 9	
...	...	...	...	7 0 0	9 0 0	1 5 17	
...	605 0 0	488 0 0	...	463 0 0	210 7 19	0 9 2	3 17 6
...	518 0 0	955 1 12	...	645 0 0	530 4 0	0 16 12	
...	64 0 0	9 11 0	...	716 0 0	965 1 12	1 6 22	4 0 0
...	3546 10 0	3643 17 17	...	64 0 0	9 11 0	0 2 23	
...	...	...	...	5895 10 0	5324 12 1	0 18 1	4 0 0
...	...	...	...	40 0 0	42 1 6	1 1 0	
...	341 0 0	199 0 0	...	...	...
...	21 0 0	12 0 0	...	1078 0 0	529 6 0	0 9 19	3 17 6
...	300 0 0	42 0 0	...	...	...
...	...	...	...	21 0 0	12 0 0	0 11 10	
...	63 0 0	66 0 0	...	300 0 0	42 0 0	0 2 19	
...	54 0 0	5 0 0	...	...	...
...	31 0 0	17 0 0	...	63 0 0	66 0 0	1 0 22	
...	43 0 0	44 0 0	...	54 0 0	5 0 0	0 1 20	
...	248 0 0	329 17 0	...	31 0 0	17 0 0	0 10 23	
...	55 0 0	72 7 12	...	43 0 0	44 0 0	1 0 11	
...	10 0 0	10 0 0	...	475 0 0	616 18 21	1 5 23	4 0 0
...	55 0 0	18 0 0	...	90 0 0	93 4 12	1 0 17	3 18 6
...	3306 0 0	7627 2 0	...	10 0 0	10 0 0	1 0 0	
...	203 0 0	313 0 0	...	55 0 0	18 0 0	0 6 13	
...	11 0 0	23 19 0	...	5160 0 0	10872 6 12	2 2 3	*3 16 0
...	...	4†	...	203 0 0	313 0 0	1 10 20	
...	162 0 0	194 0 0	...	63 10 0	81 8 0	1 5 15	3 17 0
...	
...	18 0 0	14 0 0	...	199 10 0	234 12 0	1 3 12	
...	4 0 0	244 0 0	...	...	...
...	1282 0 0	1066 19 15	...	34 0 0	22 3 0	0 13 0	
...	...	...	...	4 0 0	244 0 0	...	3 15 0
...	153 0 0	133 0 0	...	5145 0 0	3222 2 20	0 12 12	3 14 0
...		
...	975 0 0	992 4 20	266 0 0	170 0 0	144 10 0	0 17 0	
...	...	3†	...	127 5 0	68 0 0	0 10 16	3 19 0
...	...	...	...	154 10 0	264 7 11	1 14 5	3 19 0
...	...	...	...	2154 2 0	1755 14 0	0 16 7	
...	
40 0 0	43152 10 0	43896 1 12	324 0 0	75634 17 0	67624 10 5	0 17 21	
...	...	1†128 0 0	...	...	...	...
...	...	2†36 0 0	...	...	1†128 0 0	...	
...	...	3†59 0 0	...	...	2†36 0 0	...	
...	...	4†277 0 0	...	...	3†59 0 0	...	
...	...	5†572 0 0	...	...	4†277 0 0	...	
...	...	...	...	...	5†572 0 0	...	
...	...	1072 0 0	...	...	1072 0 0	...	

* Estimated.

TABLE No. II.—Return of

Murchison

NANNINE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Sold therefrom. ozs. dwts. grs.
84N	...	Alliance	...	...	...
8N	...	Caledonian Extended	...	16 0 0	19 10 0
10N, 11N, 13N, 17N, 37N, 43N	...	Champion Reef (W.A., Nannine) G.M. Co.	...	1113 0 0	664 0 0
7N, 15N, 42N, 44N, 45N, 47N	...	Champion Extended G.M. Co.	...	2110 0 0	1309 0 0
27N	...	Crown	...	...	...
199N	...	Douglas Boulder	...	...	...
102N	...	Esmeralda	...	...	...
48N	...	Gabarintha	...	...	...
54N, 55N	...	Home Rule South, Nos. 1 and 2	The Anglo-Westralian and General Exploration, Ltd.	52 0 0	7 0 0
73N, 113N	Iron King and Kaiser Syndicate	...	...
225N	...	Kapunda Gabarintha	...	...	...
109N	...	Lady Eva	...	...	...
178N	...	Lady Maud	...	...	...
204N	...	Lake Shore	...	22 0 0	12 0 0
214N	...	Manchester	...	...	...
31N	...	Martindale	...	...	...
90N	...	Meekatharra	...	...	...
93N	...	Meekatharra, S. Block	...	...	...
171N	...	Mount Vranizan	...	...	...
189N	...	Mount Yagahong	Mount Yagahong G.Ms. and Exploration Co., Ltd.	363 0 0	331 11 0
219N (129N)	...	Munara King	...	...	...
167N, 168N	Murchison Caledonian Co. ...	...	...
16N, 166N	Nannine G.M. Co., N.L.	265 0 0	65 2 12
160N	...	Newhaven	...	...	cy. ¹ 12 7 18
169N, 170N, 172N	New Murchison King G.Ms., Ltd.	376 0 0	884 11 0
18N	...	New Year...	...	...	...
175N	Nowthanna G.M., Ltd.	...	...
...	...	Protection Area, No. 68N	...	...	...
...	...	Protection Area, No. 69N	...	28 0 0	15 0 0
139N	Review Syndicate	...	...
25N	...	Royalist Consolidated	...	50 0 0	61 18 0
174N	...	Star of the East...	Star of the East G.M., Ltd.	1905 0 0	1299 2 0
50N	...	St. Albans	...	...	...
134N	...	Trilby	...	...	...
32N	...	Tumbulgum	...	12 0 0	9 4 0
46N	...	Tumbulgum Extended	...	...	...
122N	...	Unity	...	8 0 0	9 12 0
			Queen of the Lake Battery public crushing	...	...
			...	6320 0 0	4699 18 6

cy.¹ From 4 cwt. Tailings.

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...
...	{ 5 0 0	31 0 0	...	...	...	...	20 0 0	128 0 0
...	{ 9 0 0	134 6 8	...	...	...	...	140 0 0	74 0 0
...	258 0 0	318 4 0	...	...	...	...	...	...
...	2340 0 0	1935 0 0	...	2440 0 0	1456 0 0	...	3061 0 0	1148 0 0
...	...	...	...	15 0 0	16 0 0	...	...	...
80 18 0	...	...	* 112 11 0	...	...	* 40 3 0	...	...
...	...	...	...	27 0 0	28 6 0	...	...	...
...	...	...	...	...	...	...	30 0 0	5 17 0
...	50 0 0	51 10 0	...	...	...	...	...	...
...	...	...	...	...	...	...	11 0 0	11 15 0
...	...	...	...	...	...	* 19 18 0	...	...
...
...	...	...	* 13 12 10	...	...	...	...	...
...	...	...	...	19 10 0	18 6 0	...	...	...
...	...	...	...	61 0 0	47 7 0	...	...	...
...	...	...	...	...	...	...	53 0 0	160 0 0
...	103 0 0	98 9 0	...	461 0 0	327 15 0	...	450 0 0	592 13 0
...	...	...	...	...	...	...	300 0 0	373 16 0
...	...	...	...	25 0 0	68 15 0	...	35 0 0	pl.38 6 8
...	...	...	...	...	...	...	...	pl.43 1 16
...	...	...	...	...	...	...	...	36 17 22
...
...	720 0 0	1202 1 0	...	750 0 0	1132 7 4	...	670 0 0	801 2 0
...	33 0 0	40 7 0	...	15 0 0	8 10 0	...	17 10 0	20 10 0
...
...
...	10 0 0	10 6 0	...	...	...	...	...	...
...	50 0 0	68 2 12	...	48 0 0	57 2 3	...	20 0 0	26 14 0
...	2350 0 0	2603 19 0	...	2225 0 0	3476 8 0	...	2012 0 0	1329 7 0
...	...	...	...	51 0 0	80 2 0	...	51 0 0	pl.143 0 16
...	...	...	...	...	...	...	...	pl.160 16 8
...	...	...	...	52 0 0	42 17 0	...	...	...
...	...	...	...	26 0 0	44 3 0	...	...	...
...	15 0 0	18 1 21	...	...	...	...	26 0 0	18 11 0
...
80 18 0	5943 0 0	6511 6 17	126 3 10	6215 10 0	6803 18 7	60 1 0	6896 10 0	5206 12 4

* Dollied. pl. From Plates.

TABLE NO. II.—Return of

Murchison

NANNINE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tous cwts. qrs.	ozs. dwts. grs.
84N	Alliance		...	...	...
8N	Caledonian Extended		...	50 0 0	312 16 8
10N, 11N, 13N, 17N, 37N, 43N		Champion Reef (W.A., Nannine) G.M. Co.	...	1511 0 0	1056 4 0
7N, 15N, 42N, 44N, 45N, 47N		Champion Extended G.M. Co.	...	9951 0 0	5848 0 0
27N	Crown		...	15 0 0	16 0 0
199N	Douglas Boulder		233 12 0	...	...
102N	Esmeralda		...	...	...
48N	Gabanintha		...	27 0 0	28 6 0
54N, 55N	Home Rule South, Nos. 1 and 2	The Anglo-Westralian and General Exploration, Ltd.	...	82 0 0	12 17 0
73N, 113N		Iron King and Kaiser Syndicate	...	50 0 0	51 10 0
225N	Kapunda Gabanintha		...	11 0 0	11 15 0
109N	Lady Eva		19 18 0	...	...
178N	Lady Maud		...	...	...
204N	Lake Shore		...	22 0 0	12 0 0
214N	Manchester		13 12 10	...	...
31N	Martindale		...	19 10 0	18 6 0
90N	Meekatharra		...	61 0 0	47 7 0
93N	Meekatharra S. Block		...	53 0 0	160 0 0
171N	Mount Vranizan...		...	1014 0 0	1018 17 0
189N	Mount Yagahong	Mt. Yagahong G.Ms. and Exploration Co., Ltd.	...	663 0 0	786 15 0
219N (129N)	Munara King		...	60 0 0	105 12 22
167N, 168N		Murchison Caledonian Co.	...	...	...
16N, 166N		Nannine G.M. Co., N.L.	...	265 0 0	65 2 12
160N	Newhaven		...	...	12 7 18
169N, 170N, 172N		New Murchison King G.Ms., Ltd.	...	2516 0 0	4020 1 4
18N	New Year...		...	65 10 0	69 7 0
175N		Nowthanna G.Ms., Ltd....	...	...	...
	Protection Area No. 68N		...	...	...
	Protection Area No. 69N		...	28 0 0	15 0 0
139N		Review Syndicate	...	10 0 0	10 6 0
25N	Royalist Consolidated		...	168 0 0	213 16 15
174N	Star of the East	Star of the East G.M., Ltd.	...	8492 0 0	9012 13 0
50N	St. Albans		...	102 0 0	174 6 6
134N	Trilby		...	...	...
32N	Tumbulgum		...	64 0 0	52 1 0
46N	Tumbulgum Extended		...	26 0 0	44 3 0
122N	Unity		...	49 0 0	46 4 21
		Queen of the Lake Battery public crushing	...	...	...
			267 2 10	25375 0 0	23221 15 10

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.	
Dolled and Specimens.	Ore treated.	Gold therefrom.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£	s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.		
...	175 0 0	255 15 0	...	175 0 0	255 15 0	1 9 5		
...	70 0 0	440 0 0	...	120 0 0	752 16 8	6 5 11	3	14 0
...	9303 0 0	4687 4 12	...	10814 0 0	5743 8 12	0 10 14	3	12 6
...	447 0 0	562 2 0	...	10398 0 0	6410 2 0	0 11 8	3	12 6
...	181 0 0	380 12 0	...	196 0 0	396 12 0	2 0 11		
231 10 12	...	...	465 2 12	...	...	...	3	15 0
...	16 0 0	25 4 0	...	16 0 0	25 4 0	1 11 12		
...	117 0 0	80 4 0	...	144 0 0	108 10 0	0 15 1	3	3 5
...	25 0 0	20 0 0	...	107 0 0	32 17 0	0 6 3		
...	...	...	...	50 0 0	51 10 0	1 0 14		
...	...	...	...	11 0 0	11 15 0	1 1 8		
70 17 0	...	...	90 15 0	...	...	...	3	15 0
...	60 0 0	130 0 0	...	60 0 0	130 0 0	2 3 8		
...	27 0 0	36 15 0	...	49 0 0	48 15 0	0 19 21		
...	...	...	13 12 10	...	...	...
...	41 10 0	28 9 0	...	61 0 0	46 15 0	0 15 7	3	10 0
...	...	...	...	61 0 0	47 7 0	0 15 12		
...	...	...	...	53 0 0	160 0 0	3 0 9	3	12 0
...	372 0 0	277 0 0	...	1386 0 0	1295 17 0	0 18 16	3	17 10
...	1398 0 0	1605 12 0	...	2061 0 0	2392 7 0	1 3 5	3	5 0
...	36 0 0	58 0 0	...	96 0 0	163 12 22	1 14 2	4	0 0
...	8559 0 0	6494 8 0	...	8559 0 0	6494 8 0	0 15 4		
...	2273 0 0	3990 16 0	...	2538 0 0	4055 18 12	1 11 23	3	8 6
118 19 0	...	...	118 19 0	...	12 7 18	...	3	17 10
...	995 0 0	1057 13 0	...	3511 0 0	5077 14 4	1 8 15	3	19 4
...	118 0 0	104 10 0	...	183 10 0	173 17 0	0 18 22	3	17 0
...	122 0 0	43 0 0	...	122 0 0	43 0 0	0 7 1		
...	21 0 0	32 0 0	...	21 0 0	32 0 0	1 10 11		
...	30 10 0	91 16 0	...	58 10 0	106 16 0	1 18 5		
...	...	...	...	10 0 0	10 6 0	1 0 14		
...	379 10 0	1432 4 12	...	547 10 0	1646 1 3	3 0 3	3	11 0
...	11272 0 0	12787 14 0	...	19764 0 0	21800 7 0	1 2 1	3	5 0
...	122 0 0	141 11 20	...	224 0 0	315 18 2	1 8 3	3	13 9
...	29 10 0	26 11 0	...	29 10 0	26 11 0	0 18 0		
...	606 10 0	255 1 8	...	670 10 0	307 2 8	0 9 3	3	12 0
...	...	...	...	26 0 0	44 3 0	1 13 23	3	12 0
...	58 0 0	28 0 0	...	107 0 0	74 4 21	0 13 21	3	10 0
...	10 0 0	26 0 0	...	10 0 0	26 0 0	2 12 0		
421 6 12	36864 10 0	35098 3 4	688 8 22	62239 10 0	58319 18 14	0 18 17		

TABLE NO. II.—Return of

Murchison

DAY DAWN

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
4D, 30D, 153D...	Chicago	Chicago United ... ..	...	...	...
28D	Cooya ... ..	...	...	...	...
22D	Crème d'Or ... ..	...	...	18 0 0	18 14 0
14D, 71D	Croesus ... ..	...	...	114 0 0	174 7 12
1D	Day Dawn ... ..	...	...	1973 0 0	2024 19 12
2D	Day Dawn North	} Consolidated Murchison G.Ms., Limited }	...	...	...
7D	Day Dawn West
15D ... ..	...	Emperor G.Ms., Limited ... ..	...	25 0 0	28 2 0
9D	Eureka ... ..	...	...	...	...
26D	Eureka No. 5 ... ..	...	...	40 0 0	20 0 0
35D	Evening Star ... ..	...	...	...	...
42D, 68D, 69D, 70D, 74D 143D, 35D, 79D	...	Golconda G.Ms., Limited ... ..	...	605 0 0	445 3 16
78D	Golden Crown ... ..	...	...	...	...
125D	Great Western ... ..	...	...	...	...
156D	Groper ... ..	...	...	...	...
5D, 9D, 142D ... ..	...	Island Eureka G.Ms., Ltd. ... ..	...	299 0 0	298 0 0
8D, 40D ... ..	...	Island Lake Austin G.M. Co. (N.L.)	...	...	pl. 78 17 0
106D	Island Lake Austin South	...	...	...	...
27D, 149D	Kinsella (late 49D, 50D)	...	...	...	...
6D, 60D, 61D, 52D ... ..	...	Mainland Consols, Limited ... ..	...	...	...
147D	Mainland Consols Exd., N.	...	...	25 0 0	172 12 0
97D	Mainland East ... ..	...	...	...	...
(157D), (100D), (16D)	New Caledonia ... ..	...	...	...	...
155D	New Orient ... ..	...	...	...	...
101D	Pelican ... ..	...	...	...	...
46D	Perseverance (Day Dawn)	...	...	...	...
85D	Perseverance (Mainland)	...	...	...	...
66D	Queen's Birthday South	...	...	...	...
151D	Richmond ... ..	...	...	...	...
138D (24D)	Rubicon ... ..	...	...	...	...
134D (41D)	Sailor Lad ... ..	...	...	...	...
146D (114D)	Smith's United ... ..	...	...	20 0 0	110 12 4
115D	Southdown ... ..	...	...	5 0 0	2 10 0
119D	St. Albans ... ..	...	...	...	...
163D	Strathmore ... ..	...	...	...	...
145D (23D)	Trenton ... ..	...	...	16 0 0	17 13 0
11D	Von Moltke ... ..	...	...	...	...
135D	Wild Cat ... ..	...	...	20 0 0	297 17 0
12D ... ..	...	Yalgoo Proprietary and Pro- specting Syndicate, Ltd.) Day Dawn South No. 1. Public Battery Small parcels crushed at Island Lake Austin	...	23 0 0	9 15 0
				3183 0 0	3694 2 20

pl. From plates.

Ore Treated, etc.—continued.

District—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	50 0 0	62 9 0	...	20 0 0	24 10 0	...	...	...
...
...	35 0 0	30 11 0	...	44 0 0	14 10 0	...	37 0 0	24 5 0
...	...	...	...	125 0 0	124 16 12	...	80 0 0	20 18 12
...	1723 0 0	1666 15 0	...	...	...	...	...	...
...	...	...	...	...	...	...	1018 0 0	614 15 0 cy ¹ .128 2 12
...	...	...	...	2286 0 0	1593 4 5	...	...	...
...
...	45 0 0	50 0 0	...	30 0 0	15 0 0	...	100 0 0	141 0 0
...
...	...	...	...	645 0 0	2240 0 0	...	533 0 0	1305 13 0
...
...
* 35 11 13	86 0 0	68 19 3	...	75 0 0	46 8 21	...	11 0 0	25 5 7
...	...	...	...	200 0 0	389 15 0	...	50 0 0	211 15 0
...	40 0 0	12 3 0	...	98 0 0	14 18 0	...	...	...
...
...
...	144 0 0	32 19 14	...	...	pl.43 11 5	...	48 10 0	11 12 9
...	...	pl.252 8 0	...	...	...	...	70 0 0	51 12 0
...
...
...
...	...	...	...	15 10 0	70 13 0	* 6 3 0	225 0 0	180 13 15
...
...	49 12 0	29 0 0	...	...	...	...	...	...
...
...
...	16 0 0	16 1 0	...	120 10 0	89 18 12	...	68 0 0	39 8 0
...	8 0 0	3 12 0	...	...	...	...	...	...
...	...	...	* 4 0 0	20 0 0	6 17 0	...	...	...
...	7 0 0	10 10 0	...	...	...	...	...	...
...
...	...	...	...	...	...	...	47 0 0	29 2 5
...
* 2 18 7	...	...	...	...	...	...	53 0 0	393 8 0
...	...	...	...	...	...	...	31 0 0	14 17 0 con. 5 0 0
...	...	cy. 3 10 0	...	...	...	...	...	...
...
...	...	...	...	...	...	...	119 0 0	53 0 0
38 9 20	2203 12 0	2238 17 17	4 0 0	3679 0 0	4674 2 7	6 3 0	2490 10 0	3250 7 12

* Dollied.

pl. Plates.

cy. Tonnage not stated.

cy. 1 From 550 tons tailings.

con. Concentrates; tonnage not stated.

TABLE NO. II.—Return of

Murchison

DAY DAWN

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
4D, 30D, 153D ...	Chicago ...	Chicago United ...	...	70 0 0	86 19 0
23D ...	Cooya ...	...	...	...	...
22D ...	Crème d'Or ...	...	...	134 0 0	88 0 0
14D, 71D ...	Crœsus ...	...	...	319 0 0	320 2 12
1D ...	Day Dawn ...	} Consolidated Murchison } G.Ms., Limited	...	3696 0 0	3691 14 12
2D ...	Day Dawn North ...		...	1018 0 0	742 17 12
7D ...	Day Dawn West ...		...	2286 0 0	1593 4 5
15D ...	...	Emperor G.Ms, Limited ...	...	25 0 0	28 2 0
9D ...	Eureka ...	...	...	...	...
26D ...	Eureka No. 5 ...	...	...	215 0 0	226 0 0
35D ...	Evening Star ...	...	...	...	...
42D, 68D, 69D, 70D, 74D, 143D, 35D, 79D	...	Golconda G.Ms., Limited ...	...	1783 0 0	3990 16 16
78D ...	Golden Crown ...	...	...	...	...
125D ...	Great Western ...	...	...	...	...
156D ...	Groper ...	...	35 11 13	172 0 0	146 13 7
5D, 9D, 142D ...	...	Island Eureka G.Ms., Ltd. ...	...	549 0 0	894 10 0
8D, 40D ...	...	Island Lake Austin G.M. Co. (N.L.)	...	138 0 0	105 18 0
106D ...	Island Lake Austin South ...	...	...	...	...
27D, 149D ...	Kinsella (late 49D, 50D) ...	...	...	192 10 0	88 3 4
6D, 60D, 61D, 52D ...	...	Mainland Consols, Limited	...	70 0 0	304 0 0
147D ...	Mainland Consols Exd., N. ...	...	...	25 0 0	172 12 0
97D ...	Mainland East ...	...	...	...	...
(157D), (100D), (16D)	New Caledonia ...	...	6 3 0	...	...
155D ...	New Orient ...	...	...	240 10 0	251 6 15
101D ...	Pelican ...	...	...	...	...
46D ...	Perseverance (Day Dawn) ...	...	...	...	...
85D ...	Perseverance (Mainland) ...	...	...	49 12 0	29 0 0
66D ...	Queen's Birthday South ...	...	...	...	...
151D ...	Richmond ...	...	...	...	...
138D (24D)	Rubicon ...	...	...	204 10 0	145 7 12
134D (41D)	Sailor Lad ...	...	...	8 0 0	3 12 0
146D (114D)	Smith's United ...	...	4 0 0	40 0 0	117 9 4
115D ...	Southdown ...	...	...	12 0 0	13 0 0
119D ...	St. Albans ...	...	...	...	...
163D ...	Strathmore ...	...	...	47 0 0	29 2 5
148D (23D)	Trenton ...	...	...	16 0 0	17 13 0
11D ...	Von Moltke ...	...	2 18 7	...	...
135D ...	Wild Cat ...	...	...	73 0 0	691 5 0
12D ...	...	Yalgoo Proprietary and Pro- specting Syndicate, Ltd.	...	54 0 0	33 2 0
		Day Dawn South No. 1. Public battery	...	...	...
		Small parcels crushed at Island Lake Austin	...	119 0 0	53 0 0
			48 12 20	11556 2 0	13857 10 8

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	5 2 0	343 3 0	...	75 2 0	430 2 0	5 14 16	3 19 6
...	85 0 0	56 7 0	...	85 0 0	56 7 0	0 13 6	
...	21 10 0	19 6 0	...	155 10 0	107 6 0	0 13 19	3 17 6
...	762 0 0	1428 0 0	...	1081 0 0	1748 2 12	1 12 8	3 18 6
...	23744 0 0	14229 0 0	...	27440 0 0	17920 14 12	0 13 1	} 3 12 0
...	...	...	...	1018 0 0	742 17 12	0 14 14	
...	8808 0 0	7535 16 18	...	11094 0 0	9129 0 23	0 16 10	
...	1603 9 0	2758 16 16	...	1628 9 0	2786 18 16	1 14 5	
...	143 4 0	529 0 0	...	143 4 0	529 0 0		
...	151 15 0	228 18 9	...	366 15 0	454 18 9	1 4 19	3 18 9
...	1253 0 0	429 0 0	...	1253 0 0	429 0 0	0 6 20	
...	4782 0 0	10352 5 0	...	6565 0 0	14343 1 16	2 3 16	3 17 6
...	110 0 0	143 0 0	...	110 0 0	143 0 0	1 6 0	
...	37 0 0	27 11 11	...	37 0 0	27 11 11	0 14 21	
...	...	...	...	172 0 0	140 13 7	0 16 8	3 16 6
...	280 4 0	1885 5 0	35 11 13	829 4 0	2779 15 0	3 7 1	
...	1604 0 0	513 5 0	...	1742 0 0	619 3 0	0 7 2	
...	20 0 0	2 0 0	...	20 0 0	2 0 0	0 2 0	
142 0 0	7312 0 0	3357 2 10	142 0 0	7504 10 0	3445 5 14	0 9 4	3 18 0
...	3099 3 0	17736 12 9	...	3169 3 0	18040 12 9	...	3 19 0
...	...	...	...	25 0 0	172 12 0	6 18 1	
...	20 0 0	69 15 15	...	20 0 0	69 15 15	3 9 18	
...	155 0 0	88 5 6	6 3 0	155 0 0	88 5 6	0 11 9	
...	341 0 0	3034 3 0	...	581 10 0	3285 9 15	5 13 0	3 19 6
...	25 0 0	29 0 0	...	25 0 0	29 0 0	1 3 4	
...	37 0 0	24 6 0	...	37 0 0	24 6 0	0 13 3	
356 17 0	10 2 0	285 18 0	356 17 0	59 14 0	314 18 0	5 5 11	
...	33 0 0	8 0 0	...	33 0 0	8 0 0	0 4 20	
...	48 0 0	150 0 0	...	48 0 0	150 0 0	3 2 12	
...	801 0 0	543 11 0	...	1005 10 0	688 18 12	0 13 18	3 19 7
...	40 0 0	55 0 0	...	48 0 0	58 12 0	1 4 10	
...	117 10 0	280 6 0	4 0 0	157 10 0	397 15 4	2 10 12	
...	321 0 0	524 15 17	...	333 0 0	537 15 17	1 12 7	
...	43 0 0	16 16 0	...	43 0 0	16 16 0	0 7 19	
...	...	...	...	47 0 0	29 2 5	0 12 9	3 18 0
...	7732 0 0	6007 0 0	...	7748 0 0	6024 13 0	0 15 13	
...	...	...	2 18 7	...	...	...
244 5 0	0 1 0	50 0 0	244 5 0	73 1 0	741 5 0	10 3 1	
...	666 0 0	805 17 0	...	720 0 0	838 19 0	1 3 7	3 19 7
...	380 0 0	505 10 0	...	380 0 0	505 10 0	1 6 14	
...	...	...	...	119 0 0	53 0 0	0 8 21	
743 2 0	64591 0 0	74052 12 15	791 14 20	76147 2 0	87910 2 23	1 3 2	

Murchison
MOUNT MAGNET

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
302M	Agnes ... ..	...	...	...
317M	Birthday ... ..	...	...	...
304M	Black Diamond ... ..	...	...	...
351M	Boogardie ... ..	...	16 0 0	4 10 12
184M	Bonanza ... ..	...	...	...
74M, 78M	...	British Exploration Co., Ltd.	...	...
43M	Bungarra ... ..	...	...	...
48M	Brilliant ... ..	...	...	...
375M	Canterbury ... ..	...	...	...
367M	Christmas Gift ... ..	...	...	...
337M	Constellation ... ..	...	20 0 0	6 10 0
80M, 345M	...	Corsair Consolidated Gold Mine, Limited	...	...
172M	Eclipse ... ..	...	19 6 0	255 10 0
264M	Eclipse Extended ... ..	...	48 0 0	24 11 0
281M	{ Edith Ellen ... .. }	...	...	...
185M	{ Exchange ... .. }	...	...	...
389M	Evening Star ... ..	...	...	...
338M	Excelsior ... ..	...	...	...
333M	Fair Play ... ..	...	...	...
407M	Federal ... ..	...	...	...
410M	Federation ... ..	...	...	...
343M	Galtee More ... ..	...	...	...
417M	Gay Parisienne ... ..	...	...	...
49M, 56	...	Gascoyne Murchison Gold- fields Exploration Co., Ltd.	...	...
144M	Geraldton United ... ..	...	22 0 0	8 12 3
327M	Gibson's Choice ... ..	...	25 0 0	50 19 0
173M	Golden Crown ... ..	...	...	...
47M, 179M	Golden Giant ... ..	...	...	...
143M	Golden Giant West ... ..	...	...	...
201M	Golden Gem ... ..	...	...	...
224M	Golden Point ... ..	...	...	...
162M	Golden Stream ... ..	...	60 0 0	31 17 0
41M	Golden Treasure ... ..	...	15 0 0	20 3 0
225M	Grand Gorge ... ..	...	...	...
439M	Grosotto ... ..	...	...	...
415M	Havela ... ..	...	...	...
239M	Havelock ... ..	...	113 0 0	86 15 0
335M	Havelock Extended ... ..	...	...	...
328M	Havelock Proprietary ... ..	...	10 0 0	9 15 17
361M	Hesperian ... ..	...	22 0 0	49 7 12
401M	Homeward Bound ... ..	...	...	...
414M	Johnston's Treasure ... ..	...	...	...
189M, 190M, 191M	Jupiter 1, 2, and 3 ... ..	...	28 0 0	26 5 0
393M	Keep it Dark ... ..	...	...	...
31M, 30M, 39M, 247M	...	Kinambla (Wealth of Nations), Limited	...	...
348M	Klondyke ... ..	...	...	...
370M	La Perola ... ..	...	...	...
379M	Lady Brassey ... ..	...	24 10 0	63 5 0
372M	Lady Bunbury ... ..	...	67 0 0	19 15 12
300M	Lady Hilda ... ..	...	79 0 0	17 0 0
416M	Lady Maud ... ..	...	...	...
326M	Louise ... ..	...	...	...
226M	Lucknow ... ..	...	...	...
322M	Magnet Gem ... ..	...	...	...
9M, 11M	...	Mayflower Gold Mines, Ltd.	43 0 0	53 6 0	
418M	Mermaid ... ..	...	...	...
182M	Midlothian ... ..	...	12 0 0	11 2 0
34M, 54M	Monarch Leases ... ..	...	...	...
155M, 314M, 320M	...	Morning Star Quartz Crush- ing Co.	2833 0 0	690 19 0	
60M, 64M, 319M, 399M	...	Mt. Magnet G.M. Co., Ltd.	570 0 0	196 0 0	
425M	Murchison Boulder ... ..	...	...	...
7M, 65M, 92M, 136M, 148M, 171M, 206M, 213M, 257M, 301M, 313M, 315M, 316M, 324M, 355M, 356M	...	Murchison New Chum Gold Mines, Ltd.	272 0 0	113 2 0	
347M	National ... ..	...	...	...
26M	New Chum South Extd. ... ..	...	...	...
371M	New Moon ... ..	...	88 0 0	77 18 0
292M	New Year's Gift ... ..	...	...	...
391M	Nil Desperandum ... ..	...	...	...
66M	{ Occidental ... .. }	...	...	...
40M	{ Occidental Extended } ... ..	...	...	...
160M	O.K. ... ..	...	...	...
45M	Pearl of Ben Rose ... ..	...	...	...
65M	Planet ... ..	...	47 0 0	11 13 0
...	P.A. No. 56 ... ..	...	...	...
...	P.A. No. 61 ... ..	...	9 0 0	32 2 0
339M	Primrose ... ..	...	25 0 0	16 0 0
...	Quartz Claim No. 32M ... ..	...	...	...
...	" " No. 33M ... ..	...	...	...
...	" " No. 8M ... ..	...	12 10 0	10 14 0
...	" " No. 12M ... ..	...	...	...
...	" " No. 81M (Mercury) ... ..	...	...	...
...	Carried forward ... ..	...	4480 0 0	1887 12 8

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
...	13 0 0	4 3 0	...	...	...	...	...	...
...	...	...	...	32 10 0	11 14 10	...	152 0 0	19 4 0
...
...
...
...	135 0 0	163 10 0	...	60 0 0	50 8 0	...	17 0 0	19 8 12
...	18 0 0	53 0 0	...	18 0 0	62 11 5	...	15 0 0	88 5 0
...	...	...	...	...	...	* 57 10 0	...	...
...	1050 0 0	421 1 0	...	...	...	...	...	...
...	55 0 0	336 13 0	...	...	cy. ¹ 50 4 0	...	...	...
...	23 12 0	90 16 0	...	...	cy. ² 216 2 0	...	33 0 0	168 11 0
...	14 0 0	34 11 0	...	...	...	...	32 0 0	63 10 0
...
...	30 0 0	5 5 0	...	...	...	...	...	...
...	8 10 0	2 0 0	...	...	...	...	...	...
...	...	...	...	23 0 0	58 6 0	...	23 0 0	62 0 0
...	...	...	...	...	...	...	10 0 0	0 11 0
...	46 0 0	55 12 12	* 23 1 0	28 0 0	4 2 0	* 28 0 0	...	...
...	19 5 0	4 7 11	...	...	...	...	46 10 0	31 9 0
...
...	14 0 0	73 14 0	...	55 0 0	337 7 12	...	20 0 0	3 4 0
...	29 0 0	16 4 0	...	...	...	...	104 10 0	386 7 0
...	126 0 0	45 5 0	...	...	...	...	...	...
...
...	35 0 0	31 10 0	...	81 0 0	70 4 0	...	59 0 0	38 12 12
...	40 0 0	17 19 0	...	51 0 0	26 1 0	...	...	...
...	...	...	...	...	...	...	22 0 0	19 0 6
...	...	...	...	56 0 0	66 7 6	...	73 0 0	61 1 0
...	...	...	...	...	...	...	36 10 0	30 15 0
...	...	...	...	...	...	...	24 0 0	34 13 0
...	...	...	...	281 0 0	255 15 0	* 85 8 20	...	...
...	25 0 0	16 5 0	...	32 0 0	16 10 0	...	...	...
...	...	...	...	6 0 0	8 17 0	...	24 0 0	10 7 0
...	96 0 0	132 7 0	...	32 0 0	53 15 0	...	108 0 0	136 4 12
...	...	...	...	33 0 0	30 16 0	...	...	cy. ³ 2 19 0
...	...	...	...	...	...	...	2 0 0	19 4 0
...	...	...	...	82 0 0	65 9 12	* 11 8 0	105 0 0	82 15 0
...	...	...	...	49 18 0	103 2 0	...	...	...
...	...	...	...	202 5 0	250 3 0	...	...	...
* 29 13 0	15 0 0	18 10 2	...	5 0 0	73 10 18	...	...	...
...	...	...	...	17 0 0	10 15 0	...	24 0 0	26 2 0
...	48 10 0	127 6 0	...	...	...	...	...	...
...	...	...	...	23 0 0	11 7 6	...	21 0 0	5 5 0
...
...	39 0 0	71 0 0	...	...	...	* 5 0 0	...	...
...	610 0 0	766 3 12	...	...	...	...	68 0 0	61 4 12
...
...	...	...	...	...	...	...	25 0 0	22 17 0
...	...	...	...	...	...	...	40 0 0	21 9 0
...	1793 0 0	644 9 0	...	2598 0 0	762 12 12	...	...	...
...	382 0 0	150 15 0	...	374 0 0	270 11 0	...	3137 0 0	627 15 0
...	...	...	...	...	...	...	367 0 0	501 7 0
...	164 0 0	85 15 0	...	167 0 0	29 10 0	...	12 0 0	1 17 9
...	...	...	...	...	...	...	346 0 0	135 19 0
...	...	...	...	...	con. ⁴ 25 15 5	...	...	...
...	...	...	...	...	cy. ⁴ 465 0 0	...	...	cy. ⁵ 1622 1 0
...
...	101 0 0	68 14 0	...	101 0 0	7 13 0	...	...	...
...	...	...	...	67 0 0	37 10 0	...	...	...
...
...	16 0 0	24 17 0	...	...	...	...	...	...
...	...	...	...	0 6 0	25 10 0	...	41 10 0	75 16 0
...	...	...	...	...	...	...	11 0 0	19 10 0
...	75 0 0	41 10 0	...	...	...	...	...	...
...	28 0 0	29 0 0	...	...	...	...	...	...
...
...	...	...	...	8 0 0	7 16 12	...	56 0 0	22 10 0
...
* 5 10 0	23 0 0	19 13 0	...	...	...	...	...	...
...	...	...	...	22 0 0	57 4 0	...	...	...
35 3 0	5071 17 0	3551 15 13	23 1 0	4504 19 0	3522 10 2	187 6 20	5055 0 0	4521 13 15

* Dollied. † Specimens. ¹ con. From 15 tons concentrates. ² cy.² From 10 tons tailings. ³ cy.³ From 56 tons 1 cwt. ⁴ cy.⁴ From 1278 tons. ⁵ cy.⁵ From 3927 tons.

Murchison
MOUNT MAGNET

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.											
			Dolled and Specimens.		Ore treated.		Gold therefrom.							
			ozs.	dwt.	grs.	tous	cwts.	grs.	ozs.	dwt.	grs.			
	Brought forward ...								4480	0	0	1887	12	8
394M ...	Queenslander ...													
412M ...	Rosella ...													
35M ...	Rock of Ages ...													
307M ...	Rock of Cashel ...													
426M ...	Rose, Shamrock, and Thistle ...													
278M ...	Royal Surprise ...													
406M ...	Sampey's Hidden Secret Secret ...													
2M ...	South Pearl ...													
359M ...	St. Alban's ...								21	0	0	19	18	0
384M ...	St. Alban's South ...													
336M ...	Star of the West ...								12	10	0	68	11	0
421M ...	Splendour ...													
413M ...	Surprise ...													
63M ...	Tarquin ...													
332M ...	Three Star ...								17	0	0	232	13	0
408M (127M) ...	Venus ...								15	0	0	35	0	0
80M ...	Vicquery Piedmont ...													
431M ...	Viking ...													
374M ...	Victoria ...													
262M ...	Wah Wah ...								38	10	0	23	19	0
101M ...	Waratah ...													
341M ...	Waringee ...								25	0	0	14	5	0
57M ...	Welcome ...								† 41	9	0			
395M ...	Welcome News ...													
353M ...	Wellington ...								18	0	0	28	2	0
103M ...	Wheel of Fortune North ...													
109M ...	Wheel of Fortune N. Extd. ...													
151M ...	Wheel of Fortune S. Block ...													
29M ...	White Rose No. 1 North ...													
340M ...	Windsor Castle ...													
334M ...	Wrayfield ...								29	15	0	29	17	0
198M ...	Yuletide ...													
23M ...	Yuletide North ...													
	Public Crushings ...													
									41	9	0	4656	15	0
												2339	17	8

MOUNT MAGNET

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.											
			Dolled and Specimens.		Ore treated.		Gold therefrom.							
			ozs.	dwt.	grs.	tous	cwts.	grs.	ozs.	dwt.	grs.			
302M ...	Agnes ...								13	0	0	4	3	0
317M ...	Birthday ...								184	10	0	30	18	10
304M ...	Black Diamond ...													
351M ...	Boogardie ...								16	0	0	4	10	12
184M ...	Bonanza ...													
74M, 78M ...	... ..	British Exploration Co., Ltd.												
48M ...	Bungarra ...													
48M ...	Brilliant ...								212	0	0	233	6	12
375M ...	Canterbury ...								51	0	0	203	16	5
367M ...	Christmas Gift ...								57	10	0			
387M ...	Constellation ...								20	0	0	6	10	0
80M, 345M ...	... ..	Corsair Consolidated Gold Mine, Limited							1050	0	0	421	1	0
172M ...	Eclipse ...								74	0	0	642	7	0
264M ...	Eclipse Extended ...								104	12	0	500	0	0
281M ...	Edith Ellen ...								46	0	0	98	1	0
185M ...	Exchange ...													
389M ...	Evening Star ...								30	0	0	5	5	0
388M ...	Excelsior ...								8	10	0	2	0	0
333M ...	Fair Play ...								46	0	0	120	6	0
407M ...	Federal ...								10	0	0	0	11	0
410M ...	Federation ...								51	1	0			
343M ...	Galtee More ...								74	0	0	59	14	12
417M ...	Gay Parisienne ...								46	10	0	31	9	0
49M, 56M ...	... ..	Gascoyne Murchison Gold- fields Exploration Co., Ltd.							19	5	0	4	7	11
144M ...	Geraldton United ...								42	0	0	11	16	3
327M ...	Gibson's Choice ...								198	10	0	848	7	12
173M ...	Golden Crown ...								29	0	0	16	4	0
47M, 179M ...	Golden Giant ...								126	0	0	45	5	0
143M ...	Golden Giant West ...													
201M ...	Golden Gem ...								175	0	0	140	6	12
224M ...	Golden Point ...													
162M ...	Golden Stream ...								173	0	0	94	17	6
41M ...	Golden Treasure ...								88	0	0	81	4	0
225M ...	Grand Gorge ...								92	10	0	97	2	6
439M ...	Grosotto ...								24	0	0	34	13	0
415M ...	Havela ...								85	8	20			
239M ...	Havelock ...											394	0	0
	Carried forward ...								193	19	20	3347	7	0
												4080	12	5

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
35 3 0	5071 17 0	3551 15 13	23 1 0	4504 19 0	3522 10 2	187 6 20	5055 0 0	4521 13 15
...	98 0 0	50 13 0	...	...	...	...	...	...
...	...	...	...	13 0 0	14 0 0	...	...	...
...
...	...	...	...	...	...	...	57 0 0	16 17 0
...	24 0 0	3 0 11	...	...	...	...	...	...
...	...	...	...	...	...	*2 17 0	...	...
...	...	...	*23 1 8	1 0 0	10 3 12	...	...	...
...
...	...	...	...	16 0 0	17 13 0	...	8 0 0	18 13 0
...	23 0 0	19 15 0	...	60 0 0	57 10 0	...	22 0 0	13 11 0
*17 0 0	19 0 0	122 15 0	...	20 10 0	47 5 0	...	9 0 0	6 15 0
...	...	...	...	...	...	...	36 5 0	70 0 0
...	...	...	*38 7 0	...	...	...	...	...
...
...	...	...	...	10 0 0	38 10 16	...	13 10 0	4 6 0
...	...	...	...	...	...	...	14 0 0	95 0 0
...	...	...	...	981 0 0	597 5 0	...	1035 0 0	525 16 0
...	...	...	...	...	...	...	20 15 0	25 11 12
...	22 0 0	10 1 0	...	...	...	...	...	...
...	14 10 0	25 0 0	...	...	...	...	12 0 0	21 13 0
...	78 10 0	32 17 0	...	...	...	...	34 0 0	27 4 12
*149 1 0	...	...	...	...	...	...	...	...
...	...	...	...	31 0 0	6 17 0	...	330 0 0	354 19 0
...
...	35 0 0	116 8 0	...	74 0 0	235 0 0	...	80 0 0	435 0 0
...
...	...	...	...	53 0 0	109 12 12	...	28 10 0	133 15 0
...	51 0 0	5 13 0	...	...	...	...	...	...
...	...	...	*2 1 0	...	...	...	4 14 0	13 17 0
...	30 0 0	28 10 0	...	...	...	...	...	...
...	...	...	...	25 10 0	28 12 12	...	...	...
...	53 0 0	20 8 0	...	...	...	...	25 0 0	38 9 0
...	...	...	...	...	...	...	91 2 0	94 17 18
201 4 0	5519 17 0	3986 16 0	86 10 8	5789 19 0	4684 19 6	190 3 20	6875 16 0	6317 18 9

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
...	...	...	...	13 0 0	4 3 0	0 6 9	
...	...	...	...	184 10 0	30 18 10	0 3 8	4 0 0
...	29 0 0	25 9 0	...	29 0 0	25 9 0	0 17 13	
...	...	...	...	16 0 0	4 10 12	0 5 15	3 17 6
...	40 0 0	20 0 0	...	40 0 0	20 0 0	0 10 0	
...	110 0 0	144 13 0	...	110 0 0	144 13 0	1 6 7	
...	88 0 0	59 18 0	...	88 0 0	59 18 0	0 13 14	
...	100 0 0	167 0 0	...	312 0 0	400 6 12	1 5 15	4 0 0
...	...	...	...	51 0 0	203 16 5	3 19 22	3 18 0
...	...	...	57 10 0	...	...	...	4 0 0
...	...	...	...	20 0 0	6 10 0	0 6 12	
...	88 0 0	138 12 0	...	1138 0 0	559 13 0	0 9 20	
4 16 0	...	...	4 16 0	74 0 0	642 7 0	8 13 14	4 0 0
...	...	...	...	104 12 0	500 0 0	4 15 14	4 0 0
...	11 0 0	5 14 0	...	57 0 0	103 15 0	1 16 9	4 0 0
...
...	...	...	...	30 0 0	5 5 0	0 3 12	
...	...	...	...	8 10 0	2 0 0	0 4 16	
...	50 0 0	70 14 0	...	96 0 0	191 0 0	1 19 19	3 19 0
...	...	...	...	10 0 0	0 11 0	0 1 2	2 5 0
...	...	...	51 1 0	...	...	...
...	27 0 0	8 14 17	...	101 0 0	68 9 5	0 13 13	4 0 0
...	...	...	...	46 10 0	31 9 0	0 13 12	4 1 0
...	...	...	...	19 5 0	4 7 11	0 4 13	
...	...	...	...	42 0 0	11 16 3	0 5 14	
...	112 0 0	304 12 0	...	310 10 0	1152 19 12	3 14 6	
...	92 0 0	216 14 0	...	121 0 0	232 18 0	1 18 11	
...	21 0 0	26 3 0	...	147 0 0	71 8 0	0 9 17	
...	40 0 0	10 7 0	...	40 0 0	10 7 0	0 5 10	
...	14 0 0	7 10 0	...	189 0 0	147 16 12	0 15 15	4 0 6
4 12 0	...	3 0 0	4 12 0	...	3 0 0	...	
...	204 0 0	173 14 0	...	377 0 0	268 11 6	0 14 5	4 0 0
...	24 0 0	53 8 12	...	112 0 0	133 12 12	1 3 20	
...	117 0 0	579 15 0	...	209 10 0	676 17 6	3 4 14	3 15 0
...	...	...	...	24 0 0	34 13 0	1 8 21	
...	...	...	85 8 20	...	...	...	4 0 0
...	75 0 0	109 1 12	...	469 0 0	451 11 12	0 19 1	4 3 0
9 8 0	1242 0 0	2124 19 17	203 7 20	4589 7 0	5194 11 22		

* Dollied.

TABLE NO. II.—Return of

Murchison
MOUNT MAGNET

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwt. grs.	ozs. dwts. grs.
	Brought forward ...		193 19 20	3347 7 0	4080 12 5
335M ...	Havelock Extended ...		...	81 0 0	43 2 0
328M ...	Havelock Proprietary ...		...	16 0 0	18 12 17
361M ...	Hesperian ...		...	258 0 0	371 14 0
401M ...	Homeward Bound ...		...	33 0 0	33 15 0
414M ...	Johnston's Treasure ...		11 8 0	2 0 0	19 4 0
189M, 130M, 191M ...	Jupiter 1, 2, and 3 ...		...	215 0 0	174 9 12
393M ...	Keep it Dark ...		...	49 18 0	103 2 0
31M, 30M, 39M, 247M	...	Kinambla (Wealth of Nations), Limited	...	202 5 0	250 3 0
348M ...	Klondyke ...		29 13 0	20 0 0	92 0 20
370M ...	La Perola ...		...	41 0 0	36 17 0
379M ...	Lady Brassey ...		...	73 0 0	190 11 0
372M ...	Lady Bunbury ...		...	111 0 0	36 7 18
300M ...	Lady Hilda ...		...	79 0 0	17 0 0
416M ...	Lady Maud ...		5 0 0	...	...
326M ...	Louise ...		...	107 0 0	132 4 12
226M ...	Lucknow ...		...	610 0 0	766 3 12
322M ...	Magnet Gem ...		...	...	...
9M, 11M	...	Mayflower Gold Mines, Ltd.	...	68 0 0	76 3 0
418M ...	Mermaid ...		...	40 0 0	21 9 0
182M ...	Midlothian ...		...	12 0 0	11 2 0
34M, 54M	Monarch Leases ...		...	...	...
155M, 314M, 320M	...	Morning Star Quartz Crushing Co.	...	10361 0 0	2725 15 12
60M, 64M, 319M, 399M	...	Mt. Magnet G.M. Co., Ltd....	...	1693 0 0	1118 13 0
425M ...	Murchison Boulder ...		...	12 0 0	1 17 9
7M, 65M, 92M, 136M, 148M, 171M, 206M, 213M, 257M, 301M, 313M, 315M, 316M, 324M, 355M, 356M	...	Murchison New Chum Gold Mines, Ltd.	...	949 0 0	2477 2 5
347M ...	National ...		...	...	...
26M ...	New Chum South Extd. ...		...	101 0 0	7 13 0
371M ...	New Moon ...		...	256 0 0	184 2 0
292M ...	New Year's Gift ...		...	...	...
391M ...	Nil Desperandum ...		...	...	...
66M ...	{ Occidental ... }		...	...	...
40M ...	{ Occidental Extended }		...	57 10 0	100 13 0
160M ...	O.K. ...		...	11 6 0	45 0 0
45M ...	Pearl of Ben Rose ...		...	...	...
65M ...	Planet ...		...	122 0 0	53 3 0
	P.A. No. 56 ...		...	28 0 0	29 0 0
	P.A. No. 61 ...		...	9 0 0	32 2 0
339M ...	Primrose ...		...	81 0 0	38 10 0
	Quartz Claim No. 32M ...		...	8 0 0	7 16 12
	" " No. 33M ...		...	...	...
	" " No. 8M ...		...	12 10 0	10 14 0
	" " No. 12M ...		5 10 0	23 0 0	19 13 0
	" " No. 81M (Mercury)		...	22 0 0	57 4 0
394M ...	Queenslander ...		...	98 0 0	50 13 0
412M ...	Rosella ...		...	13 0 0	14 0 0
35M ...	Rock of Ages ...		...	...	...
307M ...	Rock of Cashel ...		...	...	...
426M ...	Rose, Shamrock, and Thistle ...		...	57 0 0	16 17 0
278M ...	Royal Surprise ...		...	24 0 0	3 0 11
406M ...	Sampey's Hidden Secret Secret ...		2 17 0	...	...
	South Pearl ...		23 1 8	1 0 0	10 3 12
2M ...	St. Alban's ...		...	45 0 0	56 4 0
359M ...	St. Alban's South ...		...	105 0 0	90 16 0
384M ...	Star of the West ...		17 0 0	61 0 0	245 6 0
336M ...	Splendour ...		...	36 5 0	70 0 0
421M ...	Surprise ...		38 7 0	...	...
413M ...	Tarquin ...		...	...	...
63M ...	Three Star ...		...	40 10 0	275 9 16
332M ...	Venus ...		...	29 0 0	130 0 0
408M (127M)	Vicquery Piedmont ...		...	2016 0 0	1123 1 0
80M ...	Viking ...		...	20 15 0	25 11 12
431M ...	Victoria ...		...	22 0 0	10 1 0
374M ...	Wah Wah ...		...	65 0 0	70 12 0
262M ...	Waratah ...		...	112 10 0	60 1 12
101M ...	Waringee ...		...	25 0 0	14 5 0
341M ...	Welcome ...		190 10 0	330 0 0	354 19 0
57M ...	Welcome News ...		...	31 0 0	6 17 0
395M ...	Wellington ...		...	18 0 0	28 2 0
353M ...	Wheel of Fortune North ...		...	189 0 0	786 8 0
103M ...	Wheel of Fortune N. Extd. ...		...	...	...
109M ...	Wheel of Fortune S. Block ...		...	81 10 0	243 7 12
151M ...	White Rose No. 1 North ...		...	51 0 0	5 13 0
29M ...	Windsor Castle ...		2 1 0	4 14 0	13 17 0
340M ...	Wrayfield ...		...	59 15 0	58 7 0
334M ...	{ Yuletide ... }		...	...	...
198M ...	{ Yuletide North }		...	103 10 0	87 9 12
23M ...	Public crushings		{	91 2 0	94 17 18
			{
				519 7 4	22842 7 0
					17329 10 23

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1894.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dolled and Specimens.	Ore treated.	Gold therefrom.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
9 8 0	1242 0 0	2124 19 17	203 7 20	4589 7 0	5194 11 22		
...	...	...	...	81 0 0	43 2 0	0 10 15	4 0 0
45 3 0	12 0 0	45 15 0	45 3 0	28 0 0	64 7 17	2 5 23	4 0 0
...	...	...	...	258 0 0	371 14 0	1 8 19	4 1 0
...	...	...	...	33 0 0	33 15 0	1 0 10	4 2 6
...	...	...	11 8 0	2 0 0	19 4 0	9 12 0	
...	75 0 0	61 16 3	...	290 0 0	236 5 15	0 16 7	
...	...	...	...	49 18 0	103 2 0	2 1 5	4 0 0
...	153 0 0	206 16 0	...	355 5 0	456 19 0	1 5 17	
...	...	...	29 13 0	20 0 0	92 0 20	4 12 1	4 2 8
...	...	...	...	41 0 0	36 17 0	0 17 23	3 17 6
...	...	...	...	73 0 0	190 11 0	2 12 4	4 0 0
...	35 0 0	19 5 0	...	146 0 0	55 12 18	0 7 14	4 0 10
...	...	...	...	79 0 0	17 0 0	0 4 7	
...	...	...	5 0 0	...	...	...	3 17 6
...	...	...	...	107 0 0	132 4 12	1 4 17	3 17 6
...	...	...	...	610 0 0	766 3 12	1 5 2	
...	22 0 0	14 3 12	...	22 0 0	14 3 12	0 12 21	
...	106 0 0	211 16 12	...	174 0 0	287 19 12	1 13 2	3 19 9
...	...	...	...	40 0 0	21 9 0	0 10 17	3 17 6
...	...	...	...	12 0 0	11 2 0	0 18 12	3 17 6
...	298 0 0	180 10 0	...	298 0 0	180 10 0	0 12 2	
...	27355 0 0	16983 6 0	...	37716 0 0	19709 1 12	0 12 10	4 0 0
...	870 0 0	1001 14 0	...	2563 0 0	2120 7 0	0 16 14	3 18 6
...	...	...	...	12 0 0	1 17 9	0 3 2	3 17 6
...	6123 0 0	19569 13 0	...	7072 0 0	22046 15 5	3 2 8	4 1 0
...
...	11 0 0	5 3 0	...	11 0 0	5 3 0	0 9 8	
...	62 0 0	21 1 0	...	163 0 0	28 14 0	0 3 12	
...	...	...	...	256 0 0	184 2 0	0 14 9	3 14 10
...	20 0 0	20 12 0	...	20 0 0	20 12 0	1 0 14	
...
...	46 16 0	136 13 0	...	104 6 0	237 6 0	2 5 12	
38 0 0	31 0 0	95 0 0	38 0 0	42 6 0	140 0 0	3 6 4	4 0 6
...	66 0 0	33 5 0	...	66 0 0	33 5 0	0 10 1	
...	...	...	...	122 0 0	53 3 0	0 8 17	
...	...	...	...	28 0 0	29 0 0	1 0 17	
...	...	...	...	9 0 0	32 2 0	3 11 8	
...	54 0 0	50 9 0	...	135 0 0	88 19 0	0 13 4	4 0 0
...	...	...	...	8 0 0	7 16 12	0 19 13	
...	44 0 0	34 0 0	...	44 0 0	34 0 0	0 15 10	4 0 0
...	...	...	...	12 10 0	10 14 0	0 17 2	
...	...	...	5 10 0	23 0 0	19 13 0	0 17 2	3 17 0
...	...	...	...	22 0 0	57 4 0	2 16 13	
...	...	...	...	98 0 0	50 13 0	0 10 8	
...	...	...	...	13 0 0	14 0 0	1 1 12	
...	35 0 0	23 0 0	...	35 0 0	23 0 0	0 13 3	
...	24 0 0	8 11 0	...	24 0 0	8 11 0	0 7 3	
...	...	...	...	57 0 0	16 17 0	0 5 21	4 0 0
...	12 0 0	6 15 9	...	36 0 0	9 15 20	0 5 10	
...	...	...	2 17 0	...	...	...	...
...	...	...	23 1 8	1 0 0	10 3 12	...	...
...	11 0 0	12 9 0	...	11 0 0	12 9 0	1 2 15	
...	...	...	...	45 0 0	56 4 0	1 5 0	3 17 6
...	...	...	...	105 0 0	90 16 0	0 17 7	
18 0 0	16 0 0	2 11 0	35 0 0	77 0 0	247 17 0	3 4 9	3 17 0
...	...	...	...	36 5 0	70 0 0	1 18 14	3 16 6
...	...	...	38 7 0	...	...	...	...
...	50 0 0	25 0 0	...	50 0 0	25 0 0	0 10 0	
61 0 0	66 0 0	293 11 0	61 0 0	106 10 0	569 0 16	5 6 20	3 19 1
...	140 0 0	1360 0 0	...	169 0 0	1490 0 0	8 16 7	4 0 0
...	...	...	...	2016 0 0	1123 1 0	0 11 3	3 15 0
...	...	...	...	20 15 0	25 11 12	1 4 15	3 17 10
...	...	...	...	22 0 0	10 1 0	0 9 3	
...	104 0 0	160 19 12	...	169 0 0	231 11 12	1 7 9	3 18 6
...	...	...	...	112 10 0	60 1 12	0 10 16	3 18 6
...	...	...	...	25 0 0	14 5 0	0 11 9	4 0 0
2359 14 0	...	...	2550 4 0	330 0 0	354 19 0	1 1 12	3 19 0
...	...	...	...	31 0 0	6 17 0	0 4 10	3 10 0
6 0 0	...	...	6 0 0	18 0 0	28 2 0	1 11 5	
...	90 0 0	140 0 0	...	279 0 0	926 8 0	3 6 9	3 19 6
...	34 0 0	57 15 0	...	34 0 0	57 15 0	1 13 23	
...	...	...	...	81 10 0	243 7 12	2 19 17	3 18 3
...	...	...	...	51 0 0	5 13 0	0 2 5	
...	...	...	2 1 0	4 14 0	13 17 0	2 18 22	4 0 0
...	55 0 0	74 13 0	...	114 15 0	133 0 0	1 3 4	3 16 6
...
...	121 0 0	69 16 0	...	224 10 0	157 5 12	0 14 0	3 17 5
...	...	...	...	91 2 0	94 17 18	1 0 19	
...	817 0 0	1838 0 0	...	817 0 0	1838 0 0	2 4 23	
2537 5 0	38200 16 0	44887 18 17	3056 12 4	61043 3 0	62217 9 16	1 0 9	

Yalgoo

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
316	Adelaide ... ..	...	...	...
199	Carlisle ... ..	...	...	...
383	Crescent ... ..	...	...	...
26, 27, 228, 230 129, 189, 196 ... ..	...	Dollar Gold Mines, Ltd. Emerald Reward G.M. Co., Ltd.	...	40 0 0	37 3 0
57	Empire	Empire G.M. Co. ... ..	...	...	...
379 ... ..	...	Enterprise G.M. Co. ... ..	...	...	...
114, 115	Merrie England	Field's Find Gold Mines, Ltd.	...	...	...
388	Gladstone ... ..	...	...	...	...
192	Glasgow	Woodley's Reward Gold Mines, Ltd.	...	...	...
421	Golden Standard ... ..	...	...	...	...
253	Golden Stream ... ..	...	...	...	...
5	Byrne's Reward	} Gullewa Gold Mines, Ltd. {	...	609 10 0	881 2 0
6, 7, 34, 53, 54 17	Gullewa Queen ... ..		...	...	...
76, 95, 146, 211, 235 ... ..	...	} Joker (Yalgoo) Gold Mines, Ltd. {	...	...	...
212	King of Spades ... ..		...	...	...
75	Miner's Right ... ..		...	...	...
59	Lady Elizabeth ... ..		...	...	...
229 (421A)	May Queen ... ..	...	...	...	...
170, 171, 174 ... ..	...	Monarch G.M. Syndicate ... ..	...	...	...
41	Mystery ... ..	...	...	...	...
159	Nyngan ... ..	...	...	...	...
78	Protection Area ... ..	...	...	...	...
261	Quartz Claim 24 ... ..	...	...	...	...
409	Queen of Yalgoo ... ..	...	...	51 0 0	45 8 0
73	Royal Standard ... ..	...	...	...	...
231	Shannandor ... ..	...	...	...	...
406	Victorian United	W.A. Venture Syndicate, Ltd. } Yalgoo Proprietary Gold } Mines, Ltd.	...	38 0 0	29 0 0
9, 85, 233, 382	Small parcels crushed at Public Battery Small parcels crushed at Victorian United	...	...	...	...
			738 10 0	992 13 0	

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
316	Adelaide ... ..	...	...	...
199	Carlisle ... ..	...	...	...
383	Crescent ... ..	...	...	...
26, 27, 228, 230 129, 189, 196 ... ..	...	Dollar Gold Mines, Limited Emerald Reward G.M. Co., Ltd.	...	60 0 0	53 17 12
57	Empire	Empire G.M. Co. ... ..	...	...	...
379 ... ..	...	Enterprise G.M. Co. ... ..	...	...	...
114, 115	Merrie England	Field's Find Gold Mines, Ltd.	...	500 0 0	390 0 0
388	Gladstone ... ..	...	...	...	...
192	Glasgow	Woodley's Reward Gold Mines, Limited	...	600 0 0	198 11 3
421	Golden Standard ... ..	...	...	5 0 0	4 4 12
253	Golden Stream ... ..	...	...	10 0 0	3 12 0
5	Byrne's Reward	} Gullewa Gold Mines, Ltd. {	...	527 0 0	263 12 0
6, 7, 34, 53, 54 17	Gullewa Queen ... ..		...	1384 10 0	1550 7 0
76, 95, 146, 211, 235 ... ..	...	} Joker (Yalgoo) Gold Mines, Ltd. {	...	240 0 0	88 9 0
212	King of Spades ... ..		...	...	...
75	Miner's Right ... ..		...	...	...
59	Lady Elizabeth ... ..		...	...	...
229 (421A)	May Queen ... ..	...	...	230 0 0	48 5 0
170, 171, 174 ... ..	...	Monarch G.M. Syndicate ... ..	...	12 0 0	9 12 0
41	Mystery ... ..	...	...	33 0 0	14 8 0
159	Nyngan ... ..	...	...	...	...
78	Protection Area ... ..	...	...	18 0 0	26 6 0
261	Quartz Claim 24 ... ..	...	...	20 0 0	15 10 0
409	Queen of Yalgoo ... ..	...	...	...	...
73	Royal Standard ... ..	...	...	228 0 0	192 11 12
231	Shannandor ... ..	...	...	60 0 0	90 14 0
406	Victorian United	W.A. Venture Syndicate, Ltd. } Yalgoo Proprietary Gold } Mines, Ltd.	...	...	...
9, 85, 233, 382	Small parcels crushed at public battery Small parcels crushed at Victorian United	...	...	310 0 0	221 2 0
			132 0 0	108 3 6	
			55 0 0	19 14 0	
			4424 10 0	3298 18 21	

Ore Treated, etc.—continued.

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...
...
...	...	...	...	...	...	...	20 0 0	16 14 12
...
...	...	...	...	...	...	...	500 0 0	390 0 0
...	...	...	...	...	...	...	600 0 0	198 11 3
...	...	...	...	5 0 0	4 4 12	...	...	...
...	10 0 0	3 12 0	...	...	...	...	...	...
...	775 0 0	669 5 0	...	527 0 0	263 12 0	...	...	...
...	...	...	...	...	...	...	240 0 0	88 9 0
...
...
...	164 0 0	29 0 0	...	40 0 0	10 0 0	...	26 0 0	9 5 0
...	12 0 0	9 12 0	...	...	...	...	...	...
...	...	...	...	10 0 0	1 0 0	...	23 0 0	13 8 0
...	...	...	...	...	...	...	18 0 0	26 6 0
...	...	...	...	...	...	...	20 0 0	15 10 0
...	...	...	...	...	...	...	69 0 0	68 9 0
...	21 0 0	11 11 0	...	87 0 0	67 3 12	...	...	...
...	40 0 0	54 14 0	...	20 0 0	36 0 0	...	...	...
...
...	94 0 0	79 3 6	...	310 0 0	221 2 0	...	...	...
...
...	...	...	...	55 0 0	19 14 0	...	...	...
...
...	1116 0 0	856 17 6	...	1054 0 0	622 16 0	...	1516 0 0	826 12 15

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
...	10 0 0	2 0 15	...	10 0 0	2 0 15	0 4 1	
...	45 0 0	21 13 0	...	45 0 0	21 13 0	0 9 14	
...	12 0 0	4 16 0	...	12 0 0	4 16 0	0 8 0	
...	0 9 11 3/8	1 2 17	...	0 9 11 3/8	1 2 17	...	4 0 0
...	2294 0 0	6982 3 0	...	2354 0 0	6986 0 12	2 19 8	3 17 6
...	10 0 0	10 0 0	...	10 0 0	10 0 0	1 0 0	
...	39 10 0	15 10 0	...	39 10 0	15 10 0	0 7 20	
...	16 0 0	16 7 0	...	500 0 0	390 0 0	0 15 14	3 14 0
...	...	...	...	16 0 0	16 7 0	1 0 10	4 0 0
...	...	...	...	600 0 0	198 11 3	0 6 14	
...	...	...	...	5 0 0	4 4 12	0 16 21	3 17 6
...	...	...	...	10 0 0	3 12 0	0 7 4	3 17 6
...	...	...	...	527 0 0	263 12 0	0 10 0	3 16 0
...	1275 0 0	1883 9 0	...	2659 10 0	3433 16 0	1 5 19	
...	120 0 0	80 3 0	...	360 0 0	168 12 0	0 9 8	
...	490 0 0	204 0 6	...	490 0 0	204 0 6	0 8 7	
...	64 0 0	17 10 4	...	64 0 0	17 10 4	0 5 11	
...	64 0 0	5 10 0	...	64 0 0	5 10 0	0 1 17	
...	68 0 0	29 0 0	...	298 0 0	77 5 0	0 5 4	3 10 0
...	141 0 0	129 6 0	...	12 0 0	9 12 0	0 16 0	4 0 0
...	1 0 0	7 0 0	...	174 0 0	143 14 0	0 16 15	3 10 0
...	...	...	...	1 0 0	7 0 0	...	
...	6 0 0	6 0 0	...	18 0 0	26 6 0	1 9 5	3 10 0
...	100 0 0	102 4 0	...	20 0 0	15 10 0	0 15 12	3 18 6
...	765 0 0	491 1 3	...	6 0 0	6 0 0	1 0 0	
...	25 0 0	5 0 0	...	328 0 0	294 15 12	0 17 23	3 17 6
...	609 0 0	719 0 0	...	60 0 0	90 14 0	1 10 5	3 15 6
...	...	...	...	765 0 0	491 1 3	0 12 20	
...	...	...	...	310 0 0	221 2 0	0 14 6	
...	...	...	...	157 0 0	113 3 6	0 14 9	
...	...	...	...	609 0 0	719 0 0	1 3 14	
...	...	...	...	55 0 0	19 14 0	0 7 3	
...	6154 19 11 3/8	10682 15 21	...	10579 9 11 3/8	13981 14 18	1 6 10	

Mount Margaret

MOUNT MALCOLM

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
388c	Alicia ... ..	...	...	...	...
52c	White Kauri ... ..	...	...	162 0 0	81 10 0
53c	Missing Link	Arrow Brown Hill G.M. Co., Ltd.	...	...	...
514c	Endeavour ... ..	...	...	...	...
125c ... ..	... ..	Australian United G.M. Co., Ltd.	...	659 0 0	1394 2 19
563c	Bendigo New Chum ... ..	...	...	...	...
127c	Black Chief ... ..	...	...	...	...
201c	Black Chief Extended	Sir Holled Smith G.M. Co., N.L.	...	...	...
535c	Blue Gown ... ..	...	...	...	...
474c	Blue Jacket ... ..	...	...	...	...
88c	Bohemian ... ..	...	...	...	...
368c	Bow Bells ... ..	...	...	...	...
458c	Bung Eye ... ..	...	...	8 0 0	14 1 12
197c	Calcutta ... ..	...	...	10 0 0	11 17 0
438c	Chicago East ... ..	...	...	...	...
465c	Clarence ... ..	...	...	...	...
522c	Comet ... ..	...	...	...	...
406c	Deerah ... ..	...	...	10 0 0	70 0 0
403c	Derby ... ..	...	...	...	...
18c	Diorite King	Diorite King G.Ms. of W.A., Ltd.	...	145 0 0	135 0 3
212c	Dover Castle ... ..	...	...	...	...
227c	East Lynne ... ..	...	...	* 1 0 4	...
449c	English and Scottish ... ..	...	...	18 0 0	36 11 0
75c	Federal No. 1 ... ..	...	...	...	...
452c	Flying Pig ... ..	...	...	...	...
210c	Forest ... ..	...	...	...	...
462c	Glen Lyon ... ..	...	...	3 0 0	9 10 0
533c	Golden King ... ..	...	...	...	...
142c, 164c	... ..	Golden Prince G.M. Co., N.L.	...	124 0 0	43 2 4
33c	Golden Prize ... ..	...	...	...	...
355c	Golden Sunset ... ..	...	...	38 0 0	152 0 0
568c	Great Barrington ... ..	...	...	...	...
256c	Great Surprise ... ..	...	...	...	...
459c	Gwalia Bach ... ..	...	...	...	...
591c	Imperial Extended ... ..	...	...	...	...
541c	Imperial Reward ... ..	...	...	...	...
335c	King of the Hills ... ..	...	...	† 278 0 0	...
342c	King of the Hills North ... ..	...	...	...	...
418c	King of the Hills No. 1 Consolidated ... ..	...	...	...	...
435c	Kilkenny Queen ... ..	...	...	...	...
78c	Keep it Dark ... ..	...	...	...	...
581c	Lady Ivy ... ..	...	...	5 0 0	11 5 0
503c	Lady Lena ... ..	...	...	...	...
240c	Leonidas ... ..	...	...	...	...
195c	Leonora Gold Blocks ... ..	...	...	100 0 0	605 10 13
429c	Luckenough ... ..	...	...	6 0 0	12 10 0
576c	Malcolm Belle ... ..	...	...	...	...
147c	Malcolm Mohr	Malcolm Mohr G.M. Co., N.L.	...	...	...
291c	Middlesex	Middlesex G.Ms., W.A., Ltd.	...	...	...
547c	Moynalty ... ..	...	...	...	...
11c	Juliet	Mount Malcolm Proprietary } G.M. Co., Ltd. }	...	1201 0 0	1281 11 0
36c ... ..	...	...	...	...	...
441c	Mount Stirling ... ..	...	...	...	...
488c	Myall King ... ..	...	...	12 0 0	17 2 5
2c, 3c	... ..	...	...	...	...
26c ... ..	... ..	North Star G.Ms., Limited	...	603 10 0	675 5 4
582c	Northern Champion ... ..	...	...	...	...
598c	Oakdale ... ..	...	...	...	...
584c	Oaklands ... ..	...	...	10 0 0	6 10 0
534c	Pig and Whistle ... ..	...	...	...	...
259c	Possible ... ..	...	...	20 0 0	41 5 3
385c	Pride of the North ... ..	...	...	...	...
15c	Princess Alix No. 2 S.	Princess Alix G.Ms., Ltd.	...	...	...
548c	Primrose Day ... ..	...	...	...	...
364c	Queen Mary ... ..	...	...	...	...
10c	Quartz Claim ... ..	...	...	...	...
10c	Protection Area ... ..	...	...	...	...
13c	Protection Area ... ..	...	...	...	...
15c	Protection Area ... ..	...	...	...	...
455c	Rajah ... ..	...	...	13 0 0	13 1 19
	Carried forward ... ..	...	...	279 0 4	3147 10 0
					4611 15 10

* Dollied.

† Specimens.

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...
...	40 0 0	30 0 0	...	35 0 0	11 10 0	...	...	...
...	...	...	...	34 0 0	14 0 0	...	245 0 0	170 16 0
...	...	...	...	13 0 0	10 0 0	...	12 0 0	6 0 0
...	837 0 0	1688 16 12	...	617 0 0	1425 11 16	...	492 0 0	1068 10 0
...	...	...	...	26 0 0	37 0 0	...	...	...
...
...	64 0 0	36 13 0	...	103 0 0	69 15 0	...	44 0 0	27 10 0
...	15 0 0	39 9 0	...	41 0 0	89 15 0	...	17 10 0	29 19 0
...
...
...	15 0 0	12 0 0	...	...	...	...	...	...
...	4 0 0	5 13 0	...	...	...	...	...	...
...	...	...	...	...	...	...	12 15 0	9 6 0
...	...	...	...	32 10 0	57 9 19	...	...	...
...	10 0 0	40 0 0	...	20 0 0	62 12 0	...	...	...
...
...	53 0 2	530 17 0	...	61 0 0	115 15 22	...	27 0 0	49 16 0
...	...	...	...	57 0 0	105 10 0	...	62 0 0	54 4 12
...	20 0 0	74 13 0	...	20 0 0	105 18 18	...	10 0 0	24 17 12
...	14 0 0	38 0 0	...	...	...	...	...	...
...	...	...	...	90 0 0	152 6 17	...	...	...
...	...	...	...	100 0 0	297 15 12	...	110 0 0	288 15 0
...	10 0 0	19 10 12	...	9 0 0	23 12 0	...	...	...
...	4 16 0	8 10 20	...	...	...	...	...	...
...
...	17 0 0	21 19 8	...	...	...	...	...	...
...	...	...	...	98 0 0	142 15 20	...	50 0 0	37 18 14
...	...	...	...	...	...	...	19 0 0	8 13 0
...	...	...	...	...	...	...	20 0 0	31 3 5
...	...	...	...	...	...	...	10 0 0	9 5 22
...	...	...	...	...	...	...	9 0 0	3 15 0
...	...	...	...	106 0 0	479 12 0	...	150 0 0	351 10 0
...	...	...	...	...	...	...	1 0 0	116 11 0
...
...
...	47 0 0	164 0 0	...	50 0 0	163 0 0	...	97 0 0	324 0 0
...	16 0 0	29 10 0	...	...	...	...	8 0 0	7 18 0
...	...	...	...	295 0 0	831 0 0	...	174 0 0	680 8 0
...	...	...	...	...	...	...	54 0 0	52 4 0
...	52 0 0	45 18 15	...	163 10 0	138 11 8	...	158 0 0	78 8 7
...	148 0 0	158 0 0	...	30 0 0	38 4 0	...	475 0 0	277 0 0
...
...	2240 0 0	1595 10 12	...	1638 0 0	1358 10 17	...	1784 0 0	2478 3 0
...	...	...	...	82 0 0	261 0 0	...	...	...
...
...	356 10 0	328 1 14	...	...	...	...	184 0 0	193 14 0
...	...	...	...	...	...	...	5 0 0	7 13 0
...	8 0 0	4 6 0	...	...	...	...	5 0 0	5 0 0
...	36 0 0	43 2 0	...	...	...	...	...	...
...	...	...	...	...	...	...	6 0 0	144 4 20
...	...	...	...	87 0 0	121 0 0	...	353 0 0	334 4 0
...	24 0 0	31 18 6	...	...	...	...	13 0 0	31 11 0
...
...	...	...	...	12 0 0	24 17 13	...	25 0 0	27 12 7
...	...	...	...	15 0 0	7 0 0	...	...	...
...	...	...	...	7 0 0	9 10 0	...	...	...
...
...	4931 6 0	4946 9 3	...	3845 0 0	6153 13 18	...	4632 5 0	6930 11 3

Mount Margaret

MOUNT MALCOLM

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.								
			Dollied and Specimens.		Ore treated.		Gold therefrom.				
			ozs.	dwt.	grs.	tons	cwts.	grs.	ozs.	dwt.	grs.
	Brought forward ...		279	0	4	3147	10	0	4611	15	10
511c	Randwick					23	0	0	46	0	0
23c	Regent										
12c	Richmond Gem	Richmond Gem G.M. Co., N.L.				232	0	0	272	1	17
443c	Rose of Tralee										
526c	Sons of Australia										
190c, 207c		Sons of Gwalia, Limited				3210	0	0	3956	19	6
596c	South Star										
146c	Sunday										
433c	Terrible Blow										
545c	Thelma										
263c	Trump										
172c	Umpire										
58c	Victorian					60	0	0	223	0	0
24c	Vice Regent										
556c	Waimata										
65c	Webster's Synd. No. 1	Webster's Find, Limited									
66c	Webster's Synd. No. 2										
115c	Webster's South...						119	0	0	69	8	4
617c	Whispering Hope										
486c	White Chief					32	0	0	30	10	0
305c	Wonder					† 58	10	12			
467c	Worcester										
306c	Young Australian										
			337	10	16	6823	10	0	9209	14	13
	Alluvial		186	13	18						

MOUNT MALCOLM

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.								
			Dollied and Specimens.		Ore treated.		Gold therefrom.				
			ozs.	dwt.	grs.	tons	cwts.	grs.	ozs.	dwt.	grs.
388c	Alicia										
52c	White Kauri	Arrow Brown Hill G.M. Co., Ltd.				541	0	0	323	16	0
53c	Missing Lauri										
514c	Endeavour										
125c		Australian United G.M. Co., Ltd.				2605	0	0	5577	0	23
563c	Bendigo New Chum					26	0	0	37	0	0
127c	Black Chief										
201c	Black Chief Extended	Sir Holled Smith G.M. Co., Ltd.									
535c	Blue Gown					211	0	0	133	18	0
474c	Blue Jacket					73	10	0	159	3	0
88c	Bohemian										
368c	Bow Bells										
458c	Bung Eye					8	0	0	14	1	12
197c	Calcutta					25	0	0	23	17	0
438c	Chicago East					4	0	0	5	13	0
465c	Clarence					12	15	0	9	6	0
522c	Comet					32	10	0	57	9	19
406c	Deerah					40	0	0	172	12	0
403c	Derby										
18c	Diorite King	Diorite King G.Ms. of W.A., Ltd.				289	0	2	831	9	1
212c	Dover Castle					119	0	0	159	14	12
227c	East Lynne		1	0	4	50	0	0	205	9	6
449c	English and Scottish					32	0	0	74	11	0
75c	Federal No. 1										
452c	Flying Pig					90	0	0	152	6	17
210c	Forest					210	0	0	586	10	12
462c	Glen Lyon					22	0	0	52	12	12
533c	Golden King					4	16	0	8	10	20
142c, 164c		Golden Prince G.M. Co., N.L.				124	0	0	43	2	4
33c	Golden Prize					17	0	0	21	19	8
355c	Golden Sunset					186	0	0	332	14	10
568c	Great Barrington					19	0	0	8	13	0
256c	Great Surprise					20	0	0	31	3	5
459c	Gwalia Bach					10	0	0	9	5	22
591c	Imperial Extended					9	0	0	3	15	0
541c	Imperial Reward					256	0	0	831	2	0
335c	King of the Hills		278	0	0	1	0	0	116	11	0
342c	King of the Hills North										
418c	King of the Hills No. 1 Consolidated										
	Carried forward ...		279	0	4	5037	11	2	9983	7	15

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	4031 6 0	4946 9 3	...	3845 0 0	6153 13 18	...	4632 5 0	6930 11 3
...	58 0 0	52 0 0	...	10 0 0	16 5 0	...	...	...
...	28 0 0	37 10 0	...	...	...	...	...	...
...	178 0 0	164 16 0	...	262 0 0	357 6 6	...	407 0 0	490 1 8
...
...	...	...	...	21 0 0	57 11 0	...	22 10 0	24 12 0
...	2910 0 0	3343 16 1	...	4195 0 0	4305 7 0	...	4180 0 0	4210 11 12
...	...	...	...	...	...	...	74 0 0	69 10 0
...
...	...	...	...	...	...	...	17 0 0	31 16 17
...	...	...	...	292 17 0	321 9 0	...	180 2 0	426 17 12
...	...	...	...	13 0 0	65 0 0	...	...	...
...
...	72 0 0	101 19 7	...	...	...	...	...	...
...	...	...	...	...	...	...	15 0 0	7 9 11
...
...	86 0 0	82 7 4	...	634 0 0	337 6 8	...	176 0 0	72 8 18
...	...	...	...	...	...	...	21 0 0	16 18 10
...
...
...	11 4 0	15 6 0	...	15 0 0	16 4 0	...	...	...
...
...	7374 10 2	8744 3 15	...	9287 17 0	11630 2 8	...	9724 17 0	12280 16 19
143 11 9	...	...	344 19 19	...	...	...	...	...

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	20 0 0	40 7 12	...	20 0 0	40 7 12	2 0 9	3 13 6
...	319 0 0	294 0 0	...	860 0 0	617 16 0	0 14 9	3 10 0
...	363 0 0	1199 0 0	...	2968 0 0	6776 0 23	2 5 15	3 13 7
...	...	...	...	26 0 0	37 0 0	1 8 11	...
...	8 8 0	14 11 15	...	8 8 0	14 11 15	1 14 17	...
...	9 0 0	10 5 0	...	9 0 0	10 5 0	1 2 18	3 12 6
...	...	...	...	211 0 0	133 18 0	0 12 16	3 12 9
...	...	...	...	73 10 0	159 3 0	2 3 7	3 12 9
...	5 0 0	11 8 0	...	5 0 0	11 8 0	2 5 14	3 14 6
...	24 0 0	52 8 0	...	24 0 0	52 8 0	2 3 16	...
60 0 0	5 0 0	16 3 0	60 0 0	13 0 0	30 4 12	2 6 12	3 17 10
...	...	...	...	25 0 0	23 17 0	0 19 1	3 10 0
...	14 0 0	45 13 0	...	18 0 0	51 6 0	2 17 0	...
...	...	...	...	12 15 0	9 6 0	0 14 14	...
...	...	...	...	32 10 0	57 9 19	1 15 9	...
...	...	...	...	40 0 0	172 12 0	4 6 7	4 2 9
...	20 0 0	20 5 12	...	20 0 0	20 5 12	1 0 6	...
...	325 4 0	950 5 16	...	614 4 2	1781 14 17	2 18 0	3 13 0
...	40 0 0	49 3 10	...	159 0 0	208 17 22	1 6 7	...
...	10 0 3	63 6 4	1 0 4	60 0 3	268 15 10	4 9 14	3 17 6
...	...	...	...	32 0 0	74 11 0	2 6 14	3 10 0
...	7 0 0	10 6 0	...	7 0 0	10 6 0	1 9 10	3 12 6
...	41 1 2	243 4 5	...	131 1 2	395 10 22	3 0 9	...
66 5 0	20 0 0	284 1 0	66 5 0	230 0 0	870 11 12	3 15 17	3 17 0
...	15 0 0	40 17 0	...	37 0 0	93 9 12	2 10 12	3 13 0
...	...	...	...	4 16 0	8 10 20	1 15 14	3 10 0
...	180 0 0	111 14 15	...	304 0 0	154 16 19	0 10 5	3 15 0
...	...	...	...	17 0 0	21 19 8	1 5 20	3 15 0
...	0 1 0	1 7 0	...	186 1 0	334 1 10	1 15 22	3 12 6
...	...	...	...	19 0 0	8 13 0	0 9 2	...
...	10 0 0	16 6 0	...	30 0 0	47 9 5	1 11 15	...
...	30 0 0	50 2 0	...	40 0 0	59 7 22	1 9 16	3 15 0
...	...	...	...	9 0 0	3 15 0	0 8 8	...
...	...	...	...	256 0 0	831 2 0	3 4 22	...
...	0 5 0	56 17 12	278 0 0	1 5 0	173 8 12	...	3 12 6
77 0 0	9 10 0	11 0 0	77 0 0	9 10 0	11 0 0	1 3 3	...
...	30 0 0	38 17 0	...	30 0 0	38 17 0	1 5 21	3 10 0
203 5 0	1505 10 1	3631 9 5	482 5 4	6543 1 3	13614 16 20	...	...

TABLE NO. II.—Return of

Mount Margaret

MOUNT MALCOLM

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
	Brought forward ...	...	279 0 4	5037 11 2	9983 7 15
435c ...	Kilkenny Queen...	...	...	...	...
78c ...	Keep it Dark ...	...	...	...	...
581c ...	Lady Ivy ...	...	...	199 0 0	662 5 0
508c ...	Lady Lena ...	...	...	24 0 0	37 8 0
240c ...	Leonidas ...	...	...	...	...
195c ...	Leonora Gold Blocks	...	...	569 0 0	2116 18 13
429c ...	Luckenough ...	...	...	6 0 0	12 10 0
576c ...	Malcolm Belle ...	...	...	54 0 0	52 4 0
147c ...	Malcolm Mohr ...	Malcolm Mohr G.M. Co., N.L.	...	373 10 0	262 18 6
291c ...	Middlesex...	Middlesex G.Ms., W.A., Ltd.	...	178 0 0	196 4 0
547c ...	Moynalty...	...	...	475 0 0	277 0 0
11c ...	Juliet ...	Mount Malcolm Proprietary G.M. Co., Ltd.	...	6863 0 0	6713 15 5
36c ...			...
441c ...	Mount Stirling ...	...	...	82 0 0	261 0 0
488c ...	Myall King ...	...	...	12 0 0	17 2 5
2c, 3c ...	...	North Star G.Ms., Limited }	...	1144 0 0	1197 0 18
26c ...			...
582c ...	Northern Champion	...	...	5 0 0	7 13 0
598c ...	Oakdale ...	...	...	5 0 0	5 0 0
282c ...	Oaklands ...	...	...	18 0 0	10 16 0
534c ...	Pig and Whistle...	...	...	36 0 0	43 2 0
259c ...	Possible ...	...	...	26 0 0	185 9 23
385c ...	Pride of the North	...	...	...	...
15c ...	Princess Alix No. 2 S.	Princess Alix G.Ms., Ltd.	...	440 0 0	455 4 0
548c ...	Primrose Day ...	...	...	13 0 0	31 11 0
364c ...	Queen Mary ...	...	...	24 0 0	31 18 6
10c ...	Quartz Claim ...	...	...	25 0 0	27 12 7
1 c ...	Protection Area ...	...	...	12 0 0	24 17 13
13c ...	Protection Area ...	...	...	15 0 0	7 0 0
15c ...	Protection Area ...	...	...	7 0 0	9 10 0
455c ...	Rajah ...	...	...	13 0 0	13 1 19
511c ...	Randwick ...	...	...	91 0 0	114 5 0
23c ...	Regent ...	...	...	28 0 0	37.10 0
12c ...	Richmond Gem ...	Richmond Gem G.M. Co., N.L.	...	1079 0 0	1284 5 7
443c ...	Rose of Tralee ...	...	...	...	...
526c ...	Sons of Australia	...	...	43 10 0	82 3 0
190c, 207c ...	Sons of Australia	Sons of Gwalia, Ltd.	...	14495 0 0	15816 13 19
596c ...	South Star ...	...	...	74 0 0	69 10 0
146c ...	Sunday ...	...	...	...	...
433c ...	Terrible Blow	...	...	...	...
545c ...	Thelma ...	...	...	17 0 0	31 16 17
263c ...	Trump ...	...	...	472 19 0	748 6 12
172c ...	Umpire ...	...	...	13 0 0	65 0 0
58c ...	Victorian...	...	...	60 0 0	223 0 0
24c ...	Vice Regent	...	...	72 0 0	101 19 7
556c ...	Waimata ...	...	...	15 0 0	7 9 11
65c ...	Webster's Synd. No. 1	Webster's Find, Limited }	...	...	...
66c ...	Webster's Synd. No. 2		...	...	...
115c ...	Webster's South	...	...	1015 0 0	561 10 10
617c ...	Whispering Hope	...	...	21 0 0	16 18 10
486c ...	White Chief ...	...	...	32 0 0	30 10 0
305c ...	Wonder ...	...	...	58 10 12	...
467c ...	Worcester ...	...	...	...	...
306c ...	Young Australian	...	...	26 4 0	31 10 0
			337 10 16	33210 14 2	41864 17 7
	ALLUVIAL ...	...	675 4 22	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.							Mint Value of Gold per Oz. £ s. d.
Dolled and Specimens.	Ore treated.	Gold therefrom.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.				
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.			
203 5 0	1505 10 1	3631 9 5	482 5 4	6543 1 3	13614 16 20					
15 0 0	...	...	15 0 0						
...	15 0 0	442 8 0	...	15 0 0	442 8 0	...	...	3 17 0	
...	...	...	...	199 0 0	662 5 0	3 6 13	3 15 0		
...	...	...	...	24 0 0	37 8 0	1 11 4	3 18 0		
...	27 18 2	74 1 12	...	27 18 2	74 1 12	2 12 21	3 15 0			
...	154 0 0	847 0 0	...	723 0 0	2963 18 13	4 1 23	3 10 0			
...	...	...	...	6 0 0	12 10 0	2 1 16	3 17 6		
...	...	...	...	54 0 0	52 4 0	0 19 8	3 18 0		
...	...	...	...	373 10 0	262 18 6	0 14 2	3 13 0		
...	15 0 0	26 0 0	...	193 0 0	222 4 0	1 4 1	3 10 0			
...	...	...	...	475 0 0	277 0 0	0 11 16			
...	1012 0 0	1241 1 0	...	7875 0 0	7954 16 5	1 0 5	3 18 0			
...	10 0 0	43 0 0	...	92 0 0	304 0 0	3 6 2	3 12 6			
...	...	...	...	12 0 0	17 2 5	1 8 12			
...	3435 15 0	3494 2 12	...	4579 15 0	4691 3 6	1 0 11	3 16 6			
...	...	...	...	5 0 0	7 13 0	1 10 14			
...	...	...	...	5 0 0	5 0 0	1 0 0			
...	...	...	...	18 0 0	10 16 0	0 12 0	3 15 0		
...	...	...	...	36 0 0	43 2 0	1 3 22	3 18 4½		
1800 0 0	75 0 0	259 15 6	1800 0 0	101 0 0	445 5 5	4 8 4	3 17 10			
...	5 6 0	54 0 3	...	5 6 0	54 0 3	10 3 19				
...	...	...	...	440 0 0	455 4 0	1 0 17	3 17 6		
...	...	...	...	13 0 0	31 11 0	2 8 13			
...	7 0 0	14 0 0	...	31 0 0	45 18 6	1 9 15	3 12 6			
...	...	...	...	25 0 0	27 12 7	1 2 2	3 0 0		
...	...	...	...	12 0 0	24 17 13	2 1 11			
...	...	...	...	15 0 0	7 0 0	0 9 8			
...	...	...	...	7 0 0	9 10 0	1 7 3			
...	5 12 0	23 17 9	...	18 12 0	36 19 4	2 0 0	3 5 6			
...	...	...	...	91 0 0	114 5 0	1 5 3	4 0 0		
...	...	...	...	28 0 0	37 10 0	1 6 18	3 16 0		
...	...	...	...	1079 0 0	1284 5 7	1 2 8	3 14 0		
...	16 0 0	36 7 0	...	16 0 0	36 7 0	2 5 10				
...	...	...	...	43 10 0	82 3 0	1 17 18			
...	4692 0 0	6891 14 0	...	19187 0 0	22708 7 19	1 3 16	3 6 0			
...	...	...	...	74 0 0	69 10 0	0 18 19			
...	28 0 0	32 18 13	...	28 0 0	32 18 13	1 3 12	3 16 7			
...	16 0 0	38 5 0	...	16 0 0	38 5 0	2 7 19				
...	...	...	...	17 0 0	31 16 17	1 17 10			
...	8 4 0	1056 2 23	...	481 3 0	1804 9 11	3 15 0	3 10 8			
...	...	...	...	13 0 0	65 0 0	5 0 0	3 15 6		
...	31 0 0	90 6 0	...	91 0 0	313 6 0	3 8 20				
...	...	...	...	72 0 0	101 19 7	1 8 7			
...	...	...	...	15 0 0	7 9 11	0 9 23			
...	831 0 0	313 5 13	...	831 0 0	313 5 13	0 7 13				
...	131 0 0	47 18 0	...	1146 0 0	609 8 10	0 10 15				
...	...	...	...	21 0 0	16 18 10	0 16 3			
...	...	...	...	32 0 0	30 10 0	0 19 1			
...	8 15 0	4451 0 0	58 10 12	8 15 0	4451 0 0	...				
...	23 0 0	18 0 0	...	23 0 0	18 0 0	0 15 15				
...	12 14 0	29 15 1	...	38 18 0	61 5 1	1 11 11				
2018 5 0	12065 14 3	23156 7 1	2355 15 16	45276 9 1	65021 4 8	1 8 17				
588 16 20	...	...	1264 1 18						

TABLE NO. II.—Return of

Mount Margaret

MOUNT MARGARET

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.												
			Dolled and Specimens.		Ore treated.		Gold therefrom.								
			ozs.	dwt.	grs.	tons	cwts.	grs.	ozs.	dwt.	grs.				
171T	Aeltunga														
790T	Ajax														
593T	Alicia														
371T	Augusta														
725T	Baneygo North														
326T	Big Phoenix														
723T	British Admiral														
358T	British Flag														
761T	Childe Harold								4	5	0	2	4	0	
755T	Corona Broken Hill								10	0	0	16	0	0	
592T	Craggiemore														
754T	Crescent														
3T	Eagle Nest														
720T	Earlston North-West														
543T	Earlstone Proprietary								{	30	0	0	34	12	0
271T	Edinboro' Castle								{	20	0	0	25	10	0
453T	Enniskillen														
785T	Euro														
476T	Everleigh									0	19	0	36	16	0
762T	Gladys									10	10	0	13	6	0
732T	Golden Boulder									23	0	0	61	0	18
249T	Golden Cliffs														
660T	Golden Gordon									10	0	0	28	10	0
813T	Golden Pinnacle														
801T	Golden Ring														
563T	Great Britain														
726T	Idaho									8	0	0	25	10	0
797T	King of the Erlistoun														
793T	Kiora														
461T	Korong									20	0	0	30	10	0
610T	Leap Year														
771T	Little Doris														
35T	Mt. Margaret Reward														
475T	Mt. Barnicoat	Menzies Golden Rhines Gold Mines of W.A., Ltd.													
673T	Mt. Weld									49	0	0	27	0	0
760T	Nil Desperandum														
23T	Pride of Mt. Margaret	Pride of Mt. Margaret, Ltd.													
	Protection Area 14T														
	Protection Area 15T														
	Protection Area 17T														
	Protection Area 25T														
	Quartz Claim 6r														
779T	Quartz Hill														
478T	Queen of North Extended									20	0	0	58	10	0
38T	Redcastle No. 1w														
751T	Redcastle Reward														
688T	Rosie Lidington														
781T	Sailor Prince														
733T	Sydney Mint														
717T	Terlinga									15	0	0	17	0	0
321T	Westralia Mt. Morgan	Westralia Mt. Morgan Gold Mines, Ltd.								218	0	0	197	3	12
										438	14	0	573	12	6

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	...	...	...	5 0 0	4 16 14	...	...	...
...	...	...	...	52 0 0	44 6 0	...	...	...
...	...	...	...	24 15 0	33 13 0	...	...	...
...	144 0 0	486 18 6	...	...	...	...	247 10 0	681 6 0
...	...	...	...	14 0 0	14 0 0	...	...	...
...	10 0 0	32 10 0	...	50 0 0	95 2 0	...	...	...
...
...	38 0 0	141 6 0	...	25 0 0	31 5 0	...	...	...
...
...	...	...	...	...	...	...	20 0 0	33 0 0
...	50 0 0	45 0 0	...	155 0 0	142 12 0	...	...	...
...	...	...	*50 3 0	...	...	...	...	...
...
...	...	...	...	71 0 0	149 2 0	...	...	...
...
...	30 0 0	32 2 0	...	...	...	...	...	...
...	...	...	...	50 0 0	53 13 0	...	60 0 0	210 5 0
...	16 0 0	9 0 0	...	...	...	...	...	...
...	...	...	...	43 0 0	88 6 0	...	100 0 0	191 15 0
...
...	27 0 0	56 7 0	...	...	...	...	...	...
...
...	...	...	...	...	...	...	12 0 0	6 0 0
...	...	...	...	...	...	...	68 0 0	617 10 0
...	10 0 0	10 2 0	...	...	...	...	...	...
...	...	...	...	16 0 0	24 3 6	...	8 0 0	10 2 0
...	...	...	...	14 0 0	20 0 0	...	...	...
...	...	...	...	...	...	...	50 0 0	52 6 0
...	...	...	...	9 0 0	27 1 0	...	...	...
...	...	...	...	102 0 0	99 5 0	...	29 0 0	51 0 0
...	15 0 0	50 0 0	...	...	...	...	45 0 0	103 15 10
...	212 0 0	40 10 0	...	{ 56 0 0	22 8 0	...	60 0 0	42 0 0
...	...	...	...	} ...	pl. 110 10 0	...	50 0 0	41 13 0
...
...
...	...	...	...	40 0 0	31 8 8	...	50 0 0	23 0 0
...	...	...	...	10 0 0	7 0 0	...	...	...
...	...	...	...	20 0 0	18 15 9	...	...	...
...	...	...	...	10 0 0	7 10 0	...	...	...
...	...	...	...	...	...	...	23 0 0	25 10 0
...	...	...	...	10 0 0	5 0 0	...	...	...
...	...	...	...	86 0 0	135 13 0	...	32 0 0	35 10 0
...
...
...
...	...	...	...	...	...	...	67 0 0	145 10 0
...	...	...	...	18 0 0	34 0 0	...	...	...
...
...	499 0 0	550 14 6	...	575 0 0	716 17 8	...	434 0 0	575 8 11
...	1051 0 0	1454 9 12	50 3 0	1450 15 0	1916 6 21	...	1355 10 0	2845 10 21

* Dollied. pl. From Plates.

TABLE NO. II.—Return of

Mount Margaret

MOUNT MARGARET

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwt. grs.	ozs. dwts. grs.
171T	Aeltunga ... ..	...	...	5 0 0	4 16 14
790T	Ajax ... ..	...	...	52 0 0	44 6 0
593T	Alicia ... ..	...	...	24 15 0	33 13 0
371T	Augusta ... ..	...	...	391 10 0	1168 4 6
725T	Baneygo North ... ..	...	...	14 0 0	14 0 0
326T	Big Phoenix ... ..	...	...	60 0 0	127 12 0
723T	British Admiral ... ..	...	...	...	...
358T	British Flag ... ..	...	...	63 0 0	172 11 0
761T	Childe Harold ... ..	...	...	4 5 0	2 4 0
755T	Corona Broken Hill ... ..	...	...	30 0 0	49 0 0
592T	Craggiemore ... ..	...	...	205 0 0	187 12 0
754T	Crescent ... ..	...	...	50 3 0	...
3T	Eagle Nest ... ..	...	...	...	...
720T	Earlston North-West ... ..	...	...	71 0 0	149 2 0
543T	Earlstone Proprietary ... ..	...	...	80 0 0	92 4 0
271T	Edinboro' Castle ... ..	...	...	110 0 0	263 18 0
453T	Emmiskillen ... ..	...	...	16 0 0	9 0 0
785T	Euro ... ..	...	...	143 0 0	280 1 0
476T	Everleigh ... ..	...	...	0 19 0	36 16 0
762T	Gladys ... ..	...	...	37 10 0	69 13 0
732T	Golden Boulder ... ..	...	...	23 0 0	61 0 18
249T	Golden Cliffs ... ..	...	...	...	...
660T	Golden Gordon ... ..	...	...	10 0 0	28 10 0
813T	Golden Pinnacle ... ..	...	...	12 0 0	6 0 0
801T	Golden Ring ... ..	...	...	68 0 0	617 10 0
563T	Great Britain ... ..	...	...	10 0 0	10 2 0
726T	Idaho ... ..	...	...	32 0 0	59 15 6
797T	King of the Eurlistoun ... ..	...	...	14 0 0	20 0 0
793T	Kiora ... ..	...	...	50 0 0	52 6 0
461T	Korong ... ..	...	...	29 0 0	57 11 0
610T	Leap Year ... ..	...	...	131 0 0	150 5 0
771T	Little Doris ... ..	...	...	60 0 0	153 15 10
35T	Mt. Margaret Reward ... ..	...	...	328 0 0	215 8 0
475T	Mt. Barnicoat	Menzies Golden Rhine Gold Mines of W.A., Ltd.	...	50 0 0	41 13 0
673T	Mt. Weld ... ..	...	...	49 0 0	27 0 0
760T	Nil Desperandum ... ..	...	...	...	...
23T	Pride of Mt. Margaret	Pride of Mt. Margaret, Ltd.	...	90 0 0	54 8 8
	Protection Area 14r ... ..	...	...	10 0 0	7 0 0
	Protection Area 15r ... ..	...	...	20 0 0	18 15 9
	Protection Area 17r ... ..	...	...	10 0 0	7 10 0
	Protection Area 25r ... ..	...	...	23 0 0	25 10 0
	Quartz Claim Gr... ..	...	...	10 0 0	5 0 0
779r	Quartz Hill ... ..	...	...	118 0 0	171 3 0
478r	Queen of North Extended ... ..	...	...	20 0 0	58 10 0
38T	{ Redcastle No. 1w } ... ..	...	...	...	...
751T	{ Redcastle Reward } ... ..	...	...	...	...
688T	Rosie Lidington ... ..	...	...	...	...
781T	Sailor Prince ... ..	...	...	67 0 0	145 10 0
733T	Sydney Mint ... ..	...	...	13 0 0	34 0 0
717T	Terlinga ... ..	...	...	15 0 0	17 0 0
321T	Westralia Mt. Morgan	Westralia Mt. Morgan Gold Mines, Ltd.	...	1726 0 0	2010 3 13
				50 3 0	4295 19 0
					6789 19 12

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1893.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	4 0 0	4 16 0	...	9 0 0	9 12 14	1 1 9	
...	...	...	...	52 0 0	44 6 0	0 17 0	
...	8 15 0	12 16 16	...	33 10 0	46 9 16	1 7 18	
...	50 0 0	183 6 0	...	441 10 0	1351 10 6	3 1 5	4 0 0
...	...	...	...	14 0 0	14 0 0	1 0 0	
...	...	...	...	60 0 0	127 12 0	2 2 12	
...	10 0 0	20 4 0	...	10 0 0	20 4 0	2 0 9	
300 0 0	15 0 0	83 6 0	300 0 0	78 0 0	255 17 0	3 5 14	
...	...	...	...	4 5 0	2 4 0	0 10 8	
...	13 0 0	33 6 12	...	43 0 0	82 6 12	1 18 6	
...	10 0 0	14 5 2	...	215 0 0	201 17 2	0 18 18	
...	4 0 0	22 0 0	50 3 0	4 0 0	22 0 0	5 10 0	
...	100 0 0	5 0 0	...	100 0 0	5 0 0	0 1 0	
...	...	...	...	71 0 0	149 2 0	2 2 0	
...	...	...	...	80 0 0	92 4 0	1 3 1	
...	72 0 0	180 0 0	...	182 0 0	443 18 0	2 8 18	3 16 6
...	...	...	...	16 0 0	9 0 0	0 11 6	
...	...	...	...	143 0 0	280 1 0	1 19 4	4 0 0
...	...	...	...	0 19 0	36 16 0		
...	4 15 0	9 0 0	...	42 5 0	78 13 0	1 17 5	
...	...	...	...	23 0 0	61 0 18	2 13 1	
...	150 0 0	5 0 0	...	150 0 0	5 0 0	0 0 16	
...	...	...	...	10 0 0	28 10 0	2 17 0	
...	...	...	...	12 0 0	6 0 0	0 10 0	
...	...	...	...	68 0 0	617 10 0	9 1 14	3 15 0
...	...	...	...	10 0 0	10 2 0	1 0 4	
...	...	...	...	32 0 0	59 15 6	1 17 8	
...	...	...	...	14 0 0	20 0 0	1 8 13	
...	...	...	...	50 0 0	52 6 0	1 0 22	
...	10 0 0	63 16 6	...	39 0 0	121 7 6	3 2 5	
...	100 0 0	100 6 0	...	231 0 0	250 11 0	1 1 16	
...	...	...	...	60 0 0	153 15 10	2 11 6	
...	678 0 0	538 7 12	...	1006 0 0	753 15 12	0 14 23	
...	18 0 0	36 0 0	...	68 0 0	77 13 0	1 2 20	3 17 6
...	...	...	...	49 0 0	27 0 0	0 11 0	3 12 6
...	15 0 0	15 10 0	...	15 0 0	15 10 0	1 0 16	
...	...	...	...	90 0 0	54 8 8	0 12 2	3 15 0
...	...	...	...	10 0 0	7 0 0	0 14 0	
...	...	...	...	20 0 0	18 15 9	0 18 18	
...	...	...	...	10 0 0	7 10 0	0 15 0	
...	...	...	...	23 0 0	25 10 0	1 2 4	
...	...	...	...	10 0 0	5 0 0	0 10 0	
...	...	...	...	118 0 0	171 3 0	1 9 0	
...	40 0 0	94 0 0	...	60 0 0	152 10 0	2 10 20	3 17 6
...	4 10 0	9 15 0	...	4 10 0	9 15 0	2 3 8	
...	25 0 0	31 15 0	...	25 0 0	31 15 0	1 5 9	
...	...	...	...	67 0 0	145 10 0	2 3 10	3 12 6
...	...	...	...	13 0 0	34 0 0	2 12 7	
...	28 0 0	52 5 0	...	43 0 0	69 5 0	1 12 5	
...	4 0 0	6 0 0	...	1730 0 0	2046 3 13	1 3 15	
300 0 0	1364 0 0	1520 15 0	350 3 0	5659 19 0	8310 14 12	1 9 8	

TABLE NO. II.—Return of

North Coolgardie

MENZIES

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
3034z	Africander ... ..	...	...	...	...
4007z	Ancient Briton Extd. ... ..	...	...	...	...
4873z	Athelstane ... ..	...	...	...	...
4691z	Barunga Brave	Barunga Gold Mining and Prospecting Synd., Ltd.	...	...	...
4850z	Beehive ... ..	...	...	...	...
4879z	Black Jack ... ..	...	...	...	...
3459z	Breach of Promise P. A. Brighton (locally known as Lady Goldina)	...	...	...	...
4213z	Cicero ... ..	...	118 0 0	27 1 6	
2776z	Consuelo	Consuelo Gold Mines, Ltd.	...	...	...
4860z	Crown Cross ... ..	...	56 0 0	53 13 12	
4061z	Daisy Bell ... ..	...	...	...	...
4782z	Duke of York ... ..	...	...	...	...
4885z	Federal (late Q.C. 258) ... ..	...	...	...	...
2800z	Fetherstonhaugh (locally known as Ikey Mo)	...	...	...	...
2821z	Florence	Florence Gold Mines, Ltd.	20 0 0	39 15 0	
4858z	Four-Mile Blow ... ..	...	100 0 0	36 12 0	
4849z	Gem Extended ... ..	...	...	...	...
4855z	Goodenough ... ..	...	...	...	...
4861z	Golden Shoe ... ..	...	15 0 0	21 12 5	
3840z, 3841z, 2728z ... ..	...	Goongarrie Goldfields, Ltd.	...	...	...
4853z	Great Klondyke ... ..	...	...	...	...
2731z, 2732z, 2751z, 2756z, 3636z	...	Hick's Gold Mining Co., Ltd.	...	...	...
4878z	Jingellie ... ..	...	...	...	...
4886z	Just-in-time ... ..	...	...	...	...
4819z	Kensington Sunday Gift ... ..	...	...	...	...
3615z ... ..	...	Kensington Vindicator Gold Mining Co.	22 0 0	44 4 0	
3482z	Kurrajong ... ..	...	...	...	...
4802z	Lady Dorothy ... ..	...	...	...	...
4867z	Lady Isabel ... ..	...	...	...	...
3963z	Lady Main ... ..	...	...	...	...
3125z, 3126z ... ..	...	Lady Margaret Gold Mines, Ltd.	...	...	...
2730z, 2736z ... ..	...	Lady Montefiore United Gold Mines, Ltd.	...	...	...
3006z, 2820z ... ..	...	Lady Shenton Gold Mines, Ltd.	1452 0 0	4112 14 0	
3116z, 3118z ... ..	...	London and Coolgardie Ex- plorers, Ltd.	...	...	...
3059z, 3119z, 3120z ... ..	...	Maori Gold Mines, Ltd. ... ..	...	...	...
3744z, 3820z ... ..	...	McClay's Welcome Gold Min- ing Co., N.L.	7 0 0	8 0 0	
3011z, 3031z ... ..	...	Menzies Alpha Leases, Ltd.	88 0 0	518 15 12	
3024z, 3066z, 3103z, 3104z, 3113z, 3122z, 3123z, 3295z, 3335z, 3412z, 3413z, 4843z	...	Menzies Consolidated Gold Mines, Ltd.	1840 0 0	1597 9 0	
2823z, 3009z ... ..	...	Menzies Crusoe Gold Claims, Ltd.	463 0 0	350 17 0	
3036z ... ..	...	Menzies Gift Gold Mining Co., Ltd.	...	...	...
2830z ... ..	...	Menzies Golden Age Mine, Limited	...	...	...
3042z, 3046z, 3054z ... ..	...	Menzies Gold Estates, Ltd.	...	...	...
2824z, 2825z, 2842z, 3016z, 2841z	...	Menzies Gold Reefs Propri- etary, Ltd.	178 0 0	318 2 0	
3277z, 4457z, 4751z ... ..	...	Menzies Kensington Gold Mines, Ltd.	...	...	...
4750z ... ..	...	Menzies Kensington East Gold Mining Co. (N.L.)	...	...	...
3121z ... ..	...	Menzies Lady Mary Gold Mining Co., Ltd.	...	...	...
2835z ... ..	...	Menzies Lady Sherry Gold Mining Co. (N.L.)	147 0 0	217 7 0	
2843z, 2844z, 3100z, 3203z, 3269z, 2832z, 3098z	...	Menzies Mining and Explora- tion Corporation, Ltd.	...	...	...
2822z	Lady Harriet	Menzies Pioneers, Ltd.	...	...	...
3345z	Menzies United ... ..	...	...	...	...
	Carried forward ... ..	...	4506 0 0	8884 13 11	

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	...	...	...	...	...	...	20 0 0	41 15 0
...	26 0 0	24 3 6	...	...	...	...	...	...
...	...	...	...	100 0 0	63 11 12	...	262 0 0	141 5 0
...	...	...	...	...	...	...	18 0 0	13 1 15
...	8 0 0	3 3 18	...	...	...	...	...	...
...	...	...	...	...	...	...	50 0 0	110 3 12
...
...	27 0 0	9 0 0	...	...	...	...	...	...
...	...	...	...	125 0 0	97 13 0	...	42 0 0	52 0 0
...	...	...	...	23 0 0	24 17 0	...	...	...
...	...	...	...	20 0 0	20 12 0	...	24 0 0	39 3 0
...	65 0 0	45 10 0	...	...	...	...	100 0 0	84 0 0
...	...	pl 131 0 0	...	...	...	...	...	...
...	52 0 0	24 10 0	...	...	...	...	...	...
...	...	...	...	77 10 0	165 4 0	...	90 0 0	180 0 0
...	9 0 0	13 4 0	...	20 0 0	24 17 18	...	...	...
...	...	...	...	1100 0 0	557 16 0	...	595 0 0	305 18 0
...
...	...	...	...	12 0 0	6 19 0	...	30 0 0	26 10 0
...	...	...	...	...	...	...	24 0 0	13 19 20
...	...	...	...	4 0 0	8 16 0	...	...	...
...
...	74 0 0	70 18 0	...	...	...	...	...	...
...
...	131 0 0	88 0 12	...	...	...	...	...	...
...	1826 0 0	5301 7 0	...	2400 0 0	6429 11 0	...	1650 0 0	4350 19 0
...	...	...	...	...	con ¹ 102 16 21	...	...	con ¹ 265 14 0
...	...	...	...	37 0 0	68 14 0	...	73 0 0	cy ¹ 2502 18 0
...	...	...	...	...	...	...	...	114 14 0
...	10 0 0	6 16 6	...	...	...	...	...	cy ² 55 0 0
...	44 0 0	228 13 0	...	81 0 0	207 18 0	...	50 0 0	100 0 0
...	...	...	...	...	con ² 5 3 20	...	...	...
...	1669 0 0	1937 11 0	...	1948 0 0	cy ¹ 624 16 6	...	1512 0 0	1163 9 0
...	...	...	...	...	1593 19 0	...	...	...
...	287 0 0	343 8 0	...	521 0 0	605 10 0	...	1016 0 0	644 17 0
...	...	cy ¹ 995 13 0	...	...	¶ 441 7 4	...	...	...
...	50 0 0	14 16 6	...	...	cy ² 370 9 0	...	...	...
...
...	178 0 0	196 15 0	...	40 0 0	94 2 0	...	31 0 0	22 5 13
...	...	cy ² 730 16 0	...	...	¶ 415 6 12	...	105 0 0	117 10 0
...	...	...	...	...	cy ³ 1102 18 0	...	...	cy ³ 401 8 0
...	...	...	...	63 0 0	33 0 0	...	264 0 0	207 1 1½
...	...	...	...	10 0 0	6 1 0	...	...	cy ⁴ 15 0 0
...
...	180 0 0	140 1 0	...	122 0 0	88 0 0	...	...	...
...	530 10 0	568 16 18	...	356 15 0	363 2 12	...	433 0 0	390 3 17
...	...	cy ³ 103 6 0	...	...	cy ⁴ 88 7 18	...	...	con ² 2 18 0
...	...	...	...	12 0 0	3 10 0	...	...	cy ⁵ 66 18 14
...	...	...	...	...	cy ⁵ 32 4 0	...	...	...
...	5166 10 0	10977 8 18	...	7072 5 0	13647 3 3	...	6389 0 0	11428 12 6

pl Plates.

¶ Extras.

TABLE No. II.—Return of

North Coolgardie

MENZIES

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Brought forward ...			4506 0 0	8884 13 11
4797z ...	Golden Calf ...	Mimosa Gold Mines, Ltd. ...		...	...
2733z, 2734z, 2759z, 2760z, 2779z, 2785z	...	Ninety - Mile Proprietary Gold Mines, Ltd.		66 0 0	43 4 14
2763z ...	...	Ninety-Mile Goongarrie Con- solidated Gold Mines, Ltd.		...	...
4877z ...	Ourine ...	...		...	...
4890z ...	Picton Valley (late Q.C. 267)	...		...	...
2836z ...	...	Queensland Menzies Gold Mining Co., N.L.		707 0 0	2769 18 0 pl. 129 17 0
4859z ...	Resurrection ...	...		...	...
3050z ...	Shirkin ...	...		...	...
4803z ...	St. Albans ...	...		...	...
4847z ...	Star of Goongarrie ...	...		...	...
4871z ...	Three Brothers ...	...		...	...
4889z ...	Union Jack (late Maori)	...		...	...
3335z, 3398z ...	...	Wallaroo Menzies G.M. Co.		...	...
3048z ...	Warrior ...	Warrior Menzies G.M. Co....		...	...
3205z ...	Nick of Time ...	W.A. Development Synd., Ltd.		...	...
	Crushed for other claims at Ninety-Mile Prop. Sundry crushings from various claims	...		...	...
		Total ...		5279 0 0	11827 13 1

pl. Plates.

1ST QUARTER {
cy¹ From 800 tons.
cy² From 1000 "

MENZIES

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
3034z ...	Africander ...	...		20 0 0	41 15 0
4007z ...	Ancient Briton Extended	...		26 0 0	24 3 6
4873z ...	Athelstane ...	...		362 0 0	204 16 12
4691z ...	Barunga Brave ...	Barunga Gold Mining and Prospecting Synd., Ltd.		18 0 0	13 1 15
4850z ...	Beehive ...	...		8 0 0	3 3 18
4879z ...	Black Jack ...	...		50 0 0	110 3 12
3459z ...	Breach of Promise P.A. Brighton (locally known as Lady Goldina)	...		...	...
4213z ...	Cicero ...	...		145 0 0	36 1 6
2776z ...	Consuelo ...	Consuelo Gold Mines, Ltd.		...	...
4860z ...	Crown Cross ...	...		223 0 0	203 6 12
4061z ...	Daisy Bell ...	...		23 0 0	24 17 0
4782z ...	Duke of York ...	...		...	...
4885z ...	Federal (late Q.C. 258)...	...		44 0 0	59 15 0
2809z ...	Fetherstonhaugh (locally known as Ikey Mo)	...		...	...
2821z ...	Florence ...	Florence Gold Mines, Ltd....		185 0 0	504 5 0
4858z ...	Four-Mile Blow ...	...		100 0 0	36 12 0
4849z ...	Gem Extended ...	...		52 0 0	24 10 0
4855z ...	Goodenough ...	...		167 10 0	345 4 0
4861z ...	Golden Shoe ...	...		44 0 0	59 13 23
3840z, 3841z, 2728z ...	...	Goongarrie Goldfields, Ltd.		1695 0 0	863 14 0
4853z ...	Great Klondyke ...	...		...	...
2731z, 2732z, 2751z, 2756z, 3636z	...	Hick's Gold Mining Co., Ltd.		...	...
4878z ...	Jingellie ...	...		42 0 0	33 9 0
4886z ...	Just-in-Time ...	...		24 0 0	13 19 20
4819z ...	Kensington Sunday Gift	...		...	...
3615z ...	...	Kensington Vindicator Gold Mining Company		26 0 0	53 0 0
	Carried forward ...	...		3254 10 0	2655 11 4

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	5166 10 0	10977 8 18	...	7072 5 0	13647 3 3	...	6389 0 0	11428 12 6
...	...	...	...	90 0 0	12 5 0	...	130 10 0	31 2 0
...	56 0 0	30 6 18	...	...	...	...	...	...
...	222 0 0	35 1 12	...	112 0 0	36 18 12	...	...	...
...	...	...	...	30 0 0	26 10 14	...	...	...
...	...	...	...	...	...	...	10 0 0	21 9 0
...	...	...	...	...	...	...	...	con ³ 3 4 0
...	457 0 0	1251 19 0	...	665 0 0	2366 10 0	...	600 0 0	cy ⁶ 0 7 3
...	...	pl 132 0 0	...	...	...	...	...	1599 10 0
...	41 10 0	20 15 0	...	...	...	...	...	...
...	...	...	...	17 0 0	48 12 0	...	52 0 0	174 8 0
...	...	...	...	6 0 0	40 10 15	...	10 0 0	35 4 6
...
...	57 0 0	46 12 0	...	...	...	...	80 0 0	129 19 0
...
...
...	50 0 0	67 4 0	...	100 0 0	111 17 0	...	50 0 0	38 15 0
...	...	...	...	...	con ³ 2 3 8	...	...	con ⁴ 3 11 0
...	...	...	...	...	cy ⁶ 10 18 16	...	...	...
...
...	...	...	...	45 0 0	61 13 0	...	73 15 0	95 19 9
...	...	...	...	...	...	...	...	con ⁵ 1 19 0
...	6050 0 0	12561 7 0	...	8137 5 0	16365 1 20	...	7395 5 0	13564 0 0

2ND QUARTER { cy¹ From 2,160 tons. cy² " 1,155 " cy³ " 360 " } 3RD QUARTER { cy¹ From 461 tons. cy² " 760 " cy³ " 1,737 " cy⁴ " 320 " cy⁵ " 220 " cy⁶ " 41 " } 4TH QUARTER { cy¹ From 2,600 tons. cy² " 37 tons 18 cwt. cy³ " 790 " cy⁴ (not stated) cy⁵ " 440 tons. cy⁶ " 4 tons 10 cwt. } con¹ From 66 tons. con² " 10 cwt. con³ " 1 ton. con⁴ " 1 ton 10 cwt con⁵ " 6 tons.

pl. Plates

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	...	...	...	20 0 0	41 15 0	2 1 18	
...	...	...	...	26 0 0	24 3 6	0 18 14	
...	...	...	...	362 0 0	204 16 12	0 11 7	3 11 3
...	5 0 0	9 4 18	...	23 0 0	22 6 9	0 19 9	3 17 10
...	...	...	...	8 0 0	3 3 18	0 7 23	
...	...	...	...	50 0 0	110 3 12	2 4 1	
...	18 0 0	10 15 8	...	18 0 0	10 15 8	0 11 23	
...	20 0 0	10 12 16	...	20 0 0	10 12 16	0 10 15	
...	...	...	...	145 0 0	36 1 6	0 4 23	
...	6 0 0	4 5 0	...	6 0 0	4 5 0	0 14 4	
...	11 0 0	11 4 0	...	234 0 0	214 10 12	0 18 8	3 12 0
...	49 0 0	56 5 0	...	72 0 0	81 2 0	1 2 12	3 16 0
...	10 0 0	11 10 0	...	10 0 0	11 10 0	1 3 0	
...	...	...	...	44 0 0	59 15 0	1 7 3	
...	68 0 0	109 0 0	...	68 0 0	109 0 0	1 12 2	
...	300 0 0	706 0 0	...	485 0 0	1210 5 0	2 9 21	3 14 0
...	...	...	...	100 0 0	36 12 0	0 7 7	
...	52 0 0	28 0 0	...	104 0 0	52 10 0	0 10 2	
...	125 0 0	124 11 0	...	292 10 0	469 15 0	1 12 2	3 5 0
...	...	...	...	44 0 0	59 13 23	1 7 3	
...	1900 0 0	1018 0 0	...	3595 0 0	1881 14 0	0 10 11	3 15 0
...	16 16 0	44 2 0	...	16 16 0	44 2 0	2 12 12	
...	946 0 0	1028 4 12	...	946 0 0	1028 4 12	1 1 17	
...	...	...	...	42 0 0	33 9 0	0 15 22	
...	...	...	...	24 0 0	13 19 20	0 11 15	
...	26 0 0	33 4 0	...	26 0 0	33 4 0	1 5 12	
...	...	...	...	26 0 0	53 0 0	2 0 18	
...	3552 16 0	3204 18 6	...	6807 6 0	5860 9 10		

TABLE No. II.—Return of

North Coolgardie

MENZIES

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Brought forward ...	...	...	3254 10 0	2655 11 4
3482z ...	Kurrajong ...	...	...	...	...
4802z ...	Lady Dorothy ...	...	...	...	...
4867z ...	Lady Isabel ...	...	...	74 0 0	70 18 0
3963z ...	Lady Main ...	...	...	...	...
3125z, 3126z ...	...	Lady Margaret Gold Mines, Limited	...	...	...
2730z, 2736z ...	...	Lady Montefiore United Gold Mines, Limited	...	131 0 0	88 0 12
3006z, 2820z ...	...	Lady Shenton Gold Mines, Limited	...	7328 0 0	23065 19 21
3116z, 3118z ...	...	London and Coolgardie Ex- plorers, Limited	...	110 0 0	238 8 0
3059z, 3119z, 3120z ...	...	Maori Gold Mines, Limited	...	...	...
3744z, 3820z ...	...	McClay's Welcome Gold Mining Co., N.L.	...	17 0 0	14 16 6
3011z, 3031z ...	...	Menzies Alpha Leases, Ltd.	...	263 0 0	1685 6 14
3024z, 3066z, 3103z, 3104z, 3113z, 3122z, 3123z, 3295z, 3335z, 3412z, 3413z, 4843z	...	Menzies Consolidated Gold Mines, Limited	...	6969 0 0	6292 8 0
2823z, 3009z ...	...	Menzies Crusoe Gold Claims, Limited	...	2287 0 0	4351 16 4
3036z ...	...	Menzies Gift Gold Mining Company, Limited	...	50 0 0	14 16 6
2830z ...	...	Menzies Golden Age Mine, Ltd.	...	...	...
3042z, 3046z, 3054z ...	...	Menzies Gold Estates, Ltd.	...	31 0 0	22 5 13
2824z, 2825z, 2842z, 3016z, 2841z	...	Menzies Gold Reefs Propri- etary, Ltd.	...	501 0 0	4111 13 12
3277z, 4457z, 4751z ...	...	Menzies Kensington Gold Mines, Ltd.	...	327 0 0	255 1 11
4750z ...	...	Menzies Kensington East Gold Mining Co., N.L.	...	10 0 0	6 1 0
3121z ...	...	Menzies Lady Mary Gold Mining Co., Ltd.	...	...	...
2835z ...	...	Menzies Lady Sherry Gold Mining Co., N.L.	...	449 0 0	445 8 0
2843z, 2844z, 3100z, 3203z, 3269z, 2832z, 3098z	...	Menzies Mining and Explor- ation Corporation, Ltd.	...	1320 5 0	1583 13 7
2822z ...	Lady Harriet ...	Menzies Pioneers, Ltd.	...	...	32 4 0
3345z ...	Menzies United ...	...	...	12 0 0	3 10 0
4797z ...	Golden Calf ...	Mimosa Gold Mines, Ltd.	...	220 10 0	43 7 0
2733z, 2734z, 2759z, 2760z, 2779z, 2785z	...	Ninety - Mile Proprietary Gold Mines, Ltd.	...	122 0 0	73 11 8
2763z ...	...	Ninety-Mile Goongarrie Con- solidated Gold Mines, Ltd.	...	334 0 0	72 0 0
4877z ...	Ourine ...	...	...	30 0 0	26 10 14
4890z ...	Picton Valley (late Q.C. 267)	...	...	10 0 0	25 0 3
2836z ...	...	Queensland Menzies Gold Mining Co., N.L.	...	2429 0 0	8249 14 0
4859z ...	Resurrection ...	...	...	41 10 0	20 15 0
3050z ...	Shirkin ...	...	...	69 0 0	223 0 0
4803z ...	St. Albans ...	...	...	16 0 0	75 14 21
4847z ...	Star of Goongarrie ...	...	...	...	...
4871z ...	Three Brothers ...	...	...	57 0 0	46 12 0
4889z ...	Union Jack (late Maori)	...	...	80 0 0	129 19 0
3335z, 3398z ...	...	Wallaroo Menzies G.M. Co.	...	...	...
3048z ...	Warrior ...	Warrior Menzies G.M. Co.	...	200 0 0	234 9 0
3205z ...	Nick of Time ...	W.A. Development Synd., Ltd.	...	...	...
	Crushed for other claims at Ninety-Mile Prop. Sundry crushings from various claims	...	...	118 15 0	159 11 9
	Total ...	...	...	26861 10 0	54318 1 21

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	3552 16 0	3204 18 6	...	6807 6 0	5860 9 10		
...	5 0 0	11 0 0	...	5 0 0	11 0 0	2 4 0	
...	0 13 0	19 0 0	...	0 13 0	19 0 0		
...	...	...	...	74 0 0	70 18 0	0 19 3	
...	95 0 0	134 10 0	...	95 0 0	134 10 0	1 8 7	
...	72 18 0	53 3 0	...	72 18 0	53 3 0	0 14 13	3 12 9
...	10 0 0	600 0 0	...	141 0 0	688 0 12	4 17 14	
...	6581 0 0	24240 12 3	...	13909 0 0	47306 12 0	3 8 0	3 14 0
...	...	...	...	110 0 0	238 8 0	2 3 8	3 18 0
...	571 0 0	775 9 6	...	571 0 0	775 9 6	1 7 3	
...	65 0 0	43 0 7	...	82 0 0	57 16 13	0 14 2	
...	480 0 0	1745 2 15	...	743 0 0	3430 9 5	4 12 8	3 12 2
...	6525 0 0	6119 9 16	...	13494 0 0	12411 17 16	0 18 9	3 17 0
...	7443 0 0	13254 13 17	...	9730 0 0	17606 9 21	1 16 4	
...	...	...	...	50 0 0	14 16 6	0 5 22	
...	252 10 0	1231 17 18	...	252 10 0	1231 17 18	4 17 14	3 5 0
...	400 0 0	156 13 13	...	431 0 0	178 19 2	0 8 7	3 11 3
...	4803 0 0	7019 2 6	...	5304 0 0	11130 15 18	2 1 23	3 6 10
...	466 0 0	488 5 18	...	793 0 0	743 7 5	0 18 18	3 12 6
...	...	...	...	10 0 0	6 1 0	0 12 2	3 13 0
...	14 0 0	1 9 0	...	14 0 0	1 9 0	0 2 1	
...	299 0 0	576 17 0	...	748 0 0	1022 5 0	1 7 7	
...	1251 14 0	1110 13 10	...	2571 19 0	2694 6 17	1 0 23	
...	613 0 0	823 2 1	...	613 0 0	855 6 1	1 7 21	3 15 0
...	...	...	...	12 0 0	3 10 0	0 5 20	3 18 0
...	...	...	...	220 10 0	43 7 0	0 3 22	3 18 5
...	2772 0 0	1695 8 12	...	2894 0 0	1768 19 20	0 12 5	
...	5 0 0	5 0 0	...	339 0 0	77 0 0	0 4 13	3 16 0
...	...	...	...	30 0 0	26 10 14	0 17 16	
...	...	...	...	10 0 0	25 0 3	2 10 0	
...	4072 0 0	16138 13 0	...	6501 0 0	24388 7 0	3 15 0	3 11 0
...	5 0 0	6 3 12	...	46 10 0	26 18 12	0 11 13	
...	...	...	...	69 0 0	223 0 0	3 4 15	3 14 0
...	...	...	...	16 0 0	75 14 21	4 14 16	3 15 0
...	14 0 0	24 0 0	...	14 0 0	24 0 0	1 14 6	
...	...	...	...	57 0 0	46 12 0	0 16 8	
...	...	...	...	80 0 0	129 19 0	1 12 11	3 10 0
...	12 0 0	2 17 20	...	12 0 0	2 17 20	0 4 19	
...	...	...	...	200 0 0	234 9 0	1 3 10	3 7 0
...	177 10 0	135 2 8	...	177 10 0	135 2 8	0 15 5	
...	102 0 0	77 0 0	...	102 0 0	77 0 0	0 15 2	
...	...	...	...	118 15 0	159 11 9	1 6 20	3 15 0
...	40660 1 0	79693 4 20	...	67521 11 0	134011 6 17	1 19 16	

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...
...	9 0 0	16 17 20	...	10 0 0	30 0 12	...	...	...
...	...	...	...	...	...	* 3 6 2	7 10 0	{ 16 9 18 cy ¹ 8 1 6
...	8 0 0	17 15 0	...	...	...	...	...	...
...	27 1 0	53 0 0	...	45 0 0	69 0 0	...	10 0 0	{ 47 0 0 86 8 0 cy ² 35 10 0
...	19 0 0	19 19 0	...	...	...	...	47 0 0	...
...	...	...	...	...	...	...	4 0 0	14 11 0
...	...	...	...	...	...	...	8 0 0	12 6 0
...	...	...	...	...	...	...	2 0 0	{ 9 18 12 cy ¹ 2 1 16
...	...	...	* 4 0 0	...	...	...	...	...
...	...	...	...	50 0 0	66 10 0	...	...	...
...
...	...	...	...	...	...	* 186 0 0	...	...
...	...	...	...	...	...	* 2 4 18	...	...
...	...	...	* 46 7 12	...	...	...	54 0 0	34 0 0
...	211 10 0	543 6 21	...	61 10 0	157 13 3	...	141 15 3 ⁵ / ₈	530 5 15
...	...	...	...	...	...	...	71 0 0	{ 238 8 0 cy ³ 7 16 0
...	10 0 0	50 18 17	...	20 0 0	106 9 0	...	50 0 0	141 5 0
...	...	...	...	8 0 0	10 1 0	...	21 10 0	76 5 6
...	...	...	...	...	...	...	4 10 0	12 13 5
...	...	...	...	...	...	...	25 3 0	84 18 0
...	...	...	...	...	...	...	5 10 0	9 12 0
...	...	...	...	...	...	...	15 0 0	7 10 0
...	...	...	...	...	...	...	16 5 0	50 10 0
...	...	...	...	...	...	...	5 0 0	5 19 0
...	...	...	...	11 0 0	23 13 0	...	28 15 0	{ 45 2 0 cy ⁴ 7 19 6
...	...	...	...	23 10 0	41 0 0	...	50 0 0	{ 110 13 0 cy ² 4 10 0
...	...	...	...	17 8 0	48 7 0	...	...	...
...
...	284 11 0	701 17 10	50 7 12	246 8 0	552 13 15	191 10 20	566 18 3 ⁵ / ₈	1599 12 12

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	25 0 0	66 18 0	...	25 0 0	66 18 0	2 13 12	...
...	...	...	...	19 0 0	46 18 8	2 9 9	3 17 6
...	...	...	3 6 2	7 10 0	24 11 0	3 5 11	...
...	6 16 0	9 5 0	...	8 0 0	17 15 0	2 4 9	3 5 0
...	...	...	...	16 16 0	56 5 0	3 6 23	3 19 0
...	...	...	...	119 1 0	243 18 0	2 0 23	3 9 7
...	...	...	...	19 0 0	19 19 0	1 1 0	...
...	...	...	...	4 0 0	14 11 0	3 12 18	3 11 6
...	...	...	...	8 0 0	12 6 0	1 10 18	...
...	26 0 0	42 16 15	...	26 0 0	42 16 15	1 12 22	...
...	...	...	...	2 0 0	12 0 4	6 0 2	...
64 19 12	75 10 0	152 19 10	77 11 12	125 10 0	219 9 10	1 14 23	3 19 0
...	1 0 0	20 5 0	...	1 0 0	20 5 0	...	...
...	...	...	186 0 0	18 0 0	33 14 12	1 17 10	3 17 9
...	...	...	2 4 18	...	...	...	3 11 0
...	17 14 0	196 6 2	46 7 12	71 14 0	230 6 2	3 4 5	3 17 6
...	2 0 0	6 14 0	...	2 0 0	6 14 0	3 7 0	...
...	...	...	...	743 9 3 ⁵ / ₈	2207 12 12	2 19 9	4 0 1
...	73 0 0	121 1 12	...	144 0 0	367 5 12	2 11 0	3 14 0
...	10 0 0	44 9 0	...	60 0 0	185 14 0	3 1 21	3 9 0
...	...	...	...	51 10 0	233 12 23	4 10 17	3 10 0
...	...	...	...	8 0 0	10 1 0	1 5 3	...
...	...	...	...	4 10 0	12 13 5	2 16 6	...
...	...	...	...	25 3 0	84 18 0	3 7 12	3 13 6
...	25 0 0	30 0 0	...	25 0 0	30 0 0	1 4 0	3 15 0
...	...	...	...	5 10 0	9 12 0	1 14 21	3 10 0
...	...	...	...	15 0 0	7 10 0	0 10 0	...
...	...	...	...	16 5 0	50 10 0	3 2 3	...
...	...	...	...	5 0 0	5 19 0	1 3 19	3 11 0
...	5 0 0	10 15 0	...	5 0 0	10 15 0	2 3 0	...
...	...	...	...	39 15 0	76 14 6	1 18 14	3 17 10
...	...	...	...	73 10 0	156 3 0	2 2 11	3 12 6
...	...	...	...	17 8 0	48 7 0	2 15 13	...
39 0 0	...	...	39 0 0	...	...	...	...
103 19 12	267 0 0	701 9 15	354 9 20	1711 11 3 ⁵ / ₈	4565 14 13	2 13 8	...

* Dollied. cy¹ From 2 tons of tailings. cy² From 32 tons of tailings. cy³ From 13 tons of tailings. cy⁴, cy⁵, cy⁶ Tonnage not stated.

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
74U	Albury ... ..	...	...	...	...
243U (4693z)	Anastasia... ..	...	...	...	...
363U	Big Buck ... ..	...	...	...	...
17U	Boudie's Nest ... ..	...	...	...	...
162U	British Lion ... ..	...	...	...	...
335U	Buninyong ... ..	...	...	...	...
330U	Chamberlain ... ..	...	...	...	...
348U	Cuba ... ..	...	...	...	...
377U	Fairy Queen ... ..	...	...	...	...
315U	Gold Standard ... ..	...	...	...	...
350U	Golden Lode ... ..	...	...	...	...
298U	Golden Vale ... ..	...	* 8 12 0	...	...
95U (4006z)	Golden Wonder	The Monarch G.M.Co. (N.L.)	...	...	...
285U	Lady Dorothy ... ..	...	...	...	...
235U	Lady Gladys ... ..	...	...	18 0 0	33 14 12
290U	Lady Gladys' Junction... ..	...	...	...	...
86U	Lady Kate ... ..	...	...	...	...
252U (4722z)	Mt. Egan's Big Gun ... ..	...	...	...	...
9U	Malwarie ... ..	...	...	328 14 0	976 6 21
8U	Mt. Higgin's Property ... ..	...	...	...	...
308U	Oakley ... ..	...	...	...	...
338U	Off Chance ... ..	...	...	...	...
248U	Quartz Claim ... ..	...	...	...	...
255U	Quartz Claim ... ..	...	...	...	...
89U	Redleap	London and Coolgardie Ex- plorers, Ltd.	...	...	...
123U	Riverina ... ..	...	...	...	...
359U	Riverina No. 1 North ... ..	...	...	...	...
324U	Riverina South ... ..	...	...	...	...
366U	Roseleaf ... ..	...	...	...	...
357U	Rose and Shamrock ... ..	...	...	...	...
192U	Snowdrop... ..	...	...	...	...
1U	Shamrock... ..	...	...	...	...
50U	Flora ... ..	...	...	...	...
40U	Gentle Lizzie	Ularring Westralia Gold Mining Co., Ltd.	{	...	...
(3720z)	Welcome Stranger ... ..	...	...	...	...
		Total	8 12 0	346 14 0	1010 1 9

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
74U	Albury ... ..	...	...	...	...
243U (4693z)	Anastasia... ..	...	...	...	...
363U	Big Buck ... ..	...	3 6 2	19 0 0	46 18 8
17U	Boudie's Nest ... ..	...	...	7 10 0	24 11 0
162U	British Lion ... ..	...	...	8 0 0	17 15 0
335U	Buninyong ... ..	...	...	10 0 0	47 0 0
330U	Chamberlain ... ..	...	...	119 1 0	243 18 0
348U	Cuba ... ..	...	...	19 0 0	19 19 0
377U	Fairy Queen ... ..	...	...	4 0 0	14 11 0
315U	Gold Standard ... ..	...	...	8 0 0	12 6 0
350U	Golden Lode ... ..	...	...	...	...
298U	Golden Vale ... ..	...	...	2 0 0	12 0 4
95U (4006z)	Golden Wonder	The Monarch Gold Mining Co. (N.L.)	12 12 0	50 0 0	66 10 0
285U	Lady Dorothy ... ..	...	...	...	...
235U	Lady Gladys ... ..	...	186 0 0	18 0 0	33 14 12
290U	Lady Gladys' Junction... ..	...	2 4 18	...	...
86U	Lady Kate ... ..	...	46 7 12	54 0 0	34 0 0
252U (4722z)	Mt. Egan's Big Gun ... ..	...	...	...	...
9U	Malwarie ... ..	...	...	743 9 3 ⁵ / ₈	2207 12 12
8U	Mt. Higgin's Property ... ..	...	...	71 0 0	246 4 0
308U	Oakley ... ..	...	...	50 0 0	141 5 0
338U	Off Chance ... ..	...	...	51 10 0	233 12 23
248U	Quartz Claim ... ..	...	...	8 0 0	10 1 0
255U	Quartz Claim ... ..	...	...	4 10 0	12 13 5
89U	Redleap	London and Coolgardie Ex- plorers, Ltd.	...	25 3 0	84 18 0
123U	Riverina ... ..	...	...	...	...
359U	Riverina No. 1 North ... ..	...	...	5 10 0	9 12 0
324U	Riverina South ... ..	...	...	15 0 0	7 10 0
366U	Roseleaf ... ..	...	...	16 5 0	50 10 0
357U	Rose and Shamrock ... ..	...	...	5 0 0	5 19 0
192U	Snowdrop... ..	...	...	...	...
1U	Shamrock... ..	...	...	39 15 0	76 14 6
50U	Flora	Ularring Westralia G.M.Co., Ltd.	{	73 10 0	156 3 0
40U	Gentle Lizzie ... ..	...	{	17 8 0	48 7 0
(3720z)	Welcome Stranger ... ..	...	...	...	...
		Total	250 10 8	1444 11 3 ⁵ / ₈	3864 4 22

TABLE NO. II.—Return of

North Coolgardie

NIAGARA

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
146G	Ballarat (late Trilby) ..	...	...	...	...
67G	Barrington ... ..	...	...	...	...
279G	Batavia ... ..	...	...	...	...
307G	Battler's Hope ... ..	...	...	...	...
277G	Belbedear ... ..	...	...	...	...
284G	Birmingham ... ..	...	...	...	...
286G	Blue Bell ... ..	...	...	...	...
38G ... ..	... ..	Blevin's Find G.M. Co. ...	...	1388 0 0	643 10 0
41G ... ..	... ..	Britannia G.Ms., Ltd. ...	...	...	...
320G	Champion ... ..	...	...	...	...
49G (3291z)	Commonwealth	Niagara Commonwealth Ex- ploration Co., Ltd. ...	...	...	...
26G ... ..	... ..	Cosmopolitan Proprietary, Ld.	...	...	...
273G	Day Dawn ... ..	...	...	...	...
260G	Desdemona ... ..	...	...	...	...
106G	Do. Extended ... ..	...	...	...	...
194G	Diamantina ... ..	...	...	...	...
291G	Dolly Darling ... ..	...	...	...	...
301G	Eureka ... ..	...	...	...	...
278G	Fortuna ... ..	...	...	...	...
17G	Gillmore ... ..	...	...	...	...
29G (3209z)	Gladstone ... ..	...	...	11 7 0	16 7 12
272G	Golden Hope ... ..	...	...	5 0 0	14 18 0
249G	Golden Treasure ... ..	...	...	30 0 0	55 1 12
223G, 224G, 225G, 226G	... ..	Hannan's Gold Estates, Ltd.	...	...	...
282G	Homeward Bound ... ..	...	...	...	...
85G (3619z)	Hoffman's ... ..	...	...	...	...
316G	John Bull ... ..	...	...	...	...
250G	Jubilee ... ..	...	...	...	...
313G	Kitchener ... ..	...	...	...	...
274G	Last Chance ... ..	...	...	...	...
314G	Lily ... ..	...	...	...	...
89G	Liverpool ... ..	...	...	...	...
264G	London ... ..	...	...	25 0 0	37 0 0
270G	Mikado ... ..	...	...	...	...
275G	O'Shea ... ..	...	...	...	...
326G	P.A., No. 1G ... ..	...	...	...	...
100G	Pactolus ... ..	...	...	...	...
280G	Pine Lodge ... ..	...	...	...	...
255G	Princess Melita ... ..	...	...	...	...
...	Puzzle ... ..	...	...	...	...
...	Quartz Claim, No. 1G ...	...	...	...	...
...	Do. No. 5G ... ..	...	...	...	...
...	Do. No. 10G ... ..	...	...	...	...
...	Do. No. 11G ... ..	...	...	...	...
...	Do. No. 15 ... ..	...	...	...	...
...	Do. No. 38G ... ..	...	...	...	...
...	Do. No. 44G ... ..	...	...	...	...
...	Do. No. 47G ... ..	...	...	...	...
296G	Redbank ... ..	...	...	...	...
295G	Scotland Yet ... ..	...	...	...	...
256G	Sovereign ... ..	...	...	20 0 0	26 0 0
18G	Spinaway ... ..	...	...	...	...
287G	Standard ... ..	...	...	...	...
281G	St. Lawrence ... ..	...	...	...	...
321G	Surprise ... ..	...	...	...	...
251G	Ulster ... ..	...	...	29 10 0	42 0 0
253G	Victoria ... ..	...	...	1 5 0	1 10 0
311G	White Cliffs ... ..	...	...	...	...
261G	Wairau ... ..	...	...	12 10 0	17 12 8
52G (3301z)	Warinni ... ..	...	...	...	...
290G	Western Extended ... ..	...	...	...	...
...	Unreported	Crushings (unknown) ...	...	...	...
...	...	Ryan's Quartz Claim ...	...	...	...
...	...	Quartz Claim 27G ... ..	...	...	...
...	...	Friday's Battery ... ..	...	...	...
...	...	...	...	1522 12 0	853 19 8

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
† 8 0 0	105 0 0	89 11 0	...	...	...	...	...	...
...	...	...	...	53 0 0	98 10 12	...	105 0 0	119 17 0
...	...	...	...	...	...	...	67 0 0	54 11 0
...	...	...	...	...	...	...	86 0 0	180 14 18
...	...	...	...	59 0 0	38 0 12	...	39 0 0	30 3 0
...	...	...	...	25 0 0	10 4 6	...	...	...
...	60 0 0	80 4 10	...	163 0 0	153 4 0	...	85 0 0	101 19 0
...	...	‡ 17 7 0	...	...	...	...	12 0 0	3 12 20
...	1723 0 0	1963 15 0	...	1716 0 0	1615 0 0	...	1630 0 0	933 8 0
...	...	...	...	...	...	...	132 0 0	292 5 0
...	...	...	...	...	...	...	34 0 0	30 1 13
...
...	...	...	...	...	...	...	218 0 0	187 8 0
...	4 10 0	7 13 0	...	...	...	...	...	...
...	27 0 0	20 0 0	...	...	...	...	57 0 0	98 8 12
...	16 0 0	47 7 10	...	...	...	...	...	...
...	...	...	...	9 18 0	14 18 18 } con 4 2 12 }	...	23 3 0	60 9 0
...	...	...	...	...	...	...	4 15 0	12 10 0
...	...	...	...	...	...	...	14 0 0	14 0 0
...	26 0 0	41 0 0	...	...	...	...	27 0 0	28 13 0
...
...	81 10 0	72 12 0	...	...	...	...	...	...
...	...	...	...	...	...	...	5 0 0	6 9 7
...	16 0 0	32 8 0	...	...	...	...	...	...
...
...	...	...	...	20 0 0	371 0 0	...	42 0 0	84 0 0
...
...	20 0 0	31 6 0	...	20 0 0	20 17 0	...	11 4 0	36 8 0
...
...	4 10 0	7 17 0	...	...	...	...	50 0 0	18 6 0
...	...	...	...	...	...	...	35 0 0	21 14 12
...	...	...	...	...	...	...	4 15 0	27 18 0
...	...	...	...	172 0 0	48 10 0	...	...	...
...	37 6 0	55 16 0	...	...	...	...	111 0 0	51 0 0
...	...	...	...	...	...	...	10 0 0	31 0 0
...	...	...	...	...	...	...	5 0 0	27 0 2
...	...	...	...	...	...	...	...	cy 2 12 4
...	32 0 0	33 3 6	...	...	...	...	...	...
...	...	...	...	...	...	...	51 0 0	62 2 6
...	57 0 0	57 7 12	...	...	...	...	83 0 0	129 10 0
* 4 15 0	106 0 0	54 8 8	* 3 7 0	25 10 0	22 6 19	...	...	...
...	...	...	...	...	...	...	5 0 0	9 12 0
...	100 0 0	75 0 0	...	...	...	...	...	...
...	25 0 0	19 5 0	...	...	...	...	...	...
...	...	...	...	20 0 0	58 16 2	...	...	...
...	...	...	...	9 5 0	25 11 0	...	...	...
...
...	...	...	...	...	...	...	21 0 0	29 7 6
...	...	...	...	...	...	...	5 0 0	6 11 0
...	...	...	...	...	...	...	8 0 0	9 3 0
...	...	...	...	...	...	...	4 5 0	4 19 0
...
...	...	...	...	...	...	* 6 0 0	63 0 0	25 15 0
...	...	...	...	66 0 0	68 15 0	...	...	...
...
...	...	...	...	146 0 0	106 3 0	...	156 0 0	117 16 7
...	...	...	...	5 0 0	5 7 0	...	20 0 0	20 15 0
...	...	...	...	16 0 0	36 5 0	...	24 0 0	22 4 0
...	...	...	...	57 0 0	68 11 10	...	89 0 0	79 4 1
...	...	...	...	...	...	...	10 0 0	29 9 0
...	...	...	...	...	...	...	16 5 0	13 10 0
...	...	...	...	65 0 0	87 12 9	...	...	...
...
...	...	...	...	32 0 0	12 0 15	...	...	...
...
...	56 0 0	58 1 8	...	5 0 0	5 1 12	...	...	...
...	...	...	...	25 0 0	39 8 0	...	...	...
...	...	...	...	...	...	...	9 0 0	17 3 0
...
12 15 0	2496 16 0	2764 2 6	3 7 0	2709 13 0	2910 5 7	6 0 0	3372 7 0	3031 9 12

* Dollied.

† Specimens.

con From 7 tons 10 cwts.

cy From 4 tons tailings.

‡ Extras.

TABLE NO. II.—Return of

North Coolgardie

NIAGARA

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tous cwts. qrs.	ozs. dwts. grs.
146a	Ballarat (late Trilby	...	8 0 0	105 0 0	89 11 0
67a	Barrington ... ..	...	...	158 0 0	218 7 12
279a	Batavia ... ..	...	...	67 0 0	54 11 0
307a	Battler's Hope ... ..	...	...	86 0 0	180 14 18
277a	Belbedear ... ..	...	...	98 0 0	68 3 12
284a	Birmingham ... ..	...	...	25 0 0	10 4 6
286a	Blue Bell ... ..	...	...	308 0 0	335 7 10
38a ... ..	...	Blevin's Find G.M. Co.	...	1400 0 0	664 9 20
41a ... ..	...	Britannia G.Ms., Ltd.	...	5069 0 0	4512 3 0
320a	Champion ... ..	...	...	132 0 0	292 5 0
49a (3291z)	Commonwealth	Niagara Commonwealth Ex- ploration Co., Ltd.	...	34 0 0	30 1 13
26a ... ..	...	Cosmopolitan Proprietary, Ltd.	...	218 0 0	187 8 0
273a	Day Dawn ... ..	...	...	4 10 0	7 13 0
260a	Desdemona ... ..	...	...	84 0 0	118 8 12
106a	Do. Extended ... ..	...	...	16 0 0	47 7 10
194a	Diamontina ... ..	...	...	33 1 0	79 10 6
291a	Dolly Darling ... ..	...	...	4 15 0	12 10 0
301a	Eureka ... ..	...	...	14 0 0	14 0 0
278a	Fortuna ... ..	...	...	53 0 0	69 13 0
17a	Gillmore ... ..	...	...	...	...
29a (3209z)	Gladstone ... ..	...	...	92 17 0	88 19 12
272a	Golden Hope ... ..	...	...	10 0 0	21 7 7
249a	Golden Treasure ... ..	...	...	46 0 0	87 9 12
223a, 224a, 225a, 226a	...	Hannan's Gold Estates, Ltd.	...	...	...
282a	Homeward Bound ... ..	...	...	62 0 0	455 0 0
85a (3619z)	Hoffman's ... ..	...	...	...	...
316a	John Bull ... ..	...	...	11 4 0	36 8 0
250a	Jubilee ... ..	...	...	40 0 0	52 3 0
313a	Kitchener ... ..	...	...	50 0 0	18 6 0
274a	Last Chance ... ..	...	...	39 10 0	29 11 12
314a	Lily ... ..	...	...	4 15 0	27 18 0
89a	Liverpool ... ..	...	...	172 0 0	48 10 0
264a	London ... ..	...	...	173 6 0	143 16 0
270a	Mikado ... ..	...	...	10 0 0	31 0 0
275a	O'Shea ... ..	...	...	5 0 0	29 12 6
...	P.A., No. 1a ... ..	...	...	32 0 0	33 3 6
326a	Pactolus ... ..	...	...	51 0 0	62 2 6
100a	Pine Lodge ... ..	...	...	140 0 0	186 17 12
280a	Princess Melita ... ..	...	8 2 0	131 10 0	76 15 3
255a	Puzzle ... ..	...	...	5 0 0	9 12 0
...	Quartz Claim, No. 1a ... ..	...	...	100 0 0	75 0 0
...	Do. No. 5a ... ..	...	...	25 0 0	19 5 0
...	Do. No. 10a ... ..	...	...	20 0 0	58 16 2
...	Do. No. 11a ... ..	...	...	9 5 0	25 11 0
...	Do. No. 15 ... ..	...	...	21 0 0	29 7 6
...	Do. No. 38a ... ..	...	...	5 0 0	6 11 0
...	Do. No. 44a ... ..	...	...	8 0 0	9 3 0
...	Do. No. 47a ... ..	...	...	4 5 0	4 19 0
296a	Redbank ... ..	...	6 0 0	...	...
295a	Scotland Yet ... ..	...	...	63 0 0	25 15 0
256a	Sovereign ... ..	...	...	86 0 0	94 15 0
18a	Spinaway ... ..	...	...	...	...
287a	Standard ... ..	...	...	302 0 0	223 19 7
281a	St. Lawrence ... ..	...	...	25 0 0	26 2 0
321a	Surprise ... ..	...	...	40 0 0	58 9 0
251a	Ulster ... ..	...	...	175 10 0	189 15 11
253a	Victoria ... ..	...	...	11 5 0	30 19 0
311a	White Cliffs ... ..	...	...	16 5 0	13 10 0
261a	Wairau ... ..	...	...	77 10 0	105 4 17
52a (3301z)	Warinni ... ..	...	...	...	...
290a	Western Extended ... ..	...	...	32 0 0	12 0 15
...	Unreported	Crushings (unknown)	...	56 0 0	58 1 8
...	...	Ryan's Quartz Claim	...	5 0 0	5 1 12
...	...	Quartz Claim 27a ... ..	...	25 0 0	39 8 0
...	...	Friday's Battery ... ..	...	9 0 0	17 3 0
...	...	...	22 2 0	10101 8 0	9559 16 9
...	ALLUVIAL ... ..	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1895.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	t. s. d.
...	11 17 0	12 4 0	8 0 0	116 17 0	101 15 0	0 17 10	
...	...	...	...	158 0 0	218 7 12	1 7 15	3 17 8
...	...	...	...	67 0 0	54 11 0	0 16 6	3 11 0
...	...	...	...	86 0 0	180 14 18	2 2 0	3 15 0
...	...	...	...	98 0 0	68 3 12	0 13 21	3 12 6
...	...	...	...	25 0 0	10 4 6	0 8 4	
...	...	...	...	308 0 0	335 7 10	1 1 18	3 10 0
...	130 0 0	131 0 0	...	1530 0 0	795 9 20	0 10 9	3 11 0
...	...	...	...	5069 0 0	4512 3 0	0 17 19	3 10 0
...	...	...	...	132 0 0	292 5 0	2 4 6	3 15 1
...	18 0 0	27 0 0	...	52 0 0	57 1 13	1 1 22	
...	...	...	...	218 0 0	187 8 0	0 17 4	3 14 8
...	...	...	...	4 10 0	7 13 0	1 14 0	
...	7 0 0	6 0 0	...	91 0 0	124 8 12	1 7 8	3 12 6
...	...	...	...	16 0 0	47 7 10	2 19 5	
...	...	...	...	33 1 0	79 10 6	2 8 4	3 10 2
...	...	...	...	4 15 0	12 10 0	2 12 15	4 0 11
...	...	...	...	14 0 0	14 0 0	1 0 0	3 15 0
...	...	...	...	53 0 0	69 13 0	1 6 6	3 12 6
...	53 0 0	25 10 11	...	53 0 0	25 10 11	0 9 15	
...	12 10 0	20 17 0	...	105 7 0	109 16 12	1 0 20	
...	...	...	...	10 0 0	21 7 7	2 2 17	3 15 0
...	97 0 0	185 14 3	...	143 0 0	273 3 15	1 18 0	
...	20 0 0	43 0 0	...	20 0 0	43 0 0	2 3 0	
...	...	...	...	62 0 0	455 0 0	7 6 18	3 18 9½
...	2600 0 0	200 0 0	...	2600 0 0	200 0 0	0 1 12	
...	...	...	...	11 4 0	36 8 0	3 5 0	
...	...	...	...	40 0 0	52 3 0	1 6 1	3 10 0
...	...	...	...	50 0 0	18 6 0	0 7 7	3 10 0
...	...	...	...	39 10 0	29 11 12	0 14 23	3 17 0
...	...	...	...	4 15 0	27 18 0	5 17 11	3 18 6
...	...	...	...	172 0 0	48 10 0	0 5 15	
...	4 10 0	13 5 0	...	177 16 0	157 1 0	0 17 15	
...	...	...	...	10 0 0	31 0 0	3 2 0	3 15 6
...	...	...	...	5 0 0	29 12 6	5 18 10	3 15 0
...	...	...	...	32 0 0	33 3 6	1 0 17	
...	...	...	...	51 0 0	62 2 6	1 4 6	
...	12 4 0	15 8 6	8 2 0	152 4 0	202 5 18	1 6 13	4 0 0
...	...	...	...	131 10 0	76 15 3	0 11 16	3 15 0
...	...	...	...	5 0 0	9 12 0	1 18 9	
...	...	...	...	100 0 0	75 0 0	0 15 0	
...	...	...	...	25 0 0	19 5 0	0 15 9	
...	...	...	...	20 0 0	58 16 2	2 18 19	3 13 2
...	...	...	...	9 5 0	25 11 0	2 14 1	3 19 0
...	...	...	...	21 0 0	29 7 6	1 7 23	3 10 0
...	...	...	...	5 0 0	6 11 0	1 6 4	3 12 0
...	...	...	...	8 0 0	9 3 0	1 2 21	3 11 0
...	...	...	6 0 0	4 5 0	4 19 0	1 3 7	
...	...	...	...	63 0 0	25 15 0	0 8 4	3 17 10
...	...	...	...	86 0 0	94 15 0	1 2 0	
...	12 0 0	5 11 0	...	12 0 0	5 11 0	0 9 6	
...	...	...	...	302 0 0	223 19 7	0 14 19	
...	...	...	...	25 0 0	26 2 0	1 0 21	3 18 0
...	...	...	...	40 0 0	58 9 0	1 9 5	3 15 5½
...	...	...	...	175 10 0	189 15 11	1 1 15	3 13 5½
...	...	...	...	11 15 0	30 19 0	2 15 0	3 19 6
...	...	...	...	16 5 0	13 10 0	0 16 14	3 15 0
...	...	...	...	77 10 0	105 4 17	1 7 3	
...	12 10 0	56 7 12	...	12 10 0	56 7 12	4 10 4	
...	...	...	...	32 10 0	12 0 15	0 7 12	
...	...	...	...	56 0 0	58 1 8	1 0 17	
...	...	...	...	5 0 0	5 1 12	1 0 7	
...	...	...	...	25 0 0	39 8 0	1 11 12	
...	...	...	...	9 0 0	17 3 0	1 18 2	
...	2990 11 0	741 17 8	22 2 0	13091 19 0	10301 13 17	0 15 17	
60 0 0							

TABLE No. II.—Return of

North Coolgardie

YERILLA

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
204R ... ..	...	Anglo-Saxon G.M. Co., N.L.	...	...	...
87R	Black Gin ... ..	...	...	...	...
376R	Bonanza ... ..	...	...	...	...
117R	Bound to Rise ... ..	...	...	...	...
399R	Burgess' Luck ... ..	...	* 60 0 0	...	...
413R	Caledonian ... ..	...	...	...	...
286R, 285R	Crown Lands ... ..	...	...	...	...
	Crushed Tragedian and True Blue ... ..	...	...	...	...
	Eucalyptus Reward Claim ... ..	...	...	...	...
118R	George Washington ... ..	...	...	...	...
98R	Golden Grove ... ..	...	...	...	...
123R	Golden Ridge ... ..	...	...	...	...
406R	Great Carbine ... ..	...	...	...	...
408R	Greenhill ... ..	...	...	...	...
378R	Jubilee ... ..	...	...	...	...
414R	Kangaroo ... ..	...	...	...	...
416R	Keep-it-dark ... ..	...	...	...	...
384R	Lady Edith	Lake View and Boulder East G.Ms., Ltd.	...	...	...
387R	Lady Ethel ... ..	...	...	...	...
372R	Lady Florence ... ..	...	...	...	...
264R	Lady Gertrude ... ..	...	...	...	...
354R	Lady Gertrude South ... ..	...	...	...	...
123R, 188R, 196R, 320R, 384R, 397R ... ..	...	Lake View and Boulder East G.Ms., Ltd.	...	...	...
397R	La Tosca ... ..	...	...	...	...
305R	Lombard ... ..	...	...	...	...
55R, 59R, 60R... ..	Mt. Catherine	Mt. Catherine G.M. Co., Ltd.	...	300 0 0	18 0 0
375R	Mt. Remarkable South... ..	...	...	...	...
430R	Mountain Maid ... ..	...	...	...	...
357R	Mt. Wilgress ... ..	...	...	...	...
401R	Neta ... ..	...	...	...	...
100R	Nine of Hearts ... ..	...	...	...	...
110R	Ovens ... ..	...	...	...	...
188R	Portsea	Lake View and Boulder East G.Ms., Ltd.	...	...	...
	P.A. 2R, Kingfisher Prospecting P.A., 10R ... ..	...	...	10 0 0	20 8 12
17R	Prospecting P.A., 17R ... ..	...	...	...	...
70R	Queen of the Earth ... ..	...	* 50 4 0	...	...
88R	Queen of the Earth, No. 8, N. ... ..	...	...	...	...
89R	Queen of the Earth, No. 9, N. ... ..	...	...	...	...
180R	Rise Again ... ..	...	...	...	...
121R	Te Anau ... ..	...	...	...	...
420R	Traveller's Joy ... ..	...	...	...	...
16R ... ..	...	Triumph Leases, Ltd.	...	...	...
295R	True Bluejacket... ..	...	...	...	...
400R	Unity ... ..	...	...	...	...
154R, 155R, 156R	Westward Ho	Yerilla G.M. Co., No Liability	...	...	...
358R	Wimmera ... ..	...	...	...	...
64R, 65R, 93R, 105R	Yerilla Claims	Yerilla Claims, Ltd....	...	...	...
			110 4 0	310 0 0	38 8 12

* Dollied.

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
...
...	21 0 0	13 17 0
...
...
* 200 0 0	* 200 0 0	27 0 0	60 0 0	...	...	...
...	25 0 0	27 15 0	...	...	...
...	10 0 0	6 10 0	...	...	...
...	19 0 0	28 2 0	...	...	...
...	54 0 0	51 0 0
...	20 0 0	116 0 0	...	52 15 0	57 8 0
...
...	10 0 0	6 19 0
...	8 0 0	12 14 0	...	28 0 0	30 0 0	...	...	...
...	40 0 0	185 10 0	...	...	...
...
...	18 1 0	9 5 0	...	...	...
...	† 84 10 0	...	...	* 35 0 0	24 0 0	85 0 0
...	18 0 0	78 19 0	...	51 0 0	164 13 0
...	8 0 0	18 16 0	...	124 0 0	138 18 0	* 5 0 0	120 0 0	135 17 0
...
...	20 0 0	22 7 0
...	61 0 0	34 4 0	...	...	...	...	...	...
...
...	* 9 0 0	...	...
...	21 0 0	8 0 0	...	...	...	...	...	...
...
...	3 10 0	4 2 0
...
...	180 0 0	329 17 12	...	349 0 0	412 3 0	...	235 0 0	339 7 0
...	255 0 0	299 19 0	...	85 0 0	89 1 0
...	86 0 0	114 15 0	...	...	...
...	25 0 0	18 7 0	...	51 0 0	33 3 12
...	25 0 0	57 14 12	...	...	...	...	...	...
...	52 0 0	62 7 0
...	50 0 0	48 16 0
...	* 8 0 0	...	...	...	...	...
...
...
...	17 0 0	16 0 0	...	...	...	...	...	...
...	10 0 0	23 8 0	...	27 0 0	23 3 0
...	515 0 0	538 0 0	...	...	con. 27 6 0
...
...	20 0 0	15 0 0	...	...	...
...	465 0 0	298 0 0	...	...	...	...	...	...
...	65 0 0	113 1 0	...	20 0 0	23 15 0
...
200 0 0	785 0 0	770 6 0	292 10 0	1654 1 0	2215 12 0	49 0 0	876 5 0	1188 1 12

* Dollied. † Specimens. con. From 5 tons 7 cwt. concentrates.

TABLE NO. II.—Return of

North Coolgardie

YERILLA

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
204R ... ..	...	Anglo-Saxon G.M. Co., N.L.	...	...	...
87R	Black Gin ... ..	...	...	21 0 0	13 17 0
376R	Bonanza ... ..	...	...	...	...
117R	Bound to Rise ... ..	...	...	...	...
	Do. ... ..	...	...	...	...
399R	Burgess' Luck ... ..	...	460 0 0	27 0 0	60 0 0
413R	Caledonian ... ..	...	...	25 0 0	27 15 0
	Crown Lands ... ..	...	...	10 0 0	6 10 0
286R, 285R	Crushed Tragedian and True Blue ... ..	...	...	19 0 0	28 2 0
	Eucalyptus Reward Claim ... ..	...	...	54 0 0	51 0 0
118R	George Washington ... ..	...	...	72 15 0	173 8 0
98R	Golden Grove ... ..	...	...	...	...
123R	Golden Ridge ... ..	...	...	10 0 0	6 19 0
406R	Great Carbine ... ..	...	...	36 0 0	42 14 0
408R	Greenhill ... ..	...	...	40 0 0	185 10 0
378R	Jubilee ... ..	...	...	...	...
414R	Kangaroo ... ..	...	...	18 1 0	9 5 0
416R	Keep-it-Dark ... ..	...	119 10 0	24 0 0	85 0 0
384R	Lady Edith	Lake View and Boulder East G.Ms., Ltd.	...	69 0 0	243 12 0
387R	Lady Ethel ... ..	...	5 0 0	252 0 0	293 11 0
372R	Lady Florence ... ..	...	...	...	...
264R	Lady Gertrude ... ..	...	...	20 0 0	22 7 0
354R	Lady Gertrude South ... ..	...	...	...	...
123R, 188R, 196R, 320R, 384R, 397R	...	Lake View and Boulder East G.Ms., Ltd.	...	61 0 0	34 4 0
397R	La Tosca ... ..	...	9 0 0	...	...
305R	Lombard ... ..	...	...	...	...
55R, 59R, 60R...	Mt. Catherine	Mt. Catherine G.M. Co., Ltd.	...	321 0 0	26 0 0
375R	Mt. Remarkable South... ..	...	...	...	...
430R	Mountain Maid ... ..	...	...	3 10 0	4 2 0
357R	Mt. Wilgress ... ..	...	...	...	...
401R	Neta ... ..	...	...	584 0 0	751 10 0
100R	Nine of Hearts ... ..	...	...	520 0 0	718 17 12
110R	Ovens ... ..	...	...	86 0 0	114 15 0
188R	Portsea	Lake View and Boulder East G.Ms., Ltd.	...	76 0 0	51 10 12
	P.A. 2R, Kingfisher ... ..	...	...	35 0 0	78 3 0
	Prospecting P.A. 10R ... ..	...	...	52 0 0	62 7 0
17R	Prospecting P.A., 17R ... ..	...	...	50 0 0	48 16 0
70R	Queen of the Earth ... ..	...	58 4 0	...	...
88R	Queen of the Earth, No. 8, N. ... ..	...	...	...	...
89R	Queen of the Earth, No. 9, N. ... ..	...	...	...	...
180R	Rise Again ... ..	...	...	...	...
121R	Te Anau ... ..	...	...	17 0 0	16 0 0
420R	Traveller's Joy ... ..	...	...	37 0 0	46 11 0
16R ... ..	...	Triumph Leases, Ltd.	...	515 0 0	565 6 0
295R	True Bluejacket... ..	...	...	...	...
400R	Unity ... ..	...	...	20 0 0	15 0 0
154R, 155R, 156R	Westward Ho	Yerilla G.M. Co., No Liability	...	465 0 0	293 0 0
358R	Wimmera ... ..	...	...	85 0 0	136 16 0
64R, 65R, 93R, 105R	Yerilla Claims	Yerilla Claims, Ltd.	...	...	...
	Total ... ..	...	651 14 0	3625 6 0	4212 8 0
	Ounces from unknown tons Do. do.	Bound to Rise Lombard ... ..	...	...	...
	ALLUVIAL ... ..	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1893.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	28 0 0	23 10 0	...	28 0 0	23 10 0	0 16 18	3 12 6
...	16 0 0	15 11 0	...	37 0 0	29 8 0	0 15 21	3 14 0
28 0 0	5 0 0	17 14 0	28 0 0	5 0 0	17 14 0	3 10 19	3 12 6
...	0 10 0	39 0 0	...	0 10 0	39 0 0		
...	...	1 ⁺	1 ⁺		
...	...	...	460 0 0	27 0 0	60 0 0	2 4 10	3 15 0
...	...	...	...	25 0 0	27 15 0	1 2 14	
...	...	...	...	10 0 0	6 10 0	0 13 0	
18 0 0	19 0 0	23 7 0	18 0 0	38 0 0	51 9 0	1 7 1	
...	...	...	...	54 0 0	51 0 0	0 18 21	
...	10 0 0	27 12 12	...	82 15 0	201 0 12	2 8 14	3 14 0
...	10 15 0	3 17 0	...	10 15 0	3 17 0	0 7 3	3 10 0
...	...	...	...	10 0 0	6 19 0	0 13 21	3 2 0
...	...	...	...	36 0 0	42 14 0	1 3 17	
...	...	...	...	40 0 0	185 10 0	4 12 18	3 17 6
...	14 15 0	6 1 0	...	14 15 0	6 1 0	0 8 4	
...	...	...	...	18 1 0	9 5 0	0 10 6	
...	...	...	119 10 0	24 0 0	85 0 0	3 10 20	3 16 5
...	...	...	...	69 0 0	243 12 0	3 10 14	3 2 0
...	...	...	5 0 0	252 0 0	293 11 0	1 3 7	
...	43 0 0	16 9 12	...	43 0 0	16 9 12	0 7 15	
...	|| 58 0 0	|| 138 16 0	...	78 0 0	161 3 0	2 1 6	3 15 0
...	|| 9 0 0	|| 3 3 0	...	9 0 0	3 3 0	0 7 0	
...	|| 522 0 0	|| 810 15 0	...	583 0 0	844 19 0	1 8 23	
...	|| 16 0 0	|| 15 4 0	9 0 0	16 0 0	15 4 0	0 19 0	3 15 0
...	...	2 ⁺	2 ⁺		
...	22 0 0	11 17 20	...	321 0 0	26 0 0	0 1 14	3 15 0
...	...	...	...	22 0 0	11 17 20	0 10 19	
...	9 0 0	7 10 0	...	3 10 0	4 2 0	1 3 10	3 15 0
...	...	...	...	9 0 0	7 10 0	0 16 16	
...	...	...	...	584 0 0	751 10 0	1 5 17	3 6 0
...	...	...	...	520 0 0	718 17 12	1 7 15	3 14 0
...	...	...	...	86 0 0	114 15 0	1 6 16	
...	...	...	...	76 0 0	51 10 12	0 13 13	3 12 0
...	...	...	...	35 0 0	78 3 0	2 4 15	
...	...	...	...	52 0 0	62 7 0	1 3 23	
...	...	...	...	50 0 0	48 16 0	0 19 12	
3139 13 16	...	...	3197 17 16	...	...	...	...
2 4 18	...	...	2 4 18	...	...	...	...
...	49 3 0	52 13 18	...	49 3 0	52 13 18	1 1 12	
...	30 0 0	17 6 0	...	30 0 0	17 6 0	0 11 12	
...	...	...	...	17 0 0	16 0 0	0 18 19	
...	...	...	...	37 0 0	46 11 0	1 5 3	4 0 0
...	|| 1747 0 0	|| 1648 0 0	...	2262 0 0	2213 6 0	0 19 3	
...	12 0 0	18 12 0	...	12 0 0	18 12 0	1 11 0	
...	...	...	...	20 0 0	15 0 0	0 15 0	
...	96 0 0	81 11 6	...	561 0 0	374 11 6	0 13 8	3 12 6
...	22 0 0	56 12 0	...	107 0 0	193 8 0	1 16 3	3 15 0
...	449 10 0	467 1 0	...	449 10 0	467 1 0	1 0 18	
3187 18 10	3188 13 0	3502 3 20	3839 12 10	6813 19 0	7714 11 20	1 2 15	
...	...	1 ⁺ 240 0 0	...	...	1 ⁺ 240 0 0		
...	...	2 ⁺ 35 0 0	...	...	2 ⁺ 35 0 0		
60 0 0	...	275 0 0	...	...	275 0 0		

TABLE No. II.—Return of

Broad Arrow

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
1010w	Arrow Brown Hill ... ..	...	...	5 0 0	13 1 0
885w	Anstraliasia Extended ... ..	...	...	...	...
58w, 59w ... ..	...	Arrow Proprietary G.Ms. of W.A., Ltd.	...	...	...
1006w	Arrow Queen ... ..	...	...	...	...
28w	Auraria Q.C. ... ..	...	...	...	...
1076w ... ..	...	Bardoc G.Ms., Ltd. ... ..	...	...	...
42w	Barrier ... ..	...	45 0 0	62 4 0	...
287w	Beers ... ..	...	...	...	...
499w, 500w ... ..	...	Black Flag Central G.M. Co. Black Flag Proprietary Co., Ltd.	...	...	...
43w, 52w, 62w ... ..	...	Black Flag Junction G.Ms., Ltd.	...	...	...
1021w	Black Flag Junction ... ..	...	...	...	...
1029w	Blue Bell ... ..	...	...	...	...
1052w	Blue Peter ... ..	...	...	...	...
1051w	Bulimba ... ..	...	...	...	...
142w, 225w, 226w ... ..	...	Credo G.Ms., Ltd. ... ..	...	...	...
12w, 157w, 185w, 534w ... ..	...	Crown United G.M. Co. ... ..	...	208 0 0	122 19 0 con ¹ 12 14 6
195w	Devon ... ..	...	8 0 0	3 0 0	...
427w ... ..	...	Devon Consols G.M. Co., N.L.	...	...	...
1001w	Diamond Jubilee ... ..	...	5 8 0	16 7 0	...
960w, 995w ... ..	...	Dixie G.Ms., Ltd. ... ..	...	...	...
36w	Eva ... ..	...	...	...	...
25w	Excelsior ... ..	...	...	...	...
33w	Excelsior Extended ... ..	...	...	...	...
993w	Eureka ... ..	...	...	...	...
1004w	Eureka North ... ..	...	...	...	...
994w	Federation ... ..	...	33 0 0	22 0 0	...
3w, 138w, 139w, 173w, 1000w ... ..	...	Golden Arrow Mines, Ltd.	174 0 0	68 0 0	...
1072w	Golden Buckle ... ..	...	...	...	...
997w	Golden Coin ... ..	...	...	...	...
765w	Golden Crown ... ..	...	21 0 0	49 8 0	...
37w	Golden Gem Q.C. ... ..	...	...	...	...
41w	Golden King ... ..	...	...	...	...
1082w	Goldsborough ... ..	...	...	...	...
107w, 108w, 109w, 887w, 956w ... ..	...	Half-mile Reefs, Ltd. ... ..	...	...	...
2w	Hill End ... ..	...	1439 0 0	2070 4 0	...
690w	Hill End West ... ..	...	46 6 0	100 2 12	...
...	Hope Mine ... ..	...	...	...	...
999	Jubilee ... ..	...	...	...	...
1037	Kent ... ..	...	...	...	...
755w	Kingsley Hall Junction ... ..	...	...	...	...
172w ... ..	...	Kingsley Hall Reward G.M. Co., N.L.	...	...	...
81w	King of the West	King of the West G.M. Co., Ltd.	...	...	...
1065w	Klondyke ... ..	...	...	...	...
47w, 48w, 49w ... ..	...	{ Lady Bountiful G.M. Co., } { N.L. }	210 0 0	192 8 0	...
1062w	Lady Florence ... ..	...	...	...	...
1068w	Lady Rose ... ..	...	...	...	...
56w, 75w, 122w	Liberty Leases ... ..	...	...	...	...
76w	Light of the Swan ... ..	...	...	...	...
978w ... ..	...	Minnie Palmer South G.M. Co.	30 0 0	10 12 0	...
44w ... ..	...	Mona Gold Mining Co., Ltd.	...	...	...
45w	Mt. Corlic ... ..	...	...	...	...
17w	Mt. Pleasant ... ..	...	* 31 9 6	...	...
19w ... ..	...	Nerrin Nerrin G.M. Co. ... ..	...	...	...
979w, 980w ... ..	...	Black Flag Consold. G.Ms. Ltd. (late New Flag G.M. Co.)	...	...	...
998w	Ophir ... ..	...	* 40 0 0	...	...
57w, 53w ... ..	...	Paddington Consols, Ltd. ... ..	...	1200 0 0	665 0 0
736w	Pleasure Bound ... ..	...	...	...	...
911w	Pootilla ... ..	...	...	...	...
291w	Pride of Arrow ... ..	...	...	...	...
...	Quartz Claim (Hunter) ... ..	...	...	...	...
227w	Queen of Beauty ... ..	...	...	...	...
888w ... ..	...	Queen of Queens G.M. Co. ... ..	...	...	...
1002w	Queen Victoria ... ..	...	...	...	...
134w, 135w ... ..	...	Northam Milling and Mining Co., Ltd. (late Railway G.M. Co.)	...	...	...
1070w	Reform ... ..	...	...	...	...
84w, 85w, 119w ... ..	...	Royal Standard G.M. Co. ... ..	...	...	...
176w	Rose and Swan ... ..	...	...	...	...
...	Carried forward ... ..	...	71 9 6	3424 14 0	3407 19 18

* Dollied.

con.¹ From 12 tons concentrates.

Ore Treated, etc.—continued.

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
...	...	...	...	50 0 0	82 3 20	...	...	...
...	51 12 0	15 1 6	...	28 0 0	7 4 12	...	...	...
...
...
...	...	...	...	50 0 0	44 16 2	...	...	...
...	...	...	...	100 0 0	20 1 12	...	63 0 0	73 9 0
...
...
...
...	7 10 0	9 8 0	...	...	...	...	...	...
...	30 0 0	15 11 14	...	...	...	...	...	...
...	10 0 0	18 9 20	...	25 0 0	38 0 0	...	23 10 0	48 15 0
...	31 0 0	10 1 0	...	...	...	...	...	...
...
...	160 0 0	27 1 12	...	480 0 0	176 17 18	...	126 0 0	34 19 0
...	...	...	8 10 6	...	...	...	...	...
...
...	174 0 0	153 7 5	...	60 0 0	64 6 0	...	41 0 0	46 14 0
...	43 10 0	80 4 10	...	...	cy ¹ 2 4 12	...	...	...
...	...	...	...	...	...	...	5 10 0	15 10 0
...	271 0 0	206 18 0	...	328 0 0	217 6 0	...	155 0 0	73 16 12
...	...	...	...	5 0 0	1 3 0	...	...	...
...	...	...	...	35 0 0	15 5 9	...	10 10 0	14 18 0
...	...	...	...	5 0 0	11 7 0	...	26 0 0	7 16 0
...	...	...	...	...	...	...	20 0 0	25 5 0
...	14 0 0	8 7 7	...	375 0 0	157 1 0	...	225 0 0	110 18 0
...	1847 0 0	2851 12 0	...	2051 0 0	3559 8 12	...	1750 0 0	1725 7 0
...	...	...	...	6 0 0	24 0 0	...	...	...
...	...	...	...	5 0 0	1 15 6	...	...	...
...	33 6 0	10 5 0	...	...	...	...	...	...
...
...	...	...	...	850 0 0	60 0 0	...	...	...
...	...	...	...	...	...	...	6 0 0	18 4 6
...	226 13 0	{ 553 3 18 } { con. ² 20 3 0 }	...	...	cy ² 210 0 0	...	124 0 0	{ 169 15 15 } { cy. ³ 755 0 12 }
...	15 0 0	6 7 18	...	...	...	...	...	...
...	...	...	...	...	...	...	14 7 0	8 4 0
...	...	...	...	50 0 0	21 2 12	...	10 0 0	12 11 12
...
...	...	...	...	{ 110 0 0 } { con. ³ 8 4 0 }	{ 116 0 0 } { 217 9 0 }	...	...	...
...	137 0 0	192 0 13	...	267 0 0	29 10 0	...	783 0 0	315 4 0
...	...	...	...	{ 10 0 0 } { con. ⁴ 1 14 0 }	...	...	...	...
...
...	4040 0 0	2371 0 0	...	4770 0 0	2512 7 0	...	5980 0 0	2558 5 0
...
...	57 0 0	47 12 13	...	...	...	...	...	...
...	...	...	...	...	...	...	22 0 0	11 11 0
...	41 0 0	36 3 0	...	...	...	...	...	...
...
...	56 0 0	17 14 0	...	...	...	...	...	...
...	...	...	26 6 0	33 0 0	24 9 0	...	13 0 0	27 6 12
...	152 0 0	43 9 0	...	97 0 0	29 2 12	...	40 0 0	8 12 0
...	...	...	...	...	...	...	...	pl 30 0 0
...	...	...	...	...	...	...	55 0 0	44 1 0
...	7397 11 0	6694 0 16	34 16 6	9790 0 0	7652 18 7	...	9492 17 0	6136 2 21

cy¹ From 10 tons tailings.
con.² From 2 ton lewt. 2qrs. concentrates.cy² From 325 tons tailings.
con.³ No tonnage stated.cy³ From 1156 tons tailings.
con.⁴ From 1 ton 9cwt. concentrates.

pl, Plates.

TABLE NO. II.—Return of

Broad Arrow

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.									
			Dolled and Specimens.		Ore treated.		Gold therefrom.					
			ozs.	dwts.	grs.	tous	cwts.	grs.	ozs.	dwts.	grs.	
	Brought forward		71	9	6	3424	14	0	3407	19	18	
982w	Rose and Swan South											
1041w	Roseberry					8	0	0	1	15	9	
1046w	Rose Extended											
603w, 617w	Stacks of Gold and Golden Stacks											
1047w	Star of W.A.											
131w	South Star						32	12	0	66	11	12
1043w	Struck Oil											
147w (909)	Surbiton											
77w	Surprise											
	Surprise Q.C.											
1071w	Taipo											
745w	Talisman North, Ltd.	Talisman Mines, Ltd.										
1027w	Walhalla						13	10	0	45	16	0
968w	Vettersburg											
643w	Victory						10	0	0	22	3	0
1080w	Volunteer											
165w	Meteor	W.A. Gold Concessions, Ltd.					28	0	0	36	6	10
1054w	W.A. Money Market											
1013w	Wainui											
	Wanderer Q.C.											
1090w	Wait-a-Bit											
325w	Wycheproof											
779w		Windermere North G.M. Co.					5	0	0	3	3	18
39w	Zoroastrian	Zoroastrian G.Ms., Ltd.										
	Public crushings from Sundry parcels treated	other mines at Hannan's Reward, Ltd.										
	Do. do.	at Half-mile Reef, Ltd.										
	Do. do.	at Lake View South										
	Do. do.	at Seabrook (Northam)										
			71	9	6	3521	16	0	3583	15	19	

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.									
			Dolled and Specimens.		Ore treated.		Gold therefrom.					
			ozs.	dwts.	grs.	tous	cwts.	grs.	ozs.	dwts.	grs.	
1010w	Arrow Brown Hill					55	0	0	95	4	20	
885w	Australasia Extended					79	12	0	22	5	18	
58w, 59w		Arrow Proprietary G.Ms. of W.A., Ltd.										
1006w	Arrow Queen											
28w	Auraria Q.C.					50	0	0	44	16	2	
1076w		Bardoc G.Ms., Ltd.				163	0	0	93	10	12	
42w	Barrier					45	0	0	62	4	0	
287w	Beers											
499w, 500w		Black Flag Central G.M. Co.										
43w, 52w, 62w		Black Flag Proprietary Co., Ltd.										
1021w	Black Flag Junction	Black Flag Junction G.Ms., Ltd.				7	10	0	9	8	0	
1029w	Blue Bell					30	0	0	15	11	14	
1052w	Blue Peter					58	10	0	105	4	20	
1051w	Bulimba					31	0	0	10	1	0	
142w, 225w, 226w		Crede G.Ms., Ltd. Do.										
12w, 157w, 185w, 534w		Crown United G.M. Co.				974	0	0	374	11	12	
195w	Devon					8	0	0	3	0	0	
427w		Devon Consols G.M. Co., N.L.	8	10	6							
1001w	Diamond Jubilee					5	8	0	16	7	0	
960w, 995w		Dixie G.Ms., Ltd.										
36w	Eva											
25w	Excelsior					275	0	0	264	7	5	
33w	Excelsior Extended											
993w	Eureka					43	10	0	82	8	22	
1004w	Eureka North											
994w	Federation					38	10	0	37	10	0	
3w, 138w, 139w, 173w, 1000w		Golden Arrow Mines, Ltd.				928	0	0	566	0	12	
1072w	Golden Buckle					5	0	0	1	3	0	
997w	Golden Coin											
765w	Golden Crown					66	10	0	79	11	9	
37w	Golden Gem Q.C.					31	0	0	19	3	0	
41w	Golden King											
1082w	Goldsborough					20	0	0	25	5	0	
107w, 108w, 109w, 887w, 956w		Half-mile Reefs, Ltd.				614	0	0	276	6	7	
2w	Hill End						7087	0	0	10206	11	12
	Carried forward		8	10	6	10615	10	0	12410	11	21	

Ore Treated, etc.—continued.

Goldfield—continued.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	7397 11 0	6694 0 16	34 16 6	9790 0 0	7652 18 7	...	9492 17 0	6136 2 21
...	10 0 0	15 10 0	...	10 0 0	12 8 0	...	...	...
...	28 15 1	35 14 18	...	3 0 0	3 16 18	...	...	...
...	...	...	...	6 0 0	5 11 6	...	...	...
...	500 0 0	374 17 0	...	600 0 0	494 7 0	*136 12 0	...	...
...	71 0 0	144 0 0	...	101 0 0	181 14 0	...	64 0 0	194 19 12
...	...	...	...	38 0 0	17 1 0	...	...	...
...
...	4 0 0	10 4 6	27 11 0	11 0 0	3 2 0	...	...	...
...	19 5 0	43 14 6	...	42 10 0	76 11 0	...	20 0 0	73 10 0
...
...	90 2 0	80 15 0	...	39 0 0	44 18 0	...	20 5 0	10 1 0
...	...	...	...	13 0 0	4 15 0	...	...	...
...	...	...	...	7 0 0	4 0 0	...	...	...
...	...	...	...	16 0 0	17 9 0	...	12 0 0	1 5 0
...	...	...	...	...	cy. ¹ 1 19 0	...	20 0 0	22 15 0
...
...	20 0 0	10 11 12	...	20 0 0	8 5 12	**109 15 0	...	...
...	...	...	...	16 0 0	11 16 0	...	...	...
...	...	...	...	...	...	**563 4 5	...	...
...	...	...	...	...	...	**810 12 12	...	...
...	8140 13 1	7409 7 10	62 7 6	10712 10 0	8540 11 19	1620 3 17	9629 2 0	6438 13 9

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	...	...	...	55 0 0	95 4 20	1 14 15	3 19 9
...	...	...	...	79 12 0	22 5 18	0 5 14	3 17 10½
...	50 0 0	12 15 0	...	50 0 0	12 15 0	0 5 2	3 15 0
...	20 0 0	4 11 21	...	20 0 0	4 11 21	0 4 14	...
...	...	...	...	50 0 0	44 16 2	0 17 22	3 17 5
...	...	...	...	163 0 0	93 10 12	0 12 2	...
...	216 0 0	253 10 0	...	261 0 0	315 14 0	1 4 4	...
...	40 0 0	80 0 0	...	40 0 0	80 0 0	2 0 0	...
...	55 0 0	8 7 0	...	55 0 0	8 7 0	0 3 0	...
...	9955 0 0	3207 19 20	...	9955 0 0	3207 19 20	0 6 10	3 10 0
...	50 0 0	21 14 22	...	57 10 0	31 2 22	0 10 20	3 16 8
...	...	...	...	30 0 0	15 11 14	0 10 9	4 0 0
...	...	...	...	58 10 0	105 4 20	1 15 23	...
...	...	...	...	31 0 0	10 1 0	0 6 11	...
...	154 0 0	448 18 0	...	154 0 0	448 18 0	2 18 7	...
...
...	890 0 0	380 0 21	...	1864 0 0	754 12 9	0 8 2	3 18 6
...	...	...	...	8 0 0	3 0 0	0 7 12	...
...	1 0 0	500 0 0	8 10 6	1 0 0	500 0 0	...	...
...	36 15 0	108 0 0	...	42 3 0	124 7 0	2 18 14	...
...	542 15 0	1349 7 3	...	542 15 0	1349 7 3	2 9 17	3 18 3
...	11 0 0	6 0 0	...	11 0 0	6 0 0	0 10 21	...
...	157 0 0	266 9 0	...	432 0 0	530 16 5	1 4 13	3 15 0
...	7 0 0	5 17 6	...	50 10 0	88 6 4	1 14 23	...
...	1 0 0	1 7 0	...	1 0 0	1 7 0	...	...
...	...	...	...	38 10 0	37 10 0	0 19 11	3 17 6
...	647 15 0	514 19 12	...	1575 15 0	1081 0 0	0 13 17	3 6 8
...
...	35 0 0	20 4 0	...	40 0 0	21 7 0	0 10 16	...
...	40 0 0	83 12 6	...	40 0 0	83 12 6	2 1 19	...
...	260 0 0	332 19 12	...	326 10 0	412 10 21	1 5 6	4 0 0
...	...	...	...	31 0 0	19 3 0	0 12 8	3 5 0
...	157 0 0	137 16 0	...	157 0 0	137 16 0	0 17 13	...
...	...	...	...	20 0 0	25 5 0	1 5 6	...
...	1412 0 0	1138 6 0	...	2026 0 0	1414 12 7	0 13 23	3 17 6
...
...	1734 10 0	8432 8 0	...	8821 10 0	18638 19 12	2 2 6	3 17 6
...
...	16472 15 0	17315 3 3	8 10 6	26788 5 0	29725 15 0	...	...

* Dollied.

** Washdirt.

cy.¹ Cyanided from unknown tons.

TABLE No. II.—Return of

Broad Arrow

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
	Carried forward ...	...	8 10 6	10615 10 0	12410 11 21
690w ...	Hill End West ...	...	...	52 6 0	124 2 12
	Hope Mine ...	...	...	5 0 0	1 15 6
999 ...	Jubilee ...	...	...	...	...
1037 ...	Kent ...	...	...	33 6 0	10 5 0
755w ...	Kingsley Hall Junction	...	...	...	...
172w ...	...	Kingsley Hall Reward G.M. Co., N.L.	...	...	...
81w ...	King of the West ...	King of the West G.M. Co., Ltd.	...	850 0 0	60 0 0
1065w ...	Klondyke... ..	...	...	6 0 0	18 4 6
47w, 48w, 49w	...	Lady Bountiful G.M. Co., N.L.	...	560 13 0	1900 10 21
1062w ...	Lady Florence ...	...	...	15 0 0	6 7 18
1068w ...	Lady Rose ...	...	...	14 7 0	8 4 0
56w, 75w, 122w	Liberty Leases ...	...	...	...	...
76w ...	Light of the Swan ...	...	...	60 0 0	33 14 0
978w ...	...	Minnie Palmer South G.M. Co.	...	30 0 0	10 12 0
44w ...	...	Mona Gold Mining Co., Ltd.	...	110 0 0	124 4 0
45w ...	Mt. Corlic ...	...	...	1187 0 0	724 13 13
17w ...	Mt. Pleasant ...	...	31 9 6	10 0 0	31 4 6
19w ...	...	Nerrin Nerrin G.M. Co.	...	...	...
979w, 980w	...	Black Flag Consd. G.Ms., Ltd. (late New Flag G.M. Co.)	...	...	...
998w ...	Ophir ...	...	40 0 0	...	...
57w, 53w	...	Paddington Consols, Ltd. ...	...	15990 0 0	8106 12 0
736w ...	Pleasure Bound ...	...	...	...	...
911w ...	Pootilla ...	...	...	57 0 0	47 12 13
291w ...	Pride of Arrow ...	...	...	...	...
	Quartz Claim (Hunter)	...	...	22 0 0	11 11 0
227w ...	Queen of Beauty ...	...	...	41 0 0	36 3 0
888w ...	...	Queen of Queens G.M. Co.	...	...	...
1002w ...	Queen Victoria ...	...	...	56 0 0	17 14 0
134w, 135w	...	Northam Milling and Mining Co., Ltd. (late Railway G.M. Co.)	...	...	...
1070w ...	Reform ...	...	26 6 0	46 0 0	51 15 12
84w, 85w, 119w	...	Royal Standard G.M. Co. ...	...	289 0 0	111 3 12
176w ...	Rose and Swan ...	...	...	55 0 0	44 1 0
982w ...	Rose and Swan South ...	...	...	20 0 0	27 18 0
1041w ...	Roseberry ...	...	...	11 0 0	5 12 3
1046w ...	Rose Extended ...	...	...	34 15 1	41 6 0
603w, 617w	Stacks of Gold and Golden Stacks	...	...	...	...
1047w ...	Star of W.A. ...	...	136 12 0	1100 0 0	869 4 0
131w ...	South Star ...	...	...	268 12 0	587 5 0
1043w ...	Struck Oil ...	...	...	38 0 0	17 1 0
147w (909)	Surbiton ...	...	...	...	...
77w ...	Surprise ...	...	...	...	...
	Surprise Q.C. ...	...	...	11 0 0	3 2 0
1071w ...	Taipo ...	...	27 11 0	4 0 0	10 4 6
745w ...	Talisman North ...	Talisman Mines, Ltd.	...	...	...
1027w ...	Walhalla ...	...	...	95 5 0	239 11 6
968w ...	Vettersburg ...	...	...	...	...
643w ...	Victory ...	...	...	10 0 0	22 3 0
1080w ...	Volunteer ...	...	...	20 5 0	10 1 0
165w ...	Meteor ...	W.A. Gold Concessions, Ltd.	...	157 2 0	161 19 10
1054w ...	W.A. Money Market ...	...	...	13 0 0	4 15 0
1013w ...	Wainui ...	...	...	...	...
	Wanderer Q.C. ...	...	...	7 0 0	4 0 0
1090w ...	Wait-a-Bit ...	...	...	12 0 0	1 5 0
325w ...	Wycheproof ...	...	...	36 0 0	42 3 0
779w ...	...	Windermere North G.M., Co.	...	5 0 0	3 3 18
39w ...	Zoroastrian ...	Zoroastrian G.Ms., Ltd.	...	...	...
	Public crushings from Sundry parcels treated	other mines ...	...	20 0 0	10 11 12
	Do. do.	at Hannan's Reward, Ltd. ...	109 15 0	20 0 0	8 5 12
	Do. do.	at Half Mile Reef, Ltd. ...	...	16 0 0	11 16 0
	Do. do.	at Lake View South ...	563 4 5	...	...
	Do. do.	at Seabrook (Northam) ...	810 12 12	...	...
			1754 0 5	32004 1 1	25972 8 9
		‡ Ounces from unknown tons Credo G.Ms., Ltd.	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

TOTAL PREVIOUS TO 1893.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz. £ s. d.
Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.	Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.	Average per ton treated. ozs. dwts. grs.	
...	16472 15 0	17315 3 3	8 10 6	26788 5 0	29725 15 0		
...	17 10 0	258 3 9	...	69 16 0	382 5 21	5 9 14	3 13 3
...	...	...	...	5 0 0	1 15 6	0 7 1	
...	8 13 0	8 1 0	...	8 13 0	8 1 0	0 18 14	
...	5 0 0	5 5 0	...	38 6 0	15 10 0	0 8 2	3 12 6
...	1 0 0	1 0 0	...	1 0 0	1 0 0	1 0 0	
...	30 0 0	16 0 0	...	30 0 0	16 0 0	0 10 16	
...	...	...	...	850 0 0	60 0 0	0 1 9	
...	...	...	...	6 0 0	18 4 6	3 0 17	3 17 10
...	2187 0 0	2557 12 9	...	2747 13 0	4458 3 6	1 12 0	3 15 0
...	...	...	...	15 0 0	6 7 18	0 8 12	3 12 6
...	...	...	...	14 7 0	8 4 0	0 11 3	3 17 6
...	298 18 0	425 18 0	...	298 18 0	425 18 0	1 8 11	
...	...	...	...	60 0 0	33 14 0	0 11 5	
...	...	...	...	30 0 0	10 12 0	0 7 1	
...	...	...	...	110 0 0	124 4 0	1 2 13	3 17 6
...	24 0 0	29 0 0	...	1211 0 0	753 13 13	0 12 10	3 11 6
...	...	...	31 9 6	10 0 0	31 4 0	3 2 9	
...	326 0 0	88 8 0	...	326 0 0	88 8 0	0 5 10	3 14 10½
...	105 0 0	114 5 12	...	105 0 0	114 5 12	1 1 15	
20 0 0	...	...	60 0 0	...	...	...
...	...	...	...	15990 0 0	8106 12 0	0 10 3	3 16 9
...	30 2 0	35 0 0	...	30 2 0	35 0 0	1 3 6	
...	10 0 0	20 18 6	...	67 0 0	68 10 19	1 0 11	
...	25 0 0	26 8 0	...	25 0 0	26 8 0	1 1 2	
...	...	...	...	22 0 0	11 11 0	0 10 12	
...	10 0 0	10 15 0	...	51 0 0	46 18 0	0 18 9	3 12 0
...	50 0 0	50 0 0	...	50 0 0	50 0 0	1 0 0	
...	...	...	...	56 0 0	17 14 0	0 6 7	3 17 6
...	122 0 0	77 7 0	...	122 0 0	77 7 0	0 12 16	3 10 6
...	...	...	26 6 0	46 0 0	51 15 12	1 2 12	3 12 6
...	324 2 0	110 10 0	...	613 2 0	221 13 12	0 7 5	
...	...	...	...	55 0 0	44 1 0	0 16 13	3 12 0
...	...	...	...	20 0 0	27 18 0	1 7 21	
...	...	...	...	11 0 0	5 12 3	0 10 4	
...	...	...	...	34 15 1	41 6 0	1 3 18	4 0 0
...	2 10 0	1 10 0	...	2 10 0	1 10 0	0 12 0	
...	133 0 0	1001 4 0	136 12 0	1233 0 0	1870 8 0	1 10 8	
...	125 0 0	577 12 0	...	393 12 0	1164 17 0	2 19 4	4 0 0
...	51 0 0	74 0 0	...	89 0 0	91 1 0	1 0 12	3 19 0
...	10 0 0	18 0 0	...	10 0 0	18 0 0	1 16 0	
...	35 0 0	30 8 0	...	35 0 0	30 8 0	0 17 8	
...	...	...	...	11 0 0	3 2 0	0 5 15	
...	...	...	27 11 0	4 0 0	10 4 6	2 11 1	3 18 3
...	506 0 0	64 0 0	...	506 0 0	64 0 0	0 2 12	3 17 6
...	100 0 0	185 6 0	...	195 5 0	424 17 6	2 3 12	3 17 6
7 4 0	...	...	7 4 0	10 0 0	22 3 0	2 4 7	
...	...	...	...	20 5 0	10 1 0	0 9 22	4 0 0
...	28 0 0	36 5 12	...	185 2 0	198 4 22	1 1 10	
...	...	...	...	13 0 0	4 15 0	0 7 7	3 12 6
...	23 0 0	14 11 15	...	23 0 0	14 11 15	0 12 16	
...	...	...	...	7 0 0	4 0 0	0 11 10	
...	...	...	...	12 0 0	1 5 0	0 2 1	
...	...	...	...	36 0 0	42 3 0	1 3 10	
...	...	...	...	5 0 0	3 3 18	0 12 18	
...	112 0 0	164 0 0	...	112 0 0	164 0 0	1 9 6	4 0 0
...	...	...	...	20 0 0	10 11 12	0 10 13	
...	...	...	109 15 0	20 0 0	8 5 12	0 8 6	
...	...	...	...	16 0 0	11 16 0	0 14 18	
...	...	...	563 4 5	...	...	...
...	...	...	810 12 12	...	...	...
27 4 0	21172 10 0	23316 11 18	1781 4 5	53176 11 1	49289 0 3	0 18 17	
...	...	250 0 0	...	...	250 0 0		

TABLE NO. II.—Return of
North-East Coolgardie
KANOWNA

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. grs.	Gold therefrom. ozs. dwts. grs.
785x	Alberta ... ..	...	...	...	...
35x, 64x, 345x	...	Ballarat and Prince Oscar ...	...	...	...
824x	Black Swan ... ..	...	...	...	...
92x, 96x ... ..	...	Bonnie Charlie G.M. Co. ...	...	...	...
129x, 216x ... ..	...	Bonnie Charlie Central ...	...	...	...
624x ... ..	...	Bulletin G.M. Co. (N.L.) ...	...	...	...
249x	Called Back ... ..	...	...	...	...
273x	Called Back South ... ..	...	...	...	...
434x	Camelia ... ..	...	...	...	...
856x	Commonwealth ... ..	...	...	...	...
838x	Cosmopolite ... ..	...	...	...	...
844x	Diamond Jubilee ... ..	...	...	52 0 0	105 7 0
869x	Diamond Jubilee Extd. ... ..	...	...	...	...
259x	Doyle ... ..	...	...	...	...
784x	Fitzroy Cement ... ..	...	...	50 0 0	258 0 0
40x ... ..	...	Fitzroy G.M. Co. ...	...	...	...
287x, 338x, 344x	...	General Gordon G.M. Co. ...	...	...	...
397x, 392x	Gippsland Group ... ..	...	...	...	...
83x, 180x, 200x, 201x	...	Golden Cement Claims ...	...	716 0 0	414 0 0
38x, 55x ... ..	...	Golden Crown, Ltd. ...	...	...	...
75x	Golden Feather ... ..	...	...	...	...
835x	Golden Puzzle ... ..	...	...	...	...
696x	Golden Rainbow ... ..	...	...	...	...
680x	Golden Rod ... ..	...	...	...	...
367x, 510x, 821x	...	Golden Valley Mines ...	...	526 0 0	222 7 0
687x	Great Day Dawn ... ..	...	...	...	...
555x	Great Sensation North ... ..	...	...	...	...
149x ... ..	...	Hit or Miss Proprietary ...	...	...	...
139x, 720x, 721x	...	Hodgkinson G.M. Co., Ltd. ...	...	...	...
871x	Homeward Bound ... ..	...	...	51 1 0	51 3 0
832x	Jubilee ... ..	...	...	...	...
134x, 285x, 639x, 808x	...	Kanowna Carbine G.M. Co. ...	...	32 0 0	27 7 0
808x ... ..	...	Do. do. ...	...	...	...
837x	Kincener and party	Kanowna Champion Lode ...	...	...	...
187x, 456x	Koh-I-Nor ... ..	...	...	...	...
...	Last Chance	London and Coolgardie Ex- plorers ...	...	...	...
727x	Laurel ... ..	...	...	...	...
18x, 19x, 314x	...	Lily Australis G.Ms., Ltd. ...	...	...	...
385x	Lord Granville No. 1 North-East ... ..	...	...	...	...
846x	Mt. Eba ... ..	...	...	14 0 0	14 5 12
822x	New Chum ... ..	...	...	...	...
3x, 46x, 60x, 81x, 187x, 181x, 182x, 203x	...	North White Feather Con- solidated ...	...	...	...
39x, 160x	North Golden Crown ... ..	...	...	...	...
867x	Onawe ... ..	...	...	...	...
681x	Primrose ... ..	...	...	...	...
523x	Rising Star ... ..	...	...	...	...
141x, 289x	Rising Sun ... ..	...	...	...	...
52x, 68x, 185x, 213x	...	Robinson Gold Mining Co. ...	...	1635 0 0	874 2 16
857x	Rose's Find ... ..	...	...	...	...
122x ... ..	...	Shamrock G.M. Co., Ltd. ...	...	...	...
392x, 394x, 396x	South Gippsland ... ..	...	...	356 0 0	309 10 18
760x	Springbank ... ..	...	...	...	...
194x	Sunbeam ... ..	...	...	108 0 0	273 5 0
864x	Turn of the Tide ... ..	...	...	...	...
834x	Vanity ... ..	...	...	...	...
848x	Vanity North ... ..	...	...	25 0 0	23 11 0
153x ... ..	...	Waldon's Find G.M., Ltd. ...	...	...	...
5x ... ..	...	White Feather Extd. Ltd. ...	...	...	...
12x, 13x, 14x, 15x	...	White Feather Main Reefs Gold Mines, Ltd. ...	...	2756 0 0	1588 17 9
1x, 9x, 10x, 72x, 431x	...	White Feather Reward Claim, Ltd. ...	...	1763 0 0	745 19 18
847x ... ..	...	Whitehead's Find ...	...	17 0 0	47 13 0
...	Sundry parcels crushed	at Crook's Battery ...	...	...	...
...	...	Quartz from Leases ...	...	8101 1 0	4955 9 1
...	<i>Treated locally at—</i>	...	...	...	...
...	Golden Crown ... ..	...	...	...	...
...	Golden Valley ... ..	...	...	...	...
...	Haacksville ... ..	...	...	...	...
...	Kanowna Carbine ... ..	...	...	...	...
...	Machinery Area No. 17 ... ..	...	...	...	...
...	Machinery Area No. 21 ... ..	...	...	...	...
...	Nemesis ... ..	...	...	...	...
...	Old Cement ... ..	...	...	...	...
...	Q.E.D. ... ..	...	...	...	...
...	Robinson ... ..	...	...	...	...
...	Shamrock ... ..	...	...	...	...
...	Tremain ... ..	...	...	...	...
...	Waldon's Find ... ..	...	...	...	...
...	White Feather Reward ... ..	...	...	...	...
...	From unknown sources ... ..	...	...	...	...
...	...	¶ Cement from alluvial claims	...	...	...
...	Carried forward ... ..	...	...	8101 1 0	4955 9 1

¶ Exigencies of space necessitate the inclusion of these returns under the heading of "Ore treated."

Goldfield.
DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
...
...	17 0 0	24 16 8	...	85 0 0	30 19 0	...	140 0 0	79 13 11
...	36 0 0	26 12 12	...	...	...	...	60 10 0	38 4 0
...	49 15 0	11 7 2	...	...	...	...	...	...
...
...	...	...	...	125 0 0	231 17 0	...	40 0 0	60 6 0
...	...	...	...	20 0 0	2 0 0	...	...	...
...	42 0 0	25 12 17	...	...	...	...	...	...
...	57 10 0	134 4 0	...	25 0 0	13 18 0	...	40 0 0	67 2 0
...	...	...	...	...	...	...	22 10 0	13 0 0
...	63 0 0	370 12 6	...	...	...	...	23 0 0	73 17 0
...	28 0 0	88 0 0	...	...	...	...	...	cy ¹ 0 17 0
...
...	574 0 0	336 13 0	...	950 0 0	392 14 0	...	989 0 0	371 19 12
...	47 0 0	121 4 0	...	35 0 0	18 19 18	...	44 0 0	43 14 0
...	26 0 0	8 3 18	...	...	...	...	...	...
...
...	530 0 0	187 5 12	...	98 0 0	42 12 6	...	258 0 0	111 2 13
...
...	11 10 0	24 16 0	...	...	...	...	81 0 0	47 17 0
...	30 0 0	33 0 0	...	...	...	...	127 0 0	65 13 0
...	...	con ¹ 58 0 0	...	...	cy ² 56 6 9	...	...	cy ³ 125 8 0
...	8 10 0	9 19 0	...	12 0 0	1 3 0	...	...	...
...	10 0 0	6 18 0	...	...	...	...	25 0 0	11 8 0
...	...	...	...	160 10 0	204 6 13	...	376 0 0	421 0 1
...	...	...	...	11 0 0	6 10 0	...	35 0 0	22 11 0
...
...	...	...	...	27 15 0	15 9 12	...	52 0 0	10 10 0
...	95 0 0	65 18 6	...	370 0 0	262 1 0	...	47 10 0	50 0 0
...	...	...	...	...	§ 4 4 15	...	...	...
...	...	...	...	...	...	...	39 0 0	18 5 0
...	...	...	...	58 0 0	45 13 14	...	66 0 0	90 4 0
...	...	...	...	...	...	...	50 0 0	17 17 0
...	777 0 0	224 10 12	...	58 0 0	15 18 0	...	78 0 0	41 17 0
...	...	...	...	...	...	*6 10 0	10 0 0	2 13 0
...	297 0 0	273 3 0	...	284 0 0	297 9 0	...	332 0 0	378 12 0
...	50 0 0	36 0 0	...	...	...	...	...	...
...	139 0 0	317 17 12	...	61 0 0	109 6 0	...	76 0 0	73 15 0
...	...	...	...	...	con ⁴ 5 3 0	...	10 0 0	11 2 0
...	12 10 0	14 10 0	...	...	...	...	...	...
...	306 1 0	187 11 18	...	...	...	...	...	...
...	1670 0 0	2089 0 22	...	3200 0 0	3854 10 0	...	38 0 0	48 7 6
...	335 0 0	144 12 0	...	...	49 11 12	...	2586 0 0	2290 8 0
...	...	pl ¹ 335 19 1	...	86 0 0	pl ¹ 10 8 8	...	85 0 0	43 16 12
...	...	...	...	...	§ 1 5 12	...	...	con ² 12 18 6
*22 0 0	16 10 0	53 18 12	...	...	...	...	17 0 0	26 11 0
...	...	...	...	5 0 0	12 10 0	...	...	...
22 0 0	5228 6 0	5210 5 14	...	5671 5 0	5684 15 23	6 10 0	5747 10 0	4670 8 13
...	623 0 0	500 14 14	...	940 1 21 ³ / ₈	522 11 18	...	787 0 0	542 16 17
...	376 10 0	755 13 5	...	1160 4 0	934 13 8	...	1543 0 0	1503 7 16
...	767 14 0	1509 17 3	...	1149 0 0	2829 4 0	...	575 0 0	549 19 2
...	...	...	...	470 0 0	700 0 0	...	583 0 0	653 16 0
...	686 10 0	1010 1 0	...	718 5 0	433 3 0	...	726 0 0	995 15 12
...	...	...	...	41 0 0	40 3 18	...	48 0 0	35 0 0
...	1319 19 0	1868 16 8	...	2275 0 0	3119 13 16	...	161 10 0	137 4 0
...	84 3 0	14 2 6	...	1206 0 0	1492 6 12	...	312 0 0	292 7 0
...	167 0 0	161 4 0	...	132 10 0	56 1 9	...	861 0 0	595 13 0
...	...	...	...	603 10 0	396 19 7	...	1943 0 0	1618 4 11
...	4024 16 0	5820 8 12	...	174 0 0	342 14 0	...	2354 0 0	2336 19 6
...	...	...	...	8869 10 21 ³ / ₈	10867 10 16	...	984 0 0	1031 1 22
22 0 0	9253 2 0	11030 14 2	...	14540 15 21 ³ / ₈	16552 6 15	6 10 0	10877 10 0	con ³ 10 3 12

* Dollied. § Scrapings. cy¹ From 10 tons tailings. cy² No tonnage stated. cy³ From 484 tons tailings. con¹ From 45 tons.
con² From 12 tons. con³ From 9 tons. con⁴ No tonnage stated. pl¹ From plates.

North-East Coolgardie

KANOWNA

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Brought forward ...			6739 16 0	5100 6 14
846x ...	Mt. Eba ...			93 15 0	40 5 0
822x ...	New Chum ...			47 10 0	50 0 0
3x, 46x, 60x, 81x, 137x, 181x, 182x, 203x		North White Feather Con- solidated		465 0 0	332 3 21
39x, 160x ...	North Golden Crown ...				
867x ...	Onawe ...			39 0 0	18 5 0
681x ...	Primrose ...			124 0 0	135 17 14
523x ...	Rising Star ...				
141x, 289x ...	Rising Sun ...			50 0 0	17 17 0
52x, 68x, 185x, 213x		Robinson Gold Mining Co.		2548 0 0	1156 8 4
857x ...	Rose's Find ...		6 10 0	10 0 0	2 13 0
122x ...		Shamrock G.M. Co., Ltd.			
392x, 394x, 396x	South Gippsland			1269 0 0	1258 14 18
760x ...	Springbank ...			50 0 0	36 0 0
194x ...	Sunbeam ...			384 0 0	779 6 12
864x ...	Turn of the Tide...			10 0 0	11 2 0
834x ...	Vanity ...			12 10 0	14 10 0
848x ...	Vanity North ...			25 0 0	23 11 0
153x ...		Waldon's Find G.M., Ltd.		306 1 0	187 11 18
5x ...		White Feather Extd., Ltd.		38 0 0	48 7 6
12x, 13x, 14x, 15x ...		White Feather Main Reefs Gold Mines Ltd.		10212 0 0	9822 16 7
1x, 9x, 10x, 72x, 431x		White Feather Reward Claim, Ltd.		2269 0 0	1344 10 21
847x ...		Whitehead's Find ...	22 0 0	50 10 0	128 2 12
	Sundry parcels crushed	at Crock's Battery ...		5 0 0	12 10 0
		Quartz from leases ...	28 10 0	24748 2 0	20520 19 3
	<i>Treated locally at:</i>				
	Golden Crown ...			2350 1 2 $\frac{1}{2}$ ⁸	1566 3 1
	Golden Valley ...			3079 14 0	3193 14 5
	Haacksville ...			575 0 0	549 19 2
	Kanowna Carbine ...			2499 14 0	4992 17 3
	Machinery Area No. 17 ...			1196 0 0	1695 15 12
	Machinery Area No. 21 ...			48 0 0	35 0 0
	Nemesis ...			1566 5 0	1580 8 0
	Old Cement ...			353 0 0	332 10 18
	Q.E.D. ...			861 0 0	595 13 0
	Robinson ...			4218 0 0	4737 18 3
	Shamrock ...			4879 19 0	5698 2 2
	Tremain ...			84 3 0	14 2 6
	Waldon's Find ...			132 10 0	56 1 9
	White Feather Reward			1754 10 0	1599 8 17
	From unknown sources...			174 0 0	342 14 0
		¶Cement from alluvial claims		23771 16 2 $\frac{1}{2}$ ⁸	26990 7 6
	<i>Treated outside District at:</i>				
	Great Boulder No. 1 ...	Boulder ...		1989 10 0	2358 4 12
	Hannan's Reward ...	Kalgoorlie ...		5154 7 0	9508 1 10
	Haycraft ...			272 10 0	730 2 15
	Kalgoorlie Crushing and Cyanide Co.	Hannan's Lakes ...		582 17 0	675 5 8
	Kalgoorlie Mint and Iron King	Boulder ...		529 0 0	849 6 6
	Lake View South ...	Boulder ...		6042 15 0	14789 6 15
	Leviathan ...			526 0 0	1104 0 0
	Seabrook ...	Northam Mining and Milling Co.		3838 0 0	3531 13 2
		¶Cement from alluvial claims		18934 19 0	33545 19 20
	Small parcels quartz crushed at ...	Golden Puzzle Battery ...		44 10 0	136 15 0
	Do. do. ...	Haacksville Battery ...		18 0 0	17 7 0
	Do. do. ...	Kanowna Carbine Battery ...		14 0 0	182 0 0
	Do. do. ...	Nemesis Battery ...		25 0 0	21 5 0
	Do. do. ...	Shamrock Battery ...		8 10 0	13 12 0
				110 0 0	370 19 0
		¶Cement from alluvial claims		3276 9 0	7647 3 20
	Nemesis Battery	Public Crushings (quartz)			
			28 10 0	70841 6 2 $\frac{1}{2}$ ⁸	89075 9 1
		ADLUVIAL ...	63541 10 10		

* Exigencies of space necessitate the inclusion of these returns under the heading of "Ore treated."

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.						TOTAL GOLD PRODUCTION.						Mmt Value of Gold per Oz.											
Dollied and Specimens.		Ore treated.		Gold therefrom.		Dollied and Specimens.		Ore treated.		Gold therefrom.		Average per ton treated.											
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	£	s.	d.								
296	4	12	7148	1	0	5490	7	16	296	4	12	13887	17	0	10590	14	6						
...	93	15	0	40	5	0	0	8	14			
...	21	0	0	43	2	0	...	...	...	68	10	0	93	2	0	1	7	4		
...	465	0	0	332	3	21	0	14	6			
...	87	0	0	18	0	0	...	...	...	87	0	0	18	0	0	0	4	3		
...	39	0	0	18	5	0	0	9	8			
...	50	0	0	50	0	0	...	...	...	124	0	0	135	17	14	1	1	21		
...	50	0	0	25	0	0	...	...	...	50	0	0	50	0	0	1	0	0		
...	6252	0	0	9034	17	12	...	...	...	100	0	0	42	17	0	0	8	13		
...	8800	0	0	10191	5	16	1	3	3			
...	253	0	0	42	15	0	6	10	0	10	0	0	2	13	0	0	5	7			
...	253	0	0	42	15	0	0	3	9			
...	1269	0	0	1258	14	18	0	19	20			
...	209	0	0	401	13	6	...	...	...	50	0	0	36	0	0	0	14	9		
...	593	0	0	1180	19	18	1	19	19			
...	5	0	0	5	3	9	...	...	...	10	0	0	11	2	0	1	2	4		
...	2	0	0	8	10	0	...	...	...	17	10	0	19	13	9	1	2	11		
...	540	0	0	656	4	6	...	...	...	27	0	0	32	1	0	1	3	17		
...	108	0	0	80	14	12	...	...	...	846	1	0	843	16	0	0	19	22		
...	2825	0	0	2199	7	18	...	...	...	146	0	0	129	1	18	0	17	16		
...	13037	0	0	12022	4	1	0	18	10			
...	9763	0	0	||10119	0	4	12032	0	0	11463	11	1	0	19	1
...			
...	22	0	0	50	10	0	128	2	12	2	10	17			
...	5	0	0	12	10	0	2	10	0			
296	4	12	27313	1	0	28174	15	11	324	14	12	52061	3	0	48695	14	14						
...	2350	1	21 ⁹ / ₃₂	1566	3	1	0	13	7			
...	3079	14	0	3193	14	5	1	0	17			
...	575	0	0	549	19	2	0	19	3			
...	2499	14	0	4992	17	3	1	19	22			
...	1196	0	0	1695	15	12	1	8	8			
...	48	0	0	35	0	0	0	14	14			
...	1566	5	0	1580	8	0	1	0	4			
...	353	0	0	332	10	18	0	18	20			
...	861	0	0	595	13	0	0	13	20			
...	4218	0	0	4737	18	3	1	2	11			
...	4879	19	0	5698	2	2	1	3	8			
...	84	3	0	14	2	6	0	3	8			
...	132	10	0	56	1	9	0	8	11			
...	1754	10	0	1599	8	17	0	18	5			
...	174	0	0	342	14	0	1	19	9			
...	23771	16	21 ⁹ / ₃₂	26990	7	6			
...	1989	10	0	2358	4	12	1	3	17			
...	5154	7	0	9508	1	10	1	16	21			
...	272	10	0	730	2	15	2	13	1			
...	582	17	0	675	5	8	1	3	3			
...	529	0	0	849	6	6	1	12	2			
...	6042	15	0	14789	6	15	2	8	22			
...	526	0	0	1104	0	0	2	1	23			
...	3838	0	0	3531	13	2	0	18	9			
...	18934	19	0	33545	19	20			
...	44	10	0	136	15	0	3	1	11			
...	18	0	0	17	7	0	0	19	6			
...	14	0	0	182	0	0						
...	25	0	0	21	5	0	0	17	0			
...	8	10	0	13	12	0	1	12	0			
...	110	0	0	370	19	0						
...	3276	9	0	7647	3	20	2	6	16
...	52	10	0	69	0	0	1	6	5
...	52	10	0	||69	0	0	...	...	...	...	...	...	...	...	...	...	...	...
296	4	12	27365	11	0	28243	15	11	324	14	12	98206	17	21 ⁹ / ₃₂	117319	4	12	1	3	21			
10611	18	10	...	...	...	...	...	...	74153	8	20	...	...	...	...	...	...	...	...	...

TABLE No. II.—Return of
North-East Coolgardie
BULONG

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
679Y	Black Hill ... ..	...	...	...	...
615Y ... ..	...	Bulong Mining, Tramway, and Ore Reduction Com- pany, W.A., Limited	...	40 0 0	7 0 0
500Y	{ Fremantle ... ..	...	...	...	...
83Y	{ Fremantle Extn. South	...	...	...	...
362Y, 363Y	Green Lode ... ..	...	190 0 0	118 12 0	...
507Y ... ..	...	Great Eastern G.M. Co., N.L.	...	...	...
70Y ... ..	...	Great Oversight G.M. Co., No-Liability	...	...	...
22Y, 42Y ... ..	...	Great Reefs, Limited ...	...	...	...
11Y, 36Y ... ..	...	Melbourne United G.M. Company, No-Liability	...	40 9 0	9 19 0
204Y	Mount Alexander ... ..	...	...	...	...
637Y	Mount Craig ... ..	...	...	...	...
688Y	Ninety-eight ... ..	...	...	...	...
673Y	Providence ... ..	...	...	...	...
74Y, 564Y ... ..	...	Princess Margaret G.M., Co.	...	632 0 0	1097 15 0
9Y	Queen Margaret	Queen Margaret G.M. Com- pany, Limited	...	1133 15 0	1224 2 6
142Y	Queen Margaret West {	Queen Margaret South G.M. Company, No-Liability	...	...	...
95Y ... ..	...	Queen Margaret South Ex- tended Co., No-Liability	...	...	...
595Y ... ..	...	Trafalgar G.M. Company ...	...	...	...
506Y, 558Y ... ..	...	...	...	...	...
14Y	White Horse ... ..	...	†229 15 0	...	...
	Sundry Claims ... ..	...	...	...	...
		Total	229 15 0	2036 4 0	2457 8 6
	ALLUVIAL ... ..	...	...	...	...

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
679Y	Black Hill ... ..	...	...	51 10 0	54 13 0
615Y ... ..	...	Bulong Mining, Tramway, and Ore Reduction Com- pany, W.A., Limited	...	40 0 0	7 0 0
500Y	{ Fremantle ... ..	...	...	...	...
83Y	{ Fremantle Extn. South	...	...	...	...
362Y, 363Y	Green Lode ... ..	...	190 0 0	118 12 0	...
507Y ... ..	...	Great Eastern G.M. Co., N.L.	...	...	...
70Y ... ..	...	Great Oversight G.M. Co., No-Liability	...	...	...
22Y, 42Y ... ..	...	Great Reefs, Limited ...	...	...	...
11Y, 36Y ... ..	...	Melbourne United G.M. Company, No-Liability	...	40 9 0	9 19 0
204Y	Mount Alexander ... ..	...	...	...	...
637Y	Mount Craig ... ..	...	...	...	...
688Y	Ninety-eight ... ..	...	70 0 0	34 10 0	81 15 4
673Y	Providence ... ..	...	...	5 0 0	2 2 12
74Y, 564Y ... ..	...	Princess Margaret G.M. Co.	...	632 0 0	1097 15 0
9Y	Queen Margaret	Queen Margaret G.M. Com- pany, Limited	...	6969 10 0	8839 8 19
142Y	Queen Margaret West {	Queen Margaret South G.M. Company, No-Liability	...	28 0 0	148 8 0
95Y ... ..	...	Queen Margaret South Ex- tended G.M. Co., N.L.	...	151 0 0	69 18 14
595Y ... ..	...	Trafalgar G.M. Company ...	...	...	...
506Y, 558Y ... ..	...	...	...	...	...
14Y	White Horse ... ..	...	801 1 0	165 0 0	90 10 0
	Sundry claims ... ..	...	64 19 0	...	...
		Total	936 0 0	8306 19 0	10520 2 1
	ALLUVIAL ... ..	...	4299 9 0	...	...

† Specimens.

TABLE NO. II.—Return of
North-East Coolgardie
KURNALPI

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
221k	Bravo ... ..	...	...	...	...
228k	Brophy's Kurnalpi Consols	Brophy's Kurnalpi Consols G.M. Co., N.L.	...	...	...
242k	Federal ... ..	...	...	...	...
40BK (665E)	Fenian ... ..	...	...	...	...
160k	Harriet ... ..	...	...	...	...
230k	Hayden's Hope ... ..	...	+ 44 12 0	...	...
220k	Jubilee Gift South	Jubilee Gift South G.M. Syndicate	...	19 0 0	34 17 0
22k ... ..	...	Kurnalpi G.M. Co., Ltd.	...	22 0 0	13 0 0
39AK, 97k, 168k	...	Leviathan G.M. Co., Ltd.	...	133 0 0	46 14 0
40EK	Lord Salisbury ... ..	...	...	...	...
137k	Iron Prince	Mountain Maid and Iron Prince G.Ms., Ltd.	+ 106 9 12	...	...
16k	Mountain Maid	Do. do.	...	...	...
50k, 113k	Mt. Simon Mines	...	...	...	...
224k	Pride of the East	...	...	...	...
25k	Scottish Lass	Hampton Gold Hill Mines, Ltd.	...	...	...
207k	Success	Leviathan G.M. Co., Ltd.	...	...	...
		Total	151 1 12	174 0 0	94 11 0
		From Alluvial Claims ...	257 0 0	...	...

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
221k	Bravo ... ..	...	...	0 1 0	0 13 4
228k	Brophy's Kurnalpi Consols	Brophy's Kurnalpi Consols G.M. Co., N.L.	...	25 0 0	8 17 0
242k	Federal ... ..	...	...	56 0 0	90 2 0
40BK (665E)	Fenian ... ..	...	...	...	...
160k	Harriet ... ..	...	...	...	...
230k	Hayden's Hope ... ..	...	44 12 0	...	...
220k	Jubilee Gift South	Jubilee Gift South G.M. Syndicate	...	208 0 0	229 10 6
22k ... ..	...	Kurnalpi G.M. Co., Ltd.	...	37 0 0	20 0 0
39AK, 97k, 168k	...	Leviathan G.M. Co., Ltd.	...	209 0 0	55 4 0
40EK	Lord Salisbury ... ..	...	...	3 10 0	28 0 0
137k	Iron Prince	Mountain Maid and Iron Prince G.M. Co., Ltd.	} 106 9 12	90 0 0	121 19 0
16k	Mountain Maid	Do. do.		50 0 0	15 5 12
50k, 113k	Mt. Simon Mines	...	...	8 0 0	3 4 0
224k	Pride of the East	...	...	50 0 0	11 18 0
25k	Scottish Lass	Hampton Gold Hill Mines, Ltd.	...	...	...
207k	Success	Leviathan G.M. Co., Ltd.	...	211 0 0	76 4 0
		Total	151 1 12	947 11 0	660 16 22
		From Alluvial Claims ...	1228 15 20	...	...

+ Specimens.

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	...	...	...	1 0 0	0 13 4	...	...	...
...	...	...	...	25 0 0	8 17 0	...	...	...
...	9 0 0	10 13 0	...	...	...	...	47 0 0	79 9 0
...
...
...	80 0 0	76 0 0	...	19 0 0	13 15 0	...	90 0 0	104 18 6
...	15 0 0	7 0 0	...	...	...	...	...	...
...	76 0 0	8 10 0	...	...	...	...	...	...
...	...	...	...	3 10 0	28 0 0	...	...	...
...	60 0 0	82 0 0	...	...	...	...	...	...
...	...	...	...	30 0 0	39 19 0	...	...	...
...	50 0 0	15 5 12	...	...	...	...	...	...
...	8 0 0	3 4 0	...	...	...	...	...	...
...	...	...	...	50 0 0	11 18 0	...	...	...
...	180 0 0	43 12 0	...	31 0 0	32 12 0	...	...	...
...	478 0 0	246 4 12	...	158 11 0	135 14 4	...	137 0 0	184 7 6
287 0 3	...	...	234 15 17	...	...	450 0 0	...	...

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
...	...	...	...	0 1 0	0 13 4	...	...
...	...	...	...	25 0 0	8 17 0	0 7 1	...
...	...	...	...	56 0 0	90 2 0	1 12 4	...
...	30 0 0	100 0 0	...	30 0 0	100 0 0	3 6 16	...
...	28 0 0	7 0 0	...	28 0 0	7 0 0	0 5 0	...
...	...	...	44 12 0	...	...	...	...
...	...	...	...	208 0 0	229 10 6	1 2 1	3 16 0
...	25 0 0	10 0 0	...	62 0 0	30 0 0	0 9 16	...
...	...	...	...	209 0 0	55 4 0	0 5 6	...
...	...	...	...	3 10 0	28 0 0	8 0 0	3 17 2
...	...	...	106 9 12	90 0 0	121 19 0	2 9 7	...
...	56 0 0	33 2 0	...	106 0 0	48 7 12	0 9 3	...
...	...	...	...	8 0 0	3 4 0	0 8 0	...
...	...	...	...	50 0 0	11 18 0	0 4 18	...
...	55 0 0	10 0 0	...	266 0 0	86 4 0	0 6 11	3 7 6
...	194 0 0	160 2 0	151 1 12	1141 11 0	820 18 22	0 14 9	...
306 0 12	...	...	1534 16 8	...	...	...	...

East Coolgardie

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
12E, 229E ... ..	...	African Gold Recovery Co., Limited	...	4 2 0	4 6 12
38E, 71E, 72E ... ..	...	Associated Gold Mines of W.A., Limited	...	5325 0 0	5127 0 0
853E, 860E, 861E, 922E, 960E, 988E, 999E, 1007E, 1075E	...	Brown Hill Proprietary Gold Mines, Limited	...	sm 1149 1 0	4020 11 0
3519E	Brisbane ... ..	...	...	...	...
281E	Golden Gate	Brookman Bros. Boulder G.M. Co.	...	250 0 0	70 0 0
4E	Cassidys Hill ... ..	...	...	...	...
24E, 949E ... ..	...	Central Boulder Gold Mines W.A., Limited	...	...	...
238E	Complin J. W. Binduli ... ..	...	...	...	...
351E ... ..	...	Croesus North No. 1, Ltd. ... ..	...	...	...
446E, 1069E, 1092E ... ..	...	Golden Horseshoe G.M. Co., Limited	...	...	...
2310E, 2312E, 2313E, 2316E, 2314E, 2315E	...	Golden Link Consolidated Gold Mines, Limited (late Hesperus)	...	...	...
1694E ... ..	...	Golden Ridge W.A. Proprietary, Limited	...	...	...
3522E, ... ..	...	Golden Zone G.M. Co. ... ..	...	...	...
873E ... ..	...	Great Boulder Associated G.M. Co., No-Liability	...	...	...
66E ... ..	...	Great Boulder Main Reef, Limited	...	2150 0 0	3170 18 0
16E, 51E, 61E, 102E, 280E	...	Great Boulder Perseverance G.M. Co., Ltd.	...	2570 0 0	2547 0 0
3643E ... ..	...	Great Boulder Proprietary Gold Mines, Limited	...	sm 506 0 0	1663 0 0
1292E	Hannan's Britannia	Hainault Gold Mines, Ltd.	...	8434 0 0	19545 19 12
6E ... ..	...	Hannan's Block 45, Ltd. ... ..	...	...	...
698E ... ..	...	Hannan's Brown Hill G.M. Co. Company	...	2654 0 0	4614 6 12
739E ... ..	...	Hannan's Croesus G.M. Co., Limited	...	sm 227 0 0	1339 5 10
9E, 37E, 42E ... ..	...	Hannan's Find Gold Reef, Limited	...	...	...
983E, 1393E, 1183E, 1390E	...	Hannan's Golden Groups, Limited	...	...	...
755E	Boko	Hannan's Excelsior Gold Mines, Limited	...	...	...
248E ... ..	...	Hannan's North G.M. Co. ... ..	...	...	...
410E, 532E ... ..	...	Hannan's Oroya G.M. Co., W.A., Ltd.	...	2474 0 0	1239 11 9
97E, 160E	Hannan's Reward ... ..	...	...	1982 0 0	352 2 0
796E ... ..	...	Hannan's Reward N. G.M. Co., Ltd.	...	...	...
501E, 1591E, 2988E ... ..	...	Hannan's Sir John Forrest G.Ms., Ltd.	...	...	...
448E ... ..	...	Hannan's True Blue G.Ms., Ltd.	...	...	...
790E	Maritana West	Harquahala G.M. Co., Ltd.	...	...	...
31E ... ..	...	Ivanhoe Gold Corporation, Limited	...	5233 0 0	8617 8 12
3364E	Ivanhoe Venture	Ivanhoe Venture G.M. Co., N.L.	...	...	...
22E, 34E	¶ Claims on the Ivanhoe Venture Lease—	tons cwts. oz. dwts. grs.	...	...	...
33E	Bray and party	68 10 198 1 0	...	...	...
3047E	Burke and party	82 10 304 15 0	...	...	...
73E, 74E	Powlette and party	96 10 186 9 0	...	...	...
25E, 32E ... ..	...	Kalgurli G.M., Ltd. ... ..	...	...	...
103E ... ..	...	Kalgoorlie Bank of England G.M. Co., Ltd.	...	182 10 0	425 17 9
75E	Kingston ... ..	...	...	23 0 0	15 9 0
3649E ... ..	...	Kalgoorlie Mint and Iron King G.Ms., Ltd.	...	...	...
2E, 279E ... ..	...	...	...	14544 0 0	13554 16 12
2229E ... ..	...	Lake View Consols, Ltd. ... ..	...	...	cy ¹ 7975 13 12
3746E ... ..	...	...	...	...	con ¹ 479 19 22
211E, 212E, 213E, 1653E	...	Lake View Ext. G.Ms., W.A. Ltd.	...	...	...
35E	Livingstone	Lake View South G.Ms., W.A., Ltd.	...	2622 0 0	552 0 0
1769E	Maritana South ... ..	...	...	...	...
225E, 1114E	Michael Angelo Lode ... ..	...	...	...	...
2684E	Mount Charlotte	Mt. Charlotte G.M. Co., Ltd.	...	...	...
3031E ... ..	...	North Boulder G.M. Co., Ltd.	...	2712 0 0	2010 6 0
3349E, 3452E	Pride of Kalgoorlie ... ..	...	...	...	...
...	Reefer's Eureka G.M. Co., Ltd.	...	...	...	...
...	Rosina ... ..	...	...	...	...
...	Trafalgar	Trafalgar G.Ms., Ltd. ... ..	...	...	...
...	...	Victoria United G.M. Co., N.L.	...	...	...
...	...	...	...	52991 13 0	77325 11 2

cy¹ From 10,408 tons tailings.con¹ From 24 tons concentrates.

sm. Smelted.

¶ Exigencies of space necessitate the inclusion of these returns under the heading of ore treated.

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	...	...	...	50 0 0	45 19 9	...	288 3 3	164 14 0
...	5700 0 0	4383 0 0	...	5400 0 0	7750 0 0	...	7900 0 0	con ¹ 4 12 18
...	sm 500 0 0	3250 0 0	...	sm 1010 0 0	3998 0 0	...	sm 720 0 0	7330 0 0
...	...	...	...	...	...	...	...	6050 0
...	...	...	...	1137 0 0	1064 13 0	...	8 10 0	3 14 0
...	...	...	...	...	...	...	748 0 0	388 9 0
...	455 0 0	638 0 0	...	...	...	...	580 0 0	342 0 0
...	...	...	...	25 0 0	25 19 0	...	...	...
...	...	...	...	1480 0 0	4937 0 0	...	9299 0 0	22084 6 12
...	...	...	...	...	...	...	...	cy ² 6951 3 12
...	46 4 0	158 17 5	...	...	...	...	93 0 0	129 14 0
...	...	...	...	7 10 0	16 19 5	...	...	...
...	...	...	...	...	...	...	1891 0 0	1934 2 12
...	2319 0 0	2498 1 0	...	1787 0 0	2835 0 6	...	sm 38 3 2	258 1 3
...	...	cy ³ 1758 9 12	...	...	cy ⁴ 856 17 6	...	...	cy ⁵ 1053 14 0
...	2959 0 0	3249 9 12	...	3675 0 0	4348 0 0	...	4333 0 0	3761 0 0
...	sm 500 0 0	1135 0 0	...	sm 634 0 0	1576 0 0	...	...	...
...	10115 0 0	21314 1 7	...	10419 0 0	19584 14 6	...	12075 0 0	23957 13 6
...
...	...	...	...	136 10 0	224 10 0	...	...	...
...	3119 0 0	7351 4 18	...	8421 0 0	16350 9 18	...	9611 0 0	21238 17 16
...
...	52 0 0	55 10 0	...	520 0 0	505 0 0	...	548 0 0	522 8 4
...
...
...	...	...	...	17 0 0	20 18 17	...	...	...
...	...	...	...	205 0 0	242 14 0	...	...	...
...	3039 0 0	1436 0 19	...	4220 0 0	1732 10 0	...	5679 0 0	2045 8 0
...	...	...	...	415 0 0	780 10 18	...	413 0 0	1030 6 0
...	...	...	...	...	...	...	17 0 0	32 2 0
...
...
...	5558 0 0	8706 1 0	...	5395 0 0	8715 1 12	...	10934 0 0	13976 13 12
...	...	...	...	...	cy ⁶ 4576 2 12	...	...	cy ⁷ 6068 12 0
...	...	...	...	44 0 0	91 12 0	...	...	...
...	...	...	...	¶ 247 10 0	639 5 0	...	...	...
...	sm 245 0 0	2102 0 0	...	...	...	...	...	...
...
...	110 0 0	49 4 12	...	435 0 0	437 5 6	...	...	...
...	16988 0 0	16662 14 12	...	17278 0 0	17006 12 12	...	18451 0 0	13489 16 0
...	...	cy ⁸ 7999 7 0	...	...	cy ⁹ 5949 19 0	...	...	cy ¹⁰ 7255 5 12
...	...	con ² 1006 12 13	...	...	slm ¹ 2292 0 0	...	...	slm ² 2393 18 0
...	...	slm ³ 1521 13 10	...	...	con ³ 114 14 8	...	...	...
...	...	...	...	sm 95 0 0	407 6 7	...	...	...
...	...	...	...	710 0 0	152 5 0	...	...	...
...	1712 0 0	436 1 6	...	...	§ 432 15 0	...	...	...
...	...	...	...	8 0 0	8 10 6	...	...	...
...	...	...	...	...	...	...	87 10 0	67 15 14
...	...	...	...	4 17 0	5 1 15	...	...	...
...	300 0 0	120 3 6	...	880 0 0	246 8 18	...	110 0 0	40 5 17
...	2186 0 0	2165 11 12	...	2444 0 0	2442 13 0	...	1540 0 0	616 2 18
...	...	...	...	...	...	...	2808 0 0	3207 14 0
...	...	...	...	...	...	...	108 15 0	101 3 0
...	...	...	...	...	...	...	10 10 0	3 0 0
...	...	...	...	...	...	...	37 19 0	5 3 0
...	55908 4 0	87997 3 0	...	67100 7 0	110413 7 13	148 0 0	88329 11 1	146507 15 12

* Dollied. sm Smelted. cy² From 3555 tons tailings. cy³ From 2619 tons tailings. cy⁴ From 3133 tons tailings.
 cy⁵ From 2448 tons tailings. cy⁶ From 5663 tons tailings. cy⁷ From 9166 tons tailings. cy⁸ From 10132 tons tailings.
 cy⁹ From 9912 tons tailings. cy¹⁰ From 11970 tons tailings. con¹ From 9 tons 4 cwt. 3 qrs. concentrates. con² From 41 tons concentrates.
 slm¹ From 2906 tons slimes. slm² From 8097 tons slimes. § Obtained by cyaniding concentrates and sweating plates.

TABLE NO. II.—Return of
East Coolgardie

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
12E, 229E		African Gold Recovery Co., Limited		342 5 3	219 12 15
38E, 71E, 72E		Associated Gold Mines of W.A., Limited		24325 0 0	24590 0 0
853E, 860E, 861E, 922E, 960E, 988E, 999E, 1007E, 1075E		Brown Hill Proprietary Gold Mines, Limited		3379 1 0	17318 11 0
3519E	Brisbane			8 10 0	3 14 0
281E	Golden Gate	Brookman Bros. Boulder G.M. Co.		2135 0 0	1523 2 0
4E	Cassidy's Hill Do.				
24E, 949E		Central Boulder Gold Mines W.A., Limited		1035 0 0	980 0 0
238E	Complin J. W. Binduli			25 0 0	25 19 0
351E		Croesus North No. 1, Ltd.			
		Golden Horseshoe G.M. Co., Limited		10779 0 0	33972 10 0
446E, 1069E, 1092E		Golden Link Consolidated Gold Mines, Limited (late Hesperus)			
2310E, 2312E, 2313E, 2316E, 2314E, 2315E		Golden Ridge W.A. Proprietary, Limited		139 4 0	288 11 5
1694E		Golden Zone G.M. Co.			
3522E		Great Boulder Associated G.M. Co., No-Liability		7 10 0	16 19 5
873E		Great Boulder Main Reef, Limited		8185 3 2	14365 3 15
66E		Great Boulder Perseverance G.M. Co., Limited		15177 0 0	18279 9 12
16E, 51E, 61E, 102E, 280E		Great Boulder Proprietary Gold Mines, Limited		41043 0 0	84402 8 7
3643E		Hainault Gold Mines, Ltd.			
1292E	Hannan's Britannia				
6E		Hannan's Block 45, Limited		136 10 0	224 10 0
698E		Hannan's Brown Hill G.M. Company		24032 0 0	50894 4 2
739E		Hannan's Croesus G.M. Co., Limited		1120 0 0	1082 18 4
9E, 37E, 42E		Hannan's Find Gold Reef, Limited			
983E, 1393E, 1183E, 1390E		Hannan's Golden Groups, Limited			
755E	Boko	Hannan's Excelsior Gold Mines, Limited		17 0 0	20 18 17
248E		Hannan's North G.M. Co.		205 0 0	242 14 0
410E, 532E		Hannan's Oroya G.M. Co., W.A., Ltd.		15412 0 0	6453 10 4
97E, 160E	Hannan's Reward			2760 0 0	2162 18 18
796E		Hannan's Reward N. G.M. Co., Ltd.		17 0 0	32 2 0
501E, 1591E, 2988E		Hannan's Sir John Forrest G.Ms., Ltd.			
448E		Hannan's True Blue G.Ms., Ltd.			
790E	Maritana West	Harquahala G.M. Co., Ltd.			
31E		Ivanhoe Gold Corporation, Ltd.		27120 0 0	50659 19 0
336E	Ivanhoe Venture	Ivanhoe Venture G.M. Co., N.L.		44 0 0	91 12 0
	¶ Claims on the Ivanhoe Venture Lease—				
	Bray and party	tons cwts. ozs. dwts. grs.			
	Burke and party	68 10 198 1 0			
	Powlette and party	82 10 304 15 0		247 10 0	639 5 0
		96 10 136 9 0			
22E, 34E		Kalgarli G.M., Ltd.		245 0 0	2102 0 0
33E		Kalgoorlie Bank of England G.M. Co., Ltd.		182 10 0	425 17 9
3047E	Kingston			23 0 0	15 9 0
73E, 71E		Kalgoorlie Mint and Iron King G.Ms., Ltd.		545 0 0	486 9 18
25E, 32E		Lake View Consols, Ltd.		67356 0 0	98110 9 0
103E		Lake View Ext. G.Ms., W.A., Ltd.		710 0 0	152 5 0
75E		Lake View South G.Ms., W.A., Ltd.		4334 0 0	1420 16 6
3649E	Livingstone			8 0 0	8 10 6
2E, 279E		Maritana G.M. Co., N.L.		87 10 0	67 15 14
2229E	Maritana South		148 0 0		
3746E	Michael Angelo Lode			114 17 0	45 7 8
211E, 212E, 213E, 1653E	Mount Charlotte	Mt. Charlotte G.M. Co., Ltd.		2720 0 0	982 1 18
35E		North Boulder G.M. Co., Ltd.		10150 0 0	9826 4 12
1769E	Pride of Kalgoorlie				
225E, 1114E		Reefer's Eureka G.M. Co., Ltd.		108 15 0	101 3 0
2684E	Rosina			10 10 0	3 0 0
3031E	Trafalgar	Trafalgar G.Ms., Ltd.		37 19 0	5 3 0
3349E, 3452E		Victoria United G.M. Co., N.L.			
			148 0 0	264324 15 1	422243 17 3

¶ Exigencies of space necessitate the inclusion of these returns under the heading of "Ore treated."

Goldfield—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.							Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.				
ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.		
...	...	...	...	342 5 3	219 12 15	0 12 19	...	1 0 0
...	7894 0 0	10914 0 0	...	32219 0 0	35504 0 0	...	...	3 15 0
...	9512 5 0	19208 14 0	...	sm 12891 6 0	36527 5 0	...	...	...
...	40 0 0	150 0 0	...	40 0 0	150 0 0	3 15 0	...	...
...	...	...	...	8 10 0	3 14 0	0 8 16	...	3 11 6
...	600 0 0	217 19 0	...	2735 0 0	1741 1 0	0 12 17	...	3 17 6		
...	71 0 0	116 0 0	...	71 0 0	116 0 0	1 12 16	...	...
...		
...	490 0 0	456 7 0	...	1525 0 0	1436 7 0	0 18 14	...	4 0 0		
...	20 5 0	11 10 0	...	25 0 0	25 19 0	1 0 18	...	...
...	1597 7 3	6389 7 12	...	20 5 0	11 10 0	0 11 11	...	...
...	...	...	...	12376 7 3	40361 17 12	3 5 5	...	4 1 6
...	5 0 0	0 5 0	...	5 0 0	0 5 0	0 1 0	...	...
...	127 11 2	244 16 12	...	266 15 2	533 7 17	2 0 0	...	3 15 0		
...	448 0 0	430 18 19	...	448 0 0	430 18 19	0 19 5	...	...
...	54 0 0	21 15 1	...	61 10 0	38 14 6	0 12 14	...	...
...	3798 13 0 ²⁰ / ₃₂	10534 7 21	...	11983 16 2 ²⁰ / ₃₂	24899 11 12	2 1 13	...	4 0 0		
...	13843 0 0	28078 3 9	...	29020 0 0	46357 12 21	1 11 22	...	4 0 6		
...	50483 0 0	165906 17 0	...	91526 0 0	250309 5 7	2 14 16	...	4 2 0		
...	12 4 0	50 4 0	...	12 4 0	50 4 0	4 2 7	...	...
...	21 10 0	20 15 0	...	21 10 0	20 15 0	0 19 7	...	...
...	27 11 0	119 6 0	...	164 1 0	343 16 0	2 1 22	...	...
...	5040 0 1 ¹ / ₂	30300 17 21	...	29072 0 1 ¹ / ₂	81195 1 23	2 15 20	...	3 19 0		
...	441 15 0	1531 5 0	...	1561 15 0	2614 3 4	1 13 11	...	3 16 7		
...	37 10 0	19 19 0	...	37 10 0	19 19 0	0 10 15	...	...
...	6 0 0	18 0 0	...	6 0 0	18 0 0	3 0 0	...	...
...	...	...	...	17 0 0	20 18 17	1 4 15	...	...
...	85 0 0	190 0 0	...	290 0 0	432 14 0	1 9 20	...	...
...	2465 17 0	1239 15 6	...	17877 17 0	7693 5 10	0 8 14	...	4 1 1		
...	2321 0 0	1547 9 11	...	5081 0 0	3710 8 5	0 14 14	...	4 1 8 ¹ / ₂		
...	...	...	...	17 0 0	32 2 0	1 17 18	...	3 12 7
...	80 0 0	80 9 0	...	80 0 0	80 9 0	1 0 2	...	...
...	200 0 0	200 0 0	...	200 0 0	200 0 0	1 0 0	...	...
...		
...	20187 0 0	43127 14 3	...	47307 0 0	93787 13 3	1 19 15	...	4 1 0		
30 10 0	...	...	30 10 0	44 0 0	91 12 0	2 1 15	...	...
...	...	...	...	247 10 0	639 5 0	2 11 16	...	3 18 6
...	1054 9 2	4879 9 10	...	1299 9 2	6981 9 10	5 7 11	...	...
...	157 0 0	1087 1 0	...	339 10 0	1512 18 9	4 9 0	...	...
...	12 0 0	12 8 0	...	35 0 0	27 17 0	0 15 15	...	...
...	1773 0 0	4383 2 0	...	2318 0 0	4869 11 18	2 2 0	...	4 0 0		
...	34709 0 0	77419 18 0	...	...	...	...	...	...
...	... cy	15226 18 0	...	102221 16 0	193754 19 19	1 18 21	...	4 2 0		
...	... con	2399 2 14	...	...	...	...	...	...
...	sm 156 16 0	598 12 5	...	710 0 0	152 5 0	0 4 6	...	3 17 6		
...	...	...	...	4334 0 0	1420 16 6	0 6 13	...	3 17 6
...	...	...	...	8 0 0	8 10 6	1 1 6	...	4 3 0
...	207 0 0	144 10 0	148 0 0	294 10 0	212 5 14	0 14 9	...	3 12 0		
...	...	...	...	...	...	...	...	3 19 3
...	...	...	...	114 17 0	45 7 8	0 7 21	...	3 19 0
...	215 2 0	130 12 0	...	2935 2 0	1113 6 18	0 7 14	...	4 0 9		
...	6326 0 0	12431 5 12	15 13 0	16476 0 0	22257 10 0	1 7 0	...	4 1 8 ¹ / ₂		
15 13 0	...	...	...	108 15 0	101 3 0	0 18 13	...	3 17 6
...	55 4 0	193 13 0	...	55 4 0	193 13 0	3 10 3	...	...
...	...	...	...	10 10 0	3 0 0	0 5 17	...	3 5 0
...	...	...	...	37 19 0	5 3 0	0 2 7	...	...
...	17 0 0	13 5 18	...	17 0 0	13 5 18	0 15 15	...	...
46 3 0	164592 1 1 ¹ / ₈	440046 13 6	194 3 0	428916 16 2 ¹ / ₈	862290 10 9	2 0 4	...	...

cy From 14,801 tons tailings.

con From 119 tons 10 cwt. concentrates.

‡ 500ozs. from unknown tons.

Coolgardie

COOLGARDIE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1908.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
3676 ... ..	...	Admiral Sampson, G.M. Co.	...	...	...
2613	Auckland ... ..	...	...	...	...
3606	Aurum ... ..	...	...	...	...
3668 (3489)	Australasian Junction ... ..	...	...	...	...
538, 810 ... ..	...	Australasian U. G.Ms., Ltd.	...	...	...
1988, 1989 ... ..	...	Bass & Flinders G.M. Co., Ltd.	...	...	...
22 ... ..	...	Bayley's Consols G.M. Co. (N.L.)	811 0 0	437 0 0	...
207, 423 ... ..	...	Bayley's No. 2 South G.M. Co., Ltd.	...	...	...
471	Bayley's South Extended ... ..	...	...	...	...
133, 139, 142, 547 ... ..	...	Bayley's United G.Ms., Ltd.	...	...	...
126, 131, 351, 724 ... ..	...	Bendigo & Coolgardie Prop. G.M. Co.	314 0 0	ey ¹ 2595 12 0 con ¹ 430 17 0	con ¹ 4 10 0
35, 3590 ... ..	...	Big Blow, Ltd.	150 0 0	70 18 0	...
3631	Blue Peter ... ..	...	...	...	...
3542	Bobby Dazzler ... ..	...	...	...	...
3408	Boomer ... ..	...	...	...	...
3066	Brakespeare ... ..	...	...	...	...
3618 (207)	Brilliant (late Bayley's No. 1 South)	...	...	...	...
2210 ... ..	...	Burbank's Consols, Ltd.	18 0 0	14 9 0	...
134, 135, 136, 1527, 2761, 3480 ... ..	...	Burbank's Birthday Gift G.M. Co.	2735 0 0	3992 2 0	...
2848, 1799, 971 ... ..	...	Burbank's Grand Junc., Ltd.	...	...	...
3246	Burbank's Grand Junc- tion W.	...	...	...	...
3632	Burbank's Horseshoe ... ..	...	...	...	...
3627	Burbank's Ivanhoe ... ..	...	...	...	...
2985, 2986 ... ..	...	Burbank's Main Lode	90 0 0	88 0 0	...
3200	Burbank's Star ... ..	...	...	...	...
193, 1624 ... ..	...	Briton's United G.Ms., Ltd.	...	...	...
1630, 1959 ... ..	...	Cardiff Castle G.Ms., Ltd.	...	...	...
3319 ... ..	...	Central Exploration and In- vestment Co., Ltd.	...	...	...
1852 ... ..	...	Charing Cross, W.A., G.M., Ltd.	...	...	...
3460	Cheapside ... ..	...	192 0 0	190 19 0	...
3547	Chesterton ... ..	...	...	...	...
84	Clyde	New Clyde G.Ms., Ltd.	...	...	...
3602	Condenser King... ..	...	4 0 0	8 13 0	...
3524	Coonong... ..	...	...	...	...
3626	Curragong ... ..	...	...	...	...
122 ... ..	...	Cosgrove Bayley's Reward South G.M. Co.	170 0 0	173 0 0	...
1854	De Beers ... ..	...	...	...	...
3621	De Beers West ... ..	...	...	...	...
1555	Dunallan No. 1 ... ..	...	...	...	...
3490	Eclipse ... ..	...	...	...	...
3251	Eldorado ... ..	...	...	...	...
2926	Elvira ... ..	...	74 0 0	15 0 0	...
1865	Empress of Coolgardie	Empress of Coolgardie Gold Mine, Limited	...	...	...
3453	Enterprise	Water Trust and Mining and Public Trust Co., W.A., Ltd.	...	...	...
1604, 1605, 2753 ... ..	...	Flagstaff G.M. Co. ... ..	...	...	...
284, 745 ... ..	...	Forrest King of Coolgardie	160 10 0	110 0 12	...
3617	Garfield ... ..	...	...	...	...
595	Gem	New Victoria Consols G.M. Co. (No-Liability)	...	...	...
1405	Gem Extended	New Victoria Consols G.M. Co. (No-Liability)	...	...	...
3630	Gem of the Vale ... ..	...	...	...	...
717, 1149 ... ..	...	Gleeson's Success G.M. Co. (No-Liability)	...	...	...
1918	Glenloth South	McKenzie's Gold Mines, Ltd.	...	...	...
20 ... ..	...	Golden Bar G.M. Co.	10 0 0	4 10 0	...
1741	Golden Drop	New Victoria Consols G.M. Co. (No-Liability)	...	...	...
1777 ... ..	...	Golden Gate, W.A., Ltd.	...	...	...
1811	Golden Junction Q.C. $\frac{3}{8}$ $\frac{3}{8}$	...	...	...	...
1559, 3541 (3868)	Golden King	Golden Queen G.M. Co. (N.L.)	113 0 0	74 1 0	...
400	Great Coolgardie ... ..	...	...	...	...
3319	Great Hanover ... ..	...	...	...	...
3647	Great Western ... ..	...	...	...	...
3473	Gympie Jim ... ..	...	...	...	...
1204 ... ..	...	Herbert Gold, Limited	...	...	...
3346	Herbert North ... ..	...	16 10 0	14 10 0	...
3629	Herbert South ... ..	...	...	...	...
3607	Hidden Treasure Q.C. 28	...	...	...	...
3586	Home Rule ... ..	...	...	...	...
3456	Hotspur South ... ..	...	...	...	...
1491	Ida May ... ..	...	120 0 0	45 18 0	...
3280	Just-in-Time ... ..	...	...	...	...
1135	Keep-it-Dark ... ..	...	...	...	...
3530	Kerry ... ..	...	...	...	...
3536	King's Cross ... ..	...	...	...	...
18, 82, 376	King's Lynn ... ..	...	103 0 0	116 0 0	...
1598 ... ..	...	King Solomon's G.Ms., Ltd.	...	...	...
1010, 1528, 2321 ... ..	...	King Solomon South G.M. Co.	...	...	...
3552	Lady Bell	Ladas and Foston United Gold Mines, Limited	...	...	...
Carried forward ... ..	...	...	5081 0 0	8385 19 12	...

ey¹ From 2240 tons tailings.con¹ From 3 tons concentrates.

Coolgardie
COOLGARDIE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dolled and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
	Brought forward ...			5081 0 0	8385 19 12
532		Lady Emily G.M. Co., Ltd.			
336, 1583, 2094, 2105, 2093		Lady Loch Gold Mines, Ltd.			
2499	Lady Forrest Extended...				
2010	Lady Forrest South				
1646 (2178)	Lady Jeannie		100 0 0		46 5 0
1763	Lady Mary				
2281		Lady Maud Gold Mines, Ltd.			
2160	Lady Robinson				
756	La Mascotte				
1840		Lefroy Gold Mines, Ltd.			
577		Lefroy Imperial G.M. Co., Ltd., N.L.			
3556	Lily		42 15 0		76 8 0
3297	Lindsay Gordon				
808		Lindsay's Consolidated Gold Mine, Ltd.		682 0 0	427 9 0
2392, 2596	Little Blow and Golden Ridge E.				
1721	Lombard	Lombard G.Ms., W.A., Ltd.			
575, 1076	Londonderry South Block	Londonderry Gold Mines, Ltd.		650 0 0	1143 12 0
3581	Mammoth				
23		McCulloch's Coolgardie Gold Mine, Ltd., N.L.			
664, 1739, 1918	Amalgamated	McPherson's Reward (W.A.) G.M. Co., Ltd.		398 19 0	231 18 0
188A		Moon's Coolgardie G.M. Co., N.L.		57 0 0	24 19 9
1902	Morning Star				
2597	Mount Annetta		141 0 0		25 6 12
2413		Mount Burgess G.M. Co., Ltd.		294 0 0	149 2 0
1019		Mount Rowe Consolidated...			
1093, 2292		New Australasian Gold Mines, Ltd.		170 0 0	1373 12 0
595, 1741, 1401		New Victoria Consols G.M. Co., Ltd.			
2638	New Victoria South			206 0 0	201 6 0
3484	New Zealander				
1610, 2413	North Burgess Extended	North Burgess G.M. Co., Ltd.		275 0 0	1012 14 0 cy ¹ 49 14 0
1867	No. 1 N. Three Jolly Britons				
2434	Old Chum Extended				
3481		Orchin G.M. Co., N.L.			
3252	Perseverance Extended				
1903	Phoenix				
3613	Pilgrim				
3282	Princess Midas				
3476	Queen's Reign		2 0 0		0 17 0
3623	Queen of Sheba				
		Ramage Syndicate, Ltd.			
3417	Queenslander	Red Hill W.A. Syndicate, Ltd.			
3426	St. Mildred's Quartz Claim Hidden Treasure			5 0 0	9 5 0
1728	Red Jacket				
3648	Rising Sun				
3609, 3573		Richmond Consolidated G.M. Co., Ltd.			
831, 862, 963, 1334, 1382		Rome Consolidated G.M. Co., Ltd.		30 0 0	10 4 12
226		Rose Hill United G.M. Co., Ltd.		100 0 0	47 5 0
1839	Royal Tar			3 5 0	5 14 0
1383		Sam's Wealth of Nations G.M. and Ex., Ltd.			
3415, 3416, 3510		Sherlaw Gold Mines, Ltd.		453 0 0	259 0 0
3562	Smith's Find			9 0 0	64 4 0
3578	St. George's G.M.			31 0 0	71 0 0
73	Star of the South				
2725	Steadman's Choice			10 0 0	1 13 0
3520	Telluride King				
33	Tindals	Tindals Coolgardie G.M. Co., N.L.		102 0 0	35 2 0
1835	Tindals Central			40 0 0	19 10 0
3561 (3651)	Tindals Consols	Tindals Coolgardie G.M. Co., N.L.		157 0 0	30 17 0
1641	Tindals Extended				
3587	United Brothers			56 0 0	32 1 0
130, 215, 436, 1145		Rita Nita Mining and Samp- ling Co., Ltd. (late United Gold Reefs, Ltd.)			
1385		Union Jack G.M. Co. N.L.			
1552		Vale of Coolgardie Gold Mines, Ltd.		260 0 0	299 12 0
3616	Valentine				
3663	Victoria Cross				
344, 1151, 1639, 2146, 2266		Westralia and East Extension Mines, Ltd.		4863 13 0	3197 2 15
3645	Webster's Success				
				14219 12 0	17231 12 12
	ALLUVIAL (Bayley's Utd.)				

Goldfield—continued.
DISTRICT—continued.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
10 19 10	7991 5 2	11070 18 19	...	11323 6 3	12157 3 22	...	11765 17 1	12184 3 19
...	...	...	...	...	...	...	505 0 0	330 6 21
...	...	...	...	...	...	...	...	con ¹ 25 2 12
...	...	...	...	30 0 0	18 0 0	...	...	...
...	...	...	...	30 14 0	19 7 0	...	...	...
...	...	...	...	...	...	...	86 8 0	49 14 4
...
...	107 0 0	64 9 0	...	110 0 0	50 6 12	...	...	...
...	...	...	...	...	con ² 6 0 0	...	...	...
...	5 0 0	6 17 0	...	40 0 0	10 13 0	...	18 0 0	9 8 0
...	8 0 0	10 0 12	...	...	...	...	638 0 0	493 6 19
...
...	1140 0 0	1653 8 0	...	1190 0 0	990 17 0	...	583 0 0	306 16 0
...	...	...	...	10 0 0	7 16 0	...	10 0 0	5 12 0
...
...	302 0 0	176 16 0	...	107 0 0	54 8 0	...	119 0 0	31 6 0
...	...	...	...	35 0 0	7 13 18	...	...	...
...
...	22 0 0	33 19 18	...	164 0 0	149 3 0	...	80 0 0	39 14 0
...
...	...	...	...	17 0 0	16 16 12	...	8 0 0	7 16 0
...	...	...	...	...	...	...	...	con ² 29 1 0
...
...	96 0 0	91 15 0	...	595 0 0	436 19 14	...	90 0 0	58 11 0
...
...	35 0 0	232 5 0	...	210 0 0	300 11 0	...	263 0 0	379 10 0
...	...	con ⁴ 9 19 0	...	...	...	...	...	...
...
...	...	...	...	478 0 0	129 0 0	...	...	...
...
...	10 0 0	10 9 0	...	...	...	...	...	...
...	19 0 0	13 6 0	...	...	...	...	...	...
...	...	con ⁵ 1 13 0	...	...	...	...	...	...
...	...	...	...	25 0 0	5 4 20	...	...	...
...
+550 0 0	...	...	+141 2 0	...	...	...	156 0 0	485 3 19
...	...	...	+65 19 5	135 0 0	474 4 17	...	251 0 0	661 10 10
...
...
...	...	...	...	...	...	...	0 4 0	15 0 0
...	...	...	...	...	...	...	218 10 1	270 3 8
...
...	264 0 0	120 11 20	...	...	...	...	...	...
...	...	con ⁶ 17 5 0	...	...	...	...	...	...
...	10 0 0	7 0 0	...	20 0 0	10 0 0	...	39 0 0	13 19 3
...	26 0 0	10 0 0	...	...	...	...	...	...
...	636 0 0	536 15 0	...	1312 0 0	798 13 0	...	240 0 0	259 0 0
...	12 0 0	16 4 0	...	...	...	...	...	...
...	30 0 0	18 10 0	...	...	...	...	...	...
...
...	...	...	...	25 0 0	14 3 0	...	...	...
...	...	...	...	...	con ⁷ 16 14 20	...	...	...
...	1000 0 0	289 4 6	...	960 0 0	284 8 0	...	940 0 0	228 3 4
...
...	104 10 0	40 11 10	...	11 10 0	5 12 0	...	15 0 0	12 0 0
...
...
...	17 10 0	41 11 18	...	60 0 0	45 11 0	...	100 0 0	94 12 0
...	304 0 0	286 15 12	...	...	...	...	1601 0 0	941 6 18
...
...	...	...	*16 0 0	17 10 0	2 12 0	...	...	...
...	...	...	...	...	...	...	11 0 0	2 6 0
...	7069 18 0	4617 15 0	...	5917 16 0	3496 2 2	...	4764 0 0	2502 4 6
...
...	...	...	...	...	...	...	12 0 0	4 7 0
560 19 10	19209 3 2	19377 19 19	223 1 5	22423 16 3	19508 0 17	...	22513 19 2	19440 3 23
52 14 7	...	...	...	...	...	...	...	...

con¹ From 3 tons 10 cwt. concentrates. con² From 2 tons. con³ From 2 tons 9 cwt. 1 qr. con⁴ 1 ton 15 cwt. con⁵ 6 tons.
con⁶ 8 tons 10 cwt. con⁷ From 1 ton 5 cwt. * Dollied. + Specimens.

Coolgardie
COOLGARDIE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
3676 ... ..	...	Admiral Sampson G.M. Co.	...	44 0 0	18 0 15
2613	Auckland ... ..	...	...	...	...
3606	Aurum ... ..	...	...	61 0 0	49 19 0
3668 (3489)	Australasian Junction ... ..	...	...	15 0 0	7 3 0
538, 810 ... ..	...	Australasian U. G.Ms., Ltd.	...	43 5 0	21 17 0
1988, 1989 ... ..	...	Bass & Flinders G.M. Co., Ltd.	...	...	...
22 ... ..	...	Bayley's Consols G.M. Co. (N.L.)	...	3125 0 0	1932 7 18
207, 423 ... ..	...	Bayley's No. 2 South G.M. Co., Ltd.	...	...	...
471	Bayley's South Extended	...	...	...	...
133, 139 142, 547 ... ..	...	Bayley's United G.Ms., Ltd.	...	3961 17 2	14429 9 4
126, 131, 351, 724 ... ..	...	Bendigo & Coolgardie Prop. G.M. Co.	...	719 0 0	853 9 3
35, 3590 ... ..	...	Big Blow, Ltd.	...	2674 0 0	665 8 0
3631	Blue Peter ... ..	...	...	118 0 0	77 10 0
3542	Bobby Dazzler ... ..	...	...	...	...
3408	Boomer ... ..	...	...	10 0 0	63 9 0
3066	Brakespeare ... ..	...	...	...	...
3618 (207)	Brilliant (late Bayley's No. 1 South)	...	...	102 0 0	101 0 0
2210 ... ..	...	Burbank's Consols, Ltd.	...	18 0 0	14 9 0
134, 135, 136, 1527, 2761, 3480 ... ..	...	Burbank's Birthday Gift G.M. Co.	...	11414 0 0	16970 3 5
2848, 1799, 971 ... ..	...	Burbank's Grand Junction, Ltd.	...	415 10 0	567 5 0
3246	Burbank's Grand Junc- tion W.	...	...	...	...
3632	Burbank's Horseshoe ... ..	...	...	11 0 0	67 14 22
3627	Burbank's Ivanhoe ... ..	...	...	88 0 0	52 2 0
2985, 2986 ... ..	...	Burbank's Main Lode ... ..	...	90 0 0	88 0 0
3200	Burbank's Star ... ..	...	...	...	...
193, 1624 ... ..	...	Briton's United G.Ms., Ltd.	...	...	...
1630, 1959 ... ..	...	Cardiff Castle G.Ms., Ltd.	...	...	...
3319 ... ..	...	Central Exploration and In- vestment Co., Ltd.	...	...	...
1852 ... ..	...	Charing Cross, W.A., G.M., Ltd.	...	...	...
3460	Cheapside ... ..	...	...	264 0 0	240 19 0
3547	Chesterton ... ..	...	...	...	...
84	Clyde	New Clyde G.Ms., Ltd.	...	740 0 0	231 3 0
3602	Condenser King ... ..	...	2 9 10	209 10 0	184 11 21
3524	Coonong ... ..	...	...	39 0 0	10 14 0
3626	Curragong ... ..	...	...	...	...
122 ... ..	...	Cosgrove Bayley's Reward South G.M. Co.	...	944 0 0	732 19 0
1854	De Beers ... ..	...	...	...	...
3621	De Beers West ... ..	...	...	10 0 0	3 1 0
1555	Dunallan No. 1 ... ..	...	...	...	...
3490	Eclipse ... ..	...	...	...	...
3251	Eldorado ... ..	...	...	...	...
2926	Elvira ... ..	...	...	74 0 0	15 0 0
1865	Empress of Coolgardie	Empress of Coolgardie Gold Mine, Limited	...	911 0 0	415 19 7
3453	Enterprise	Water Trust and Mining and Public Trust Co., W.A., Ltd.	...	306 0 0	153 6 12
1604, 1605, 2753 ... ..	...	Flagstaff G.M. Co. ... ..	...	...	...
284, 745 ... ..	...	Forrest King of Coolgardie	...	160 10 0	110 0 12
3617	Garfield ... ..	...	...	40 0 0	65 6 0
595	Gem	New Victoria Consols G.M. Co. (No-Liability)	...	2656 0 0	1492 19 22
1405	Gem Extended	New Victoria Consols G.M. Co. (No-Liability)	...	...	...
3630	Gem of the Vale... ..	...	...	24 2 0	9 7 9
717, 1149 ... ..	...	Gleeson's Success G.M. Co. (No-Liability)	...	295 0 0	374 11 0
1918	Glenloth South	McKenzie's Gold Mines, Ltd.	...	43 0 0	47 0 0
20 ... ..	...	Golden Bar G.M. Co.	...	3453 0 0	1754 2 0
1741	Golden Drop	New Victoria Consols G.M. Co. (No-Liability)	...	899 0 0	540 16 5
1777 ... ..	...	Golden Gate, W.A., Ltd.	...	...	...
1811	Golden Junction Q.C. $\frac{35}{08}$	...	...	38 5 0	45 10 0
1559, 3541 (3808)	Golden King	Golden Queen G.M. Co. (N.L.)	...	288 0 0	146 19 21
400	Great Coolgardie ... ..	...	...	...	...
3319	Great Hanover ... ..	...	...	110 0 0	44 1 0
3647	Great Western ... ..	...	...	24 0 0	16 19 0
3473	Gympie Jim ... ..	...	...	...	...
1204 ... ..	...	Herbert Gold, Ltd.	...	245 0 0	255 0 6
3346	Herbert North ... ..	...	...	79 10 0	83 5 11
3629	Herbert South ... ..	...	...	31 0 0	23 7 3
3607	Hidden Treasure, Q.C. 28	...	...	17 0 0	47 9 0
3586	Home Rule ... ..	...	...	171 0 0	120 18 10
3456	Hotspur South ... ..	...	...	26 0 0	24 16 0
1491	Ida May ... ..	...	...	10 0 0	18 18 0
3280	Just-in-Time ... ..	...	...	182 0 0	64 10 0
1135	Keep-it-Dark ... ..	...	...	...	...
3530	Kerry ... ..	...	...	37 0 0	5 9 0
3536	King's Cross ... ..	...	8 10 0	33 0 0	39 16 4
18, 82, 376	King's Lynn ... ..	...	...	35 0 0	32 9 0
1598 ... ..	...	King Solomon's G.Ms., Ltd.	...	407 0 0	454 4 6
...	...	King Solomon South G.M. Co.	...	5 0 0	1 3 0
Carried forward ... ..	...	...	10 19 10	35716 9 2	43785 19 0

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1893.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dolled and Specimens.	Ore treated.	Gold therefrom.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	...	...	...	44 0 0	18 0 15	0 8 4	3 18 10
...	50 0 0	24 13 0	...	50 0 0	24 13 0	0 9 20	...
...	...	...	...	61 0 0	49 19 0	0 16 9	3 10 0
...	74 0 0	27 7 15	...	89 0 0	34 10 15	0 7 18	3 16 0
...	...	...	...	43 5 0	21 17 0	0 10 2	3 5 0
...	10 0 0	5 10 0	...	10 0 0	5 10 0	0 11 0	...
...	852 0 0	455 18 0	...	3977 0 0	2388 5 18	0 12 0	...
...	614 0 0	341 16 0	...	614 0 0	341 16 0	0 11 3	...
...	47 0 0	8 11 0	...	47 0 0	8 11 0	0 3 15	...
...	14709 0 0	38820 0 5	...	18670 17 2	53249 9 9	2 17 0	4 0 0
...	263 0 0	296 7 0	...	982 0 0	1149 16 3	1 3 10	...
...	419 0 0	195 15 0	...	3093 0 0	861 3 0	0 5 13	...
54 6 12	...	...	54 6 12	118 0 0	77 10 0	0 13 3	3 14 0
...	...	...	...	10 0 0	63 9 0	6 6 21	...
...	16 0 0	34 8 0	...	16 0 0	34 8 0	2 3 0	...
...	...	...	...	102 0 0	101 0 0	0 19 19	3 15 0
...	...	...	...	18 0 0	14 9 0	0 16 1	...
...	8012 0 0	20589 18 18	...	19426 0 0	37560 1 23	1 18 16	3 17 11
...	462 0 0	1643 0 0	...	877 10 0	2210 5 0	2 10 9	3 18 0
...	97 0 0	185 12 0	...	97 0 0	185 12 0	1 18 6	...
...	...	...	...	11 0 0	67 14 22	6 3 4	3 19 11
...	...	...	...	88 0 0	52 2 0	1 1 20	3 15 0
...	...	...	...	90 0 0	88 0 0	0 19 13	...
...	87 0 0	85 12 0	...	87 0 0	85 12 0	0 19 16	...
...	36 0 0	27 0 0	...	36 0 0	27 0 0	0 15 0	...
...	1350 0 0	254 12 22	...	1350 0 0	254 12 22	0 3 18	...
...	75 0 0	66 0 0	...	75 0 0	66 0 0	0 17 14	...
...	10 0 0	15 10 0	...	10 0 0	15 10 0	1 11 0	...
...	59 10 1	69 10 4	...	323 10 1	310 9 4	1 7 18	3 16 0
...	20 0 0	14 0 0	...	20 0 0	14 0 0	0 14 0	...
...	102 0 0	91 0 0	...	842 0 0	322 3 0	0 7 15	3 17 6
...	...	...	2 9 10	209 10 0	184 11 21	0 17 14	3 17 10
...	...	...	...	39 0 0	10 14 0	0 5 11	...
...	262 0 0	179 5 0	...	1206 0 0	912 4 0	0 15 3	3 18 10½
...	3 0 0	4 10 0	...	3 0 0	4 10 0	1 10 0	...
...	...	...	...	10 0 0	3 1 0	0 6 2	...
...	17 15 0	5 8 0	...	17 15 0	5 8 0	0 6 2	...
...	90 0 0	34 0 0	...	90 0 0	34 0 0	0 7 13	...
...	76 0 0	18 9 3	...	76 0 0	18 9 3	0 4 20	...
...	...	...	...	74 0 0	15 0 0	0 4 1	...
...	472 0 0	101 19 0	...	1383 0 0	517 18 7	0 7 11	3 14 6
...	1120 6 0	691 1 18	...	1426 6 0	844 8 6	0 11 20	3 18 6
...	2155 0 0	1572 0 0	...	2155 0 0	1572 0 0	0 14 14	...
...	697 0 0	472 0 0	...	857 10 0	582 0 12	0 13 13	...
...	...	...	...	40 0 0	65 6 0	1 12 15	...
...	360 10 0	336 10 0	...	3016 10 0	1829 9 22	0 12 3	...
...
...	...	...	...	24 2 0	9 7 9	0 7 18	3 12 6
...	143 0 0	177 3 0	...	438 0 0	551 14 0	1 5 4	3 17 6
...	329 0 0	468 4 0	...	372 0 0	515 4 0	1 7 16	...
...	2055 0 0	1211 17 0	...	5508 0 0	2965 19 0	0 10 18	3 15 0
...	283 10 0	269 4 0	...	1182 10 0	810 0 5	0 13 16	...
...	50 0 0	130 0 0	...	50 0 0	130 0 0	2 12 0	...
...	...	...	...	38 5 0	45 10 0	1 3 18	...
...	47 0 0	52 0 0	...	47 0 0	52 0 0	1 2 3	...
...	5 5 0	16 10 0	...	293 5 0	163 9 21	0 11 3	...
...	10 0 0	12 0 0	...	10 0 0	12 0 0	1 4 0	...
...	...	...	...	110 0 0	44 1 0	0 8 0	...
...	...	...	...	24 0 0	16 19 0	0 14 3	3 18 6
15 0 0	87 12 0	84 15 22	15 0 0	87 12 0	84 15 22	0 19 8	...
...	399 0 0	390 7 0	...	644 0 0	645 7 6	1 0 1	3 10 0
...	9 0 0	16 1 12	...	88 10 0	99 8 15	1 2 11	3 15 0
...	...	...	...	31 0 0	23 5 11	0 15 0	3 10 0
...	...	...	...	17 0 0	47 9 0	2 15 19	...
...	...	...	...	171 0 0	120 18 10	0 14 3	...
...	...	...	...	26 0 0	24 16 0	0 19 1	...
...	...	...	...	10 0 0	18 18 0	1 17 19	3 17 10
...	53 0 0	37 5 0	...	235 0 0	101 15 0	0 8 15	...
...	18 0 0	65 0 6	...	18 0 0	65 0 6	3 12 5	...
...	...	...	...	37 0 0	5 9 0	0 2 22	...
8 0 0	52 0 0	50 16 0	16 10 0	85 0 0	90 12 4	1 1 7	...
...	10 0 0	14 17 0	...	45 0 0	47 6 0	1 1 0	3 12 6
...	593 0 0	1130 0 4	...	1000 0 0	1584 4 10	1 11 16	...
...	...	...	...	5 0 0	1 3 0	0 4 14	...
77 6 12	36762 8 1	70793 5 9	88 5 22	72478 17 3	114579 4 9	...	...

Coolgardie
COOLGARDIE

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Brought forward ...		10 19 10	35716 9 2	43785 19 0
1010, 1528, 2321	...	Ladas and Poston United Gold Mines, Limited	...	...	...
3552	Lady Bell ...	...	...	50 0 0	21 12 0
532	...	Lady Emily G.M. Co., Ltd.	...	...	...
336, 1583, 2094, 2105, 2093	...	Lady Loch Gold Mines, Ltd.	...	505 0 0	355 9 9
2499	Lady Forrest Extended	...	...	...	...
2010	Lady Forrest South	...	...	...	...
1646 (2178)	Lady Jeannie	...	...	130 0 0	64 5 0
1763	Lady Mary	...	...	30 14 0	19 7 0
2281	...	Lady Maud Gold Mine, Ltd.	...	...	...
2160	Lady Robinson	...	...	86 8 0	49 14 4
756	La Mascotte	...	...	...	...
1840	...	Lefroy Gold Mines, Ltd.	...	...	...
577	...	Lefroy Imperial G.M. Co., Ltd.	...	...	...
3556	Lily	...	...	259 15 0	197 3 12
3297	Lindsay Gordon	...	...	63 0 0	26 18 0
808	...	Lindsay's Consolidated Gold Mines, Ltd.	...	1328 0 0	930 16 7
2392, 2596	Little Blow and Golden Ridge E.	...	...	...	...
1721	Lombard	Lombard Gold Mine, W.A., Ltd.	...	...	...
575, 1076	Londonderry South Block	Londonderry Gold Mines, Ltd.	...	3563 0 0	4094 13 0
3581	Mammoth	...	...	20 0 0	13 8 0
23	...	McCulloch's Coolgardie Gold Mine, Ltd., N.L.	...	...	...
664, 1739, 1918	Amalgamated	McPherson's Reward (W.A.) G.M. Co., Ltd.	...	926 19 0	494 8 0
188A	...	Moons Coolgardie G.M. Co., N.L.	...	92 0 0	32 13 3
1902	Morning Star	...	...	...	...
2597	Mount Annetta	...	...	141 0 0	25 6 12
2413	...	Mount Burgess G.M. Co., Ltd.	...	560 0 0	371 18 18
1019	...	Mount Rowe Consolidated	...	...	...
1093, 2292	...	New Australasian Gold Mines, Ltd.	...	195 0 0	1427 5 12
595, 1741, 1401	...	New Victoria Consols G.M. Co., Ltd.	...	...	...
2638	New Victoria South	...	...	987 0 0	788 11 14
3484	New Zealander	...	...	...	...
1610	North Burgess Extended	North Burgess G.M. Co., Ltd.	...	783 0 0	1984 13 0
1867	No. 1 N. Three Jolly Britons	...	...	...	...
2434	Old Chum Extended	...	...	...	...
3481	...	Orchin G.M. Co., N.L.	...	478 0 0	129 0 0
3252	Perseverance Extended	...	...	...	...
1903	Phoenix	...	...	...	...
3613	Pilgrim	...	...	10 0 0	10 9 0
3282	Princess Midas	...	...	19 0 0	14 19 0
3476	Queen's Reign	...	...	2 0 0	0 17 0
3623	Queen of Sheba	...	...	25* 0 0	5 4 20
3417	Queenslander	Ramage Syndicate	...	...	...
3426	St. Mildred's	Red Hill W.A. Syndicate, Ltd.	757 1 5	542 0 0	1620 18 22
1728	Red Jacket	...	...	...	...
3648	Rising Sun	...	...	0 4 0	15 0 0
3609, 3573	...	Richmond Consolidated G.M. Co., Ltd.	...	218 10 1	270 3 8
831, 862, 963, 1334, 1382	...	Rome Consolidated G.M. Co., Ltd.	...	30 0 0	10 4 12
226	...	Rose Hill United G.M. Co., Ltd.	...	364 0 0	185 1 20
1839	Royal Tar	...	...	72 5 0	36 13 3
1383	...	Sam's Wealth of Nations G.M. and Ex., Ltd.	...	26 0 0	10 0 0
3415, 3416, 3510	...	Sherlaw Gold Mines, Ltd.	...	2641 0 0	1853 8 0
3562	Smith's Find	...	...	21 0 0	80 8 0
3578	St. George's G.M.	...	...	61 0 0	89 10 0
73	Star of the South	...	...	...	...
2725	Steadman's Choice	...	...	10 0 0	1 13 0
3520	Telluride King	...	...	25 0 0	30 17 20
33	Tindals	Tindals Coolgardie G.M. Co., N.L.	...	3002 0 0	836 17 10
1835	Tindals Central	...	...	156 0 0	65 13 10
3561 (3651)	Tindals Consols	Tindals Coolgardie G.M. Co., N.L.	...	172 0 0	42 17 0
1641	Tindals Extended	...	...	...	...
3587	United Brothers	...	...	56 0 0	32 1 0
130, 215, 436, 1145	...	Rita Nita Mining and Samp- ling Co., Ltd. (late United Gold Reefs, Ltd.)	...	...	...
1385	...	Union Jack G.M. Co., N.L.	...	177 10 0	181 14 18
1552	...	Vale of Coolgardie Gold Mines, Ltd.	...	2165 0 0	1527 14 6
3616	Valentine	...	16 0 0	17 10 0	2 12 0
3663	Victoria Cross	...	...	11 0 0	2 6 0
344, 1151, 1639, 2146, 2266	...	Westralia and East Exten- sion Mines, Ltd.	...	22615 7 0	13813 3 23
3645	Webster's Success	...	...	12 0 0	4 7 0
			784 0 15	78366 11 3	75557 16 23
	ALLUVIAL (Bayleys Untd.)		52 14 7	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.					Mint Value of Gold per Oz. £ s. d.
Dolled and Specimens.	Ore treated.	Gold therefrom.	Dolled and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.		
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.		
77 6 12	36762 8 1	70793 5 9	...	72478 17 3	114579 4 9	...	...	...
...	6 0 0	2 8 0	...	6 0 0	2 8 0	0 8 0	...	...
...	...	...	...	50 0 0	21 12 0	0 8 15	...	...
...	20 0 0	15 0 0	...	20 0 0	15 0 0	0 15 0	...	...
...	1697 0 0	5260 0 0	...	2202 0 0	5615 9 9	2 11 0	3 17 6	...
...	3 0 0	3 0 0	...	3 0 0	3 0 0	1 0 0	...	...
...	195 0 0	585 0 0	...	195 0 0	585 0 0	3 0 0	...	...
...	...	...	...	130 0 0	64 5 0	0 9 21	3 17 6	...
...	50 0 0	15 6 0	...	80 14 0	34 13 0	0 8 14	3 17 0	...
...	14 0 0	11 15 0	...	14 0 0	11 15 0	0 16 18	...	...
...	94 0 0	55 3 0	...	180 8 0	104 17 4	0 11 15	...	...
...	50 0 0	21 11 0	...	50 0 0	21 11 0	0 8 14	...	...
...	100 0 0	10 0 0	...	100 0 0	10 0 0	0 2 0	...	...
...	13 0 0	29 17 0	...	13 0 0	29 17 0	2 5 22	...	...
...	...	...	...	259 15 0	197 3 12	0 15 4	...	...
...	61 0 0	58 18 3	...	124 0 0	85 16 3	0 13 20	3 16 3	...
...	2842 0 0	1668 6 17	...	4170 0 0	2599 3 0	0 12 11	4 0 10	...
...	9 0 0	9 0 0	...	9 0 0	9 0 0	1 0 0	...	...
...	25 0 0	28 17 0	...	25 0 0	28 17 0	1 3 1	...	...
...	1474 0 0	3583 13 0	...	5057 0 0	7718 6 0	1 10 12	3 13 6	...
...	20 0 0	40 0 0	...	20 0 0	13 8 0	0 13 9	...	...
...	70 0 0	10 0 0	...	70 0 0	10 0 0	0 2 20	...	...
...	696 16 0	864 18 4	...	1623 15 0	1359 6 4	0 16 17	3 10 0	...
...	...	...	...	92 0 0	32 13 3	0 7 2	3 1 0	...
...	327 0 0	575 12 0	...	327 0 0	575 12 0	1 15 4	...	...
...	...	...	...	141 0 0	25 6 12	0 3 14	...	...
...	5931 10 0	5784 3 13	...	6491 10 0	6156 2 7	0 18 23	3 17 0	...
...	16 0 0	13 0 0	...	16 0 0	13 0 0	0 16 6	...	...
...	||2791 0 0	||7157 4 2	...	2986 0 0	8584 9 14	2 17 11	4 0 0	...
...	105 0 0	59 0 0	...	105 0 0	59 0 0	0 11 5	3 12 6	...
...	1312 0 0	1268 10 18	...	2299 0 0	2057 2 8	0 17 21	3 18 0	...
...	10 0 0	2 13 0	...	10 0 0	2 13 0	0 5 7	...	...
...	203 0 0	778 12 0	...	986 0 0	2763 5 0	2 16 1	3 12 0	...
...	20 0 0	9 7 0	...	20 0 0	9 7 0	0 9 8	...	...
...	6 0 0	8 0 0	...	6 0 0	8 0 0	1 6 16	...	...
...	...	...	...	478 0 0	129 0 0	0 5 9	...	...
...	55 0 0	6 0 0	...	55 0 0	6 0 0	0 2 4	...	...
...	53 0 0	26 10 0	...	53 0 0	26 10 0	0 10 0	...	...
...	...	...	...	10 0 0	10 9 0	1 0 21	...	...
...	...	...	...	19 0 0	14 19 0	0 15 5	...	...
...	...	...	...	2 0 0	0 17 0	0 8 12	...	...
...	...	...	...	25 0 0	5 4 20	0 4 4	...	...
...	4 12 0	6 9 0	...	4 12 0	6 9 0	1 8 1	...	...
...	...	...	757 1 5	542 0 0	1620 18 22	2 19 19	3 15 0	...
...
...	2 0 0	3 0 0	...	2 0 0	3 0 0	1 10 0	...	...
...	...	...	...	0 4 0	15 0 0	...	3 12 6	...
...	...	...	...	218 10 1	270 3 8	1 4 17	...	...
...	...	...	...	30 0 0	10 4 12	0 6 19	...	...
...	...	...	...	364 0 0	185 1 20	0 10 4	...	...
...	50 0 0	2 11 15	...	122 5 0	39 4 18	0 6 10	3 12 6	...
...	47 0 0	10 0 0	...	73 0 0	20 0 0	0 5 11	...	...
...	2111 0 0	1162 10 12	...	4752 0 0	3015 18 12	0 12 16	3 10 0	...
...	...	...	...	21 0 0	80 8 0	3 16 13	...	...
...	...	...	...	61 0 0	89 10 0	1 9 8	...	...
...	150 0 0	270 0 0	...	150 0 0	270 0 0	1 16 0	...	...
...	...	...	...	10 0 0	1 13 0	0 3 7	...	...
...	...	...	...	25 0 0	30 17 20	1 4 17	...	...
...	550 0 0	246 19 0	...	3552 0 0	1083 16 10	0 6 2	3 12 6	...
...	19 16 0	11 8 0	...	175 16 0	77 1 10	0 8 18	...	...
...	...	...	...	172 0 0	42 17 0	0 4 23	3 15 0	...
...	18 0 0	2 5 0	...	18 0 0	2 5 0	0 2 12	...	...
...	...	...	...	56 0 0	32 1 0	0 11 10	...	...
...	33 0 0	17 0 0	...	33 0 0	17 0 0	0 10 7	...	...
...	300 0 0	340 15 0	...	477 10 0	522 9 18	1 1 21	3 13 10	...
...	2642 0 0	3506 3 22	...	4807 0 0	5033 18 4	1 0 22	3 17 0	...
...	...	...	...	16 0 0	17 10 0	0 2 20	3 12 7	...
...	...	...	...	11 0 0	2 6 0	0 4 4	3 12 6	...
...	7787 2 0	8289 15 12	...	30402 9 0	22102 19 11	0 14 12	3 13 4	...
...	...	...	...	12 0 0	4 7 0	0 7 6	...	...
77 6 12	68746 4 1	112623 8 7	861 7 3	147112 16 0	188181 5 6	1 5 14	...	...
...	...	...	52 14 7	...	...	...	...	...

TABLE NO. II.—Return of

Coolgardie

KUNANALING

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens. ozs. dwts. grs.	Ore treated. tons cwts. qrs.	Gold therefrom. ozs. dwts. grs.
464s	Admiral Dewey ... ..	...	...	...	...
319s	A. Golden ... ..	...	...	...	...
463s	Bantam ... ..	...	...	...	...
295s	Belavon ... ..	...	...	...	...
439s	Big Blow ... ..	...	...	...	...
71s, 162s ... ..	...	Blackett's G.Ms., Ltd.	...	478 13 0	255 19 0
11s	Brevier ... ..	...	...	...	...
444s	British Lion ... ..	...	...	10 10 0	16 3 0
458s	Broncho ... ..	...	...	...	...
119s, 181s ... ..	...	Bunyip G.Ms., Ltd.	...	...	...
152s	Camperdown ... ..	...	...	...	...
86s	Caroline ... ..	...	...	...	...
123s	Castle Hill ... ..	...	...	...	...
404s	Castle View East ... ..	...	...	...	...
113s ... ..	...	Central Wealth of Nations, Limited	* 54 2 0	40 0 0	12 15 12
64s ... ..	...	City of London G.Ms., Ltd.	...	75 0 0	32 6 0
432s	Corneuba ... ..	...	...	12 0 0	6 0 0
15s	Daddy ... ..	...	...	50 0 0	33 15 0
445s	Daisy Bell ... ..	...	...	20 0 0	28 0 0
115s, 355s	Dark Horse and Holland's Reward	...	...	...	...
428s	Daybreak ... ..	...	...	6 9 0	25 17 0
111s	Emu ... ..	...	...	50 0 0	116 13 21
449s	Empress of the Jourdies ... ..	...	...	...	...
241s	Eureka } late Denver {	...	...	...	...
225s	Victor } City Mines {	...	...	21 0 0	134 0 0
34s	Fair Adelaide ... ..	...	...	...	...
260s	Fitzroy	Doncaster G.Ms., Ltd.	...	...	...
53s, 14s	Fremantle Consolidated	Fremantle Consolidated G.M. Co. (N.L.)	...	60 0 0	120 0 0
261s	General Lee ... ..	...	...	...	...
12s	Gladstone Extended ... ..	...	...	...	...
424s	Glennmore ... ..	...	...	55 0 0	88 0 0
49s	Golden Crest	Doncaster G.Ms., Ltd.	...	...	...
98s ... ..	...	Golden Plum Consolidated G.M. Co.	...	...	...
256s	Goulburn Extended ... ..	...	...	25 6 0	10 2 5
93s ... ..	...	Great Dyke and Orizaba Cement Claims, Ltd.	...	5 0 0	15 0 0
442s	Great Junction ... ..	...	...	20 0 0	33 4 0
450s	Great Matrix ... ..	...	...	...	...
61s	Hands Across the Sea }	Hand Across the Sea G.M. {	...	287 0 0	203 18 0
62s	Isa Muriel	Co., Ltd.	...	287 0 0	203 18 0
89s	Hands Across the Sea United	...	...	...	...
483s	Harp of Erin ... ..	...	...	...	...
447s	John Bull ... ..	...	...	...	...
462s	John Bull East ... ..	...	...	...	...
405s	Kieora ... ..	...	...	8 10 0	31 8 0
269s	Kinross ... ..	...	...	24 0 0	24 9 0
420s	Lady Alice ... ..	...	...	...	...
414s	Lady Elizabeth ... ..	...	...	...	...
3s	Lady Evelyn	Lady Evelyn Gold Mines, Ltd.	...	50 0 0	121 11 0
446s	Life Boat ... ..	...	...	...	...
47s ... ..	...	Limerick Gold Mines, Ltd.	...	...	...
6s ... ..	...	Lone Hand Gold Mines, Ltd.	...	...	...
450s	Louis D'Or Quartz Claim Matrix North ... ..	...	...	283 0 0	528 18 0
106s	Mexico ... ..	...	...	...	...
151s	Mexico Extended ... ..	...	...	...	...
248s	Multum in Parvo ... ..	...	...	...	...
459s	Mystery ... ..	...	...	...	...
448s	Nil Desperandum ... ..	...	...	...	...
73s ... ..	...	Nordenfeldt Gold Mining Co.	...	...	...
334s	Nordenfeldt South ... ..	...	...	84 0 0	142 14 0
317s	Ora Banda ... ..	...	...	...	...
452s	Ora Banda Extended ... ..	...	...	...	...
99s	Orizaba ... ..	...	...	...	...
77s	Ormuz ... ..	...	...	...	...
377s	Pagoda ... ..	...	...	...	...
427s	Palmer ... ..	...	...	...	...
189s	Pantomime ... ..	...	...	...	...
243s	Pierce's Find ... ..	...	...	...	...
2s	Perry's Gold Reef ... ..	...	...	...	...
299s	Pole ... ..	...	...	...	...
369s	Pride of the Jourdies ... ..	...	...	...	...
79s ... ..	...	Premier Gold Mining Co. (N.L.)	...	1858 0 0	1135 3 4
Carried forward ... ..	...	...	54 2 0	3810 8 0	3319 14 18

* Dollied.

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	...	...	...	...	...	...	26 0 0	36 9 0
...	...	...	...	...	...	...	30 10 0	33 8 6
...	...	...	...	...	...	...	85 15 0	72 9 4
...	...	...	...	...	...	...	40 0 0	17 13 4
...	...	...	...	...	...	...	41 0 0	61 12 0
...	60 0 0	82 0 0	...	...	...	...	54 0 0	22 8 0
* 65 16 12	69 0 0	101 16 0	...	98 10 0	51 8 16	...	28 0 0	16 4 3
...	...	...	...	92 0 0	63 1 5	...	138 0 0	110 7 0
...	...	...	...	100 0 0	43 7 11	...	68 0 0	29 3 0
...
* 154 0 0	4 4 0	123 1 19	...	12 10 0	22 11 0	...	...	...
...
...	19 0 0	24 10 0	...	52 0 0	30 2 12	...	...	...
...	43 10 0	15 4 0	...	...	...	...	...	...
...	26 0 0	48 0 0	...	27 3 0	97 2 12	...	...	...
...	8 0 0	7 9 0	...	42 0 0	9 8 9	...	16 0 0	8 3 12
...	34 0 0	17 0 0	* 7 0 0	...	...	...	...	...
...
...	20 0 0	60 8 0	...	23 10 0	21 9 0	...	...	...
...	...	...	...	405 0 0	89 3 18	...	162 16 0	38 4 21
...	...	...	...	...	...	...	22 0 0	17 9 0
...	26 0 0	22 10 0	...	26 0 0	22 2 0	...	42 0 0	56 14 0
...	284 0 0	163 16 4	...	190 0 0	173 5 0	...	62 0 0	112 2 20
...	...	...	...	...	...	...	219 0 0	224 1 23
...
...	17 0 0	7 8 0	...	76 10 0	112 8 18	...	16 0 0	7 8 10
...	...	...	...	...	...	...	8 0 0	17 0 0
...	...	...	...	...	...	...	45 0 0	95 14 0
...	9 15 0	9 5 0	...	...	...	...	...	...
...	407 0 0	411 13 11	...	120 0 0	120 8 0	...	41 18 0	39 12 9
...	33 0 0	13 2 0	...	...	...	...	...	...
...	...	...	...	...	...	...	32 14 0	20 8 0
...	...	...	...	...	...	...	11 0 0	6 2 0
...	221 10 0	366 0 0	...	20 0 0	26 11 0	...	102 0 0	89 9 15
...	66 0 0	37 18 0	...	275 0 0	407 12 0	...	...	cy 165 10 0
...	...	...	...	...	...	...	...	pl 59 15 0
...	...	...	...	...	...	...	33 0 0	38 10 23
...	...	...	...	10 0 0	5 0 0	...	...	...
...	39 0 0	113 0 0	...	354 0 0	369 12 0	...	54 0 0	42 6 15
...	...	...	...	65 0 0	72 0 0	...	81 10 0	69 0 0
...	455 0 0	426 2 0	...	...	...	...	...	** 31 3 15
...	39 0 0	35 8 0	...	1256 0 0	1279 7 0	...	971 5 0	648 3 0
...	23 0 0	48 0 0	...	...	...	...	54 10 0	31 5 0
...	...	...	...	38 0 0	60 0 0	...	60 0 0	20 17 0
...	...	...	...	28 10 0	64 10 0	...	92 0 0	164 0 0
...	...	...	...	40 0 0	46 0 0	...	350 0 0	334 11 3
...	2680 0 0	1881 3 0	...	2177 0 0	1262 2 2	...	2870 0 0	1584 19 13
219 16 12	4583 19 0	4014 14 10	7 0 0	5688 13 0	4587 14 19	...	5357 18 0	4322 6 4

* Dollied.

§ Belongs to second quarter.

** From sweepings.

cy From 150 tons tailing

From plates.

TABLE No. II.—Return of

Coolgardie

KUNANALLING

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Brought forward ...	...	54 2 0	3810 8 0	3319 14 18
74s	...	Premier South Gold Mining Co.	...	164 0 0	121 15 0
45s	Quartz Claim 16s	Royal Sovereign Gold Mining Co., Ltd.	...	73 0 0	166 0 0
441s	Rising Star	Sugar Loaf 25-Mile Cement Leases, Ltd.	}	...	...
376s	Stanley			...	...
161s	Catherine			...	...
132s	Great Scott			...	...
359s	Kintore North			...	...
409s	Sugar Loaf			...	...
94s	Trident			...	...
16s	Vincent			...	...
124s	Waverley	...	25 0 0	74 6 0	
100s	Hilton	W.A. Proprietary Cement Leases, Ltd.	}	100 0 0	14 4 0
105s	Ophelia			321 0 0	28 0 0
17s	...	Wealth of Nations, Ltd.	...	1670 0 0	1404 7 12
453s	Westralian Premier	...	...	...	...
378s	Zealandia	...	...	...	...
383s	Zuleika	...	40 0 0	44 5 0	...
382s	Zuleika North	...	...	...	...
			54 2 0	6203 8 0	5257 7 6

KUNANALLING

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
464s	Admiral Dewey	...	...	26 0 0	36 9 0
319s	A. Golden	...	...	...	...
463s	Bantam	...	...	30 10 0	33 8 6
295s	Belavon	...	...	...	...
439s	Big Blow	...	...	187 15 0	152 11 4
71s, 162s	...	Blackett's G.Ms., Ltd.	...	478 13 0	255 19 0
11s	Brevier	...	...	34 10 0	17 5 12
444s	British Lion	...	...	34 0 0	57 18 0
458s	Broncho	...	...	40 0 0	17 13 4
119s, 181s	...	Bunyip G.Ms., Ltd.	...	...	...
152s	Camperdown	...	...	...	...
86s	Caroline	...	...	...	...
123s	Castle Hill	...	...	101 0 0	143 12 0
404s	Castle View East	...	...	152 10 0	73 16 16
113s	...	Central Wealth of Nations, Limited	119 18 12	229 0 0	193 16 20
64s	...	City of London G.Ms., Ltd.	...	313 0 0	186 0 11
432s	Corneuba	...	...	12 0 0	6 0 0
15s	Daddy	...	...	50 0 0	33 15 0
445s	Daisy Bell	...	...	100 10 0	79 14 0
115s, 355s	Dark Horse and Holland's Reward	...	154 0 0	4 4 0	123 1 19
428s	Daybreak	...	...	25 9 0	50 7 0
111s	Emu	...	...	102 0 0	146 16 9
449s	Empress of the Jourdies	...	...	43 10 0	15 4 0
241s	Eureka	late Denver City Mines	}	...	...
225s	Victor			74 3 0	279 2 12
34s	Fair Adelaide	...	...	8 0 0	7 9 0
260s	Fitzroy	Doncaster G.Ms., Ltd.	...	58 0 0	17 11 21
53s, 14s	Fremantle Consolidated	Fremantle Consolidated G.M. Co. (N.L.)	7 0 0	94 0 0	137 0 0
261s	General Lee	...	...	...	...
12s	Gladstone Extended	...	...	...	...
424s	Glenmore	...	...	98 10 0	169 17 0
49s	Golden Crest	Doncaster G.Ms., Ltd.	...	567 16 0	127 8 15
98s	...	Golden Plum Consolidated G.M. Co.	...	...	...
256s	Goulburn Extended	...	...	47 6 0	27 11 5
93s	...	Great Dyke and Orizaba Cement Claims, Ltd.	...	5 0 0	15 0 0
	Carried forward	...	280 18 12	2917 6 0	2384 8 10

cy From 400 tons tailings.

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
219 16 12	4583 19 0	4014 14 10	7 0 0	5688 13 0	4587 14 19	...	5357 18 0	4322 6 4
...	214 0 0	32 0 0	...	350 0 0	88 14 16	...	85 0 0	26 10 0
...	...	...	...	...	...	* 94 0 0	3 7 0	29 0 0
...	...	...	...	...	...	...	17 0 0	30 7 12
...	13 0 0	13 0 15	...	...	...	...	...	...
...
...	...	...	...	4 0 0	8 11 4	...	...	...
...	...	...	...	34 0 0	72 16 4	...	...	...
...	...	...	...	8 0 0	17 2 8	...	...	...
...	40 0 0	124 8 20	...	4 0 0	8 11 4	...	63 10 0	153 15 0
...
...	21 0 0	9 10 0	...	...	...	...	...	...
...	61 15 0	105 17 12	...	54 15 0	139 18 0	...	54 6 0	55 18 0
...	...	...	...	...	...	...	39 11 1	38 15 9
...	...	cy 58 18 5	...	...	pl 62 11 0	...	13 3 3	12 18 11
...
...	1940 0 0	1177 6 0	...	2180 0 0	1084 7 18	...	1925 0 0	879 17 12
...	...	...	...	...	...	...	18 10 0	126 8 12
...
...	47 0 0	177 18 0	...	150 0 0	151 12 0	...	81 0 0	34 10 0
...
219 16 12	6920 14 0	5713 13 14	7 0 0	8473 8 0	6221 19 1	94 0 0	7658 6 0	5710 6 12

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
...	...	...	...	26 0 0	36 9 0	1 8 0	3 18 0
72 0 0	14 2 0	105 0 0	72 0 0	14 2 0	105 0 0	7 0 10	
...	...	...	...	30 10 0	33 8 6	1 1 21	3 8 4
...	48 0 0	51 4 0	...	48 0 0	51 4 0	1 1 8	
...	...	...	...	187 15 0	152 11 4	0 16 6	3 18 0
...	334 12 0	318 5 13	...	813 5 0	574 4 13	0 14 0	
...	70 0 0	33 0 0	...	104 10 0	50 5 12	0 9 14	
...	...	...	...	34 0 0	57 18 0	1 14 1	3 17 10
...	...	...	...	40 0 0	17 13 4	0 8 19	
...	100 0 0	213 5 0	...	100 0 0	213 5 0	2 2 15	
...	0 1 0	100 0 0	...	0 1 0	100 0 0	...	
15 4 0	6 0 0	24 12 0	15 4 0	6 0 0	24 12 0	4 2 0	
...	...	...	...	101 0 0	143 12 0	1 8 10	3 17 6
...	...	...	...	152 10 0	73 16 16	0 9 16	3 15 6
...	...	...	119 18 12	229 0 0	193 16 20	0 16 22	3 15 0
...	406 0 0	486 17 0	...	719 0 0	672 17 11	0 18 17	
...	...	...	...	12 0 0	6 0 0	0 10 0	
...	...	...	...	50 0 0	33 15 0	0 13 12	
...	...	...	...	100 10 0	79 14 0	0 15 20	3 17 10
55 0 0	0 3 0	186 6 0	209 0 0	4 7 0	309 7 19	...	
...	28 0 0	42 10 0	...	53 9 0	92 17 0	1 14 17	
...	...	...	...	102 0 0	146 16 9	1 8 18	4 0 0
...	...	...	...	43 10 0	15 4 0	0 6 23	
...	24 0 0	9 7 0	...	24 0 0	9 7 0	0 7 19	
...	8 0 0	112 0 0	...	82 3 0	391 2 12	4 15 5	
...	10 0 0	16 0 0	...	18 0 0	23 9 0	1 6 1	
...	...	...	...	58 0 0	17 11 21	0 6 0	
...	40 0 0	243 10 0	7 0 0	134 0 0	380 10 0	2 16 19	4 0 0
...	20 0 0	11 7 0	...	20 0 0	11 7 0	0 11 8	
...	80 0 0	23 0 0	...	80 0 0	23 0 0	0 5 18	
...	...	...	...	98 10 0	169 17 0	1 14 11	3 16 6
...	10 0 0	5 0 0	...	577 16 0	132 8 15	0 4 14	4 1 9
...	85 0 0	2 0 0	...	85 0 0	2 0 0	0 0 11	
...	...	...	...	47 6 0	27 11 5	0 11 15	
...	3532 0 0	1110 6 0	...	3537 0 0	1125 6 0	0 6 8	
142 0 0	4815 18 0	3093 9 13	423 2 12	7733 4 0	5497 17 23		

* Dollied.

cy From 245 tons tailings.

pl From plates.

TABLE No. II.—Return of

Coolgardie

KUNANALLING

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tous cwts. qrs.	ozs. dwts. grs.
	Brought forward ...	...	280 18 12	2917 6 0	2384 8 10
442s	Great Junction ...	...	...	114 0 0	134 10 0
450s	Great Matrix ...	...	...	62 0 0	112 2 20
61s	Hands Across the Sea {	Hands Across the Sea G.M. {	...	980 0 0	765 1 3
62s	Isa Muriel ...	Co., Ltd. ...	...	287 0 0	203 18 0
89s	Hands Across the Sea United	...	...	...	...
483s	Harp of Erin ...	...	...	16 0 0	7 8 10
447s	John Bull ...	...	...	101 10 0	136 16 18
462s	John Bull East ...	...	...	45 0 0	95 14 0
405s	Kieora ...	...	...	8 10 0	31 8 0
269s	Kinross ...	...	...	24 0 0	24 9 0
420s	Lady Alice ...	...	...	...	...
414s	Lady Elizabeth ...	...	...	9 15 0	9 5 0
3s	Lady Evelyn ...	Lady Evelyn Gold Mines, Ltd.	...	618 18 0	693 4 20
446s	Life Boat ...	...	...	33 0 0	13 2 0
47s	...	Limerick Gold Mines, Ltd.	...	...	...
6s	...	Line Hand Gold Mines, Ltd.	...	...	...
	Louis D'Or Quartz Claim	...	...	32 14 0	20 8 0
450s	Matrix North ...	...	...	11 0 0	6 2 0
106s	Mexico ...	...	...	122 0 0	116 0 15
151s	Mexico Extended ...	...	...	779 10 0	1527 15 0
248s	Multum in Parvo ...	...	...	66 0 0	37 18 0
459s	Mystery ...	...	...	...	...
448s	Nil Desperandum ...	...	...	33 0 0	38 10 23
73s	...	Nordenfeldt Gold Mining Co.	...	10 0 0	5 0 0
334s	Nordenfeldt South ...	...	...	408 0 0	411 18 15
317s	Ora Banda ...	...	...	123 0 0	255 14 0
452s	Ora Banda Extended ...	...	...	81 10 0	69 0 0
99s	Orizaba ...	...	...	65 0 0	72 0 0
77s	Ormuz ...	...	...	...	31 3 15
377s	Pagoda ...	...	...	2682 5 0	2353 12 0
427s	Palmer ...	...	...	...	...
189s	Pantomime ...	...	...	93 10 0	66 13 0
243s	Pierce's Find ...	...	...	121 0 0	128 17 0
2s	Perry's Gold Reef ...	...	...	...	...
299s	Pole ...	...	...	120 10 0	228 10 0
369s	Pride of the Jourdies ...	...	...	390 0 0	380 11 3
79s	...	Premier Gold Mining Co. (N.L.)	...	...	...
74s	...	Premier South Gold Mining Co.	...	9085 0 0	5863 7 19
	Quartz Claim 16s	...	94 0 0	3 7 0	29 0 0
45s	...	Royal Sovereign Gold Min- ing Co., Ltd.	...	90 0 0	196 7 12
441s	Rising Star ...	...	...	13 0 0	13 0 15
376s	Stanley ...	...	...	...	...
161s	Catherine ...	...	...	4 0 0	8 11 4
132s	Great Scott ...	Sugar Loaf 25-Mile Cement Leases, Ltd.	}	34 0 0	72 16 4
359s	Kintore North ...			8 0 0	17 2 8
409s	Sugar Loaf ...			107 10 0	286 15 0
94s	Trident ...	...	...	...	...
16s	Vincent ...	...	...	21 0 0	9 10 0
124s	Waverley ...	...	...	195 16 0	375 19 12
100s	Hilton ...	W.A. Proprietary Cement Leases, Ltd.	}	473 15 0	300 2 1
105s	Ophelia ...			...	...
17s	...	Wealth of Nations, Ltd.	...	7715 0 0	4545 18 18
453s	Westralian Premier ...	...	...	18 10 0	126 8 12
378s	Zealandia ...	...	...	...	...
383s	Zuleika ...	...	...	318 0 0	408 5 0
382s	Zuleika North ...	...	...	...	...
			374 18 12	29255 16 0	22903 6 9

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
142 4 0	4815 18 0	3093 9 13	423 2 12	7733 4 0	5497 17 23	...	
...	...	...	...	114 0 0	134 10 0	1 3 14	
...	...	...	...	62 0 0	112 2 20	1 16 3	3 17 6
...	335 0 0	237 18 0	...	1315 0 0	1002 19 3	0 15 6	3 17 0
...	...	...	...	287 0 0	203 18 0	0 14 5	
...	30 0 0	33 0 0	...	30 0 0	33 0 0	1 2 0	
...	...	...	...	16 0 0	7 8 10	0 9 6	
...	...	...	...	101 10 0	136 16 18	1 6 23	3 17 0
...	...	...	...	45 0 0	95 14 0	2 2 12	3 17 0
...	20 0 0	134 7 0	...	28 10 0	165 15 0	5 16 7	
...	...	...	...	24 0 0	24 9 0	1 0 9	
...	28 0 0	23 10 0	...	28 0 0	23 10 0	0 16 18	
...	...	...	...	9 15 0	9 5 0	0 18 23	
...	10 0 0	50 0 0	...	628 18 0	743 4 20	1 3 15	3 11 0
...	...	...	...	33 0 0	13 2 0	0 7 22	
...	100 0 0	28 0 0	...	100 0 0	28 0 0	0 5 14	
...	80 0 0	94 2 12	...	112 14 0	114 10 12	1 0 6	
...	...	...	...	11 0 0	6 2 0	0 11 2	
...	...	...	...	122 0 0	116 0 15	0 19 0	3 15 0
...	731 0 0	1542 0 0	...	1510 10 0	3069 15 0	2 0 15	3 8 0
...	...	...	...	66 0 0	37 18 0	0 11 11	
...	55 0 0	68 16 0	...	55 0 0	68 16 0	1 5 0	
...	...	...	...	33 0 0	38 10 23	1 3 8	3 10 0
...	...	...	...	10 0 0	5 0 0	0 10 0	
...	231 10 0	374 15 0	...	639 10 0	786 13 15	1 10 20	4 1 5½
...	50 0 0	92 3 0	...	173 0 0	347 17 0	2 0 5	
...	120 0 0	165 15 19	...	201 10 0	234 15 19	1 3 7	
...	...	...	...	65 0 0	72 0 0	1 2 3	3 17 0
...	...	...	...	...	31 3 15	...	3 10 0
...	35 10 0	8 10 0	...	2717 15 0	2362 2 0	0 17 9	3 17 6
...	25 0 0	5 0 0	...	25 0 0	5 0 0	0 4 0	
...	...	...	...	93 10 0	66 13 0	0 14 6	3 17 6
...	...	...	...	121 0 0	128 17 0	1 1 7	3 17 6
...	10 0 0	60 0 0	...	10 0 0	60 0 0	6 0 0	
...	...	...	...	120 10 0	228 10 0	1 17 22	3 17 0
...	50 0 0	89 16 0	...	440 0 0	470 7 3	1 1 9	3 15 0
...	44 0 0	100 0 0	...	44 0 0	100 0 0	2 5 10	
...	7499 0 0	11209 8 18	...	16584 0 0	17072 16 13	1 0 14	3 18 0
...	69 0 0	126 2 0	...	882 0 0	395 1 16	0 8 23	3 18 6
...	...	...	94 0 0	3 7 0	29 0 0	8 13 3	3 17 0
...	2 0 0	30 0 0	...	92 0 0	226 7 12	2 9 5	3 17 6
...	...	...	...	13 0 0	13 0 15	1 0 1	
...	23 0 0	11 0 0	...	23 0 0	11 0 0	0 9 3	
...	...	...	...	4 0 0	8 11 4	2 2 19	
...	...	...	...	34 0 0	72 16 4	2 2 19	3 16 6
...	...	...	...	8 0 0	17 2 8	2 2 19	
...	146 0 0	746 12 0	...	253 10 0	1033 7 0	4 1 12	
...	100 0 0	32 0 0	...	100 0 0	32 0 0	0 6 9	
...	74 10 0	44 15 0	...	95 10 0	54 5 0	0 11 8	
...	20 0 0	30 7 0	...	215 16 0	406 6 12	1 17 11	4 0 0
...	2362 0 0	6836 0 0	...	2835 15 0	7136 2 1	2 10 7	4 4 0
...	1740 0 0	801 18 0	...	1740 0 0	801 18 0	0 9 5	4 4 0
...	...	...	...	7715 0 0	4545 18 18	0 11 18	3 15 0
17 6 12	...	...	17 6 12	18 10 0	126 8 12	6 16 16	3 12 6
...	25 0 0	5 0 0	...	25 0 0	5 0 0	0 4 0	
...	...	...	...	318 0 0	408 5 0	1 5 16	
...	26 0 0	38 14 0	...	26 0 0	38 14 0	1 9 18	
159 10 12	18857 8 0	26112 19 14	534 9 0	48113 4 0	49016 5 23	1 0 9	

Yilgarn

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
374	Ardath ... ..	...	...	...	...
216 ... ..	...	Carlisle G.M. Co. ... ..	...	...	...
279 ... ..	...	Central G.M. Co., N.L. ... ..	...	175 0 0	67 10 0 <i>pl</i> 129 11 0 **88 15 0
280 ... ..	...	Central Extd. G.M. Co., N.L. ... ..	...	...	...
13 ... ..	...	Fraser's G.M. Co., N.L. ... ..	...	5900 0 0	2472 14 12
29 ... ..	...	Fraser's South G.M. Co., Ltd. ... ..	...	...	...
256 ... ..	...	Fraser's South Extended G.M. Co., Ltd. ... ..	...	...	...
263	Golden Key Extended ... ..	...	...	...	...
448	Golden Pig North ... ..	...	...	...	...
19, 52, 288, 360 ... ..	...	Hope's Hill G.Ms., Ltd. ... ..	...	142 0 0	26 19 12 <i>con</i> 14 19 0
240	Just-in-Time ... ..	...	...	...	...
193	Kathleen ... ..	...	...	...	...
443	Lydia ... ..	...	...	...	...
212, 217, 233, 397 ... ..	...	Mt. Jackson G.Ms., Ltd. ... ..	...	...	...
416	Mount Rankin ... ..	...	...	...	...
250	Queen of Sheba ... ..	...	...	...	...
302	Royal Victoria South ... ..	...	...	...	...
454	Southern Cross Boulder ... ..	...	...	...	...
252	Tarcoola ... ..	...	...	...	...
276	Tarcoola North ... ..	...	...	...	...
230	Golden Pig	Water Trust and Public	...	450 0 0	77 3 12
253	Golden Pig No. 1	Crushing Co. of W.A., Ltd. ... ..	...	...	...
	Total ... ..	...	...	6667 0 0	2877 12 12

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
364	Ardath ... ..	...	...	...	...
216 ... ..	...	Carlisle G.M. Co. ... ..	...	...	...
279 ... ..	...	Central G.M. Co., N.L. ... ..	...	895 0 0	601 11 0
280 ... ..	...	Central Extended G.M. Co., N.L. ... ..	...	...	...
13 ... ..	...	Fraser's G.M. Co., N.L. ... ..	...	22900 0 0	9072 6 12
29 ... ..	...	Fraser's South G.M. Co., N.L. ... ..	...	...	...
256 ... ..	...	Fraser's South Extended G.M. Co., Ltd. ... ..	...	120 0 0	273 12 0
263	Golden Key Extended ... ..	...	...	20 0 0	12 11 0
448	Golden Pig North ... ..	...	...	...	...
19, 52, 288, 360 ... ..	...	Hope's Hill G.Ms., Ltd. ... ..	...	431 0 0	309 11 7
240	Just-in-Time ... ..	...	...	15 0 0	23 13 0
193	Kathleen ... ..	...	...	...	...
443	Lydia ... ..	...	...	...	...
212, 217, 233, 397 ... ..	...	Mt. Jackson G.Ms., Ltd. ... ..	...	1255 0 0	869 16 18
416	Mount Rankin ... ..	...	...	56 0 0	26 13 0
250	Queen of Sheba ... ..	...	...	...	...
302	Royal Victoria South ... ..	...	...	...	...
454	Southern Cross Boulder ... ..	...	...	50 0 0	10 15 0
252	Tarcoola ... ..	...	...	...	...
276	Tarcoola North ... ..	...	...	50 0 0	22 13 0
230	Golden Pig	Water Trust and Public	...	...	...
253	Golden Pig No. 1	Crushing Co. of W.A., Ltd. ... ..	...	2015 7 0	546 5 12
	Various other mines ... ..	...	...	...	...
	Total ... ..	...	...	27807 7 0	11769 8 1

pl From plates.*con*. 15 tons.

** Cleaning up around battery.

* Donnybrook

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
10	Bullington ... ..	...	...	...	...
2, 3, 11 ... ..	...	Hunter and Party ... ..	...	...	...

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
10	Bullington ... ..	...	...	8 0 0	5 3 0
2, 3, 11 ... ..	...	Hunter and Party ... ..	...	10 0 0	9 10 0
			...	18 0 0	14 13 0

* Not a proclaimed

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...
...
...
...
...	150 0 0	43 5 0	...	570 0 0	195 19 0	...	...	mg34 0 0 pl 42 11 0
...
...	6300 0 0	2685 9 12	...	5000 0 0	2079 12 0	...	5700 0 0	1834 10 12
...
...	...	...	...	...	...	...	120 0 0	273 12 0
...	...	...	...	20 0 0	12 11 0	...	...	...
...
...	259 0 0	84 4 7	...	30 0 0	15 8 12	...	...	...
...	...	pl 84 0 0	...	...	pl 84 0 0	...	...	...
...	15 0 0	23 13 0	...	...	...	...	...	...
...
...
...	...	...	...	375 0 0	262 2 18	...	880 0 0	607 14 0
...	...	...	...	...	...	...	56 0 0	26 13 0
...
...	50 0 0	10 15 0	...	...	...	...	...	...
...
...	...	...	...	...	...	...	50 0 0	11 11 0
...	...	...	...	...	...	...	...	cy 11 2 0
...	727 2 0	236 9 0	...	838 5 0	232 13 0	...	...	...
...
...	7501 2 0	3167 15 19	...	6833 5 0	2882 6 6	...	6806 0 0	2841 13 12

TOTAL PREVIOUS TO 1893.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
...	25 0 0	7 7 0	...	25 0 0	7 7 0	0 5 21	
...	36 0 0	58 15 0	...	36 0 0	58 15 0	1 12 15	
...	41366 0 0	21165 11 9	...	42261 0 0	21767 2 9	0 10 7	3 12 6
...	10210 0 0	5127 4 12	...	...	...	...
...	164 0 0	44 18 12	...	10374 0 0	5172 3 0	0 9 23	
...	78675 0 0	45894 3 12	...	101575 0 0	54966 10 0	0 10 19	3 13 0
...	48233 0 0	26157 13 12	...	48233 0 0	26157 13 12	0 10 20	
...	...	...	...	120 0 0	273 12 0	2 5 14	4 0 0
...	...	...	...	20 0 0	12 11 0	0 12 13	3 17 6
...	20 0 0	5 13 0	...	20 0 0	5 13 0	0 5 15	
...	29028 0 0	10157 0 0	...	29459 0 0	10466 11 7	0 7 2	4 0 0
...	...	...	...	15 0 0	23 13 0	1 11 12	3 18 0
...	130 0 0	271 17 0	...	130 0 0	271 17 0	2 1 19	
...	10 0 0	1 0 0	...	10 0 0	1 0 0	0 2 0	
...	1875 0 0	1241 2 0	...	3130 0 0	2110 18 18	0 13 11	3 10 0
...	...	...	...	56 0 0	26 13 0	0 9 12	3 10 0
...	2 0 0	1 10 0	...	2 0 0	1 10 0	0 15 0	
...	84 0 0	52 10 12	...	84 0 0	52 10 12	0 12 12	
...	...	...	...	50 0 0	10 15 0	0 4 7	3 18 0
...	11 0 0	19 16 0	...	11 0 0	19 16 0	1 16 0	
...	...	...	...	50 0 0	22 13 0	0 9 1	4 0 0
...	994 0 0	306 13 0	...	...	...	...
...	50 0 0	16 10 0	...	3059 7 0	869 8 12	0 5 16	3 7 6
738 3 12	...	...	738 3 12	...	...	...
738 3 12	210913 0 0	110529 4 21	738 3 12	238720 7 0	122298 12 22	0 10 5	

pl From plates. mg Magnettings. cy From 50 tons tailings.

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
...	8 0 0	5 3 0
...	10 0 0	9 10 0
...	18 0 0	14 13 0

TOTAL PREVIOUS TO 1893.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	£ s. d.
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	
...	8 0 0	5 3 0	0 12 21	
...	10 0 0	9 10 0	0 19 0	
...	18 0 0	14 13 0	0 16 6	

TABLE NO. II.—Return of

Dundas

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
475	Agnes Roberts ... ..	...	...	...
456	Ajax North ... ..	...	...	...
583	Albemarle ... ..	...	...	...
362, 379	Albion ... ..	...	...	...
515	Apsey South ... ..	...	...	...
39, 97 ... ..	...	All Nations G.Ms., Ltd.	...	...
...	Barker's Reward Claim No. 2	...	...	...
516	Birthday Gift ... ..	...	...	...
602	Birthday Extended ... ..	...	...	...
729	Block 14 Proprietary ... ..	...	...	...
571	Break o' Day ... ..	...	169 0 0	436 19 12
612	Break o' Day South ... ..	...	28 0 0	74 19 0
499, 536	Buldanias Bells ... ..	...	20 0 0	24 11 13
642	Buldanias Proprietary ... ..	...	...	...
717	Charlotte Simons ... ..	...	...	...
579, 690 ... ..	...	Cumberland G.M. Co. (N.L.)	2 5 0	708 10 0
143, 543	Day Dawn North ... ..	...	...	...
84, 85, 168, 196 228, 229, 152	...	Desirable Proprietary G.Ms., Ltd.	62 0 0	51 17 0	
155	Eclipse ... ..	...	...	...
128	Edwards ... ..	...	23 0 0	38 0 0
686	Edinburgh Castle	New Queensland Norseman G.M. Co. (N.L.)	...	...
226	Empire ... ..	...	...	...
275	Excelsior Magna ... ..	...	...	...
660	Federal ... ..	...	40 0 0	6 0 0
231	Four Jolly Smiths ... ..	...	...	...
706	Gift ... ..	...	...	...
376	Golden Allie ... ..	...	...	...
644	Iona ... ..	...	...	...
506	I.X.L. ... ..	...	...	...
177	Jessie Margaret ... ..	...	24 0 0	4 0 0
53	John Bull	Midas G.M. Co.	100 0 0	55 9 0	
649	Just-in-Time ... ..	...	30 0 0	2 0 0
454	Killaloe ... ..	...	...	...
96, 129 ... ..	...	Central Wealth Consolidated Goldfields, Ltd.	...	...
52, 71 ... ..	...	Kirkpatrick Mt. Benson G.M. Co. (N.L.)	...	...
693	Klondyke ... ..	...	15 0 0	11 5 0
712	Kyneton ... ..	...	...	...
49	Lady Mary	Lady Mary G.M. Co. (N.L.)	...	...
77 ... ..	...	Lady Mary South G.M. Co.	...	...
725	Lady Helen ... ..	...	...	...
695	Lily ... ..	...	35 0 0	22 15 0
610	Little Wonder ... ..	...	...	con 17 12 0
663	Lone Hand ... ..	...	...	...
108	Lucky Hit ... ..	...	...	...
703 (589)	Magill (late Magill Block)	...	...	...
704	Mararona ... ..	...	...	...
4 ... ..	...	Mawson's Reward Claim, Limited	...	...
91	Middleton ... ..	...	...	...
651	Minerva ... ..	...	...	...
666	Morrell ... ..	...	...	...
56	Maloney ... ..	...	...	...
54	Morning Star ... ..	...	...	...
681	Recoupe	Mt. Benson Gold Mining Co.	70 0 0	33 11 0	
14 ... ..	...	Mt. Barker Reward Gold Mining Co. (N.L.)	...	...
42, 43	Mt. Benson Extended and Mt. Beuson	{	485 0 0	393 19 0	
40	Mt. Barker No. 2 North	{	8 0 0	5 4 0	
16, 482, 685 ... ..	...	No. 1 North Norseman Gold Mining Co. (N.L.)	...	...
707	New Ophir ... ..	{	...	...
18, 19, 20, 21, 22, 24, 25, 26, 48, 94, 101, 102, 115, 116, 138, 235, 236, 611	...	Norseman Gold Mines, Ltd.	2131 0 0	1663 13 3	
15, 149 ... ..	...	Norseman Gold Mining Co. (N.L.)	100 0 0	22 18 0
98	Ophir ... ..	...	...	...
521	Pathway Hill ... ..	...	19 10 0	20 0 0
648	Princes of the West ... ..	{	...	...
187	Princess Royal No. 1 S th	{	...	...
106, 587, 650 ... ..	...	Princess Royal Gold Mining Co. (N.L.)	876 0 0	1700 16 9 cy 520 10 0
...	Carried forward ... ..	...	4237 15 0	5814 9 13

con From 2 tons concentrates.

cy From 896 tons tailings.

Ore Treated, etc.—continued.

Goldfield.

SECOND QUARTER OF 1898.			THIRD QUARTER OF 1898.			FOURTH QUARTER OF 1898.		
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.
ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.
...
...	...	...	...	11 0 0	11 19 12	...	...	...
...	...	...	...	129 0 0	107 16 0	...	...	...
...	...	...	...	...	cy ¹ 20 8 0	...	...	...
...	...	...	...	...	...	...	12 0 0	4 16 0
...
...	10 15 0	14 16 12	...	...	...	...	21 0 0	16 0 0
...
...	75 0 0	226 12 12	...	75 0 0	225 11 12	...	17 0 0	31 10 10
...	28 0 0	64 2 0	...	...	...	...	557 0 0	1220 9 12
...
...	18 0 0	7 2 9	...	...	...	...	30 10 0	16 18 0
...	...	...	...	12 0 0	3 0 0	...	...	...
...	1 5 0	195 1 0	...	0 6 0	123 7 0	...	416 6 0	493 12 0
...	...	...	...	...	...	...	21 0 0	8 15 0
...	...	...	...	745 0 0	66 14 0	...	50 0 0	44 19 6
...
...	206 0 0	339 9 4	...	230 0 0	414 4 0	...	166 0 0	203 18 21
...	33 10 0	11 0 0	...	...	...	...	1 15 0	0 6 19
...	...	...	...	...	...	...	31 0 0	6 0 13
...
...	4 0 0	3 0 0	...	33 0 0	10 4 12	...	...	...
...	...	...	...	...	...	...	196 0 0	81 13 12
...	6 5 0	2 3 0	...	...	...	...	...	...
...	44 10 0	9 10 0	...	...	...	...	...	...
...
...	10 0 0	23 14 0	...	104 0 0	150 8 0	...	100 0 0	55 12 0
...	...	...	...	...	...	...	...	cy ² 30 0 0
...	...	...	...	45 0 0	76 12 0	...	690 0 0	850 15 0
...	...	...	...	...	...	...	200 0 0	272 5 20
...	...	...	...	...	...	...	...	cy ³ 25 0 0
...	1035 0 0	1556 5 0	...	795 10 0	1538 12 0	...	12 0 0	5 8 0
...	...	...	...	...	...	...	1969 0 0	1823 8 0
...	...	...	...	...	...	...	80 0 0	96 6 0
...	106 0 0	46 14 0	...	115 0 0	42 2 0	...	6 0 0	3 14 12
...	...	...	...	...	...	...	22 0 0	11 19 0
...	63 0 0	26 8 0	...	...	...	...	...	...
...	...	...	...	15 0 0	17 0 14	...	35 0 0	8 3 0
...	...	...	...	...	...	...	279 10 0	179 15 0
...	...	...	...	...	...	...	118 0 0	63 10 20
...	23 0 0	3 15 0	...	...	...	...	...	...
...
...
...	...	...	...	...	...	...	19 10 0	9 0 0
...	559 0 0	385 2 12	...	454 0 0	301 1 12	...	369 0 0	218 9 0
...	...	...	...	...	...	...	...	cy ⁴ 160 14 0
...	360 0 0	122 0 0	...	360 0 0	132 4 0	...	50 0 0	5 12 0
...	...	...	...	...	...	...	462 0 0	249 14 0
...	25 0 0	14 15 0	...	13 0 0	5 1 2	...	...	cy ⁵ 35 2 0
...	...	cy ⁶ 5 0 0	...	...	...	...	...	...
...	2387 0 0	2863 17 0	...	2313 0 0	2534 15 18	...	2753 0 0	3085 19 17
...
...	...	...	...	...	...	...	28 0 0	17 2 17
...
...	...	...	...	44 0 0	32 5 20	...	...	...
...	...	...	...	...	cy ⁷ 5 4 0	...	...	...
...	1164 0 0	1953 15 19	...	1654 0 0	2166 11 0	...	2442 0 0	3264 16 0
...	...	cy ⁸ 573 1 19	...	...	cy ⁹ 207 7 0	...	...	cy ¹⁰ 103 9 0
...	6159 5 0	8447 4 15	...	7147 16 0	8192 9 6	...	1154 11 0	12704 15 11

cy¹ From 17 tons tailings. cy² From 90 tons tailings. cy³ From 75 tons tailings. cy⁴ From 630 tons tailings. cy⁵ From 172 tons tailings.
 cy⁶ From 10 tons tailings. cy⁷ From 16 tons tailings. cy⁸ From 1260 tons tailings. cy⁹ From 700 tons tailings. cy¹⁰ From 336 tons tailings.

TABLE NO. II.—Return of

Dundas

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	FIRST QUARTER OF 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tous cwts. qrs.	ozs. dwts. grs.
	Brought forward ...			4237 15 0	5814 9 13
390	Queen of the West ...			51 0 0 ⁸ / ₁₆	122 0 0
17, 57 ... ..	... ..	Royal Dane Gold Mining Co.		250 0 0	45 19 0
680	Scotia ... ..			...	...
29, 35, 36, 189, 483 ...	... ..	St. Agnes Gold Reefs, Ltd.		995 0 0	531 18 0
46	St. Agnes No. 2 North ...			25 0 0	12 5 0
702	St. Patrick ... ..			...	cy 8 0 0
608	Southern Cross			40 0 0	6 5 0
44, 139 ... ..	... ..	Sudden Norseman and Macedo- nia Gold Mining Co. (N.L.)		...	...
88	Three Colonies	Three Colonies Gold Mining Company (N.L.)		...	...
655	Three Kingdoms ... ..			...	...
220, 257	Three Stars	Three Stars Kirkpatrick G.M. Co. (N.L.)		...	...
710	Two in the Bush ... ..			...	...
114	Union ... ..			...	...
22, 24, 239 ... ..	... ..	Norseman G.Ms., Ltd. (late United Scotchmen G.Ms., Ltd.)		...	...
127	United Miners ... ..			...	...
137	Waratah			50 0 0	61 16 6
609	Waverley			25 0 0	3 0 0
403	Welcome ... ..			...	...
	Small parcels crushed at Bevilacqua's Battery ...			...	...
9	Quartz Claim ... ..			...	...
10	Quartz Claim ... ..			...	...
18	Quartz Claim } ... ..			...	...
19	Quartz Claim ) ... ..			...	...
	Agnes Roberts' Q.C. ... ..			...	...
	Tiara Q.C. ... ..			...	...
	Wilgena Q.C. ... ..			...	...
				5673 15 0 ⁸ / ₁₆	6605 12 19

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dollied and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tous cwts. qrs.	ozs. dwts. grs.
475	Agnes Roberts ... ..			...	...
456	Ajax North			11 0 0	11 19 12
583	Albemarle			129 0 0	128 4 0
362, 379	Albion			12 0 0	4 16 0
515	Apsey South ... ..			...	...
39, 97 ... ..	... ..	All Nations G.Ms., Ltd.		...	...
	Barker's Reward Claim No. 2 ... ..			...	...
516	Birthday Gift			31 15 0	30 16 12
602	Birthday Extended ... ..			...	...
729	Block 14 Proprietary			17 0 0	31 10 10
571	Break o' Day			876 0 0	2109 13 0
612	Break o' Day South			56 0 0	139 1 0
499, 536	Buldania Bells			50 10 0	41 9 13
642	Buldania Proprietary			18 0 0	7 2 9
717	Charlotte Simons			12 0 0	3 0 0
579, 690 ... ..	... ..	Cumberland G.M. Co. (N.L.)		420 2 0	1520 10 0
443, 543	Day Dawn North			21 0 0	8 15 0
18, 85, 168, 196, 228, 229, 152 ... ..	... ..	Desirable Proprietary G.Ms., Ltd.		857 0 0	163 10 6
155	Eclipse ... ..			...	...
128	Edwards			625 0 0	995 12 1
686	Edinburgh Castle	New Queensland Norseman G.M. Co. (N.L.)		35 5 0	11 6 19
226	Empire			31 0 0	6 0 13
275	Excelsior Magna ... ..			...	...
660	Federal			40 0 0	6 0 0
231	Four Jolly Smiths			37 0 0	13 4 12
706	Gift			196 0 0	81 13 12
376	Golden Allie			6 5 0	2 3 0
644	Iona			44 10 0	9 10 0
506	I.X.L. ... ..			...	...
177	Jessie Margaret			24 0 0	4 0 0
53	John Bull	Midas G.M. Co.		314 0 0	315 3 0
649	Just-in-Time			30 0 0	2 0 0
454	Killaloe ... ..			...	...
	Carried forward			3894 7 0	5647 0 23

cy From 18 tons tailings.

TABLE No. II.—Return of

Dundas

Number of Lease, Claim, or Area.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	TOTAL FOR YEAR 1898.		
			Dolled and Specimens.	Ore treated.	Gold therefrom.
			ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.
	Brought forward ...			3894 7 0	5647 0 23
96, 129	...	Central Wealth Consolidated Goldfields, Ltd.	...	735 0 0	927 7 0
52, 71	...	Kirkpatrick Mt. Benson G.M. Co. (N.L.)	...	200 0 0	297 5 20
693	Klondyke ...	...	...	15 0 0	11 5 0
712	Kyneton ...	...	...	12 0 0	5 8 0
49	Lady Mary ...	Lady Mary G.M. Co. (N.L.)	...	3799 10 0	4918 5 0
77	...	Lady Mary South G.M. Co.	...	80 0 0	96 6 0
725	Lady Helen ...	...	...	6 0 0	3 14 12
695	Lily ...	...	...	278 0 0	123 10 0
610	Little Wonder ...	...	...	...	17 12 0
663	Lone Hand ...	...	...	...	...
108	Lucky Hit ...	...	...	63 0 0	26 8 0
703 (589)	Magill (late Magill Block)	...	...	50 0 0	25 3 14
704	Mararora ...	...	...	279 10 0	179 15 0
4	...	Mawson's Reward Claim, Ltd.	...	118 0 0	63 10 20
91	Middleton ...	...	...	23 0 0	3 15 0
651	Minerva ...	...	...	...	...
666	Morrell ...	...	...	...	...
56	Maloney ...	...	...	...	...
54	Morning Star ...	...	...	...	...
681	Recoupe ...	Mt. Benson G.M. Co.	...	70 0 0	33 11 0
14	...	Mt. Barker Reward Gold Mining Co. (N.L.)	...	19 10 0	9 0 0
42, 43	Mt. Benson Extended and Mt. Benson	...	...	1867 0 0	1459 6 0
40	Mt. Barker No. 2 North	...	...	58 0 0	10 16 0
16, 482, 685	...	No. 1 North Norseman G.M. Co. (N.L.)	...	1182 0 0	539 0 0
707	New Ophir ...	...	...	38 0 0	24 16 2
18, 12, 20, 21, 22, 24, 25 26, 48, 94, 101, 102, 115, 116, 138, 235, 236, 611	...	Norseman Gold Mines, Ltd.	...	9584 0 0	10148 5 14
15, 149	...	Norseman G.M. Co. (N.L.)...	...	128 0 0	40 0 17
98	Ophir ...	...	...	...	...
521	Pathway Hill ...	...	...	...	...
648	Princes of the West ...	...	...	63 10 0	57 9 20
187	Princess Royal No. 1 S'th.	...	...	...	...
106, 587, 650	...	Princess Royal Gold Mining Co. (N.L.)	...	6136 0 0	10490 6 23
390	Queen of the West.	...	...	119 0 0 ^{5/8}	255 7 12
17, 57	...	Royal Dane Gold Mining Co.	...	250 0 0	45 19 0
680	Scotia ...	...	...	70 0 0	31 10 16
29, 35, 36, 189, 483	...	St. Agnes Gold Reefs, Ltd.	...	1080 0 0	593 16 0
46	St. Agnes No. 2 North	...	...	48 0 0	37 8 0
702	St. Patrick ...	...	...	135 18 0	68 9 14
608	Southern Cross ...	...	...	40 0 0	6 5 0
44, 139	...	Sudden Norseman and Mace- donia G.M. Co. (N.L.)	...	...	...
88	Three Colonies ...	Three Colonies Gold Mining Co. (N.L.)	...	32 0 0	13 0 0
655	Three Kingdoms ...	...	...	30 10 0	13 3 0
220, 257	Three Stars ...	Three Stars Kirkpatrick G.M. Co. (N.L.)	...	...	...
710	Two in the Bush ...	...	...	69 0 0	35 12 16
114	Union ...	...	...	196 0 0	50 7 0
22, 24, 239	...	Norseman G.Ms., Ltd. (late United Scotchmen G.Ms., Ltd.)	...	...	...
127	United Miners ...	...	...	...	...
137	Waratah ...	...	...	90 0 0	79 6 6
609	Waverley ...	...	...	25 0 0	3 0 0
403	Welcome ...	...	...	...	...
	Small parcels crushed at Bevilacqua's Battery	...	...	...	356 10 3
9	Quartz Claim ...	...	...	15 10 0	8 4 17
10	Quartz Claim ...	...	...	8 0 0	3 18 21
18	{ Quartz Claim }	...	...	1 2 0	18 4 12
19	{ Quartz Claim }	...	...	...	...
	Agnes Roberts' Q.C.	...	...	5 12 0	...
	Tiara Q.C.	...	...	7 0 0	7 9 12
	Wilgena Q.C.	...	...	6 0 0	5 0 8
		...	...	6 0 0	1 6 0
				5 12 0	30928 7 0 ^{5/8}
					36792 17 14

Ore Treated, etc.—continued.

Goldfield—continued.

TOTAL PREVIOUS TO 1898.			TOTAL GOLD PRODUCTION.				Mint Value of Gold per Oz.
Dollied and Specimens.	Ore treated.	Gold therefrom.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	
ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	tons cwts. qrs.	ozs. dwts. grs.	ozs. dwts. grs.	£ s. d.
...	5604 16 2	6570 16 23	...	9499 3 2	12217 17 22		
...	...	...	...	735 0 0	927 7 0	1 5 5	
...	...	...	...	200 0 0	297 5 20	1 9 17	3 18 0
...	...	...	...	15 0 0	11 5 0	0 15 0	
...	...	...	...	12 0 0	5 8 0	0 9 0	3 5 0
...	...	...	...	3799 10 0	4918 5 0	1 5 21	3 18 0
...	...	...	...	80 0 0	96 6 0	1 4 1	
...	...	...	...	6 0 0	3 14 12	0 12 10	3 10 0
...	...	...	...	278 0 0	123 10 0	0 8 21	3 2 6
...	316 0 0	358 5 3	...	316 0 0	375 17 3	1 3 18	
...	150 0 0	16 10 0	...	150 0 0	16 10 0	0 2 4	
...	...	...	...	63 0 0	26 8 0	0 8 9	
...	25 0 0	26 0 0	...	75 0 0	51 3 14	0 13 15	3 17 6
...	...	...	...	279 10 0	179 15 0	0 12 20	3 17 0
...	1567 10 0	1198 15 16	...	1685 10 0	1262 6 12	0 14 23	
...	...	...	...	23 0 0	3 15 0	0 3 6	
...	17 10 0	16 1 10	...	17 10 0	16 1 10	0 18 8	
77 10 0	...	...	77 10 0	...	...	...
...	70 0 0	73 0 0	...	70 0 0	73 0 0	1 0 20	
...	50 0 0	17 10 0	...	50 0 0	17 10 0	0 7 0	
...	30 0 0	16 10 0	...	100 0 0	50 1 0	0 10 0	3 15 6
...	...	...	...	19 10 0	9 0 0	0 9 5	
...	612 8 0	546 3 12	...	2479 8 0	2005 9 12	0 16 4	
...	...	...	...	58 0 0	10 16 0	0 3 17	
...	501 0 0	509 1 0	...	1683 0 0	1048 1 0	0 12 10	3 5 0
...	...	...	...	38 0 0	24 16 2	0 13 1	
...	||2499 0 0	||2854 13 14	...	12083 0 0	13002 19 4	1 1 12	3 12 0
...	
...	328 0 0	130 14 0	...	456 0 0	170 14 17	0 7 11	
...	622 15 0	771 0 0	...	622 15 0	771 0 0	1 4 18	
...	73 0 0	6 0 0	...	73 0 0	6 0 0	0 1 15	
...	33 0 0	25 1 4	...	96 10 0	82 11 0	0 17 2	
...	358 0 0	640 0 0	...	358 0 0	640 0 0	1 15 18	
...	||2094 0 0	||5229 1 0	...	8230 0 0	15719 7 23	1 18 4	3 16 0
...	
...	78 0 0	26 6 0	...	119 0 0	255 7 12	2 2 22	
...	...	...	...	328 0 0	72 5 0	0 4 9	
...	...	...	...	70 0 0	31 10 16	0 9 0	3 15 0
...	430 0 0	329 13 0	...	1510 0 0	923 9 0	0 12 4	
...	60 10 0	55 1 0	...	108 10 0	92 9 0	0 17 0	
...	...	...	...	135 18 0	68 9 14	0 10 1	
...	...	...	...	40 0 0	6 5 0	0 3 3	
...	249 0 0	143 0 0	...	249 0 0	143 0 0	0 11 11	
...	
...	240 0 0	169 17 0	...	272 0 0	182 17 0	0 13 10	
...	
...	62 15 0	11 3 0	...	93 5 0	24 6 0	0 5 5	
...	20 0 0	24 0 0	...	20 0 0	24 0 0	1 4 0	
...	
...	289 0 0	207 9 0	...	69 0 0	35 12 16	0 10 7	
...	3322 0 0	3134 14 0	...	485 0 0	257 16 0	0 10 15	
...	...	...	...	3322 0 0	3134 14 0	0 18 20	
...	
...	0 10 0	0 7 0	...	0 10 0	0 7 0	...	
...	16 0 0	5 0 0	...	106 0 0	84 6 6	0 15 21	
...	1 0 0	2 10 0	...	26 0 0	5 10 0	0 4 5	
...	29 15 0	8 0 0	...	29 15 0	8 0 0	0 5 9	
...	152 10 0	63 15 0	...	152 10 0	420 5 3	2 15 2	
...	...	...	...	15 10 0	8 4 17	0 5 8	
...	...	...	...	8 0 0	3 18 21	0 9 20	
...	...	...	5 12 0	1 2 0	18 4 12	...	
...	
...	...	...	...	7 0 0	7 9 12	1 1 8	
...	...	...	...	6 0 0	5 0 8	0 16 17	
...	...	...	...	6 0 0	1 6 0	0 4 8	
77 10 0	19902 19 2	23185 18 10	83 2 0	50831 6 2 ^s / ₂₈	59978 16 0	1 3 14	

TABLE NO. III.—Abstract of Concentrates,

Goldfield.	District.	Number of Lease.	Name of Lease.	Registered Name of Company.	Details.			
					Concentrates.			
					tons cwt. qrs.	ozs. dwts. grs.		
PEAK HILL	...	45P	Brilliant Central	...	...	...
		49P	Brilliant Central Extended	0 2 0	25 0 0	
MURCHISON	Nannine	160N	Newhaven	...	...	...
Do.	Day Dawn	1D, etc.	...	Consolidated Murchison Gold Mines, Ltd.	...	...
		12D	Phoenix	Yalgoo Proprietary and Prospecting Syndicate, Ltd.	*	5 0 0		
Do.	Mount Magnet	172M	Eclipse	...	...	...
		264M	Eclipse Extended	...	...	...
		401M	Homeward Bound	...	...	...
		7M, etc.	...	Murchison New Chum Gold Mines, Ltd.	15 0 0	25 15 5		
NORTH COOL-GARDIE	Menzies	2820z, etc.	...	Lady Shenton Gold Mines, Ltd.	101 0 0	368 10 21		
		3116z, etc.	...	London and Coolgardie Explorers, Ltd.	...	...
		3011z, etc.	...	Menzies Alpha Leases, Ltd.	*	5 3 20		
		2823z, etc.	...	Menzies Crusoe Gold Claims, Ltd.	...	...
		2824z, etc.	...	Menzies Gold Reefs Proprietary, Ltd.	...	...
		3277z, etc.	...	Menzies Kensington Gold Mines, Ltd.	...	...
		2843z, etc.	...	Menzies Mining and Exploration Corporation, Ltd.	0 10 0	2 18 0		
		2822z, etc.	...	Lady Harriet	...	...
		4890z, etc.	...	Picton Valley	...	1 0 0	3 4 0	
		3048z	...	Warrior	Warrior Menzies Gold Mining Company.	2 10 0	5 14 8	
			...	Various claims	...	6 0 0	1 19 0	
			Ularring	363U	Big Buck
				335U	Buninyong
		350U	Golden Lode	...	...	...
		8U	Mt. Higgins Property	...	...	...
		1U	Shamrock	...	...	...
		50U	...	Ularring Westralia G.M. Co., Ltd.	...	...
	Niagara	194G	Diamantina	...	7 10 0	4 2 12		
		275G	O'Shea	...	...	...
BROAD ARROW...	...	12w, etc.	...	Crown United G.M. Co., Ltd.	12 0 0	12 14 6		
		993w	Eureka	...	...	...
		47w	...	Lady Bountiful G.M. Co., N.L.	2 1 2	20 3 0		
		44w	...	Mona G.M. Co., Ltd.	*	8 4 0		
		17w	Mount Pleasant	1 9 0	1 14 0	
		325w	Wycheproof	...	...	...
NORTH-EAST COOLGARDIE	Kanowna	784x	Fitzroy Cement	...	...	...
			Foreign Public Crushing	Kalgoorlie Crushing and Cyanide Company	...	...
			Do.	Lake View South Battery	...	...
			...	Kanowna Carbine G.M. Co.	{	45 0 0	58 0 0	
			Local Public Crushing	White Feather Reward Battery	{	9 0 0	10 3 12	
			Small parcels crushed at	Kanowna Carbine Battery	{	
			Sunbeam	...	{	*	5 3 0	
			194x	...	White Feather Reward Claim, Ltd.	12 0 0	12 18 6	
			1x, etc.	
			Yerilla	16R, etc.	...	Triumph Leases, Ltd.	5 7 0	27 6 0
			Carried forward	...	...	

* No tonnage given.

Tailings, and Smeltings during 1898.

Details.				Totals.							
Tailings.		Smeltings.		Concentrates.		Tailings.		Smeltings.			
tons cwt. qrs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.	tons. cwt. qrs.	ozs. dwts. grs.	tons cwt. qrs.	ozs. dwts. grs.		
0 16 0	6 14 0	...	...	0 2 0	25 0 0	0 16 0	6 14 0	...	...
0 4 0	12 7 18	...	...	...	...	0 4 0	12 7 18	...	...
550 0 0	128 2 12	...	...	...	5 0 0	550 0 0	131 12 12	...	...
*	3 10 0	...	...	...	...	...	...	...	...
14 15 0	50 4 0	...	...	15 0 0	25 15 5	5285 16 0	2356 6 0	...	...
56 1 0	216 2 0	...	...	...	...	...	...	...	...
10 0 0	2 19 0	...	...	...	...	...	...	...	...
5205 0 0	2087 1 0	...	...	...	...	...	...	...	...
2600 0 0	2502 18 0	...	...	...	...	...	...	...	...
37 18 0	55 0 0	...	...	...	...	...	...	...	...
461 0 0	624 16 6	...	...	...	...	...	...	...	...
3720 0 0	1965 17 0	...	...	...	...	...	...	...	...
4682 0 0	2969 18 0	...	...	...	...	...	...	...	...
*	15 0 0	...	...	...	...	...	...	...	...
1120 0 0	258 12 8	...	...	...	...	...	...	...	...
220 0 0	32 4 0	...	...	...	...	...	...	...	...
4 10 0	0 7 3	...	...	...	...	...	...	...	...
41 0 0	10 18 16	...	...	...	...	...	...	...	...
...	...	...	...	111 0 0	387 10 1	12886 8 0	8435 11 9	...	...
*	8 1 6	...	...	...	...	...	...	...	...
*	35 10 0	...	...	...	...	...	...	...	...
2 0 0	2 1 16	...	...	...	...	...	...	...	...
13 0 0	7 16 0	...	...	...	...	...	...	...	...
*	7 19 6	...	...	...	...	...	...	...	...
32 0 0	4 10 0	...	...	...	...	...	...	...	...
...	...	...	...	...	...	47 0 0	65 18 4	...	...
4 0 0	2 12 4	...	...	...	...	...	...	...	...
...	...	...	...	7 10 0	4 2 12	4 0 0	2 12 4	...	...
10 0 0	2 4 12	...	...	...	...	...	...	...	...
1481 0 0	965 0 12	...	...	...	...	...	...	...	...
*	1 19 0	...	...	...	...	...	...	...	...
...	...	...	...	15 10 2	42 15 6	1491 0 0	969 4 0	...	...
10 0 0	0 17 0	...	...	...	...	...	...	...	...
175 0 0	70 1 12	...	...	...	...	...	...	...	...
120 0 0	88 0 0	...	...	...	...	...	...	...	...
484 0 0	125 8 0	...	...	...	...	...	...	...	...
*	56 6 9	...	...	...	...	...	...	...	...
470 0 0	167 4 0	...	...	...	...	...	...	...	...
...	...	...	...	66 0 0	86 4 18	1259 0 0	507 16 21	...	...
...	...	...	...	5 7 0	27 6 0	...	...	...	...
...	...	...	...	220 9 2	603 13 18	21524 4 0	12488 2 20	...	...

* No tonnage given.

TABLE NO. III.—Abstract

Goldfield.	District.	Number of Lease.	Name of Lease.	Registered Name of Company.	Details.	
					Concentrates.	
					tons cwt. qrs.	ozs. dwts. grs.
				Carried forward ... ..	...	...
NORTH - EAST COOLGARDIE	Bulong	14Y	White Horse ... ..	...	...	...
EAST COOLGARDIE	...	12E, etc. ...	...	African Gold Recovery Co. ...	9 4 3	4 12 18
		38E, etc. ...	...	Associated Gold Mines of W.A., Ltd.	...	...
		351E ...	...	Golden Horseshoe G.M. Co., Ltd.	...	...
		873E ...	...	Great Boulder Main Reef, Ltd.	...	...
		66E ...	...	Great Boulder Perseverance G.M. Co., Ltd.	...	...
		698E ...	...	Hannan's Brown Hill G.M. Co.	...	...
		31E ...	...	Ivanhoe Gold Corporation, Ltd.	...	...
		22E, etc. ...	...	Kalgurli Gold Mines, Ltd. ...	...	...
		25E ...	...	Lake View Consols	80 0 0	1601 6 19
		103E ...	...	Lake View South G.Ms., W.A., Ltd.	...	...
COOLGARDIE	Coolgardie	133, etc. ...	...	Bayley's United G.Ms., Ltd. ...	...	...
		126, etc. ...	...	Bendigo and Coolgardie Proprietary G.M. Co.	3 0 0	4 10 0
		134, etc. ...	...	Burbank's Birthday Gift G.M. Co.	...	...
		336, etc. ...	...	Lady Loch G.Ms., Ltd. ...	3 10 0	25 2 12
		3556 ...	Lily ... ..	...	2 0 0	6 0 0
		1093 ...	...	New Australasian G.Ms., Ltd.	2 9 1	29 1 0
		1610, etc. ...	...	North Burgess G.M. Co., Ltd.	1 15 0	9 19 0
		3282 ...	Princess Midas ... ..	...	6 0 0	1 13 0
		226 ...	...	Rosehill United G.M. Co., Ltd.	8 10 0	17 5 0
3520 ...	Telluride King ... ..	...	1 5 0	16 14 20		
Do.	Kunanalling	106s ...	Mexico ... ..	...	...	...
		105s ...	...	W.A. Proprietary Cement Leases	...	...
YILGARN	...	19, etc. ...	...	Hope's Hill G. Mines, Ltd. ...	15 0 0	14 19 0
		276 ...	Tareoola North ... ..	...	...	...
DUNDAS ... ..	...	583 ...	Albemarle ... ..	...	...	...
		52 ...	...	Kirkpatrick Mt. Benson G.M. Co., N.L.	...	...
		610 ...	Little Wonder ... ..	...	2 0 0	17 12 0
		53 ...	...	Midas G.M. Co. ... ..	...	...
		42, etc. ...	Mt. Benson and Mt. Benson Extended	...	...	...
		16, etc. ...	...	No. 1 North Norseman G.M. Co., N.L.	...	...
		707 ...	New Ophir ... ..	...	...	...
		648 ...	Prince of the West ... ..	...	...	...
		106, etc. ...	...	Princess Royal G.M. Co., N.L.	...	...
		46 ...	St. Agnes No. 2 North ... ..	...	...	...
		Other small parcels from	Bevilaqua's Battery ... ..	...	...

TABLE No. IV.

Return showing Quantity and Estimated Value of Mining Machinery in existence on the 31st December, 1898.

Goldfield.	District.	Government Public Batteries.	Steam Engines employed in Mining.	Steam Boilers employed in Mining.	Steam Engines employed in Reduction.	Steam Boilers employed in Reduction.	Oil Engines.	Pumps (Cornish lift or plunger).	Steam Pumps.	Tailings Pumps.	Single Winding Gear.	Double Winding Gear.	Whims.	Whips.	Rock Drills.	Air Compressors.	Stone-breakers.	Crushing Mills (Stamper Batteries), Active.	Number of Heads of Stampers.	Crushing Mills (Stamper Batteries), Hung up.	Number of Heads of Stampers.	Crushing Rollers.	* Tremain Mills.	* Huntington Mills.	* Otis and other Ball Mills.	Berdan Pans.	Wheeler's Pans.
Kimberley	1	1	6	2	...	5	2	1	2	25	3	45	1	...	1	...	4	4
Pilbarra	Marble Bar	...	6	5	6	5	1	7	5	...	2	1	...	2	...	...	1	5	40	3	25	1	3	...	5	...
Do.	Nullagine	...	...	...	4	4	...	1	4	...	...	...	...	...	...	...	...	2	20	1	10	...	...	...	2	...
West Pilbarra	2	2	...	1	...	1	2	...	1	1	1	1	10	1
Ashburton
Gascoyne	1	...	1	1
Peak Hill	...	...	2	3	2	3	...	2	3	...	1	...	...	...	...	...	...	1	30	...	...	...	...	...	1	...
East Murchison	8	13	9	15	...	4	23	2	...	4	...	9	2	2	2	11	97	2	2	...	6	...
Murchison	Cue	...	21	28	13	16	...	8	34	2	4	14	...	4	4	1	4	9	110	4	55	...	...	1	19	...
Do.	Nannine	...	16	8	10	11	...	8	20	2	8	7	1	3	...	...	2	6	68	4	50	...	...	...	18	...
Do.	Day Dawn	Tuckanara	...	...	1	1	...	1	2	...	...	...	...	...	...	...	...	1	10	...	...	...	...	...	2	...
Do.	Mt. Magnet	...	19	15	9	14	...	5	23	5	5	9	...	8	2	1	5	5	65	3	50	2	1	...	4	...	
Do.	...	...	15	16	5	9	...	9	15	2	2	6	...	6	...	...	1	5	65	...	5	...	1	...	5	...
Yalgoo	...	Lennonville	...	...	1	1	...	...	2	...	...	...	...	...	...	...	...	1	10	...	...	...	...	...	2	...
Do.	...	Yalgoo	...	9	11	14	...	10	16	3	2	5	...	5	...	2	3	8	74	2	15	...	...	...	10	...
Mt. Margaret	Mt. Malcolm	...	13	13	15	14	1	6	26	5	2	10	...	17	3	1	6	12	123	...	...	1	1	...	13	3
Do.	Mt. Margaret	Mt. Leonora	...	...	1	1	...	...	2	1	...	...	...	...	...	...	...	1	10	...	...	...	...	...	2	...
Do.	...	...	2	3	5	7	...	2	7	1	2	2	...	6	...	...	1	20	...	...	...	2	...	...	...	...
N. Coolgardie	Menzies	...	26	29	14	16	4	3	27	4	6	13	...	27	16	4	6	4	103	8	80	...	...	...	22	5
Do.	Ularring	...	2	3	1	...	4	1	1	1	...	4	6	1	1	1	20	1	...
Do.	...	Mt. Ida	...	...	1	1	...	...	2	...	...	...	...	...	...	1	...	1	10	...	...	...	...	...	1	...
Do.	Niagara	Mulline	...	...	1	1	...	...	2	1	...	...	...	...	...	...	...	1	10	...	...	...	...	...	2	...
Do.	Yerilla	...	7	7	6	10	...	5	7	2	2	4	...	2	...	...	3	7	73	1	15	...	...	...	3	...
Do.	...	...	1	2	8	11	1	2	20	3	...	2	...	4	...	...	6	7	55	...	...	3	2	...	2	...
Broad Arrow	...	Yerilla	...	...	1	1	...	...	3	...	...	...	...	...	...	1	...	1	10	...	...	...	...	...	2	...
N.E. Coolgardie	Kanowna	...	36	30	13	21	2	10	29	5	5	20	6	16	2	1	8	10	168	4	50	...	...	1	3	1
Do.	Bulong	...	20	16	18	22	1	9	34	9	3	14	...	19	2	...	9	12	150	2	35	...	4	...	12	1	
Do.	...	Bulong	5	5	1	2	...	1	8	...	...	3	...	...	...	...	...	1	20	1	10	...	...	...	2	...
Do.	Kurnalpi	...	1	1	...	...	...	3	...	...	...	...	...	...	...	1	...	1	20	...	...	...	...	...	4	...
Do.	...	...	1	1	2	2	...	4	1	...	...	...	...	1	...	...	1	...	1	5	...	1	...	...	...	...
E. Coolgardie	...	...	93	129	26	55	4	17	111	7	12	88	2	27	141	23	21	18	293	3	30	3	10	12	11	25
Coolgardie	Coolgardie	...	38	44	26	29	8	9	60	7	6	28	4	38	49	8	15	22	306	1	15	2	1	2	12	5	
Do.	Kunanalling	...	11	10	11	16	1	5	23	1	4	9	5	10	4	1	9	7	80	3	23	5	...	...	3	1
Yilgarn	...	...	10	15	6	8	1	4	10	2	1	7	...	1	...	...	1	4	75	1	40	...	...	...	11	3
Dundas	...	Norseman	12	12	14	16	2	5	24	4	2	11	5	12	6	1	7	13	149	4	29	...	1	3	20	1	
The Northam Milling	and Mining Co., Ltd.	...	...	...	1	1	...	...	3	...	...	...	...	...	...	1	...	1	10	...	...	...	...	...	2	...
The W.A. Smelting	Co., Ltd., Fremantle	...	...	...	1	1	...	...	12	...	...	...	...	...	...	...	2	1	40	...	40	...	...	...	1	...
Do.	...	...	...	...	4	4	...	...	4	...	...	...	...	...	...	...	2	1	...	...	...	2	...	...	...	...
Total	377	417	253	340	27	140	611	70	71	259	24	221	237	51	117	185	2364	50	637	15	15	25	19	208	50

TABLE No. IV.—Return showing Quantity and Estimated Value of Mining Machinery in existence on the 31st December, 1898—continued.

TABLE No. V.

Return showing the Number, Date, and Nature of the Accidents which have occurred during the Year 1898, etc.—continued.

Accident No.	Date.	Name of Mine.	Name of Gold-fields District.	Name of Sufferer.	Nature of Injuries.	Killed.	Injured.	Cause of Accident.
70	15th October ...	Great Boulder South ...	E. Coolgardie G.F.	Thos. Kearman ...	Killed ...	1	...	The clutch came out, and in consequence of this, the bucket "ran" and fell on him while he was standing on a scaffold about 9ft. from the bottom of the shaft.
71	7th November ...	Hawk's View Lease ...	Do. ...	Laomoni Perry ...	Do. ...	1	...	While being hauled to the surface he fell from the bucket down the shaft.
72	30th November ...	Australia East ...	Do. ...	Wm. J. Martin ...	Do. ...	1	...	While working in the 110ft. level a stone fell on him.
73	20th December ...	Lake View and Boulder Junction	Do. ...	Duncan McNevin ...	Do. ...	1	...	A light was left too close to the fuse, and a charge of dynamite exploded in the bottom of the shaft before he had an opportunity to retire to a place of safety.
74	21st December ...	Associated Australia ...	Do. ...	Peter Eustice ...	Do. ...	1	...	While dismantling the frame-work of an old crushing mill, the gy-rope of a temporary jib broke. He sprang off the beam on which he was standing, and in doing so, fell 30ft. to the ground.
75	24th February ...	Londonderry ...	Coolgardie G.F.	John H. Clarke ...	Slight injury to head ...	...	1	Thrust his head into the shaft to speak to a man at lower level, when cage descended and struck him.
76	25th February ...	Lady Hampton ...	Do. ...	Geo. Watkinson ...	Left ankle fractured ...	...	1	Fell 10ft. into a costeen pit that he was examining.
77	16th March ...	Nordenfeldt ...	Do. ...	Robert Lisle ...	Concussion of brain ...	1	...	Mr. Lisle was the manager of the mine, and fell down an old shaft when incautiously descending the latter.
78	28th March ...	Hands Across the Sea ...	Do. ...	John O'Connor ...	Injury to foot ...	...	1	Allowed a cap-piece to fall on his foot when engaged about the timber of a level.
79	28th March ...	Westralia Extension ...	Do. ...	J. C. Harris ...	Bruises and sprains ...	...	1	Fall of ground from back of stope, by which he was knocked down.
80	14th April ...	Hands Across the Sea ...	Do. ...	Thomas Ashcroft ...	Fractured skull ...	1	...	Fall of ground from side of level.
81	4th May ...	Burbanks Birthday Gift ...	Do. ...	William Lamb ...	Bruises and sprains ...	...	1	Fell from derrick, at surface.
82	17th May ...	Westralia Extension ...	Do. ...	William Depledge ...	Wounds, face and hands ...	...	1	Explosion of charge in hole, to which Depledge had incautiously returned to ascertain if fuse was burning.
83	29th June ...	Golden Bar ...	Do. ...	William Goddard ...	Bruises and sprains ...	...	1	Stilling in stope gave way, some of the mullock falling on Goddard's leg.
84	14th July ...	Westralia Extension ...	Do. ...	John Heron ...	Scalp wounds ...	...	1	While descending the shaft, by means of chain ladder, was struck by falling stone.
85	21st July ...	Bayley's Great Oversight ...	Do. ...	John Marrett ...	Head and shoulders bruised ...	...	1	When timbering shaft, a stage-board became dislodged, and fell down the shaft, striking Marrett.
86	25th July ...	King Solomon ...	Do. ...	Henry Solely ...	Scalp wounds ...	...	1	Fall of stone from back of level, striking Solely on the head.
87	7th September ...	Hidden Treasure ...	Do. ...	Frederick Counsel ...	Two arms and a rib broken ...	...	1	Fell down windlass shaft.
88	30th September ...	Burbank's Birthday Gift ...	Do. ...	Hugh Jennings ...	Scalp and leg wounds ...	...	1	Stone fell from bucket when latter was being drawn up shaft, and struck Jennings.
89	1st December ...	Ormuz ...	Do. ...	Tim. McCarthy ...	Injury to eye ...	...	1	Incautiously remained at spot at which he had charged a hole and had fired the charge.
90	6th December ...	Westralia Extension ...	Do. ...	John Vesper ...	Scalp injuries and bruises on body ...	...	1	When ascending chain ladder in a shaft, in which a bucket was in motion, was struck by the bucket and fell down shaft.
91	11th September ...	Central ...	Yilgarn G.F.	Wm. Mammells ...	Injured foot ...	...	1	Fall off truck.
92	29th September ...	Fraser's ...	Do. ...	Joseph Johnson ...	Scalp and neck hurt, etc. ...	...	1	Did not fasten his scaffolding.
93	10th October ...	Fraser's South ...	Do. ...	Wm. Bathurst ...	Injured loin ...	...	1	Not very severe. Falling trolley wheel.
94	20th October ...	No name (old shaft) ...	Do. ...	John Denham ...	Injured pelvis, etc. ...	...	1	Possicking in some old abandoned shaft at Parker's Range, and earth fell on him.
95	23rd October ...	Mt. Jackson Mines Co. ...	Do. ...	Matthew Guelpa ...	Injured foot ...	...	1	Stamper fell on foot. Very slight.
96	2nd December ...	Fraser's South Extended ...	Do. ...	Samuel Bethune ...	Broken leg ...	...	1	Pin left out of trolley wheel by W. Kneebone.
97	25th February ...	Princess Royal Extended ...	Dundas G.F.	F. Stevens ...	Top of thumb and two first fingers blown off	...	1	Cleaning out detonator with piece of stick causing explosion.

TABLE No. VI.

Synopsis of Accidents which have occurred during 1898, with their Causes, and the Fields on which they have happened.

CAUSES OF ACCIDENT.	Kimberley.	Pilbarra.	West Pilbarra.	Ashburton.	Gascoyne.	Peak Hill.	East Murchison.	Murchison.	Yalgoo.	Mount Margaret.	North Coolgardie.	Broad Arrow.	North-East Coolgardie.	East Coolgardie.	Coolgardie.	Yilgarn.	Dundas.	TOTAL.			
	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	Killed.	Injured.	
Ladder Accidents
Falling down Shafts
Materials falling down Shafts
Gas in Shafts and Winzes
Other Shaft Accidents
Accidents in Winzes and Passes
Falls of Earth and Rock
Accidental Explosions of Blasting Compounds
Other Blasting Accidents
Falls from Staging, Brace, etc.
Wagon Accidents
Inundation of Water
Explosion of Gas
Miscellaneous
TOTAL
{ Killed
{ Injured

TABLE No. VII.

RETURN OF GOLD, the produce of the Colony, entered for Export from 1st January, 1886, to 31st December, 1898, showing Quantity obtained from the respective Goldfields.
(Abbreviated from the Treasury Return.)

Year.	Kimberley.	Pilbarra.	a West Pilbarra.	Ashburton.	b Peak Hill.	b East Murchison.	Murchison.	c Yalgoo.	b Mt. Margaret.	d North Coolgardie.	e Broad Arrow.
1886	302 0 0	...	...	...	...	...	...	...	...	...	...
1887	4,873 0 0	...	...	...	...	...	...	...	...	...	...
1888	3,493 0 0	...	...	...	...	...	...	...	...	...	...
1889	2,464 0 0	11,170 0 0	...	...	...	...	...	...	...	...	...
1890	4,474 0 0	16,055 6 6	...	...	...	...	...	...	...	...	...
1891	2,699 12 8	11,875 0 0	...	898 14 10	...	...	2,064 8 16	...	...	...	...
1892	1,088 16 22	12,892 16 0	...	0 14 0	...	...	24,356 9 12	...	...	...	...
1893	1,621 13 23	11,698 10 0	...	467 14 22	...	...	21,210 8 22	...	...	...	...
1894	588 12 17	16,254 10 0	...	285 5 10	...	...	52,946 6 11	...	...	...	...
1895	876 13 16	19,522 8 0	...	540 15 4	...	...	65,477 5 3	...	...	...	...
1896	891 17 6	11,810 2 4	...	669 3 9	...	...	71,282 13 17	...	...	17,160 10 4	...
1897	554 1 12	11,955 17 9	...	1,038 3 13	5,110 0 0	9,453 16 6	82,891 17 1	2,034 4 15	8,685 14 14	74,556 2 12	4,159 5 9
1898	287 17 17	11,662 11 5	2,028 5 10	449 17 12	13,736 17 1	39,563 7 0	93,667 3 6	3,756 7 16	43,266 13 20	70,625 6 4	24,631 8 20
Total	24,215 6 1	134,897 1 0	2,028 5 10	4,290 8 8	18,846 17 1	49,017 3 6	413,896 12 16	5,790 12 7	51,952 8 10	162,341 18 20	28,790 14 5

Year.	d North-East Coolgardie.	d East Coolgardie.	f Coolgardie.	Yilgarn.	g Dundas.	TOTALS.	
						Quantity.	* Value.
1886	...	...	...	...	...	302 0 0	£ 1,147 12 0
1887	...	...	...	...	...	4,873 0 0	18,517 8 0
1888	...	...	...	...	...	3,493 0 0	13,273 8 0
1889	...	...	...	1,858 10 0	...	15,492 10 0	58,871 10 0
1890	...	...	...	2,277 0 0	...	22,806 6 6	86,663 19 9
1891	...	...	...	12,833 5 23	...	30,311 1 9	115,182 1 2
1892	...	...	...	21,209 9 18	...	59,548 6 4	226,283 11 5
1893	...	...	...	75,744 10 23	147 19 11	110,890 18 5	421,385 9 2
1894	...	...	105,329 16 11	31,498 7 17	228 7 12	207,131 6 6	787,098 19 10
1895	...	...	125,105 18 18	19,747 15 2	241 18 2	231,512 13 21	879,748 4 8
1896	4,113 3 15	85,287 1 7	69,135 3 16	16,565 5 0	4,350 6 6	281,265 6 12	1,068,808 4 8
1897	32,905 16 8	300,037 4 18	104,306 7 9	17,994 9 13	19,310 16 7	674,993 17 2	2,564,976 12 11
1898	125,240 9 19	450,312 5 10	127,227 1 8	11,696 3 13	32,031 16 6	1,050,183 11 23	3,990,697 13 6
Total	162,259 9 18	835,636 11 11	531,104 7 14	211,424 17 13	56,311 3 20	2,692,803 17 16	10,232,654 15 1

* Valuation at £3 16s. per oz. a. Prior to 1st May, 1898, included with Pilbarra. b. From 1st August, 1897. c. Prior to 1st April, 1897, included with Murchison. d. Prior to 1st May, 1896, included with Coolgardie.
e. From 1st September, 1897. f. Declared 5th April, 1894, to which date included with Yilgarn. g. Prior to 1893 included with Yilgarn.

TABLE No. VIII.

Return showing Quantity of Gold, the produce of the Colony, entered Monthly for Export from 1s. January, 1894, to 31st December, 1898. (Abbreviated from the Treasury Return.)

Month.	1894.			1895.			1896.			1897.			1898.		
	ozs.	dwts.	grs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.	ozs.	dwts.	grs.
January	35,367	18	13	18,686	13	18	16,350	0	11	40,386	14	3	93,395	8	19
February				15,509	2	23	17,922	5	21	32,526	0	0	53,739	3	14
March				19,619	10	0	11,084	17	5	40,296	7	12	75,380	0	21
1st January to 31st March	35,367	18	13	53,815	6	17	45,357	3	13	113,209	1	15	222,514	13	6
April	40,450	0	5	19,128	3	14	16,772	12	14	39,660	7	12	84,082	12	16
May				19,208	3	21	22,266	1	6	59,111	15	3	83,346	18	18
June				16,128	12	19	27,933	14	0	53,348	14	20	80,749	12	20
1st January to 30th June	75,817	18	18	108,280	6	23	112,329	11	9	265,329	19	2	470,693	17	12
July	62,846	6	16	20,195	8	22	16,258	8	19	48,811	4	17	76,980	15	9
August				23,668	7	18	29,516	19	22	65,129	3	10	89,395	9	10
September				18,244	17	10	35,301	6	15	71,776	11	6	89,179	4	4
1st January to 30th September	138,664	5	10	170,389	1	1	193,406	6	17	451,046	18	11	726,249	6	11
October	17,453	6	20	27,725	13	6	27,331	2	13	75,690	3	15	116,824	12	5
November	23,628	7	5	15,507	17	6	30,874	7	12	75,845	0	15	111,793	2	9
December	27,385	6	19	17,890	2	8	29,653	9	18	72,411	14	9	95,316	10	22
TOTAL	207,131	6	6	231,512	13	21	281,265	6	12	674,993	17	2	1,050,183	11	23

Table No. IX.

Miscellaneous—(Corrected to 31st August, 1899).

Goldfield.	District.	Names of			Address.	Government Public Batteries.			List of Telegraph Stations.	
		Warden.	Registrar.	Inspector of Mines.		Erected at	Number of Stampers.	Manager.		
Northern Goldfields.	Kimberley ... ..	...	†D. W. Green ...	...	Hall's Creek ...	...	...	...	Hall's Creek	
	Pilbarra	Marble Bar ...	Axel Ostlund ...	F. E. Walsh ...	Marble Bar ...	...	...	...	Condon, Marble Bar, Port Hedland, Warrawoona	
	Do. ... ..	...	...	*Aristide Picard ...	Bamboo Creek ...	...	...	...	Bamboo Creek	
	Do. ... ..	...	...	*A. C. Bligh ...	Tambourah ...	...	...	...	Tambourah	
	Do.	Nullagine ...	...	Isidore Grimish ...	Nullagine ...	...	...	...	Nullagine	
	West Pilbarra ...	...	†John Brockman	L. Prince ...	Roebourne ...	...	...	...	Balla Balla, Cossack, Roebourne, Whim Creek	
	Ashburton ... ..	...	...	†Abraham Phelps	Mount Mortimer, via Onslow	...	...	...	Via Onslow	
Gascoyne ... ..	...	...	†Jesse Young ...	Bangemall, via Carnarvon	...	...	...	Via Carnarvon		
Central Goldfields.	Peak Hill ... ..	...	C. U. Bagot ...	A. V. Fowler ...	W. F. Greenard	Peak Hill ...	Ravelstone	||	...	Peak Hill
	East Murchison ...	...	A. G. Clifton ...	W. O. Mansbridge		Lawlers ...	...	...	...	Lawlers
	Murchison	Cue	E. P. Dowley ...	John E. Geary ...		Cue ... ..	...	...	...	Cuddingwarra, Cue
	Do.	Nannine ... ..	...	F. S. Oliver ...		Nannine ...	Tuckanarra	10	Norman Foote ...	Abbotts, Nannine, Tuckanarra
	Do.	Day Dawn ...	...	a		a	...	...	...	Day Dawn, Lake Austin
	Do.	Mount Magnet ...	...	T. G. Collie ...		Mount Magnet ...	Lennonville	10	R. H. Carlisle ...	Lennonville, Mount Magnet
	Yalgoo ... ..	...	P. L. Gibbons ...	H. V. Falkiner ...		Yalgoo	Yalgoo ...	5	Fred. Squires ...	Gullewa, Melville, Murgoo (Telephone), Yalgoo
Eastern Goldfields.	Mount Margaret ...	Mount Malcolm	A. E. Burt ...	W. H. Cocks ...	J. O. Hudson	Mount Malcolm	Mount Leonora	10	J. W. Simpson ...	Diorite King, Mount Leonora, Mount Malcolm, Murrin Murrin
	Do.	Mount Margaret	...	F. W. Spence ...		Mount Margaret	...	...	...	Mount Margaret, Mount Morgan
	North Coolgardie ...	Menzies ...	W. L. Owen ...	E. Y. Butler ...	G. Jenkyn	Menzies ...	...	...	...	Goongarrie, Menzies
	Do.	Ularring ...	...	b		b	(Mount Ida	10	John Twyford ...	...
	Do.	Niagara ...	...	H. E. D. Peers ...		Niagara ...	...	...	...	Niagara
	Do.	Yerilla ...	...	A. S. Macintosh ...	Yerilla ...	Yerilla ...	10	W. G. G. Tree ...	Pendinnie, Yerilla	
	Broad Arrow ... ..	...	L. R. Davis ...	Thos. H. Hannah	F. J. Lander ...	Broad Arrow ...	...	...	...	Bardoc, Black Flag, Broad Arrow, Paddington
	North-East Coolgardie	Kanowna ...	P. Troy ...	G. F. Schloo ...		Kanowna ...	...	...	...	Kanowna
	Do.	Bulong ...	...	E. W. Lawn ...		Bulong ...	Bulong ...	20	A. Leahy ...	Bulong
	Do.	Kurnalpi ...	...	c		c	...	...	...	Kurnalpi
East Coolgardie ...	...	F. A. Hare ...	M. F. Calanchini	Geo. Lightly	Kalgoorlie ...	...	...	...	Boulder, Kalgoorlie	
Coolgardie	Coolgardie ...	J. M. Finnerty ...	H. W. Quodling		Coolgardie ...	...	...	...	Bonnie Vale, Boorabbin, Bulla Bulling, Coolgardie, Londonderry, Widgiemooltha	
Do.	Kunanalling ...	...	d	d	...	...	...	Kunanalling		
Yilgarn ... ..	...	...	J. M. Bridger ...	Southern Cross ...	...	...	...	Southern Cross		
Dundas ... ..	...	...	Wm. Dawson ...	Norseman ...	Norseman ...	10	J. M. D. Williams	Balladonia (Buldania), Norseman		
Donnybrook § ...	...	†W. A. G. Walter	...	Bridgetown ...	...	...	...	Donnybrook		

* Deputy Mining Registrar. † Acting Warden. ‡ Resident Magistrate, Bridgetown. § Not a proclaimed goldfield. || 10-Head being erected. a Administered from Cue. b Administered from Menzies. c Administered from Bulong. d Administered from Coolgardie.

JAMES WALLACE,
Statist.

ROYAL MINT, PERTH BRANCH.

On 20th June His Excellency the Governor declared the Perth Branch of the Royal Mint to be open for the receipt of gold for coinage.

Subject to the Regulations, any person may deposit gold at the Mint in his own name. Those who cannot attend personally for the purpose may send the gold by an agent, through the post, or under Police escort.

A pamphlet has been published giving all necessary information for intending depositors, conditions of the Escort Service, Coining Regulations, etc., etc. Copies of this pamphlet can be obtained from the Deputy Master of the Mint.

Parcels up to 43 ounces gross may be sent through the post. (See page 18 of pamphlet.)

An Escort Service is provided by the Police Department for parcels of all sizes. The consignor pays for the carriage by coach or train, but the escort charges are collected by the Mint. (See page 19 of pamphlet.)

Forms for use in connection with gold sent to the Mint by post or under Police escort can be obtained on application.

The charges for the conversion of gold into coin are as follows:—

(1.) *For Assaying and Refining:*

A minimum charge of 8s. is made for all weights up to 20ozs.

From	20ozs. to	500ozs.	an addition at the rate of 4s. for every 10ozs. by grades of	10ozs.	
„	501ozs. „	1,000ozs.	„	„	3s. „
„	1,001ozs. „	2,500ozs.	„	„	2s. „
„	2,501ozs. „	upwards	„	„	1s. „
					20ozs.
					50ozs.
					100ozs.

(2.) *For Coining:*

For Deposits under 500ozs. standard	...	...	...	...	1½d. per oz.
For Deposits over 500ozs. standard	...	...	...	...	1d. per oz.

The following table illustrates the operations of these charges in cases of gold of the value of £3 17s. 10½d. an ounce:—

Weight of Deposit.	Rate of Charge per oz.			Amount of Charge.			Gross Value of Deposit.	
	Assaying and Refining.	Coining.	Total Rate.	Assaying and Refining.	Coining.	Total Charge.		
ounces.	d.	d.	d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
20	4·8	1·5	6·3	0 8 0	0 2 6	0 10 6	77 17 6	
100	4·8	1·5	6·3	2 0 0	0 12 6	2 12 6	389 7 6	
600	4·6	1·0	5·6	11 10 0	2 10 0	14 0 0	2,336 5 0	
1,000	4·2	1·0	5·2	17 10 0	4 3 4	21 13 4	3,893 15 0	
5,000	2·2	1·0	3·2	45 0 0	20 16 8	65 16 8	19,468 15 0	
10,000	1·4	1·0	2·7	70 0 0	41 13 4	111 13 4	38,937 10 0	

GOLD ESCORT SERVICE.

Table of Rates.

From	To	Period.	Rate per Ounce.
Mount Sir Samuel ...	Perth	Monthly ...	d. 5
Lawlers	Do.	Do. ...	4
Do.	Kalgoorlie or Coolgardie	Do. ...	3
Leonora	Do. do.	Do. ...	2
Mount Malcolm	Do. do.	Do. ...	2
Niagara	Do. do.	Do. ...	2
Yerilla	Do. do.	Do. ...	2
Menzies	Do. do.	Do. ...	2
Paddington	Do. do.	Do. ...	2
Kanowna	Kalgoorlie, Coolgardie, or Perth	Fortnightly	1
Kalgoorlie	Perth	Do. ...	1
Coolgardie	Do.	Do. ...	1
Burbanks	Coolgardie	Do. ...	0½
100-Mile radius	Coolgardie or Kalgoorlie	Monthly ...	2
Nannine	Cue	Do. ...	1
Cue	Geraldton	Do. ...	1
Norseman	Coolgardie	Do. ...	3
Northam	Perth	Fortnightly	No charge
Southern Cross... ..	Do.	Do. ...	No charge

GEO. PHILLIPS,
Commissioner of Police.

13th May, 1899.

Rates for carriage of gold on Government Railways:—

	Distance not over									
	12 miles.	25 miles.	50 miles.	100 miles.	150 miles.	200 miles.	250 miles.	300 miles.	350 miles.	
Gold dust and bullion per 100ozs.	s. d. 0 6	s. d. 1 0	s. d. 2 0	s. d. 3 0	s. d. 3 9	s. d. 4 6	s. d. 5 0	s. d. 5 6	s. d. 6 0	

6d. per 100ozs. for every additional 50 miles.

To find the value per ounce of gold sent from a mine to the Mint.—Divide the standard gold by the weight before melting, and multiply the result by £3 17s. 10½d. For instance, supposing the Mint return to show:—

Weight before melting	...	...	...	...	Ozs. 47·41
Standard gold	...	...	...	...	38·19

The calculation would be as follows:—

4741)	3819·0	(·805
	37928	
	26200	
	23705·	
	2495	

Value of ·805 standard gold at £3 17s. 10½d.=£3 2s. 8d., which is the value of the gold as produced from the mine.

J. F. CAMPBELL,
Deputy Master.

14th August, 1899.