

REPORT
OF THE
DEPARTMENT OF MINES,
FOR THE YEAR
1899.

THE UNDER SECRETARY FOR MINES.

1900.

WESTERN AUSTRALIA.

R E P O R T

OF THE

DEPARTMENT OF MINES

FOR THE YEAR

1899.

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

[SECOND SESSION OF 1900.]

PERTH:

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2

CONTENTS.

SUBJECT.	Page
Report on the Department of Mines	5
Supplementary Report showing Mineral output for first six months of the year 1900	149
Warden's Report on Ashburton Goldfield	112
Do. Broad Arrow Goldfield	74
Do. Coolgardie Goldfield	39
Do. Donnybrook Goldfield	97
Do. Dundas Goldfield	48
Do. East Coolgardie Goldfield	43
Do. East Murchison Goldfield	108
Do. Kimberley Goldfield	115
Do. Mt. Margaret Goldfield	51
Do. Murchison Goldfield	62
Do. North Coolgardie Goldfield	78
Do. North-East Coolgardie Goldfield	66
Do. Peak Hill Goldfield	90
Do. Pilbarra Goldfield	104
Do. West Pilbarra Goldfield	117
Do. Yalgoo Goldfield	94
Do. Yilgarn Goldfield	101
Registrar's Report on the Collie Mining District	122
Do. do. Greenbushes Mining District	125
Do. do. Northampton and Yandanooka Mining District	128
Do. do. Phillips River Mining District	130
Report of Superintendent of Public Batteries	132
Do. Chief Inspector of Boilers	133
Inspector of Mines' Report on Broad Arrow and North-East Coolgardie Goldfields	140
Do. do. Central Goldfields	137
Do. do. Coolgardie, Yilgarn, and Dundas Goldfields	139
Do. do. Collie Coalfield	138
Do. do. East Coolgardie Goldfield	135
Do. do. Mount Margaret and North Coolgardie Goldfields	139
Inspecting Surveyor's Report, Central Goldfields	142
Assistant Inspecting Surveyor's Report, Eastern Goldfields	142
Do. do. Drafting Branch	144
Summary of Surveys effected by Field Surveyor	144
General Report on the Nullagine District by the District Engineer	145
Report and Table of Statistics by Statist	153

TABLES.

Minerals raised during 1899	7
Dividends paid during 1899	10
Leases and other Holdings under the Acts relating to Mining	11
Rights and Licenses issued under the Goldfields and Mineral Lands Acts	16
Miners employed	17
Average ruling rate of wages	19
Accidents	19
Results of examinations for Engine-drivers' Certificates	21
Prospecting Areas applied for outside Goldfields and Mining Districts	34
Leases applied for outside Goldfields and Mining Districts	34
Revenue and Expenditure	34
Number of Registrars' Offices and number of Officers employed on Goldfields	35
Number of Officers employed at Head Office	36
Principal dealings registered at Head Office	37
Return of Lease Instruments and other Documents issued from Head Office	37

PLANS AND DIAGRAMS.

Map of the Colony, showing locality of Minerals, etc.	to face page 4
Do. showing portion of Mt. Margaret Goldfield	do. 56
Comparative Statistical Diagrams	do. 8
Diagram showing Deaths from Accident	do. 20
Do. Output of Gold, etc.	do. 152

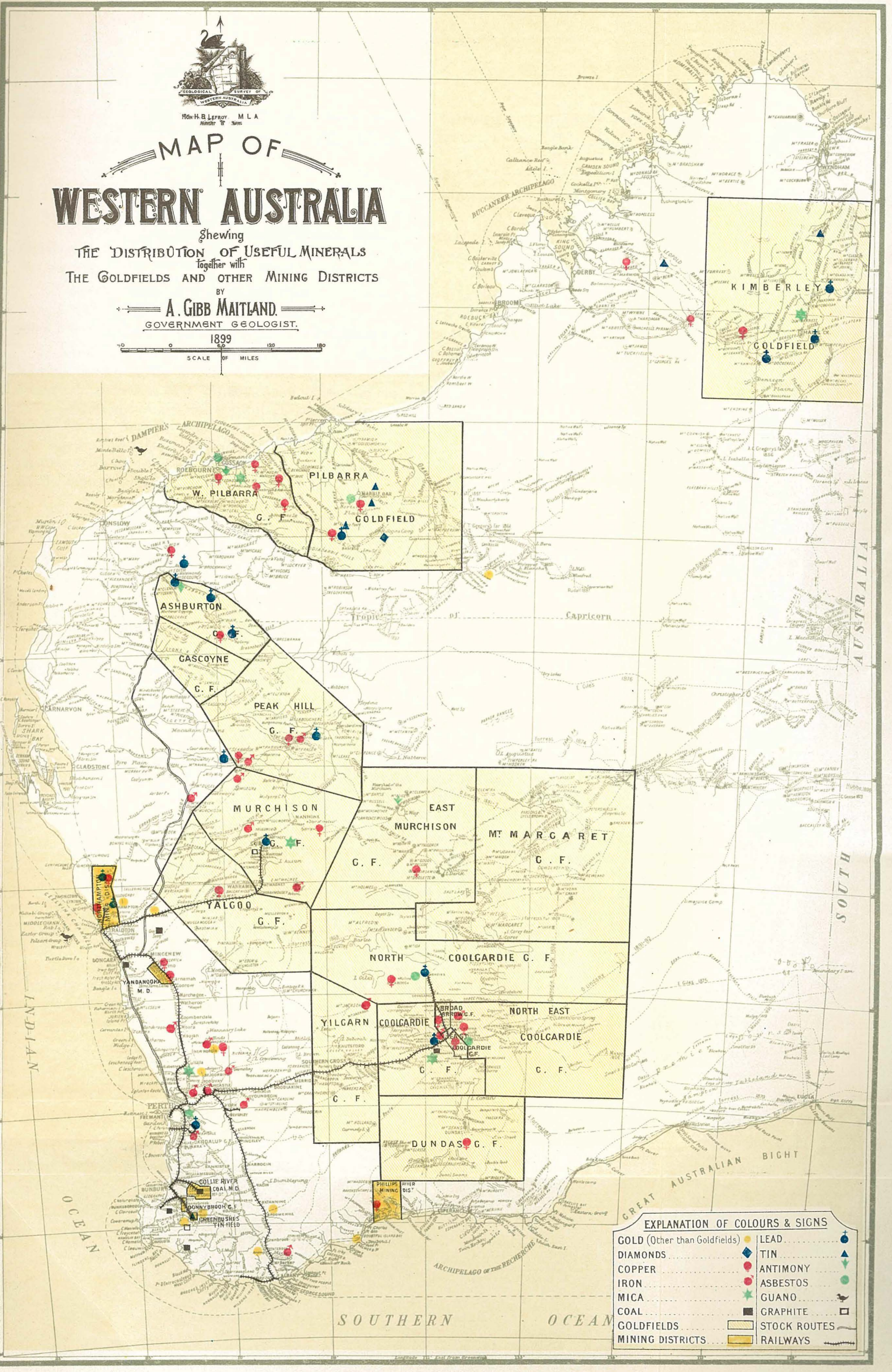


MAP OF WESTERN AUSTRALIA

Shewing
THE DISTRIBUTION OF USEFUL MINERALS
together with
THE GOLDFIELDS AND OTHER MINING DISTRICTS

BY
A. GIBB MAITLAND.
GOVERNMENT GEOLOGIST.

1899
SCALE OF MILES



EXPLANATION OF COLOURS & SIGNS

GOLD (Other than Goldfields)	●	LEAD	◆
DIAMONDS	◆	TIN	▲
COPPER	●	ANTIMONY	▼
IRON	●	ASBESTOS	●
MICA	●	GUANO	☐
COAL	■	GRAPHITE	☐
GOLDFIELDS	■	STOCK ROUTES	—
MINING DISTRICTS	■	RAILWAYS	—

Report of the Department of Mines of the Colony of Western Australia for the Year 1899.

To the Honourable H. B. Lefroy, M.L.A., Minister of Mines.

SIR,

I have the honour to submit the Report of the Department for the year 1899, together with reports from the Wardens and other officials on the Goldfields and Mining Districts.

Appended also are the Mining Statistics for the year, compiled by the departmental Statist, giving in tabular form details of the output of each producing mine, and other information relating to the various Goldfields and Mining Districts.

Any report which attempts to deal, in a few pages, with the mineral industry of a Colony possessing the mineral resources of Western Australia, with its 18 Goldfields, comprising an area of over 324,000 square miles—an area equal to the combined areas of the British Isles and France, twice the size of Japan, and almost twice the size of the South African Republic and the Orange River Colony combined—must necessarily be incomplete; but I have endeavoured to sketch, in as concise a form as possible, the progress of the Mining Industry, and the work of the Department, for the year under review, under the following heads:—

- I.—GENERAL REMARKS.
- II.—MINERALS RAISED.
- III.—LEASES AND OTHER HOLDINGS UNDER THE VARIOUS ACTS RELATING TO MINING.
- IV.—MEN EMPLOYED.
- V.—ACCIDENTS.
- VI.—EXAMINATION OF ENGINE-DRIVERS.
- VII.—MINING STATISTICS.
- VIII.—PUBLIC BATTERIES.
- IX.—INSPECTION UNDER THE STEAM BOILERS ACT.
- X.—EXISTING LEGISLATION.
- XI.—REMARKS ON VARIOUS GOLDFIELDS AND MINING DISTRICTS.
- XII.—DEPARTMENTAL.

PART I.—GENERAL REMARKS.

The wonderful progress of the Mining Industry for the year 1898, compared with the previous year has, in the year 1899, been not only fully maintained, but in most respects surpassed. There has been marked progress in all branches of mining, more especially in gold mining. The gold output of 1898 showed an increase of nearly 56 per cent. over the output for 1897, while the output of 1,643,877 ounces for this year shows an increase of nearly 57 per cent. over the 1898 output, as shown by the export returns.

The increased production of the marvellously rich mines on the East Coolgardie Goldfield is responsible for nearly 73 per cent. of the total increase; but steady progress is shown in the returns for the majority of the fields. The only field which does not show an increase for the year is the North-East

Coolgardie Goldfield, and its lower output may be accounted for by the partial working-out of the alluvial deposits near Kanowna, which were so vigorously mined in 1898. It is, however, more than likely that other leads exist in the district, although much prospecting may be done before they are located.

The only new Goldfield proclaimed during the year was the Donnybrook Goldfield. Traces of gold were found in the district in 1898, but the discovery in 1899 of a rich reef in Jackson's claim led many miners to turn their attention to the district, and numerous Gold Mining Leases were taken up. So far, development has been confined to a few leases, but the results of the work generally appear satisfactory.

For some years past the existence of mineral deposits near the South coast has been asserted, and the discovery of copper in the Ravensthorpe Ranges led to the proclamation of the Phillips River Mining District. In spite of the difficulties of communication and the scarcity of water, a considerable amount of prospecting has been done, which has proved the existence of gold-bearing, as well as copper-bearing lodes.

TIN.

A revival of tin mining at Greenbushes has occurred during the year, the high price of tin having drawn attention to deposits in that Mining District, from which tin has been obtained since 1891. The highest output was in 1894, when 371 tons of tin ore, valued at £14,325, were produced; but it gradually decreased in succeeding years until 1898, when only 68 tons were produced; this increased during the year 1899 to 278 tons, valued at £21,138.

During the year tin was discovered near Marble Bar, on the Pilbarra Goldfield; numerous leases and claims have been taken up, and there is every prospect of the find developing into a payable tinfield. Stream tin to the amount of $57\frac{1}{2}$ tons has been raised during the year.

COAL.

Satisfactory developments have taken place in the Collie Coalfield, the output having increased from 3,508 tons in 1898 to 54,336 in 1899, the principal producing colliery being the Wallsend. The Collie Proprietary Company also started raising coal during the year, and as several other collieries are being systematically opened up, the output for 1900 should show a very large increase over this year. Collie coal is being largely used on the Government Railways and on the Goldfields, and practical tests have proved its value as a naval fuel, one great advantage being that it gives out little or no smoke.

COPPER.

During 1899 the output of copper ore has been nearly three thousand tons, the larger portion being from the West Pilbarra District. Several new deposits are being prospected, notably in the Mt. Margaret and Broad Arrow Goldfields, and the Ashburton, Phillips River, and West Kimberley districts.

IRONSTONE.

A limited demand having arisen in connection with the Fremantle Smelting Works for iron ore, nearly 13,000 tons (valued at nearly £9,000) have been mined during the year; and, as far as I can ascertain, this is the first year in which any record of the production of this mineral exists.

FUTURE PROSPECTS.

The steadily-increasing output of the various Goldfields, the more systematic and profitable development of the mines, and the discovery of new mineral deposits, all tend to prove the permanent nature of the mining industry in the Colony; and if the vast areas of mineral-bearing country hitherto imperfectly prospected are considered, it cannot but be admitted that few countries offer such a field for mining investment as Western Australia.

PART II.—MINERALS RAISED.

TABLE I.

Quantity and Value of all the Minerals produced.

Description of Mineral.	1898.		1899.	
	Quantity.	Value at the Mines.	Quantity.	Value at the Mines.
1. Asbestos (exported), statute tons ...	...	£ ...	(a) ...	£ 1
2. Coal (raised) do. ...	3,508	1,761	54,336	25,951
3. Copper Ore (raised) do. ...	(c) 355	4,265	2,964	35,938
4. Gold (exported) ounces troy ...	1,050,184	(b) 3,990,698	1,434,571	(b) 6,246,732
Do. (Mint) do. ...	...	...	209,306	...
5. Ironstone (raised) statute tons ...	...	...	12,852	8,939
6. Lead Ore (raised) do. ...	(c) 5	33	83	912
Pig Lead (exported) do. ...	...	...	77	1,077
7. Limestone (raised) do. ...	...	...	17,593	2,838
8. Mica (exported) do. ...	...	...	(a) ...	50
9. Tin, Black Tin (raised) statute tons ...	(c) 68	2,760	335	25,269
Total Values ...	...	3,999,517	...	6,347,707

(a) Not stated. (b) £3 16s. per oz. (c) Quantity exported. No returns collected by Mines Department.

Table I gives a summary of the mineral output of the Colony for the year 1899, and for the year 1898, as far as returns are available. Previous to 1899 few returns of minerals, other than gold, were collected by the Mines Department.

The gold production has been arrived at by taking the figures furnished by the Export and Mint returns, as, for reasons subsequently stated, they more correctly represent the output of the Colony as a whole than the returns collected by the Mines Department. It will be seen that the value of the gold produced is about 98·4 per cent. of the total value of the minerals raised, but the value of minerals other than gold is annually increasing, and before many years this disparity should be materially reduced.

TABLE 2.

Summary of the Gold exported and received at the Royal Mint during the Years 1898 and 1899, compared with the Yield reported to the Mines Department; also the Percentages of the latter for the several Goldfields of the Colony.

Goldfield.	Export and Mint.		Reported Yield.				Average per ton of Ore milled.	
	1898.	1899.	1898.	1899.	Percentage for each Field.		1898.	1899.
					1898.	1899.		
1. Kimberley ...	288	1,123	440	917	·04	·06	ozs. ·74	ozs. ·72
2. Pilbarra ...	11,663	20,526	14,414	19,292	1·38	1·20	1·83	2·09
3. West Pilbarra ...	2,028	1,956	327	1,935	·03	·12	1·61	1·36
4. Ashburton ...	450	521	501	1,659	·05	·10	...	...
5. Gascoyne ...	...	419	14	334	...	·02	...	·91
6. Peak Hill ...	13,737	31,995	14,970	31,954	1·44	2·00	3·63	2·88
7. East Murchison ...	39,563	41,570	37,080	45,039	3·56	2·82	1·10	·99
8. Murchison ...	93,667	93,518	79,256	80,549	7·60	5·03	·84	1·16
9. Yalgoo ...	3,756	10,880	3,299	12,136	·32	·76	·74	·67
10. Mt. Margaret ...	43,267	81,817	49,718	79,924	4·78	5·00	1·29	1·04
11. North Coolgardie ...	70,625	105,689	72,879	116,968	6·99	7·30	1·71	1·23
12. Broad Arrow ...	24,632	44,524	27,726	48,194	2·67	3·01	·81	·79
13. North-East Coolgardie ...	125,241	81,171	170,441	112,825	16·37	7·05	1·25	·92
14. East Coolgardie ...	450,312	923,618	422,392	855,405	40·55	53·44	1·59	1·83
15. Coolgardie ...	127,227	141,170	99,673	131,257	9·56	8·20	·91	·79
16. Yilgarn ...	11,696	16,805	11,769	16,372	1·13	1·02	·42	·49
17. Dundas ...	32,032	45,165	36,798	44,213	3·53	2·76	1·18	·74
18. Donnybrook ...	...	506	15	511	...	·03	·83	1·63
Goldfields generally ...	...	904	...	1,279	...	·08	...	...
Totals and Averages ...	1,050,184	1,643,877	1,041,712	1,600,763	100	100	1·26	1·31

Table 2 gives the yield of gold for 1899 and the previous year, as reported to the Mines Department, and also the yield of gold as ascertained from the export figures furnished by the Collector of Customs and the Perth Branch of the Royal Mint.

It will be noticed that the total output for the whole Colony, as ascertained from these sources, varies, as in former years, considerably; and the discrepancy may, to a great extent, be accounted for as follows:—

Returns are collected by the Department from all owners of registered mining holdings, but there are a large number of men working alluvial claims, which need not be registered at the various Wardens' Offices, and of which the Department has no knowledge. The gold won from these holdings is usually purchased by banks and gold dealers, and taken in small parcels by storekeepers in exchange for goods. So far it has been found impossible to obtain reliable returns of gold purchased. In addition to gold produced from unregistered claims, a certain amount of stolen gold is unaccounted for. As practically the whole of this gold, with that obtained from the regular producing mines, finds its way to the Mint and the Customs, the total output as obtained from these sources may be considered as the correct one for the Colony as a whole.

For the various goldfields, however, the totals as reported to the Department must be taken as the more accurate, though less than the actual output. To take an instance, the output for 1899 for East Coolgardie, as given by Export and Mint returns, exceeds the reported output by 68,213ozs., while the converse is the case at North-East Coolgardie, the former being 31,654ozs. less than the latter. A very large proportion of the difference may be accounted for by the fact of large parcels of North-East Coolgardie ore, and ore from other fields being treated at batteries on the East Coolgardie field, the resulting gold being banked at the local banks and entered for export and sent to the Mint, as the product of the latter field, though, as a matter of fact, it should be credited to goldfields on which the ore was raised.

Throughout this report, when comparing the outputs from the various fields, I have used the yields as reported to the Department, as accurate returns are collected from all the regularly producing mines.

The eighteen goldfields, into which that portion of the Colony which is being worked for gold is divided, may be taken as arbitrary divisions, made for administrative purposes, Kimberley being the only isolated field. The gold-bearing country may be said to extend, without a break, from the Phillips River, on the South coast, to the Pilbarra Goldfield, on the North-West coast—a distance of a thousand miles. There is, however, more especially to the East of these proclaimed goldfields, a vast area practically unexplored, in which gold is known to exist; but, so far, the efforts of the few prospecting parties who have penetrated this country have failed to discover gold in sufficient quantities to justify systematic mining in these remote and badly-watered localities. Several well-equipped prospecting parties have penetrated the country lying to the North-East of the Mt. Margaret Goldfield and towards the South Australian border, but in nearly every case have found so little permanent water that systematic prospecting was impossible. There is little doubt, however, that in the favourable seasons, which occur at intervals, further attention will be given to this part of the Colony.

The figures given in the preceding table, as regards the total production of the various goldfields, speak for themselves; but detailed statistics of the mineral output will be found in the mining statistics at the end of this Report, the production of each mine being given.

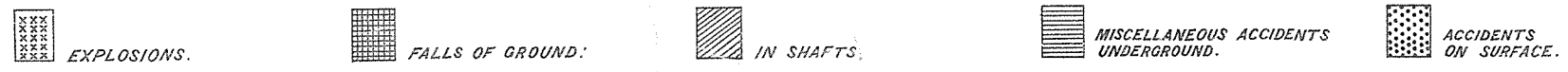
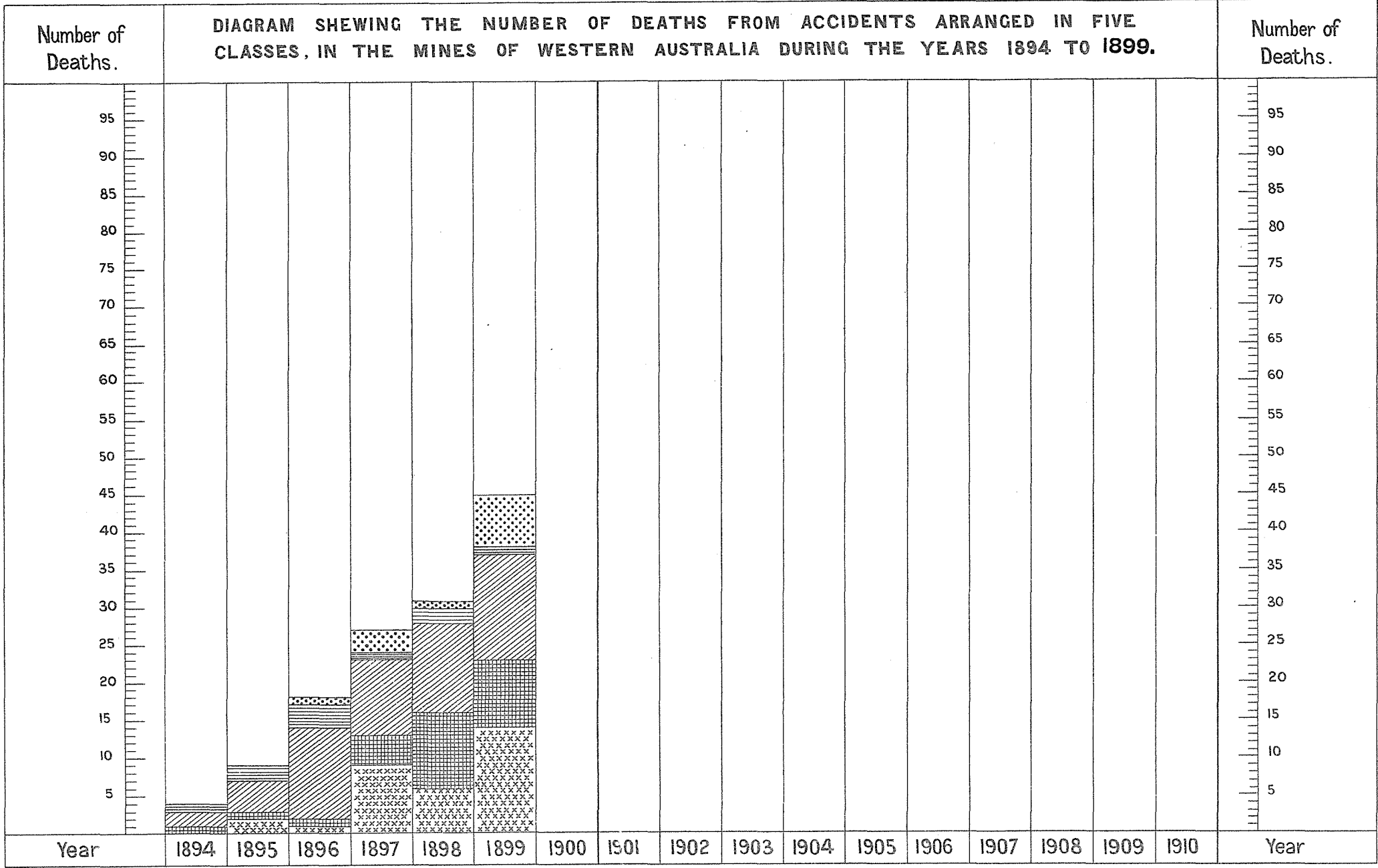


TABLE 3.

A Comparative Table showing the Averages of Gold Ore raised, and Yield therefrom per man employed, on the different Goldfields of the Colony, for the Years 1898 and 1899.

GOLDFIELD.	1898.				1899.			
	Number of Tons of Gold Ore raised,		Number of Ounces of Gold produced.		Number of Tons of Gold Ore raised.		Number of Ounces of Gold produced.	
	Per man employed under ground.	Per man employed above and under ground.	Per man employed under ground.	Per man employed above and under ground.	Per man employed under ground.	Per man employed above and under ground.	Per man employed under ground.	Per man employed above and under ground.
	tons.	tons.	ozs.	ozs.	tons.	tons.	ozs.	ozs.
1. Kimberley	17.50	11.66	13.00	8.66	115.66	57.83	83.33	41.66
2. Pilbarra	61.65	24.43	112.95	44.77	56.90	31.53	119.17	66.04
3. West Pilbarra	6.12	3.67	9.90	5.94	38.26	18.33	52.17	25.00
4. Ashburton ... ..	...	...	...	...	...	...	...	...
5. Gascoyne ... ..	...	...	...	...	117.50	58.75	107.00	53.50
6. Peak Hill	34.93	20.09	126.96	73.00	52.00	31.00	149.88	90.18
7. East Murchison	119.65	69.75	132.29	77.12	168.66	76.66	167.70	76.22
8. Murchison	130.48	79.94	110.51	67.70	87.41	47.91	101.57	55.67
9. Yalgoo	61.45	23.91	45.81	17.83	104.87	56.04	70.87	37.87
10. Mt. Margaret	61.08	38.35	79.24	49.74	110.02	57.47	114.96	60.05
11. North Coolgardie	54.37	30.97	93.08	53.02	108.65	59.26	134.09	73.14
12. Broad Arrow	118.09	66.67	95.83	54.10	123.66	68.00	98.72	54.28
13. North-East Coolgardie	230.82	127.33	238.92	159.38	211.01	115.20	195.53	106.75
14. East Coolgardie	108.95	54.93	174.04	87.74	180.07	91.34	329.77	167.27
15. Coolgardie	111.17	61.46	101.71	56.23	109.69	60.54	87.09	48.07
16. Yilgarn	155.34	92.07	65.74	38.97	165.36	83.09	81.04	40.72
17. Dundas	144.52	82.91	171.92	98.64	178.85	108.55	132.30	80.29
18. Donnybrook	3.00	1.20	2.50	1.00	8.93	5.67	14.51	9.21
Averages	106.92	58.32	134.73	73.49	137.16	72.97	179.91	95.72

TABLE 4.

Quantity of Coal raised during the Years 1898-1899, and estimated Value thereof, with Number of Men employed, and output per Man, in the Year 1899.

Name of Coalfield.	Year.	Coal.		Number of Men employed.		Quantity raised.		Remarks.
		Quantity raised.	Estimated value.	Above ground.	Under ground.	Per Man employed under ground.	Per Man employed above and under ground.	
Collie	1898	tons	£	* Of these a few hundred tons were raised prior to 1898.
	1899	54,336	25,951	46	146	372	283	
Total ... ..	...	57,844	27,712	46	146	372	283

TABLE 5:
Quantity and Value of Minerals, other than Gold, reported
to the Mines Department during 1899.

Mining District.	Quantity.	Value.
COPPER.		
	Tons.	c
Mount Margaret	273·00	4,338
Northampton	136·00	2,122
Roebourne	2,555·00	29,478
Total	2,964·00	35,938
IRONSTONE.		
From Colony generally	12,852·00	8,939
LEAD.		
Northampton	82·75	912
LIMESTONE.		
From Colony generally	17,593·00	2,838
TIN.		
Greenbushes	277·30	21,657
Marble Bar	57·50	3,612
Total	334·80	25,269

By the courtesy of the Registrar General, I am able to furnish the following table, giving the dividends paid by the various Mining Companies during 1899. No account is taken of dividends paid from profits made in share speculations or liquidation settlements, but only those paid from the profits of legitimate mining enterprise are given.

TABLE 5A.
Dividends Paid during 1899.

Goldfield.	Mining Company.	Par value of Shares.	Paid up to	Nominal Capital.	Number of Shares Issued.	No. of Dividends paid in 1899.	Total Amount Paid in 1899.
		£ s. d.	£ s. d.	£			£
Murchison ...	Golconda Gold Mines, Ltd.	1 0 0	0 17 6	100,000	96,000	1	6,750
	Mt. Yagahong G.M. and Exploration Co., Ltd.	...	...	...	200,000	1	5,000
East Murchison ...	East Murchison United, Ltd. ...	1 0 0	1 0 0	150,000	150,000	3	30,000
Peak Hill	Peak Hill Goldfields, Ltd.	1 0 0	1 0 0	250,000	250,000	2	50,000
Mt. Margaret ...	Mt. Malcolm Proprietary G.M., Ltd.	...	...	...	212,500	1	10,625
North Coolgardie	Lady Shenton G.M., Ltd.	1 0 0	1 0 0	160,000	160,000	4	32,000
	Queensland Menzies G.M. Co. (N.L.)	0 5 0	0 4 6	33,000	132,000	4	13,200
North-East Coolgardie	White Feather Main Reef, Ltd. ...	1 0 0	1 0 0	160,000	140,557	3	10,547

TABLE 5A—continued.

Dividends Paid during 1899—continued.

Goldfield.	Mining Company.	Par value of Shares.	Paid up to	Nominal Capital.	Number of Shares Issued.	No. of Dividends paid in 1899.	Total Amount Paid in 1899.
		£ s. d.	£. s. d.	£			£
East Coolgardie ...	Associated G.M. of W.A., Ltd. ...	1 0 0	0 17 6	500,000	450,000	3	180,000
	Great Boulder Main Reef, Ltd. ...	0 10 0	0 10 0	130,000	260,000	1	12,000
	Great Boulder Perseverance G.M. Co., Ltd.	1 0 0	1 0 0	175,000	175,000	1	8,750
	Great Boulder Proprietary G.M., Ltd.	0 2 0	0 2 0	175,000	1,750,000	5	211,250
	Hannan's Brown Hill G.M. Co., Ltd.	1 0 0	1 0 0	140,000	140,000	4	176,250
	Ivanhoe Gold Corporation, Ltd. ...	5 0 0	5 0 0	1,000,000	200,000	5	250,000
	Lake View Consols, Ltd. ...	1 0 0	1 0 0	250,000	250,000	4	625,000
	North Boulder G.M. Co., Ltd. ...	0 10 0	0 10 0	110,000	220,000	2	19,218
	Golden Horseshoe Estates Co., Ltd.	5 0 0	5 0 0	1,500,000	300,000	4	300,000
Coolgardie ...	Burbanks Birthday Gift G.M., Ltd.	1 0 0	1 0 0	150,000	150,000	5	41,250
	Premier G.M. Co. (N.L.) ...	1 0 0	0 12 9	50,000	50,000	2	5,000
	Bayley's United G.M. Co. ...	1 0 0	1 0 0	620,000	620,000	1	31,000
	Bendigo and Coolgardie Proprietary Co. (N.L.)	...	...	...	16,640	1	832
Dundas ...	Princess Royal G.M. Co. (N.L.) ...	0 10 0	*	40,000	80,000	2	8,000
	Lady Mary G.M. Co. (N.L.)...	0 10 0	0 9 0	30,000	60,000	3	9,000
Total...	...	...	...	...	...	...	2,035,672

* 45,000 shares paid up to 6s. 6d., and 35,000 up to 10s.

PART III.

Leases and other Holdings under the Acts relating to Mining:—

TABLE 6.

Total Number and Area of Leases for Gold Mining in Western Australia on 31st December, 1898 and 1899.

Title.	1898.		1899.	
	No.	Area.	No.	Area.
Goldfields Acts ...	2,835	acres. 39,394	2,609	acres. 36,118
Private Property Act, 1898 ...	...	...	16	218
Sluicing and Dredging Act, 1899 ...	...	...	...	...
Total ...	2,835	39,394	2,625	36,336

It will be seen from Table 6 that the number of leases held for gold mining has decreased during the year, there being 210 leases less than in 1898, while the area has decreased to the extent of 3,058 acres. This decrease is not to be wondered at, considering the number of leases held for speculative purposes in the past, which are gradually being abandoned. The leases under the Mining on Private Property Act are all situated in the Donnybrook Goldfield. A few leases are held in the Newcastle District on private property, but these are leased by the proprietor of the private land under an Act now repealed.

TABLE 7.

GOLDFIELDS.		DISTRICTS.		No. and Area of Gold Mining Leases in force on 31st December each Year since the Proclamation of each Goldfield and District.																								Percentage of total Area Leased.			
				1888.		1889.		1890.		1891.		1892.		1893.		1894.		1895.		1896.		1897.		1898.		1899.				1898.	1899.
Name.	Proclaimed.	Name.	Proclaimed.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	1898.	1899.		
Kimberley ...	20-5-86	1	25	9	105	22	160	27	192	15	118	6	73	2	13	2	13	3	32	3	32	3	32	3	32	3	32	08	08
Yilgarn ...	22-11-88	...	...	...	...	7	101	37	413	20	266	23	306	64	690	31	426	109	1,563	161	2,445	76	1,140	43	732	46	788	186	220
Pilbarra ...	8-7-89	Marble Bar	6-11-96	...	...	...	...	1	25	1	25	9	88	14	133	69	573	114	1,137	113	1,296	72	773	95	855	34	277	217	76
Ashburton ...	11-12-90	Nullagine...	6-11-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	26	282	16	164	15	152	24	195	38	53
Murchison ...	24-9-91	Cue ...	...	...	...	...	...	...	...	...	...	12	131	75	650	259	2,160	275	2,563	153	1,580	106	1,111	89	929	78	776	36	214
		Nannine ...	7-12-94	...	...	...	...	...	...	...	...	...	...	...	...	42	371	42	371	87	837	76	772	73	752	105	1,119	190	310
		Day Dawn	10-1-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	78	820	66	651	63	610	53	503	155	140
		Mt. Magnet	7-12-94	...	...	...	...	...	...	...	...	...	...	...	...	7	57	75	733	116	1,167	107	1,011	139	1,371	115	1,047	347	290
Dundas ...	31-8-93	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	227	188	2,485	267	3,468	188	2,382	126	1,547	110	1,352	391	374
Coolgardie ...	6-4-94	Kunanalling	1-9-97	...	...	...	...	...	...	...	...	...	...	...	...	410	4,843	1,198	15,786	1,403	19,927	417	5,184	299	3,860	272	3,427	979	948
East Coolgardie	1-10-94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	256	3,595	1,639	26,886	885	16,110	665	11,634	491	8,161	393	6,535	2072	1810
Yalgoo ...	23-1-95	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	126	1,285	179	1,993	85	931	61	622	49	495	156	137
North Coolgardie	28-6-95	Menzies ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	209	3,757	110	1,977	97	1,491	81	1,109	395	392
		Ularring ...	20-3-96	209	3,757	110	1,977	97	1,491	81	1,109	395	307	
		Yerilla ...	20-3-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	177	3,235	103	1,943	44	675	38	574	171	158
		Niagara ...	12-3-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	90	1,380	80	1,031	80	907	261	252	
East Murchison	28-6-95	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	76	1,172	111	1,761	120	2,342	112	1,524	435	422
West Pilbarra	1-11-95	...	...	...	...	...	...	...	...	...	...	...	...	...	...	41	536	58	784	25	340	7	89	9	101	22	29	22	29
North-East Coolgardie	15-4-96	Kanowna ...	13-11-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	416	6,957	212	3,271	119	1,643	125	1,602	417	445
		Bulong ...	13-11-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	256	4,412	139	2,087	60	924	59	818	234	226
		Kurnalpi ...	13-11-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	54	887	52	807	32	492	8	133	124	36
Broad Arrow ...	20-11-96	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	480	6,041	288	4,147	176	2,453	128	1,711	621	474
Peak Hill ...	1-4-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	23	150	75	883	117	1,697	223	470
Mount Margaret	1-4-97	Mt. Margaret	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	69	1,335	66	1,215	88	1,634	308	452	
		Mt. Malcolm	1-4-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	174	3,172	193	3,523	206	3,885	894	1075	
Gascoyne ...	15-4-97	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	60	5	66	5	72	16	20	
Donnybrook ...	27-11-99	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45	807	...	224
Totals ...	...	...	...	1	25	16	206	60	598	48	483	59	643	159	1,546	1,095	12,265	4,591	65,576	5,831	86,855	3,700	54,539	2,835	39,394	2,609	36,118	100	100

Table 7 gives some idea of the demand for auriferous lands since the first lease was taken up in 1888. At the end of 1893 only 1,546 acres were leased; in 1894 the Coolgardie Goldfield was proclaimed, and the area leased rose to 12,265 acres, increasing in 1895 to 65,576 acres; and in 1896, when a wild rush for land took place, to 86,855 acres. That many of these leases were taken up for speculative purposes there is no doubt, and is evidenced by the fact that the area leased has gradually decreased since 1896. It may be interesting to note that, taking the total amount of gold produced from leases during 1899, the average production per acre leased is 42½oz. In the East Coolgardie Goldfield for the same period the average production per acre leased is nearly 131oz.

TABLE 8.

Districts.		Sub-Districts.		Number and Area of Mineral Leases in force on 31st December each year since Proclamation of each District and Sub-district.												Percentage of total area leased.					
Name.	Pro-claimed.	Name.	Pro-claimed.	1893.		1894.		1895.		1896.		1897.		1898.		1899.		1898.	1899.		
				Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.	Leases.	Area.				
Murchison ...	24-9-91	Cue ...	7-12-94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nannine ...	7-12-94	
		Mt. Magnet Day Dawn	7-12-94 10-1-96	...	...	...	...	...	...	...	...	...	...	1	5	1	5	·02	·02
Greenbushes ...	7-4-92	...	...	1	20	...	...	...	...	2	40	2	40	2	40	88	1,977	·18	7·23
Pilbarra ...	16-6-92	Marble Bar	16-6-92	...	...	...	...	...	...	...	...	...	...	...	...	16	601	...	2·19
		Nullagine	6-11-96	...	...	...	...	...	...	...	...	...	...	...	...	2	300	...	1·09
Yalgoo ...	23-1-95	...	...	...	...	...	...	...	...	...	...	3	120	...	...	...	...	·52	...
Yilgarn ...	22-3-95	...	...	...	...	...	...	...	...	...	...	1	160	...	...	...	...	·7	...
Coolgardie ...	22-3-95	Coolgardie	22-3-95	...	...	6	85	10	169	15	217	21	259	5	45	...	...	1·16	·16
		Kunanalling	1-9-97	
East Coolgardie	22-3-95	...	...	...	...	...	...	10	278	26	442	37	495	27	383	...	...	2·21	1·39
East Murchison	28-6-95	...	...	...	...	...	...	...	...	...	...	3	4	...	...	...	...	·01	...
North Coolgardie	16-8-95	Menzies ...	15-3-96	...	...	...	...	1	40	...	...	1	12	4	20	...	...	·05	·07
		Ularring ...	15-3-96	
		Yerilla ...	15-3-96	
		Niagara ...	1-3-97	
West Pilbarra ...	1-11-95	...	...	...	...	...	...	5	103	6	145	18	490	16	499	...	...	2·19	1·46
Dundas ...	27-12-95	...	...	...	...	...	...	...	...	...	...	1	6	1	6	...	...	·02	·02
Collie (Coalfield)	21-2-96	...	...	...	...	...	...	43	13,373	81	25,413	64	19,973	71	22,213	...	...	89·34	81·14
North-East Coolgardie	15-4-96	Kanowna ...	15-4-96	1	4	2	9	2	17	·04	·06
		Bulong ...	15-4-96
		Kurnalpi ...	15-4-96
Broad Arrow ...	20-11-96	...	...	...	...	...	...	...	...	...	...	5	95	5	120	...	...	·42	·43
Northampton ...	1-1-97	...	...	...	...	...	...	...	...	29	512	41	712	20	313	...	...	3·18	1·14
Peak Hill ...	1-4-97	
Mount Margaret	1-4-97	Mt. Margaret	1-4-97	
		Mt. Malcolm	1-4-97	2	60	2	60	*	*	·26	...	
Gascoyne ...	15-4-97	
Yandanooka ...	1-12-97	...	...	...	...	...	...	...	...	...	...	3	60	5	128	...	...	·26	·46
Phillips River ...	1-7-99	...	...	...	...	...	...	...	...	...	...	...	...	5	750	...	...	...	2·74
Totals ...	...	...	...	1	20	...	...	6	85	71	14,003	162	26,833	205	22,500	268	27,377	100	100

* Six Applications for Mineral Leases not yet approved.

Table 8 gives the number and area of the leases granted for the working of minerals other than gold, and it will be seen that, as compared with 1898, an increase of 63 appears in the number of leases, and in the area an increase of 4,877 acres.

In no previous year has the area leased (27,377 acres) been equalled, though in 1897, when many Coal Mining Leases were granted, it was only 544 acres less.

The number of districts in which "Mineral Leases" are held shows that the development of the mineral wealth of the Colony, as a whole, is not being confined to that of its gold deposits only.

TABLE 9.

Showing the Number and Area of Mineral Leases in force at the end of the Years 1898 and 1899, classified according to the Minerals for which they are worked.

Minerals.	1898.		1899.	
	Leases.	Area.	Leases.	Area.
Coal	64	19,973	71	22,213
Tin	2	40	103	2,528
Copper	19	592	27	1,374
Lead and Copper	44	772	23	473
Diamonds ... ..	...	...	2	300
Clay (for bricks)	30	232	20	181
Stone	17	169	14	155
Mica	4	50	2	22
Ironstone	5	235	4	75
Limestone	10	94	1	6
Slate	1	10	...	...
Granite	1	5	...	...
Quicksilver	2	128	...	...
Asbestos	5	185	...	...
Silver	1	15	...	...
Various Minerals ... ..	...	...	1	50
	205	22,500	268	27,377

It is apparent from Table 9 that there has been a marked demand for tin and copper leases during the year, the increase in the area leased for tin mining being most marked. The larger part of this area is held on the Greenbushes Tinfield.

TABLE 10.

Authorised Holdings under the Goldfields Regulations in force on 31st December, 1898 and 1899.

HOLDINGS.	Donnybrook.		Yilgarn.		Pilbarra.		Ashburton.		Murchison.		Dundas.		Coolgardie.		East Coolgardie.		Yalgoo.		North Coolgardie.		East Murchison.		North-East Coolgardie.		Broad Arrow.		Peak Hill.		Mount Margaret.		TOTALS.	
	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.
Water Rights	14	17	10	10	3	3	60	69	80	48	63	70	76	81	4	4	116	129	20	21	43	39	6	8	5	6	17	28	517	533
Area of Water Rights	41	52	7	7	3	3	138	164	493	450	286	330	2,120	2,143	4	4	4,605	4,622	24	29	319	269	29	39	53	35	685	147	8,817	8,294
Quartz Claims	4	...	34	63	4	5	132	135	75	26	38	44	...	2	10	13	41	32	15	32	15	46	8	24	2	2	17	30	395	454
Alluvial	4	5	1	3	...	...	9	8	...	...	2	5	3	3	210	254	13	19	1	1	...	...	243	298
Protection Areas	2	22	...	...	24	35	...	...	44	103	2	3	21	23	11	18	13	28	49	43	87	99	38	64	17	22	2	5	30	49	340	514
Residence	24	25	66	83	...	...	118	131	70	55	59	68	1,621	1,355	128	132	290	295	98	62	171	79	2	1	1	4	...	62	2,648	2,352
Business	10	14	13	20	1	1	66	88	18	24	112	126	59	63	20	22	172	195	32	29	49	51	13	13	2	5	10	57	577	708
Machine	1	3	...	...	13	15	...	...	8	11	13	6	13	17	11	11	6	6	5	7	5	6	10	22	1	1	3	...	4	...	95	103
Tailings	6	11	3	5	...	...	10	14	8	3	4	12	3	3	3	3	...	3	5	6	2	7	1	3	1	1	...	4	46	75
Garden	3	3	11	9	...	...	18	22	...	...	3	5	17	39	2	3	2	3	12	8	1	2	...	...	2	2	1	6	72	102
Tunnelling	2	3	...	...	...	...	...	...	...	...	...	...	...	...	2	3
Poultry Farms	16	37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	37

TABLE 11.

Authorised Holdings under the Mineral Regulations in force on 31st December, 1898 and 1899.

Holdings.	Greenbushes.		Pilbarra.		Ashburton.		East Coolgardie.		North-East Coolgardie.		Northampton.		Totals.	
	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.
Water Rights ...	3	69	...	1	...	...	...	...	...	...	...	...	3	70
Lode Claims ...	...	4	...	...	...	...	...	...	...	...	...	...	...	4
Alluvial Claims ...	21	299	...	...	...	...	...	...	...	...	...	...	21	299
Reward Claims ...	...	...	...	...	...	...	2	1	...	...	...	...	2	1
Protection Areas ...	...	4	1	2	2	2	2	1	1	4	1	4	5	17
Residence do. ...	4	221	...	...	...	...	...	...	...	...	...	...	4	221
Business do. ...	2	28	...	...	...	...	...	...	...	...	...	...	2	28
Machine do. ...	...	4	...	...	...	...	...	...	...	...	...	...	...	4
Tailings do. ...	...	4	2	2	...	...	...	...	...	...	...	...	2	6
Garden do. ...	1	2	...	...	...	...	...	...	...	...	...	...	1	2

Tables 10 and 11 give the number of holdings other than leases held in the Colony under the Goldfields and the Mineral Lands Acts. A general increase in the number of these for the year 1899 is noticeable. The number of Residence Areas held shows a decrease, but this is accounted for by the fact that many of those areas held in 1898 have been purchased by the holders, and the Crown Grants issued; further, that on the East Coolgardie Goldfield, where much settlement has taken place, residential lots have been taken up under the Land Act.

TABLE 12.

Rights and Licenses issued under the Goldfields and Mineral Lands Acts during the Years 1898 and 1899.

	1898.	1899.
Miners' Rights ...	15,635	11,285
Business Licenses ...	413	444
Consolidated Miners' Rights ...	9	11
Mining Licenses ...	295	1,575
Quarry Licenses ...	125	43
Business Licenses (Mineral Lands Act) ...	9	31

PART IV.—MEN EMPLOYED.

The number of men employed in mines in Western Australia is 17,131, and if to this is added the estimated number engaged in prospecting and in searching for alluvial gold, the total number engaged in all classes of mining is 22,051. An increase of 3,645 appears in the number of men employed in mines, while the alluvial workers have decreased to the extent of 1,837 men, the total increase for the year in the number of men engaged in all classes of mining being 1,808. The decrease in the number of alluvial workers is very marked in the case of the North-East Coolgardie Goldfield, as, owing to the working out of several of the deep leads, many were compelled to leave for other goldfields. Many went to East Coolgardie, and, doubtless, others took advantage of the regular employment afforded by the development of the mines in the various goldfields.

TABLE 13.

Number of Men employed at Mines for the Year 1899.

Description of Mineral.	Above Ground.	Under Ground.	Total.	Percentage of total number.	Comparison of total number employed with that of year 1898.
Coal	46	146	192	1.12	+ 122
Copper	86	61	147	0.85	- 13
Gold	7,525	8,555	16,080	93.87	+ 3,014
Lead	7	7	14	0.08	- 6
Tin	*623	75	698	4.08	+ 528
Total	8,287	8,844	17,131	100	+ 3,645

* As the tin obtained is principally "stream tin," the average number of alluvial workers has been included under the heading "Above ground."

It will be seen from the above table that of the total number of men employed in mining in the Colony, nearly 94 per cent. are engaged in gold mining. A very marked increase occurs in the number of men engaged in tin and coal mining.

TABLE 14.

Number of Men employed at Gold Mines during the Year 1899, classified according to the Goldfields and Districts of the Colony.

No.	Name of		No. of Mines.	Above Ground.	Under Ground.	Total.	Comparison with year 1898.
	Goldfield.	District.					
1	Kimberley ... ..	...	...	6	6	12	- 3
2	Pilbarra	Marble Bar Nullagine ... ..	...	45 62	79 54	124 116	- 129 + 94
3	West Pilbarra ... ..	...	...	25	23	48	- 7
4	Ashburton ... ..	...	...	3	3	6	- 6
5	Gascoyne ... ..	...	...	2	2	4	- 11
6	Peak Hill ... ..	...	...	139	210	349	+ 149
7	East Murchison ... ..	...	...	300	250	550	+ 92
8	Murchison	Cue Nannine Day Dawn Mount Magnet ... ..	...	102 175 84 268	145 234 91 293	247 409 175 561	+ 11 + 151 + 14 + 62
9	Yalgoo ... ..	...	...	149	171	320	+ 135
10	Mt. Margaret	Mount Malcolm Mount Margaret ... ..	...	423 205	451 236	874 441	+ 256 + 81
11	North Coolgardie	Menzies Ularring Niagara Yerilla ... ..	...	313 140 132 130	364 200 183 111	677 340 315 241	- 26 + 116 + 37 + 89
12	Broad Arrow ... ..	...	...	397	485	882	+ 402
13	North-East Coolgardie	Kanowna Bulong Kurnalpi ... ..	...	187 120 19	243 120 29	430 240 48	+ 87 + 16 - 14
14	East-Coolgardie ... ..	...	...	2,518	2,592	5,110	+ 298
15	Coolgardie	Coolgardie Kunanalling ... ..	...	769 378	957 456	1,726 834	+ 402 + 407
16	Yilgarn ... ..	...	...	200	202	402	+ 100
17	Dundas ... ..	...	...	215	332	547	+ 174
18	Donnybrook ... ..	...	...	19	33	52	+ 37
		Total ... ..	...	7,525	8,555	16,080	+ 3,014

The above table shows that, in the year 1899, 3,014 more men were engaged in gold mining than during 1898. The most marked increases in the numbers employed on individual fields are in the Coolgardie, Broad Arrow, and Mt. Margaret fields, while in several fields slight decreases appear.

TABLE 15.

Proportion of Men employed on each Goldfield.

No.	Name of				Percentage of total number of persons employed.	
	Goldfield.		District.		1898.	1899.
1	Kimberley	...	...	...	0·12	0·07
2	Pilbarra	...	{ Marble Bar	...	2·10	1·49
			{ Nullagine	...		
3	West Pilbarra	...	...	...	0·42	0·30
4	Ashburton	...	...	...	0·09	0·04
5	Gascoyne	...	...	...	0·12	0·02
6	Peak Hill	...	...	...	1·53	2·17
7	East Murchison	...	...	...	3·51	3·42
8	Murchison	...	{ Cue	...	8·83	8·66
			{ Nannine	...		
			{ Day Dawn	...		
			{ Mt. Magnet	...		
9	Yalgoo	...	...	...	1·42	1·99
10	Mt. Margaret	...	{ Mt. Malcolm	...	7·49	8·18
			{ Mt. Margaret	...		
			{ Menzies	...		
11	North Coolgardie	...	{ Ularring	...	10·39	9·78
			{ Niagara	...		
			{ Yerilla	...		
12	Broad Arrow	...	...	...	3·67	5·48
13	N.E. Coolgardie	...	{ Kanowna	...	4·81	4·47
			{ Bulong...	...		
			{ Kurnalpi	...		
14	East Coolgardie	...	...	...	36·83	31·78
15	Coolgardie	...	{ Coolgardie	...	13·40	15·92
			{ Kunanalling	...		
16	Yilgarn	...	...	...	2·31	2·50
17	Dundas	...	...	...	2·85	3·41
18	Donnybrook	...	...	...	0·11	0·32
					100	100

It may be seen that over 84 per cent. of the men employed in gold mines are employed on the East Coolgardie, Coolgardie, North Coolgardie, Murchison, Mt. Margaret, Broad Arrow, and North-East Coolgardie Goldfields, which rank in this respect in the order named. In 1898 the relative positions of the Broad Arrow and North-East Coolgardie fields were reversed.

TABLE 16.

Alluvial (Gold) Workers.

Goldfield.		Year 1898.	Year 1899.
1.	Kimberley	40	40
2.	Pilbarra	75	170
3.	West Pilbarra	73	68
4.	Ashburton	20	55
5.	Gascoyne	<i>Nil</i>	<i>Nil</i>
6.	Peak Hill	<i>Nil</i>	<i>Nil</i>
7.	East Murchison	50	50
8.	Murchison	135	91
9.	Yalgoo	50	20
10.	Mt. Margaret	91	60
11.	North Coolgardie	130	61
12.	Broad Arrow	500	390
13.	North-East Coolgardie	4,870	2,235
14.	East Coolgardie	500	1,500
15.	Coolgardie	190	130
16.	Yilgarn	8	10
17.	Dundas	25	40
18.	Donnybrook	<i>Nil</i>	<i>Nil</i>
		6,757	4,920

NOTE.—As it is impossible to obtain the actual number of alluvial workers, the number given in this Table has been estimated by the various Wardens.

I have thought it not inappropriate, in dealing with men employed, to append the following Table (17), giving the average ruling rate of wages for the principal classes of labour on the various goldfields:—

TABLE 17.

Average Ruling Rate of Wages per week on the different Goldfields, Mining Districts, and Coalfield of the Colony during 1899.

Goldfields, Mining Districts, and Coalfield.	Miners above Ground.			Miners under Ground.			Miners wet Ground.			Engine- drivers.			Mechanics.			Carpen- ters.			Labourers.			Remarks.		
	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.	£	s.	d.			
GOLDFIELDS.																								
1. Kimberley	4	0	0	4	0	0	4	0	0	4	10	0	4	10	0	4	10	0	4	10	0	The average of 2 districts		
2. Pilbarra	4	0	0	4	0	0	4	0	0	6	0	0	5	0	0	5	0	0	3	10	0			
3. West Pilbarra	3	0	0	3	10	0	4	0	0	4	0	0	4	0	0	4	0	0	3	0	0	Estimated		
4. Ashburton	4	0	0	4	0	0	...	...	...	...	...	...	...	...	...	...	...	...	3	0	0		
5. Gascoyne	4	0	0	4	0	0	...	...	...	...	...	...	...	...	...	...	...	...	3	0	0	The average of 4 districts	
6. Peak Hill	3	10	0	4	0	0	4	10	0	4	10	0	4	10	0	4	10	0	3		10	0
7. East Murchison	3	10	0	4	0	0	4	10	0	4	10	0	4	15	0	4	10	0	4	10	0	3	10	0
8. Murchison	3	5	0	3	15	0	4	0	0	4	0	0	4	0	0	4	0	0	4	0	0	3	0	0
9. Yalgoo	3	0	0	3	10	0	4	0	0	4	0	0	4	0	0	4	0	0	4	0	0	3	0	0
10. Mount Margaret	3	10	0	4	0	0	4	10	0	4	10	0	4	10	0	4	10	0	4	10	0	3	10	0
11. North Coolgardie	3	8	6	3	17	6	4	5	0	4	7	6	4	15	0	4	7	6	3	8	6	The average of 4 districts		
12. Broad Arrow	3	10	0	3	10	0	4	0	0	4	0	0	4	10	0	4	10	0	4	10	0	3	10	0
13. North-East Coolgardie	3	10	0	3	15	0	4	0	0	5	5	0	5	0	0	5	0	0	3	3	0	The average of 3 districts		
14. East Coolgardie	3	10	0	4	0	0	4	15	0	3	15	0	4	10	0	4	10	0	3	0	0	The average of 2 districts		
15. Coolgardie	3	0	0	3	10	0	4	0	0	4	0	0	4	10	0	4	0	0	3	0	0	The average of 2 districts		
16. Yilgarn	2	14	0	3	0	0	3	15	0	3	15	0	3	15	0	3	15	0	2	14	0			
17. Dundas	3	5	0	3	15	0	4	0	0	4	0	0	4	10	0	4	0	0	3	5	0			
18. Donnybrook	3	0	0	3	0	0	3	12	0	4	0	0	3	12	0	3	12	0	2	8	0			
MINING DISTRICTS.																								
19. { Northampton and } { Yandanooka }	2	10	0	2	15	0	3	5	0	2	15	0	3	15	0	3	5	0	2	5	0			
20. Greenbushes	2	8	0	2	8	0	2	10	0	...	...	...	3	6	0	...	...	...	...	...	...
21. Phillips River	3	0	0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COALFIELD.																								
22. Collie	*4	4	0	3	0	0	3	0	0	3	0	0	3	0	0	2	8	0	*Average estimated; men paid by results
Average ruling rate	3	6	2	3	12	10	3	18	11	4	3	2	4	5	8	4	2	4	3	2	1			

PART V.—ACCIDENTS.

TABLE 18.

Number of Deaths from Accidents in 1899, and the Death Rate per 1,000 Men employed and per 1,000 Tons of Gold Ore raised in Mines, in the different Goldfields, during the Years 1898 and 1899.

Goldfield.	Number of Deaths.			Death Rate from Accidents per 1,000 Men employed.				Number of Deaths per 1,000 Tons of Gold Ore raised.	
	1899.			1899.			1898.	1899.	1898.
	Above Ground.	Under Ground.	Total.	Above Ground.	Under Ground.	Total.	Total.		
1. Kimberley ... ..	...	...	...	...	...	...	...	...	...
2. Pilbarra ... ..	...	1	1	...	7.52	4.16	...	.13	...
3. West Pilbarra ... ..	...	...	...	...	...	...	...	...	...
4. Ashburton ... ..	...	...	...	...	...	...	...	...	...
5. Gascoyne ... ..	...	...	...	...	...	...	...	...	...
6. Peak Hill ... ..	...	...	...	...	...	...	...	...	...
7. East Murchison	1	...	1	3.33	...	1.81	...	.02	...
8. Murchison ... ..	...	3	3	...	3.93	2.15	4.33	.04	.05
9. Yalgoo ... ..	...	4	4	...	23.39	12.50	...	.22	...
10. Mt. Margaret	1	5	6	1.59	7.27	4.56	1.02	.08	.02
11. North Coolgardie	1	1	2	1.40	1.16	1.27	2.21	.02	.07
12. Broad Arrow ... ..	...	3	3	...	6.18	3.40	6.25	.05	.09
13. North-East Coolgardie ... ..	...	3	3	...	7.65	4.17	3.18	.03	.02
14. East Coolgardie	4	10	14	1.58	3.85	2.73	3.11	.03	.05
15. Coolgardie ... ..	...	5	5	...	3.53	1.95	1.14	.03	.02
16. Yilgarn ... ..	...	2	2	...	9.90	4.97	...	.06	...
17. Dundas ... ..	...	...	...	...	...	...	...	...	...
18. Donnybrook ... ..	...	...	...	...	...	...	...	...	...
Totals and Averages	7	37	44	.93	4.32	2.73	2.37	.04	.04

The death rate from accidents is somewhat higher for the year 1899 than for the previous year, though for several of the more important goldfields it is lower.

A large proportion of the deaths is due to the disregard of ordinary precautions in the use of explosives.

One of the most serious accidents during the year occurred at Field's Find Gold Mine, on the Yalgoo Goldfield, on 31st August, when an explosion of gelignite took place at the 200 feet level, and four men working there were blown to pieces. Though there was no direct evidence as to the actual cause of the explosion, it was shown at the inquiry that the dynamite for use in the level was stored on the plat, where the miners were accustomed to carry naked lights and to smoke. It was also shown that it was no uncommon thing for detonators to be loose in the box containing the dynamite, and that, on the morning of the accident, a fifty-pound box of this explosive, and some detonators, were sent down and stored in the usual place in the plat, in contravention of the general rules.

In April, an accident, by which three men were killed, occurred at the Westralia Mt. Morgans Mine. The men going off shift tried twice to fire two holes by electricity, but without success. The three men who took their places then re-connected the wires, and the shots appeared to go off, but shortly after they went down the shaft an explosion occurred. The evidence went to show that one hole had missed fire, and that the charge had been exploded by the careless use of a drill or a pump in the hole.

A fatality, fortunately an uncommon one, occurred at the Paddington Consols in September, a man being suffocated in one of the stopes. Cyanide residues were being used for filling, and, on the day of the occurrence, were taken direct from the vat to a stope with a blind end. It appears that the air-pass became choked, and the deceased man was overcome by the bad air, and three other men working in the same stope were seriously affected. There seemed every reason to believe that, in the absence of proper ventilation, the fumes from the cyanide residues were the cause of the fatality; and, as stope-filling with cyanide residues is not uncommon in many of our mines, an amendment of the Mines Regulation Act was made by the Legislature, then sitting, providing that there should be provided "an adequate amount of ventilation to the extent of not less than one hundred cubic feet of air per minute for each man and boy, and one hundred and fifty cubic feet per minute for each horse employed underground in a mine, excepting in cases where noxious gases exist to a dangerous degree, when the quantity of air required shall be increased to five hundred cubic feet respectively."

Only one fatal accident occurred in connection with coal mining, and this was caused by a shot fired by one miner "blowing through" to the place where another miner was taking refuge from a shot he was himself firing, the result being that the second man received the full force of the shot, and his injuries ended fatally. All the miners in this part of the mine appear to have known that the shot might "blow through," and the accident seems to have been caused by a misunderstanding as to the firing.

The Inspectors of Mines report that mine managers generally take all necessary precautions against accidents, and display the greatest willingness to introduce any improvement which, in the opinion of the Inspectors, tends to minimise the chance of a fatality.

PART VI.—ENGINE-DRIVERS' EXAMINATIONS.

To the end of the year 1899, 2,102 candidates have received certificates, 302 of these only authorising their holders to drive engines other than winding engines. During the year 1899 the various Boards of Examiners have held examinations on 103

days, and have issued 224 First-class Certificates of Competency, 105 First-class Certificates of Service, and five Certificates of Competency with restrictions indorsed thereon, making them equal to a Second-class Certificate under the present Act. This Act (the Mines Regulation Amendment Act), passed towards the end of the year, provides for the issue of First and Second Class Certificates, the former authorising the holder to drive any engine used for mining purposes, the latter any engine but a winding engine. Learners' Permits are also issued to persons not less than 17 years of age, on the Board being satisfied that they have received an elementary education, and that they are not subject to any physical defect.

Sixteen examining boards exist in the Colony, and usually consist of the Inspector of Mines for the district, a mine manager, and a certificated engine-driver. With so many boards, it is perhaps a hard matter to attain a uniform standard of examination, but the hitherto imperfect communication and the long distances between the various mining centres have rendered a number of boards necessary. In the future it may be possible to reduce the number of boards, and to devise means for attaining a more uniform standard in the examinations.

The following table shows details of the examinations held by the various Boards of Examiners:—

TABLE 19.

Showing the Number of Days on which Examinations for Certificates of Competency and Service were held by the several local Boards on the Goldfields and in Perth, with details of the different classes of Certificates issued during the Year 1899.

Place of Examination.	Number of Days of Examination.		Certificates Issued.								
	Com-petency.	Service.	Competency.				Service.				
			Second Class.	First Class.	First in ex-change for Second.	Copies.	Second Class.	First Class.	First in ex-change for Second.	Copies.	
Central Goldfields.	Peak Hill ...	1	...	...	4	...	...	...	...	...	...
	Lake Darlôt ...	1	...	...	4	...	...	...	...	...	...
	Lawlers ...	1	...	...	5	...	...	...	...	...	...
	Cue ...	3	2	...	18	2	2	...	1	...	1
	Nannine ...	2	1	...	10	...	1	...	1	...	...
	Mt. Magnet ...	2	...	...	17	1	...	...	...	...	...
Eastern Goldfields.	Yalgoo ...	1	...	...	4	2	...	...	...	...	...
	Mt. Malcolm ...	2	2	...	10	...	...	...	8	...	...
	Menzies ...	2	2	...	7	...	...	...	2	...	...
	Kanowna ...	8	6	...	54	...	2	...	13	...	...
	Kalgoorlie ...	14	20	* 2	34	...	3	...	53	...	1
	Coolgardie ...	8	5	...	18	...	...	...	15	...	...
	Southern Cross ...	1	...	...	7	...	...	...	...	...	...
Collie	Norseman ...	2	...	...	8	...	...	...	...	...	...
	... ..	1	1	...	1	...	...	...	8	...	...
Perth	11	4	* 3	23	...	...	...	4	...	...
TOTAL	60	43	5	224	5	8	...	105	...	2	

* Indorsed N.D.W.E., signifying "Not to drive a winding engine."

PART VII.—MINING STATISTICS.

In the Appendix to this Report will be found the various statistics relating to the production of gold and other minerals.

In a country of the extent of Western Australia, in which the mining industry is of comparatively recent growth, the collection of statistics presents a good many difficulties, but these are being gradually surmounted, and it is hoped that in the course of time means will be devised to obtain returns of practically all the mineral raised. In another part of this report I have remarked on the difference between the yearly gold output as deduced from the Customs and Mint returns and the output reported to

the Mines Department, the former return being in excess of the latter. There can be little doubt that the difference is to a great extent to be accounted for by the alluvial gold that is not reported to the Department; and though the difference may, to a certain extent, be reduced in the future, yet it is probable that the departmental return will always be the smaller.

Returns of minerals other than gold are published for the first time with the Annual Statistics, no detailed returns having been collected by the Department in previous years.

I cannot speak too highly of the interest the Statist has taken in the work of his branch during the year. He has spared no pains to make the returns as complete and accurate as possible, and a careful perusal of the statistics compiled by him will show more clearly than anything else the progress of the development of the mineral resources of the Colony.

PART VIII.—PUBLIC BATTERIES.

State aid has been afforded to mining in various countries in different ways. In Western Australia, since the discovery of gold, the Government has indirectly assisted mining by the construction of tanks, the erection of condensers, the building of railways, and clearing of roads, probably to a greater extent than that of any other colony, and to this timely assistance, together with the amount of capital and the energy of the population attracted by the discovery of gold, is due the rapid development of goldfields situated in localities previously uninhabited, owing to their few natural advantages.

As the country was prospected, it was recognised that in some localities, though promising reefs had been discovered, no means of crushing the ore were available, and a prospector, having found an apparently payable reef, and being unable to sell it, was forced to abandon it, often without proving its worth. In 1898, Sir John Forrest (the Hon. E. H. Wittenoom being Minister of Mines) decided to provide Public Batteries where no crushing facilities were available, and a sum of £40,000 was placed on the Estimates for the purpose. The first Public Battery was opened at Norseman in October, 1898, and to the end of 1899 £59,510 has been spent in erecting 10 Batteries and procuring water, and £18,387 in wages and upkeep.

Leaving interest on capital out of the question, the loss on the working of these batteries has, to the end of the year, been £3,487. Considering the impetus given to mining in localities near these batteries, this cannot be considered an undue expenditure; and doubtless, when the difficulties and expenses attendant on the organisation of efficient staffs, the erection of machinery in remote localities, and the obtaining of adequate supplies of water are overcome, there will be little or no loss on their working.

It has been urged that the erection by the Government of batteries is an interference with private enterprise, and that there are many persons who, if they saw a possibility of a fair return for capital invested, would erect crushing plants. The general experience has been, however, that with many other openings for investment, such persons naturally want to be absolutely certain beforehand that the erection of a battery will return a profit, and frame their crushing charges to make that profit as large as possible. Hitherto the policy of the Mines Department has been not to erect batteries where reasonable crushing facilities exist; but the Government has considered that it is justified, while ascertaining that a district affords a fair prospect of a successful career for a battery, in taking risks that a private individual would not be warranted in taking.

In several cases it has been found necessary to move batteries from a district, as the stone coming forward did not warrant the upkeep of a manager and staff, but it cannot be said that these localities have been proved worthless from a gold mining point of view, but only that they are not suitable for small parties working low-grade ore on a small scale.

Attached to the Report of the Superintendent of Public Batteries will be found detailed statements of the working costs, and other particulars in connection with the various batteries.

PART IX.—INSPECTION UNDER THE STEAM BOILERS ACT.

As will be seen by the report of the Chief Inspector of Boilers, on 31st December, 1899, 1,486 boilers were registered, as provided by the Steam Boilers Act, and of these 985 were inspected during the year. Out of that number 26 were temporarily, and 14 permanently, condemned. Since the appointment of Mr. C. J. Mathews as Chief Inspector in August last, the Boilers Branch has been thoroughly re-organised. That re-organisation was needed, will be readily seen when it is considered that the former Chief Inspector had no assistance in the Office, and in addition to generally supervising the inspection of boilers in the Colony, was supposed as well to inspect, unaided, the boilers in the South-Western District.

It is a matter for congratulation that so few boiler explosions have been recorded in the past, and to this fact is perhaps due the occasionally-expressed opinion that regular inspections are unnecessary; but when the terrible results of boiler explosions both to life and property are considered, it is apparent that every precaution should be taken to minimise the chance of their occurrence.

The Inspectors under the Act have been instructed to observe that section of the Act which provides that in making inspection they shall not unnecessarily inconvenience owners of boilers; and, from the few complaints received, the Inspectors seem to have carried out their duties in this respect. To do this necessitates, in many cases, long journeys and work on Sundays and holidays.

As the Chief Inspector points out, the only engine-drivers' certificates issued in the Colony are issued under the Mines Regulation Act, and only authorise the holders to drive engines used in connection with mining. It is certainly desirable that persons in charge of boilers at factories and in towns should hold a certificate of competency.

PART X.—EXISTING LEGISLATION.

The following are the Acts and Regulations now in force relating to mining:—

1. The Goldfields Act, 1895, and Regulations thereunder.
2. The Goldfields Act Amendment Act, 1896.
3. The Goldfields Act Amendment Act, 1898, and Regulations thereunder.
4. The Mining on Private Property Act, 1898, and Regulations thereunder.
5. The Sluicing and Dredging for Gold Act, 1899, and Regulations thereunder.
6. The Mineral Lands Act, 1892, and Regulations thereunder.
7. The Mineral Lands Act Amendment Act, 1899.
8. The Mines Regulation Act, 1895.
9. The Mines Regulation Act Amendment Act, 1899, and Regulations thereunder.
10. Sunday Labour on Mines Act.

The Goldfields Act, 1895, is the Act principally regulating gold mining in the Colony, but some important amendments are embodied in the Amendment Act, 1898 (No. 3).

Among these are provisions for enabling a miner to work for alluvial on land the subject for an application for a lease, until the lease is granted; but, the lease being granted, the lessee to have the exclusive privilege of mining thereon.

The Amendment Act also provides for the amalgamation of a limited number of adjoining leases, and for the registration of gold buyers and dealers. The rent payable under the above Acts for land under Gold Mining Lease is £1 per acre per annum, and the regulations provide that one man shall be employed in mining on the lease for every six acres held.

The Mining on Private Property Act, 1898 (No. 4), provides for the granting by the Crown of gold mining leases and claims on private land after due compensation has been paid to the owners.

THE SLUICING AND DREDGING FOR GOLD ACT (No. 5).—The discovery of gold in the beds of some of the Salt Lakes on the Goldfields led to the passing during the year of an Act to allow the leasing of areas of 5,000 acres and under for the recovery of this gold by the process of dredging, which has been so successfully carried on in other parts of Australia, and more especially in New Zealand. The rental of land taken up under this Act is Sixpence per acre per annum, with a royalty of One shilling per ounce on gold won. Twelve months after the granting of the lease, machinery of the value of £3,000 for every 2,000 acres leased is to be employed.

The Mineral Lands Act, 1892, is the principal Act regulating mining for minerals other than gold, but some important amendments are enacted in the Mineral Lands Act Amendment Act, 1899, which was passed during the year. It is mainly directed to bring the law relating to land held for mining for minerals into line with that relating to Gold Mining. The rent payable for lands leased under this Act is Five shillings per acre per annum, except in the case of leases for coal mining, the rent for which is Sixpence per acre per annum, with a royalty of Threepence for every ton of coal raised during the first ten years of the term of the lease, and Sixpence for every ton raised during the remainder of the term.

The Sunday Labour on Mines Act (No. 10) prohibits the employment of workmen on Sunday, except in certain cases laid down under Section 4, which reads as follows:—

This Act shall not apply to the employment of persons engaged in—

- (a.) Connection with Smelting or Roasting Furnaces or Ore Reduction Plants using Cyanide or Chemicals in a continuous process;
- (b.) The protection of property in and about a mine;
- (c.) Attending to any furnace, engine, boiler, or machinery so that the same may be in working order at the close of Sunday;
- (d.) Pumping or otherwise clearing a mine from water so that work may be resumed at the close of Sunday;
- (e.) Doing any work required by a dangerous emergency; or
- (f.) Doing work authorised by an Inspector of Mines.

The many Acts relating to mining are apt to cause confusion, and it is very desirable that an Act be brought in consolidating the Mining Law of the Colony.

PART XI.—GENERAL REMARKS ON THE VARIOUS GOLDFIELDS AND MINING DISTRICTS.

KIMBERLEY GOLDFIELD.

Though the amount of gold reported from this field for the year is much greater than for 1898, yet the total output of 917ozs. is but small. Though this goldfield has been in existence since 1886, and is therefore the oldest of the Western Australian goldfields, there is only one battery at work, and that crushes for only a few months in the year.

At present the field is almost entirely in the hands of fossickers, who work the alluvial only in the wet season, and seek employment on cattle stations in the dry.

The field seems, under present conditions, to offer little inducement to capital, but, in the future, should cheaper labour be available and better means of transit from the coast provided, there is no reason why it should not take a more prominent place among the goldfields of the Colony.

PILBARRA.

Though the Pilbarra Goldfield labours under many disadvantages, chief among which are the difficulties of transport and the intense heat in the summer months, steady progress is being made, and the history of the year 1899 shows that it is a field with a bright future before it.

The district known as the "Forty-Mile" country, lying to the East of Nullagine, has been vigorously prospected; some very promising reefs have been discovered, and the Government propose to offer a bonus for the erection of batteries in the "Twenty-Mile Sandy" and Elsie Creek districts.

By the permission of the Under Secretary for Public Works I have published extracts from a report by the Resident Engineer of the North-West District, which will give a general idea of this part of the field. The wells sunk by the Government have proved of much assistance to prospectors in opening up this locality.

A new find, which has been named "Lallarook," was made about 40 miles West of Marble Bar, near the Shaw River, but few particulars are available as to its value.

Several large nuggets have been found during the year, the two largest being "Clive's," weighing 400ozs., and the "General Gordon," 375ozs.

The gold output for 1899 exceeds that for 1898 by 4,878ozs., an increase of about 34 per cent. on the 1898 yield. Alluvial and dollied gold and specimens account for 3,442ozs. of the increase.

In April, tin was discovered about 10 miles from Marble Bar, and at the close of the year 30 leases, comprising an area of 984 acres, had been applied for. A number of alluvial claims were also being worked, and the discovery is said to be an important one. The amount of tin ore reported to the Department is $57\frac{1}{2}$ tons.

A little prospecting for diamonds appears to have been done in the Nullagine District, but the find mentioned in the last report does not appear to have developed to any extent.

WEST PILBARRA.

Though gold exists in many localities on this field, it is chiefly known on account of its rich deposits of copper ore. Though the gold yield for the year 1899 was nearly six times as great as that for 1898, it only amounts to 1,935ozs., while the output of copper ore reported to the Department is 2,555 tons, valued at £29,478.

The chief reefing centres are Towranna, where 20 head of stamps are erected, and Hong Kong, where a Tremain Mill is working. At Egina and Pilbarra alluvial gold is being obtained, but the number of miners is limited. At Weerianna and the Lower Nicol a few gold-mining leases have been taken up, but little development work has been done.

The principal copper-producing property during 1899 was the 100-acre freehold at Whim Creek, while the Balla Balla, Mons. Cupri, Egina, Evelyn, Croydon, Carlow Castle, Rushall's, and the Stranger Mine, all contributed to the yield.

The Balla Balla Copper Mines, Limited, are making arrangements to erect smelters.

Though the goldfield enjoys a plentiful supply of water, timber is somewhat scarce, and the cost of carting militates against the rapid development of the district. The latter disadvantage is, however, capable of removal, and doubtless when the mineral capabilities of the district become more generally known some means will be found to overcome it.

ASHBURTON GOLDFIELD.

This goldfield, intersected by the Tropic of Capricorn, has so far been worked almost entirely for alluvial. The principal workings are known as Dead Finish, Mt. Mortimer, Soldier's Secret, The Gorge, and Top Camp, and are distant from seven to 45 miles from the Warden's Camp, which is near the Ashburton River, about 220 miles from Onslow, the port of the district.

Though many reefs exist throughout the field, none have been properly tested, as no crushing machinery has been erected on the field, and the only gold obtained from quartz has been dollied from rich leaders. The Acting Warden mentions that from Stewart and Bailey's leader, at Hern's Find, 57ozs. were obtained from 1cwt. of stone.

The reported yield of gold for the year is 1,659ozs., as against 501ozs. for 1898, and consists entirely of dollied and alluvial gold.

The protracted drought has hampered prospecting for several years past, but the splendid rains that have fallen during the early part of 1900 should enable the prospectors to thoroughly examine the country.

GASCOYNE GOLDFIELD.

There is little or no progress to report in connection with this goldfield for the year 1899. There seems little doubt that alluvial deposits and gold-bearing reefs exist which will in the future be well worthy of attention, but the distance of the field from the coast, and the cost of carriage, effectually prevent much attention being turned to it while so many more accessible fields offer better inducement to capital.

A Tremain Mill started crushing during the year, and 235 tons of ore, producing 214ozs., were crushed. This plant was not, however, suitable to the class of rock available for crushing, and it has been shut down.

There are five Gold Mining Leases in existence on the field, but they are not developed to any extent, and are now under exemption.

The Acting Warden, towards the close of the year, was removed, as there was little or no office work to be done, and arrangements have been made for the police constable in the district to act as Mining Registrar, and attend to the small amount of departmental work that there is.

PEAK HILL.

Although this is a somewhat isolated field, and the question of water supply has been a difficult one, the prospects are good, and substantial progress has been made during the year.

The yield of gold for 1899, 31,954ozs., is more than double that for 1898, the increase being nearly 17,000ozs.

A good deal of development work has been done at Ravelstone and Mt. Pleasant, and the almost completed Government battery should prove a boon to the leaseholders in these localities.

At the Horseshoe a large number of leases have been taken over by a powerful English company with a substantial working capital, and it is hoped that during the coming year mining will be carried on in a systematic manner.

But little alluvial mining has been done during the year, and that little has been confined to surface working in the vicinity of Peak Hill. The absence of surface water has no doubt prevented prospectors going further afield.

EAST MURCHISON.

A steady improvement is noticeable in the work of the field during the year. The gold yield amounted to 45,039ozs., an increase of about 21 per cent. on the yield for 1898.

A public crushing plant started operations during the year near Lawlers, the Government assisting the company to obtain water. It has proved of much benefit to the holders of leases in the district.

At Lake Darlôt mining has somewhat declined during the year, and the only battery suspended operations.

At Sir Samuel a considerable amount of machinery has been erected, and this centre promises to largely add to the gold output.

Little work was done at Lake Way during the early part of the year, but some of the leases are now being vigorously worked.

The telegraph is being extended to Lake Way, and will prove a great boon to this, one of the most remote mining centres of the Colony.

Kathleen Valley is coming into prominence, and the fact that a battery is being erected by a syndicate of working miners speaks well for the place.

MURCHISON GOLDFIELD.

Though the progress made by this goldfield is not marked, yet the gold output has not only been maintained but has increased to the extent of 1,293ozs., as compared with the year 1898.

The tonnage of ore treated has decreased, but the average per ton treated has increased from .84ozs. to 1.16ozs.

Public batteries have been erected at Lennonville and Tuckanarra, and have afforded prospectors every opportunity of testing their holdings.

It is proposed to erect a battery at Paynesville, where hitherto the only crushing plant has been a Tremain Mill, said to be unsuitable for the class of ore found in the vicinity. The Paynesville, or East Mount Magnet district, though not extensively developed, is said to have a promising future before it.

In the Day Dawn district the Great Fingall Consolidated Company has sunk a shaft to a depth of 500 feet, and throughout the goldfield other companies are preparing to explore their properties at a depth.

During the year many properties held by companies were either abandoned or let on tribute, and, in some cases, they were worked to advantage by the tributers. The Warden in his report expresses his belief that brighter days are in store for this goldfield, and that the results obtained by deeper sinking and improved methods will lead to increased attention being paid to it in the future.

YALGOO.

The general mining progress on this field for the year under review cannot be considered encouraging.

Though the output for 1899 exceeds that of 1898 by nearly 9,000ozs., this appears to be due rather to the output from a few mines than to the general increase in the number of producing mines.

Several mines in the vicinity of Yalgoo have closed down during the year, but in some of the outside centres such as Gullewa, Youin, Rothsay, and Field's Find, good work is being done and additional machinery erected.

MOUNT MARGARET.

The progress of this most promising goldfield has during the year been most satisfactory. Among the goldfields it ranks sixth on the list as a gold producer, with an output of 79,924ozs., which shows an increase of 61 per cent. on the 1898 yield.

Though there has been, as a rule, little difficulty in procuring ample supplies of water for domestic and mining purposes, yet the field has laboured under many disadvantages, foremost among which are the cost of carriage from the railway terminus, and the absence of abundance of mining timber. The construction of the railway to Leonora, which has been authorised, will greatly reduce the cost of transport, and will enable the mines to obtain from the coast the timber which is essential for their proper working. After the construction of the railway, it should be possible to work at a profit many low-grade mines which at present cannot be made to pay.

In many of the mining centres vigorous development work has been carried out with satisfactory results, and, despite the cost of carriage, the number of stamps has increased from 153 in 1898 to 299 in 1899, and elaborate cyanide plants have been erected on several of the mines. The public battery at Leonora, which started crushing in January, though not altogether a financial success, has proved of undoubted benefit to the prospectors of the district. During the year it has crushed 1,606 tons, for an average of 14dwts. 20grs., and has proved the worth of many of the leases in the vicinity of Leonora.

A new centre has sprung up during the year at Mertondale, so named because of the accidental discovery in March, by E. Merton, of a rich surface show, from which 996 tons yielded 3,307ozs., which was the output to the end of the year.

COPPER.—Some prospecting on a copper deposit had been done during 1898 on the mineral leases known as "Lambie's," near Murrin Murrin, and during 1899 a further discovery of this mineral was made near the Princess Alix Gold Mine. A water-jacket furnace was erected at Lambie's, and has been worked with considerable success, considering the difficulty and cost of obtaining suitable fuel. The value of the output to the end of the year was £4,338.

There is every reason to suppose that, great as has been the advance throughout this goldfield during the past year, it will be surpassed by the progress during the coming year.

NORTH COOLGARDIE.

That satisfactory progress has been made in this field during the year is evidenced by the substantial increase in the output of gold over the previous year. The output in 1898 was 72,879ozs.; and that for 1899 is 116,968ozs., showing an increase of nearly 61 per cent. over the previous year. The difference in the proportional increase in the various districts is marked. During 1899, for every 100ozs. of gold produced in 1898, the Menzies district produced 114·8ozs.; the Ullaring district, 345·5ozs.; the Niagara district, 171·8ozs.; and the Yerilla district, 110·3ozs. The crushing facilities afforded by the Government batteries at Mulline and Mt. Ida are perhaps the main causes of

the activity in the Ullaring district. Near Mulline there is not a public company working a reef, the leases being, as a rule, held by prospectors who are getting good returns from reefs which are, perhaps, too small to be worked to advantage by a company.

A good many leases are being worked in the Mt. Higgins district, lying about 15 miles Southerly from Mulline, and the future prospects of the locality are said to be bright.

In the Niagara district the energetic working of the leases held by the Cosmopolitan and Cumberland Companies has been a large factor in the increased output, and in the neighbourhood of these mines the Kookynie township has been formed; the population being from 500 to 600.

On the mines within a few miles of Yerilla little work is being done. The Government battery, started during the year, has had to be closed down, stone not being forthcoming to keep it going. The reefs proved as a rule low grade, and were not worked on a sufficiently large scale to ensure payable returns.

A promising centre is being developed at The Granites, about five miles Westerly of Pendinnie Post Office, and the coming year should see the value of some of the leases proved.

There have been no sensational developments in the mines near Linden, but that steady progress is being made is shown by the fact that the mines in this locality have produced about 3,300ozs. more than in 1898.

At Edjudina, the most Easterly mining centre in this goldfield, a slight revival has taken place. A 5-head battery has been giving good results, and this line of reef, which has had little attention paid to it for several years, promises, with increased crushing facilities, to support a good many parties of working miners.

In the mines grouped round the Ida township a marked improvement has taken place during the year. Whereas in 1898 the total output from all sources is set down as about 30ozs., during 1899 7,360ozs. have been produced, a number of mines having reached the production stage. This is largely owing to the crushing facilities afforded by the Government battery which started crushing during the year. The operations of this battery were for some time hampered by several causes, notably by the scarcity of water. Since a good supply has been arranged for, its career promises to be a successful one.

BROAD ARROW.

The feature of the year on this field was the discovery of a deep lead near Paddington, which gave employment to a large number of men and produced a large amount of gold. The lead was practically worked out during the year, but the search for alluvial disclosed the existence of quartz reefs, which are being worked by the holders of quartz claims and leases. Alluvial was also discovered near Black Flag.

The yield of gold shows an increase of 20,468ozs., or about 74 per cent. on that for 1898, and as additional batteries and cyanide plants have been erected during the year, the yield for 1899 should be surpassed in 1900.

Several Mineral Leases for copper were taken up during the year, and the work of development is being vigorously carried on.

NORTH-EAST COOLGARDIE GOLDFIELD.

The gold output from this field, which during 1898 showed such a large increase over the previous year, has, I regret to say, fallen off during the year 1899, the output being 112,825ozs., showing a decrease of nearly 34 per cent. on the 1898 yield.

This is accounted for by the partial exhaustion of the alluvial deposits which were so productive in the previous year, but it is satisfactory to note that, in the search

for alluvial, indications of gold-bearing lodes have been observed, and it is hoped that the development of these, and the numerous quartz reefs which exist in the district, and which were, to a great extent, neglected on the discovery of alluvial, will once more bring this goldfield to the front.

Throughout this extensive field alluvial workings exist, notably at Taurus, Hogan's Find, and Mulgabbie, and an interesting list, giving the weight of some of the nuggets found, is attached to the Warden's report. The large areas imperfectly prospected throughout this goldfield afford a splendid field for the prospector, and though the population shows a considerable decrease as compared with the previous year, yet more attention will doubtless be turned to the possibilities of this large area.

EAST COOLGARDIE.

Great as has been the advance in the other goldfields during the year, their progress is quite overshadowed by that of the East Coolgardie field, a field which is, with one exception, the least extensive of the Western Australian goldfields.

Its output of 855,405ozs. for 1899 is more than double that for 1898. It is responsible for more than half the output of the Colony for the year, and this field alone has provided, during 1899, more gold than any Australian colony except Queensland, whose output exceeds that of this goldfield by 91,489ozs.

The average per ton of ore treated is 1·83ozs. as against 1·59ozs. for 1898.

When, in addition to the above facts, the dividends paid during 1899, amounting to nearly £1,782,468, are considered, the importance of East Coolgardie as a goldfield is apparent.

The value of mining plant for 1899 is put down as £566,426, against £341,714 for 1898, and certainly in no mining centre in Australia can such a collection of up-to-date machinery be seen.

The most important mines are being proved in the deeper levels, the deepest shaft on the belt being one in the Great Boulder Mine, between 1,000 and 1,100 feet deep, the lode having maintained a satisfactory size and value at that depth.

So far the bulk of the ore treated has been taken from the oxidised zone, but though there are still large supplies of this class of ore in sight, the time is approaching when this field will have to depend on its sulphide ores. Various processes for the treatment of this class of ore have been tried with more or less success, but it cannot be said that a treatment combining a high extraction with cheapness has yet been discovered. That such a treatment will be discovered there is no doubt, and on its discovery depends, in a great measure, the future of this field.

It is estimated that there are 35,000 persons on this field, and, though the municipalities of Kalgoorlie and Boulder are thickly populated, there are thousands of persons residing on the Mining Leases who have no fixed tenure of the ground they occupy. All the Crown land in close proximity to the principal mines has been let by the Government on perpetual residential lease, the annual rental for a quarter-acre lot being Ten shillings, but it has been impossible to keep pace with the demand for these lots owing to the difficulty of obtaining land in suitable positions. Every year, however, leases on the extreme edge of the belt, which have been prospected with unsatisfactory results, are being abandoned, and the sub-division of these for residence purposes should meet, to a great extent, the demand for residence sites.

COOLGARDIE.

The prospects of this field at the beginning of the year were not encouraging, but it is satisfactory to note that the close of the year shows that a general advance in

prosperity has taken place. The gold yield shows an increase of 31,584ozs. ; or nearly 32 per cent. on that of 1898, and it is a pleasing feature that many of the properties are in the hands of working miners.

As compared with many of our goldfields it is a low-grade field, the general average being .79oz. per ton of ore crushed. Several mines are, however, paying on a much lower average, and with economical management and a better supply of water, the field should be a highly productive one.

The Western Australian International Exhibition was opened in Coolgardie in March and closed in July. The various industries of the Colony were well represented, but the mineral collection was the feature of the Exhibition, and enabled visitors to form some idea of the vast mineral resources of the Colony. This collection formed the nucleus of that sent to the Paris Exhibition.

YILGARN GOLDFIELD.

The gold output of this field for 1898 showed a decrease as compared with that of 1897, but the output of 16,372ozs. for 1899 shows a satisfactory increase of 39 per cent. on the 1898 output. The average per ton of ore crushed is .49oz., against .42oz. for the previous year.

In the immediate neighbourhood of Southern Cross the outlook has much improved. The Fraser's South Extended, which crushed but little ore during 1898, has during this year produced 1,824ozs. from 1,590 tons, and developments on other mines on this line are satisfactory.

At Hope's Hill great activity has prevailed. A new 40-head battery has been erected, and a bright future is predicted for this mine. Some Business and Residence Areas have been surveyed and occupied in the vicinity of the mine.

In the neighbourhood of Blackbourne's and Greenmount, developments have been satisfactory. At Parker's Range, distant about 33 miles in a South-Easterly direction from Southern Cross, a battery has been at work during the year, and increased signs of activity are apparent. Mining is being carried on at Mt. Jackson, about 70 miles in a Northerly direction from Southern Cross, with success, and this centre, which has gone through periods of severe depression, shows signs of increased prosperity. Cyanide plants have been at work during the year throughout the goldfield, and generally the Warden speaks hopefully of its future prospects. It may be that the attention of prospectors, diverted from this field by the phenomenal discoveries on the Coolgardie Goldfields, will be again directed towards it, and that many valuable discoveries will be the result.

DUNDAS GOLDFIELD.

Though there has been a decrease in the population of this goldfield during the year under review, the gold output of 44,213ozs. shows an increase of over 20 per cent. on the 1898 output, and though the average per ton of ore crushed has been less during 1899, the number of tons crushed is almost double that of the previous year.

Little alluvial mining has been done during the year, the average number of men employed being about 40; though no exact return can be given, it is supposed that good wages have been made by those so employed.

A great drawback to this goldfield is its isolation and distance from the railway, the nearest railway station to Norseman being Coolgardie, 110 miles away. Once connected by railway, Norseman mining costs should be considerably reduced, and it should be possible to profitably mine the many low-grade reefs which have been proved to exist. In writing of this field the Government Geologist remarks: "It does not appear that the Dundas Goldfield will attain any prominence as an alluvial field, although as a reefing field its structural features are highly favourable."

DONNYBROOK GOLDFIELD.

The principal workings in this field are situated about two miles South of the Donnybrook railway station, which is distant about 140 miles from Perth. This, the only proclaimed goldfield in the South-Western District, is plentifully supplied with timber and water, has a pleasant climate, and with these advantages mining costs, as compared with other goldfields in the Colony, will be low.

The first leases were applied for in December, 1898, some on Crown land and some on private property, and at the close of 1899, gold mining leases to the extent of 1,475 acres were applied for on Crown lands, and 1,237 acres on private property. The majority of this land was taken up subsequent to July.

The fact of much of the surface of the country being covered with conglomerate renders prospecting somewhat difficult, but the reefs that have been successfully located have given satisfactory returns. In 1898 only 15ozs. of gold were reported to this Department, but during 1899, 511ozs. were produced from the few claims having ore crushed. At present no well-equipped crushing plant exists on the field, and the erection of a plant capable of treating low-grade ores in large quantities would materially tend to the progress of mining.

COLLIE COALFIELD.

During this year this coalfield may be said to have entered on its career as a coal producer. Until the completion, in 1898, of the line joining the Collie with the Perth-Bunbury Railway, there was no inducement for developing its coal deposits. On the leasing of the colliery, opened up by the Government, to Mr. H. M. Deakin, vigorous work was started, and from this source alone 49,427 tons have been produced during the year. The only other producing colliery is the Proprietary, which, though only turning out 4,909 tons during the year, is being vigorously developed, and should be a large producer during the coming year. Royalty to the amount of £999 5s. 1d. was received by the Department on account of coal raised during the year.

Several other companies are testing their leases with satisfactory results by means of bores, and should commence to raise coal in the near future. During 1899, 26,350 tons of Collie coal was supplied to the Railway Department, and though the coal now being produced is not equal to Newcastle coal, yet very fair results are obtained from it, and a considerable saving is effected by its use. Though the Railway rates for the carriage of Collie coal, $\frac{1}{2}$ d. per ton per mile, are low, the distance by rail from the Eastern Goldfields considerably adds to the cost at the pit's mouth, and prevents it from being very extensively used on the fields. No doubt, as the supply of firewood on the goldfields becomes more limited, and when the opening out of the various collieries enables coal to be produced at a cheaper rate, a good market will be found for it on the goldfields.

GREENBUSHES MINING DISTRICT.

At the close of 1898 there were few signs of the activity that has prevailed in this district during 1899. The rise in the price of tin has caused an almost deserted tinfield to be vigorously worked, and the output of tin ore has increased from 68 $\frac{1}{2}$ tons in 1898 to 278 $\frac{1}{2}$ tons in 1899. While no leases were in force at the close of 1898, 99 leases, comprising an area of nearly 2,000 acres, were applied for at the end of 1899, and the 21 registered claims in force at the end of the former year increased to 303 at the end of the latter. The tables attached to the Registrar's Report show clearly the strides made by this district during the year.

A new township has sprung into existence, and is known as Greenbushes, the original townsite at the railway station being called North Greenbushes.

Owing, no doubt, to a great extent, to the inexperience of many of those engaged in mining on this field, the output of tin for the year is not as large as might have been expected, and the Registrar points out in his report that capital is badly needed for the development of the district, capital spent under the direction of men experienced in tin mining.

NORTHAMPTON AND YANDENOOKA DISTRICTS.

There is little progress to report in connection with these districts. At Yandeenooka, though the area under Mineral Lease has increased, yet the mining done has been of a desultory nature.

At Northampton, many of the mines worked now and in the past are situated on private property, and but little information is available as to development. It is to be regretted that, though there has been more copper produced during 1899 than for a good many years past, more genuine progress cannot be reported either on the private mines or on the mines situated on land leased from the Crown. To the end of the year 1899 copper to the value of £147,944 has been produced, and lead to the value of £364,514, and there seems little doubt but that the mines in this district will in the future be successfully developed.

The Government Geologist, writing after an examination made several years ago, remarks:—

“Over the whole of the Northampton District there is not a mine which has been sunk to any great depth, and operations ceased when the lodes showed signs of cutting out. . . . The lodes will continue downwards as far as ever operations are likely to be carried. The method of the formation of fractures and the movement of either of the walls have the effect of producing alterations in the nature of the fissures by forming wide or narrow portions, which have been subsequently filled with ore. There must always be local variations in the metallic contents of ore bodies, but there is no scientific reason for believing that the mines of this district have reached the limits of ore deposition, and that the ore bodies will not prove equally productive when followed either horizontally or vertically . . . Judicious prospecting should result in the discovery of other lodes equally productive to those already exploited.”

PHILLIPS RIVER MINING DISTRICT.

Though desultory prospecting has been carried on for some years along the South Coast, it was not until the middle of 1899 that steps were taken to test any of the deposits which had been reported to exist. In July, a Mining District was proclaimed, and five leases, comprising an area of 750 acres, were applied for for copper mining; at the end of the year, in all, 16 Mineral Leases had been applied for, containing 1,530 acres, and two Gold Mining Leases, containing 42 acres.

The mineral-bearing country is situated on the South side of the Ravensthorpe Ranges and lies about 28 miles North-North-West from Mary Ann Cove, a small harbour with good shelter and holding ground for small boats. Esperance is distant about 130 miles, and Albany about 180 miles.

Much requires to be done to prove the worth of this district, and the disadvantages that present themselves are the absence of a plentiful supply of fresh water on the field, and the scrubby nature of the country. On the other hand the short distance from the coast, the temperate climate, fair rainfall (said to be not less than 12 inches), the good mining timber, and the abundance of brackish water, render it probable that a considerable amount of attention will be turned to this district in the near future.

At the end of the year about 70 men were engaged in mining pursuits in the district.

Lands not in Proclaimed Goldfields or Mining Districts:—

TABLE 20.
Prospecting Areas applied for.

District.	1899.	1898.	No. in force, 31/12/99.	No. in force, 31/12/98.
Clackline	2 for gold ...	6	16
Irwin ...	...	1 for gold ...	
Denmark ...	...	1 for gold ...	
Albany ...	1 for gold ...	1 for gold ...		
Mullewa ...	...	1 for copper ...	
Woongan ...	1 for gold ...	12 for copper ...		
Blue Gum Creek	...	1 for gold ...		
Chidlow's Well ...	1 for ironstone ...	...	
Upper Capel ...	3 for gold ...	...	
Murray ...	1 for tin ...	...	

TABLE 21.

Leases applied for outside Proclaimed Goldfields or Mining Districts during 1899.

Red Hill ...	(Mineral)	3	Total area, 90 acres	For copper
Cane River ...	"	5	" 500 "	"
West Kimberley ...	"	1	" 150 "	"
Williams River ...	(Gold)	1	" 24 "	For gold

Tables 20 and 21 show the holdings applied for on Crown land outside goldfields and mining districts. But little information is available as to the mining that is being carried on in the localities mentioned.

In Kimberley two discoveries of copper were reported in November, 1899, one 33 miles and another 90 miles distant from Derby. A lease was applied for, but, so far, no details of work done have been received.

Promising deposits of copper ore are reported at Red Hill and the Cane River to the North of the Ashburton River, but the remoteness of the locality must of necessity retard the development of these properties.

PART XII.—DEPARTMENTAL.

TABLE 22.

Return showing Revenue and Expenditure during the Years 1898 and 1899.

Goldfield.	Revenue, 1898.	Percent- age of gross Revenue.	Revenue, 1899.	Percent- age of gross Revenue.	Expenditure, 1898.	Percent- age of gross Ex- penditure.	Expenditure, 1899.	Percent- age of gross Ex- penditure.
	£ s. d.		£ s. d.		£ s. d.		£ s. d.	
Ashburton ...	69 10 0	·09	46 14 6	·04	1,444 5 8	1·8	469 9 2	·64
Broad Arrow ...	4,268 4 0	5·5	3,015 13 6	3·2	2,636 10 6	3·3	2,012 8 3	2·85
Coolgardie ...	9,763 15 8	12·3	8,360 1 10	8·8	7,788 14 3	9·8	5,312 15 2	7·6
East Coolgardie ...	14,966 6 9	18·9	12,997 6 9	13·7	3,766 19 7	4·7	3,902 3 10	5·5
North Coolgardie ...	8,918 9 3	11·2	14,166 15 9	14·8	4,404 9 8	5·5	3,264 7 11	4·6
N.E. Coolgardie ...	8,249 8 7	10·4	8,469 5 10	9·0	2,715 7 1	3·4	2,144 2 7	3·0
Dundas ...	3,498 14 3	4·4	4,403 7 9	4·6	2,722 8 11	3·4	1,636 16 0	2·3
Gascoyne ...	176 2 6	·2	100 7 0	·1	244 18 0	·3	242 3 6	·35
Kimberley ...	71 1 0	·09	60 2 8	·06	738 2 0	·91	68 3 0	·09
Mt. Margaret ...	8,090 3 0	10·3	14,423 11 3	15·2	2,101 2 7	2·7	2,126 6 5	3·0
Murchison ...	7,093 3 8	8·9	8,788 13 0	9·3	6,098 11 2	7·7	4,447 15 8	6·3
East Murchison ...	2,800 6 6	3·6	2,867 17 9	3·0	1,611 12 3	2·0	1,233 3 11	1·7
Peak Hill ...	1,815 7 0	2·2	2,429 13 0	2·5	813 11 6	1·0	819 15 1	1·2
Pilbarra ...	2,456 0 6	3·0	1,958 7 9	2·6	3,213 2 9	4·03	1,690 4 9	2·4
Pilbarra, West ...	632 19 3	·8	672 2 11	·7	386 7 10	·4	103 16 0	·14
Yalgoo ...	1,316 14 0	1·66	1,677 14 9	1·7	1,200 2 7	1·51	955 16 10	1·4
Yilgarn ...	1,151 19 0	1·4	1,198 4 6	1·2	658 9 2	·8	666 9 3	·95
Collie ...	846 14 0	1·1	1,704 16 0	1·8	397 19 2	·5	306 12 0	·43
Northampton ...	443 12 3	·6	252 8 3	·2	192 3 1	·25	176 7 3	·25
Greenbushes ...	29 12 6	·04	2,254 16 6	2·4	7 10 0	...	495 19 11	·75
Donnybrook ...	12 0 0	·02	1,652 4 0	1·7	...	...	108 7 0	·15
Head Office ...	2,622 4 2	3·3	3,713 8 2	3·9	36,466 19 5	46·0	38,327 4 2	54·4
Total ...	79,292 7 10	100	95,213 13 5	100	79,609 7 2	100	70,510 7 8	100

Table 22 gives the Revenue and Expenditure for each goldfield and mining district for the years 1898 and 1899, and the percentage of Revenue and Expenditure for each field and the Head Office.

It will be seen that in 1898 East Coolgardie provided 18·9 per cent. of the gross revenue, followed by Coolgardie with 12·3 per cent., North Coolgardie with 11·2, North-East Coolgardie 10·4, and Mt. Margaret with 10·2, while in 1899 Mt. Margaret heads the list with 15·2 per cent., followed by North Coolgardie with 14·8, and by East Coolgardie with 13·7. The gross revenue for 1899 exceeds that for 1898 by nearly £16,000, an increase of about 20 per cent. The expenditure during 1899 was less than that in 1898 by £9,099, being a reduction of about 11½ per cent.

It will be noticed that the Coolgardie and Murchison Goldfields show a higher percentage of expenditure as compared with the other goldfields. This is partly accounted for by the fact of Coolgardie and Cue being the headquarters of the Survey Staffs for the Eastern and Central Goldfields, and, strictly, their up-keep should be distributed among the various goldfields in the Eastern and Central Divisions.

It also appears that the revenue received at Head Office is very small, and the expenditure unduly large. Large sums are paid at Head Office for rents, etc., on leases, which have, in making out the table, been credited to the fields in which the leases are situated. In commenting on the large percentage of expenditure charged to the Head Office, I may remark that the Head Office is the final office for record for all transactions relating to Mining Leases in the Colony. All plans and instruments of lease are prepared there, and nearly all the survey work checked. In addition to this a large proportion of the expenditure of the administration of the Public Batteries and Steam Boilers Branches is charged to Head Office expenses.

TABLE 23.

Showing the number of Registrars' Offices, also the number of Officers employed on the Goldfields.

Goldfield.	No. of Registrars' Offices.		No. of Mining Registrars.		No. of Clerks.		No. of Inspectors of Mines.		Survey Staff.	
	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.
Ashburton	1	1	1	1	...	...	...	...	...	...
Broad Arrow	1	1	3	2	1	1	1	1	1	1
Coolgardie	2	1	3	3	4	2	1	1	8	6
East Coolgardie	1	1	2	2	3	3	1	1	1	1
North Coolgardie	3	3	4	3	2	3	1	1	2	1
North-East Coolgardie	3	2	3	3	2	1	...	1	1	1
Dundas	1	1	2	2	...	...	1	1	1	1
Gascoyne	1	1	1	1	...	...	...	...	...	...
Kimberley	1	1	1	1	...	...	...	...	...	...
Mount Margaret	2	2	2	2	1	2	...	...	2	1
Murchison	4	3	6	5	...	...	...	...	...	...
East Murchison	1	1	2	1	...	...	...	...	...	...
Peak Hill	1	1	1	1	...	...	...	...	...	...
Pilbarra	4	4	4	4	1	...	1	...	1	1
West Pilbarra	2	1	2	1	...	...	...	...	...	...
Yalgoo	1	1	1	1	...	...	...	...	...	...
Yilgarn	1	1	1	1	...	...	...	...	...	...
Collie	1	1	1	1	1	...	...	1	...	...
Northampton	1	1	1	1	...	...	...	...	...	...
Greenbushes ... ..	...	1	...	2	...	2	...	...	...	...
Donnybrook ... ..	...	1	...	1	...	...	...	...	...	...
Phillips River ... ..	...	1	...	1	...	...	...	...	...	...
Totals	32	31	41	40	15	14	6	7	17	13

Temporary officers, employed for only two or three months, not shown.

It will be seen by the above table (No. 23) that three new offices have been opened and four closed on the goldfields during the year, there thus being one office less than in 1898, while there has been a decrease of five in the number of officers. Three or four years ago the work of the goldfields offices was very heavy, and as the department was practically a new one the officers had but little training in their work, and it cannot be wondered at that some confusion occasionally arose. Now that the work is becoming more regular, and the officers more proficient, every year should see an improvement in the conduct of business in the goldfields offices.

There are fourteen Wardens, and four Acting Wardens stationed on the various goldfields, and four Registrars in mining districts. The latter officers have similar power within mining districts to that exercised by Wardens on goldfields.

TABLE 24.

Return showing number of Officers employed at Head Office.

Branch.	1898.	1899.
Clerical	Chief Clerk, 14 Clerks, 2 Messengers	Chief Clerk, 12 Clerks, 3 Messengers.
Accountants	Chief Accountant, 4 Clerks	Chief Accountant, 3 Clerks.
Registration	Inspecting Registrar, Registrar, 7 Clerks	Inspecting Registrar, Registrar, 5 Clerks.
Survey	Assistant Inspecting Surveyor, 3 Computers and Draftsmen	Assistant Inspecting Surveyor, 4 Computers and Draftsmen.
Drafting	Chief Draftsman, 7 Draftsmen	Chief Draftsman, 7 Draftsmen.
Statistical	Statist, 2 Clerks	Statist, 3 Clerks.
Public Batteries	Superintendent, 1 Clerk	Superintendent, 2 Clerks.
Steam Boilers	Chief Inspector	Chief Inspector, 2 Clerks, 3 Assistant Inspectors.

Table 24 shows the distribution of the staff in the Head Office, and it will be seen that there would have been a slight reduction this year, except for the Steam Boilers' Branch, which may be said to have begun its work during the year.

One of our officers, M. Collett, went with the first Western Australian Contingent to South Africa, and two others, Messrs. Barlee and Cramond, followed with the Mounted Infantry force.

It is with much pleasure that I call your attention to those portions of the Wardens' reports referring to the able and willing assistance afforded them by their officers. It also affords me great pleasure to record my appreciation of the way in which the officers in the Head Office have worked during the year, and my thanks are especially due to the heads of branches for the assistance rendered me since I took charge of the office in July last.

SURVEYS.—It will be seen from the reports of the Inspecting Surveyor, Central Goldfields; the Field Surveyor, Eastern Goldfields; and the Assistant Inspecting Surveyor, that 1,768 Mining Surveys, comprising 25,294 acres, have been made during the year, and 50½ miles of traverse surveys.

The Inspecting Surveyor, Central Goldfields, has acted for both the Mines and Lands Departments in his district, and in addition to inspection surveys has made a number of lease and other surveys.

On the Eastern Goldfields, in addition to reporting for the Mines and Lands Departments on the various survey matters, Mr. Field-Surveyor Ellis has made lease and other surveys for which £792 12s. 4d. would have been paid at schedule rates.

DRAFTING BRANCH.—The report on the work of this branch shows that though the staff has been somewhat reduced, more work has been performed.

REGISTRATION BRANCH.—The two following tables supplied by the Registrar, Head Office, show that there has been an increase in the number of dealings registered and the number of documents issued from the Head Office during the year.

TABLE 25.
List of Principal Dealings Registered at Head Office during 1898 and 1899.

Dealing.	No.	1899.			No.	1898.		
		Stamp Duty.				Stamp Duty.		
		£	s.	d.		£	s.	d.
Transfer of G.M. Leases	1,582	5,000	17	3	1,672	9,366	13	10
Do. Mineral Leases	176	1,118	17	9	4	0	7	0
Liens affecting G.M. Leases	86	19	8	9	106	54	10	0
Do. Mineral Leases	4	0	17	6	...	...	...	...
Caveats affecting G.M. Leases	318	...	...	...	241	...	...	...
Powers of Attorney	328	...	...	...	503	...	...	...

Table 25 shows the number of dealings affecting leases registered in the years 1898 and 1899. Though the number of Transfers of Leases lodged in 1899 exceeds that for 1898 it will be noticed that the Stamp Duty paid is less. More moderate prices are being paid for mining properties than formerly, and many of the transfers are in favour of reconstructed companies, the duty paid in the latter cases being small.

TABLE 26.
Return of Lease Instruments and other Documents issued from the Registration Branch of Head Office during 1898-9.

	1899.	1898.
Instruments for G.M. Leases prepared	205	876 ... 850
Counterparts	557	
Instruments for Mineral Leases prepared	57	245 ... 366
Counterparts	57	
Instruments for G.M. Leases issued	222	3
Do. Mineral Leases issued	23	
Gold Dealers' Licenses	53	2
Certificates of Amalgamation	125	16
Applications for deceased persons' interests	15	46
Mining Licenses	203	240
Miners' Rights	286	2
Business Licenses	2	...

From the above table it will be seen that more documents were issued from the office during 1899 than in the previous year. It will be noticed that the provision for amalgamation of leases has been taken advantage of to a great extent. The increase in the number of Mining Licenses and Miners' Rights issued may be accounted for, to some extent, by the activity at Greenbushes and Donnybrook.

ACCOUNTANT'S BRANCH.

The work of this branch has been placed on a very satisfactory footing by the Chief Accountant, Mr. G. Emery, who joined the department in August last. A simple and effective system of accounts has been instituted, and much unnecessary work avoided.

CLERICAL.

There has been a slight increase in the general work of this branch during the year, and the number of letters despatched (other than circulars, forms, etc.) is 1,500 in excess of the number despatched in 1898.

OFFICE ACCOMMODATION.

While dealing with departmental matters, I would bring under your notice the necessity for the provision of more commodious and convenient offices for the Department in Perth. The present offices are badly lighted, badly ventilated, and inconvenient. They are already overcrowded, and under these conditions officers are much hampered in the performance of their duties. I would respectfully urge that an effort be made to provide suitable office accommodation as soon as possible.

In conclusion, I must express my regret that this Report has been issued much later than desirable, and I hope in the future to arrange for its earlier appearance. This year the tabulation of statistics has taken somewhat longer than anticipated and could not be completed owing to the unavoidable delay in obtaining certain necessary information.

I must express my thanks to the Statist and Inspecting Registrar for their care in preparation of tables, and to the Chief Clerk and several other officers who have assisted in revising the proofs.

I have the honour to be,

Sir,

Your obedient servant,

H. S. KING,

Under Secretary for Mines.

Department of Mines, Perth, 12th July, 1900.

*Warden's Report on the Coolgardie Goldfield for the year 1899.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour to submit, for the information of the Hon. the Minister of Mines, my Report on this Goldfield for the year ended 31st December, 1899.

During the early part of the year the Goldfield was greatly affected by the general existing depression, and there was every appearance of a continued depression. I am, however, glad to state that as the year progressed matters improved, and, slowly and steadily, but unmistakably, the improvement continued throughout the year.

During the year, the Exhibition was opened at Coolgardie. It was fairly well patronised, the chief attractions being the mineral and timber courts.

The mineral exhibits were so magnificent that all persons who attended the Exhibition must have been convinced of the enormous mineral wealth of Western Australia.

THE MINES.

Coolgardie Goldfield is, as you are aware, divided into two Districts—Coolgardie and Kunanalling—each district having several "mining centres."

In the Coolgardie District the "mining centres" are—Coolgardie, Bonnievale, Burbanks, Bulla Bulling, Gibraltar, Gnarlbine, Londonderry, Widgiemooltha, and Red Hill.

Coolgardie being the largest centre of population, I will first deal with the mines in its locality.

Bayley's United Gold Mines, Limited, has always retained its position as the principal mine in this centre, and during the year a large amount of development was done, while continuous crushing of ore was kept up, resulting in a yield of upwards of an ounce per ton of ore.

The Lady Loch Gold Mines, Limited, is a steady producer, with an average yield of nearly an ounce per ton, having crushed during the year 5,051 tons for 4,364 ounces of gold.

The Lady Charlotte Gold Mines, Limited, have a good low-grade property, and steady returns have distinguished the year's work.

Many other properties, viz., Cosgrove's, King Solomon, Bayley Consols, Golden Queen, Golden Bar, Flagstaff, Sherlaw's, etc., etc., have been working steadily, and I have no doubt, when an abundance of fresh water is available, they will reward the confidence their various owners have placed in them.

Burbanks.—The principal mine in this centre is that held by the Burbanks Birthday Gift Gold Mines, Ltd. This mine has been kept continuously working and has regularly produced considerable gold yields. There is no doubt that the continued success of this mine has done much to keep up confidence in this portion of the goldfield.

Many other mines in this centre are still in the development stage only, the difficulties in this portion of the district being very hard country and very little water. There is no doubt that in time these difficulties will be overcome by capital, and that the result will be a large number of payable mines.

Bonnievale.—Matters in this centre have been rather quiet during the year, owing to the low-grade ore met with. The chief mines have done an amount of good work, and towards the end of the year were obtaining somewhat better results.

Londonderry.—As with Bonnievale so with this centre. At one time it was almost deserted. However, in its immediate vicinity, some quartz claims and leases have been taken up, and I hear fair results have been obtained.

Gnarlbine, Gibraltar, Bulla Bulling, Red Hill, and Widgiemooltha.—I am taking these centres together, as, although some of them are long distances from each other, all suffer from the same want of crushing facilities.

The amount of work done at Gibraltar, Gnarlbine, and Bulla Bulling does not warrant the erection of a Public Battery. Although some of the mines have obtained good results, the quantity of ore treated has been small.

The Red Hill District has for some time been suffering from want of fresh water. The Red Hill Gold Syndicate have been working steadily. Most of the other leaseholders have either obtained exemption or left their leases.

Widgiemooltha, at one time practically abandoned, is again coming to the front, and apparently with every hope of becoming an important centre.

KUNANALLING DISTRICT.

This District, which covers the Northern portion of the Coolgardie Goldfield, has eight "mining centres"—Balgarrri, Carnage, Cashman's, Carbine, Dunnsville, Kintore, Siberia, and the "25-Mile."

25-Mile.—The chief mine in this district is the mine held by the Premier Gold Mining Company. This mine, taken up in 1895, has steadily increased its area. It is now running 25 head of stamps. During the past year on this mine *12,172 tons of ore have been treated, and have yielded 7,330 ounces of gold. Several other mines are being worked.

Balgarrri, Carnage, Cashman's, Carbine, Dunnsville, Kintore.—These centres have several mines which will in time probably pay. Some have had small crushings, which have been satisfactory; but as a rule most of these mines are not yet much developed.

NOTE BY STATIST.—The December crushing (1,082 tons, for 800 ozs.) was not reported in time to be included in the Mining Statistics of 1899.

Siberia.—This centre, in early days of the goldfield, supplied a large quantity of alluvial gold, and yet gives employment to a number of alluvial miners. There are a considerable number of leases also being worked, with fair results.

With regard to what are now called here low-grade ores, I would like to give figures from twelve months' working of the mine held by the Lady Charlotte Gold Mines, Limited, and situated close to Coolgardie.

On this mine, in twelve months—from April, 1899, to March, 1900, both months inclusive—7,531 tons of ore were crushed, for a yield of 5,089ozs. 3dwts. 10grs., giving an average of 13dwts. 12³/₄grs. of gold per ton of ore. In addition to the usual cost on mines of breaking, raising, and crushing (including fuel), this mine had to pay £1,088 13s. 3d. for salt water and £179 4s. for fresh. Yet, even with these expenses, unusual in other countries, on the gold return of 13dwts. 12grs. per ton, a profit of 11s. 8d. (eleven shillings and eightpence) per ton was made.

I quote this case—and there are other similar cases on the goldfields—to show that the mine, once opened, with a sufficient supply of water on the mine or with a cheap supply, what are now called low-grade ores could be made to pay.

In conclusion, I may state that I have great faith in the future of the Coolgardie Goldfield, and that it will yet reward those investing capital.

I attach hereto the usual statistics of work transacted in the office during the year.

I much regret that this report has been somewhat delayed, but trust no serious inconvenience has been caused.

I have, etc.,

JOHN M. FINNERTY,
Warden.

COOLGARDIE DISTRICT.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	103	102
Area of Gold Mining Leases applied for, in acres	1,147	1,061
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	14	16
Number of Gold Mining Leases refused	4	<i>Nil.</i>
Number of Gold Mining Leases in force	299	272
Area of Gold Mining Leases in force, in acres	3,860	3,427
Number of Water Rights in force	26	30
Area of Water Rights in force, in acres	186	212
Number of Quartz Claims in force	33	37
Number of Alluvial Claims in force		
Number of Protection Areas in force	10	12
Number of Residence Areas in force... ..	58	67
Number of Business Areas in force	44	53
Number of Machine Area in force	8	12
Number of Tailings Areas in force	3	11
Number of Garden Areas in force	3	5
Number of Miners' Rights issued during	1,629	838
Number of Business Licenses issued during	15	12

KUNANALLING DISTRICT.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	46	63
Area of Gold Mining Leases applied for, in acres	421	648
Number of Gold Mining Leases abandoned, surrendered or forfeited ...	27	5
Number of Gold Mining Leases refused	<i>Nil.</i>	3
Number of Gold Mining Leases in force	136	122
Area of Gold Mining Leases in force, in acres	1,799	1,583
Number of Water Rights in force	37	40
Area of Water Rights in force, in acres	100	118
Number of Quartz Claims in force	5	7
Number of Alluvial Claims in force		
Number of Protection Areas in force	11	11
Number of Residence Areas in force	1	1
Number of Business Areas in force	68	73
Number of Machine Areas in force	5	5
Number of Tailings Areas in force	1	1
Number of Garden Areas in force		
Number of Miners' Rights issued during		
Number of Business Licenses issued during		

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	1	2
Area of Mineral Leases applied for, in acres	35	22
Number of Mineral Leases abandoned, surrendered or forfeited	1	1
Number of Mineral Leases refused	Nil	Nil
Number of Mineral Leases in force	21	5
Area of Mineral Leases in force, in acres	259	45
Number of Water Rights in force	Nil	Nil
Area of Water Rights in force	"	"
Number of Lode Claims in force	"	"
Number of Alluvial Claims in force	"	"
Number of Protection Areas in force	"	"
Number of Residence Areas in force... ..	"	"
Number of Business Areas in force	"	"
Number of Machine Areas in force	"	"
Number of Tailings Areas in force	"	"
Number of Garden Areas in force	"	"
Number of Mining Licenses issued during	7	9
Number of Quarry Licenses issued during	Nil	Nil
Number of Business Licenses issued during	"	"

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
Granite, stone, etc.	Bulla Bulling ... ..	...	2	...	7 acres.
Mica	Londonderry ... ..	...	2	...	26 "
Clay, etc.	Coolgardie ... ..	...	1	...	12 "
	Total	21	5	259	45

TABLE D.

** List of Ore Reduction Plants at end of Year 1899.*

District.	Number of stamps erected.		Number in course of erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Coolgardie	321	353	†	†	£ 125,751	£ 179,667
Kunanalling	103	136	†	†	62,360	‡ 53,338
Total	424	489	...	...	188,111	233,005

* For details, see Mining Statistics. † No record. ‡ This amount is less than previous year owing to the dismantling of large plants and general depreciation in value of machinery.

TABLE E.

** Particulars of Mining Accidents during 1898-9.*

	1898.	1899.
Injured	14	6
Killed	2	5
Total	16	11

* For details, see Mining Statistics.

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

District.	Males.		Females.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Coolgardie	3,757	...	2,254	...	6,011
Kunanalling	464	...	124	...	588
Total	4,221	...	2,378	...	6,599

TABLE G.

Mining Revenue, 1898-99.

	District.	Year 1898.			Year 1899.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	Coolgardie...	5,624	8	0	5,020	0	0
Other sources under Goldfields Act	Do. ...	1,738	10	0	1,135	3	7
Lease Rental under Mineral Lands Act	Do. ...	20	6	3	19	10	0
Other sources under Mineral Lands Act	Do. ...	8	0	0	3	18	0
Exemption Fees	Do. ...	1,122	5	0	781	17	0
Receipts from Public Batteries	Do. ...	...	...	...	...	...	...
Receipts under Boilers Act	Do. ...	...	...	...	213	16	0
Fees—Examination of Engine-drivers	Do. ...	225	18	5	69	13	0
Survey Fees (Leases, Areas, etc.)	Do. ...	985	10	0	1,078	10	0
Receipts from all other sources	Do. ...	38	18	0	37	14	3
Total Mining Revenue ... ..	...	£9,763	15	8	£8,360	1	10

TABLE H.

Average Number of Miners employed during 1899.

District.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Coolgardie	1,324	1,726	150	100	1,474	1,826*
Kunanalling	427	834	40	30	467	864*
Total	1,751	2,560	190	130	1,941	2,690

* Approximately.

TABLE I.

Water Supply during year 1899.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government tanks: Number and contents.	Rainfall.
Coolgardie ...	190ft.	180ft.	10 tanks. Contents on 31st December, 1899, 8,457,500 gallons.	10in.

TABLE J.

Ruling Rates of Wages during 1899.

	per week,	£	s.	d.
Miners above ground	3	0	0
Miners below ground	3	10	0
Miners, wet ground	4	0	0
Engine-drivers	4	0	0
Mechanics	4	10	0
Carpenters	4	0	0
Labourers	3	0	0

TABLE K.

Yield of Gold for year ending 1899.

District.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total yield.		Average per ton in oz., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Coolgardie	120,598	99,696	6,472	603	76,395	106,771	·96	·82
Kunanalling	34,405	23,371	4	1,111	23,278	24,486	·78	·68
- Total	155,003	123,067	6,476	1,714	99,673	131,257	·91	·79

Warden's Report on the East Coolgardie Goldfield for the Year 1899.

To the Under Secretary for Mines, Perth.

SIR,

I have the honour to forward you my Report on the East Coolgardie Goldfield for the year ending 31st December, 1899.

During the past 12 months the field has developed to a marvellous degree. Extensive plants have been erected on most of the principal mines, and are in course of erection on others.

Furnaces for the treatment of the sulphide ores are about completed, and the result will be looked to with considerable anxiety.

It is very questionable whether the treatment by roasting will be a success, but as in Broken Hill so it will be here: the question as to the proper way in which to treat these ores will be solved in the near future.

On the Lake View Consols, Australia, Perseverance, Kalgurli and Kalgurli South, Golden Horseshoe, Great Boulder, Ivanhoe, and Brown Hill, the developments at a depth have been most satisfactory, and the yield of gold has surpassed anything in the past. Especially in the Great Boulder Mine has the year under review been an eventful one, as at a depth of 1,000 feet the lode has been proved good and valuable, and this mine, I may here state, has the deepest shaft in the field.

The North end of this field has not, I regret to say, produced anything of a startling nature during the last 12 months, but I firmly believe that at a depth payable lodes will be discovered, and here I may take the opportunity of remarking that I should like to impress upon the Government the advisableness of offering a bonus to the first Company who sink to a depth of 1,000 feet in this end of the field and find payable ore. I suggest this as I know that almost all Companies in this locality have spent large amounts of money in developing their properties without any return, and I am of opinion that they deserve encouragement.

The alluvial question has taken a prominent place during the year 1899. The serious aspect of affairs is fresh in the minds of most people, but I am pleased to say that the irritation that was caused over the now historical Adeline lead has been smoothed over, and I think in the future there will be no further trouble; but yet it is desirable that, in the event of a lead being discovered on leases, something should be done so as to compel the lessee to work it according to regulations, and I believe that if the lessees were to be made to man an alluvial lead according to the regulation, that is to say, man the claims in exactly a similar manner as the alluvial digger would be forced to do, it would give satisfaction.

I am pleased to be able to say that land for homes has been granted in a more liberal way of late, but yet a great deal has to be done, and the Government must be prepared to lay out areas in all available places, especially as near the mines as possible. The population is increasing rapidly, and every facility must be given the miner to form a home for himself and family.

The yield of gold has shown a remarkable increase, as compared with 1898, but during 1900 I do not think the yield will be in excess of 1899, and I give the following as my reason: Our most important mines will have to cease their sensational returns of from 4oz. to 12oz. per ton, and come down to the regular output of 1oz. to 2ozs.

Both the towns of Kalgoorlie and Boulder have shown remarkable progress, and in the near future must join so as to form a large city.

I estimate the population of this field, at the end of 1899, at 35,000, a large increase on the previous year.

Water on the field is becoming very scarce, and the price for condensed has risen at times to as much as 20s. per 100 gallons.

The mines also have felt the strain, and it seems as if the constant drain on the salt water is having effect.

Firewood also is getting thinned out, necessitating long distances for carting. I am pleased to see that a line of rails is being laid for the purpose of tapping the country at a distance.

FRED. HARE,

Warden.

23-5-00

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for ...	28	103
Area of Gold Mining Leases applied for, in acres ...	387	1,935
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	209	178
Number of Gold Mining Leases refused ...	4	3
Number of Gold Mining Leases in force ...	491	393
Area of Gold Mining Leases in force, in acres ...	8,161	6,535
Number of Water Rights in force ...	76	81
Area of Water Rights in force, in acres ...	2,120	2,143
Number of Quartz Claims in force ...	<i>Nil.</i>	2
Do. Alluvial Claims do. ...	9	8
Do. Protection Areas do. ...	11	18
Do. Residence do. do. ...	1,621	1,355
Do. Business do. do. ...	59	63
Do. Free Areas under Land Act ...	46	563
Do. Machine Areas in force ...	11	11
Do. Tailings do. do. ...	3	3
Do. Garden do. do. ...	17	39
Do. Poultry Farms ...	16	37
Number of Miners' Rights issued during ...	3,260	2,826
Do. do. Consolidated ...	7 for 47 men	11 for 173 men
Number of Business Licenses issued during ...	58	24

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for ...	9	16
Area of Mineral Leases applied for, in Acres ...	112	307
Number of Mineral Leases abandoned, surrendered, or forfeited ...	<i>Nil.</i>	27
Number of Mineral Leases refused ...	1	2
Number of Mineral Leases in force ...	37	27
Area of Mineral Leases in force, in acres ...	495	383
Number of Water Rights in force ...	<i>Nil.</i>	<i>Nil.</i>
Area of Water Rights in force, in acres ...	<i>Nil.</i>	<i>Nil.</i>
Number of Lode Claims in force ...	<i>Nil.</i>	<i>Nil.</i>
Do. Reward Claims do. ...	2	1
Do. Protection Areas do. ...	2	1
Do. Residence do. do. ...	<i>Nil.</i>	<i>Nil.</i>
Do. Business do. do. ...	<i>Nil.</i>	<i>Nil.</i>
Do. Machine do. do. ...	<i>Nil.</i>	<i>Nil.</i>
Do. Tailings do. do. ...	<i>Nil.</i>	<i>Nil.</i>
Do. Garden do. do. ...	<i>Nil.</i>	<i>Nil.</i>
Number of Mining Licenses issued during ...	19	46
Number of Quarry Licenses issued during ...	<i>Nil.</i>	<i>Nil.</i>
Number of Business Licenses issued during ...	<i>Nil.</i>	<i>Nil.</i>

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force
31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1898.	1899.	1898.	1899.
Lime	Kalgoorlie	6	...	55	...
Brickmaking	20	17	122	158
Mercury	2	...	128	...
Asbestos	2	...	120	...
Building stone	7	8	70	125
Copper	1	...	50
Various	1	...	50
Total	37	27	495	383

TABLE D.

* List of Ore Reduction Plants at end of Year 1899.

Goldfield.	Number of Stamps Erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
East Coolgardie	323	295	...	...	£ 341,714	£ 566,426

* For details see Mining Statistics.

TABLE E.

Particulars of Mining Accidents during 1898-9.

	1898.	1899.
Total number of Accidents not ending fatally	19	27
Total number of Accidents ending fatally	14	13
Total number of persons injured	26	29
Total number of persons killed	15	14

TABLE F.

Total Population of Goldfield on 31st December, 1899, compared with
31st December, 1898.

Goldfield.	1898.	1899.	Increase.	Decrease.
East Coolgardie	*25,000	*35,000	10,000	...

* Approximate.

TABLE G.
Mining Revenue, 1898-9.

	District.	Year 1898.		Year 1899.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act ...	East Coolgardie	8,512	13 0	7,089	0 6
Other sources under Goldfields Act	3,334	16 0	2,561	8 9
Lease Rental under Mineral Lands Act	40	8 9	76	17 6
Other sources under Mineral Lands Act	13	0 0	16	6 0
Exemption Fees	2,088	10 0	1,192	10 0
Receipts from Public Batteries	472	5 0
Receipts under Boilers Act	136	0 0
Fees—Examination of Engine Drivers	376	0 0	1,430	0 0
Survey Fees—Leases, Areas, etc.	579	15 0	22	19 0
Receipts from all other Sources	21	4 0	...	...
Total Mining Revenue	14,966	6 9	12,997	6 9

TABLE H.
Average number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
East Coolgardie ...	4,812	5,110	500	1,500	5,312	6,610

TABLE I.
Water Supply during Year 1899.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks Number and Contents.	Rainfall.
East Coolgardie ...	* 97 feet... ..	None	1 on December 31, 1899, 373,500 gals.	9.97

* This is approximate.

TABLE J.
Ruling Rates of Wages during 1899.

Miners above ground	11s. 8d. per day of 8 hours
Miners below ground	{ 11s. 8d. to 15s. per day
Miners, wet ground	{ £3 10s. to £4 10s. per week
Engine Drivers... ..	15s. to 16s. 8d. per day
Mechanics	11s. 8d. and 13s. 4d.
Carpenters	15s., foremen 16s. to 16s. 8d.
Labourers	10s. do. do.

TABLE K.
Yield of Gold for Year ending 1899.

Goldfield.	Tons crushed.	Return in ozs.	Alluvial.	Specimens if any.	Total yield in ozs.		Average per ton in ozs., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
East Coolgardie ...	466,759·09	854,785·06	590·25	29·56	*422,391·86	855,404·87	1·59	1·83

* Includes 148ozs. specimens.

Revenue received from 1st January to 31st December, 1899.

INTERNAL REVENUE.					£	s.	d.
Judicial Fines and Fees	...	...	...	...	499	4	7
Local Court Fees	...	...	...	...	452	15	6
From all other Sources	...	...	...	...	3,825	16	0
Total	...	...	...	...	£4,777	16	1
CUSTOMS.							
Beer Duty Stamps	...	...	...	...	7,377	0	6

Warden's Report on the Dundas Goldfield for the Year 1899.

The Under Secretary for Mines, Perth.

SIR,

I have the honour to submit, for the information of the Honourable the Minister for Mines, a General Report on the Dundas Goldfield for the year 1899.

The general tone of my Report for the year 1898 gave a forecast of an increase of prosperity for the year under review, the outlook at the commencement being decidedly of a sanguine character. I regret to say, however, that these hopes have not been as fully realised as I could desire, there having been a marked decrease in population and a less amount of prospecting done than formerly; this field having, no doubt, suffered from the depression common to all the goldfields during a great part of 1899. At the same time, the Gold Statistics given below are most reassuring and encouraging, showing as they do that the output has much increased and is steadily increasing in volume. Nearly twice as much ore has been treated this year as last; and, although the average yield is less than in 1898, owing partly to many trial crushings from prospecting shows being put through with disappointing results, the steady aggregate increase proves, I think, the permanency and value of the field. From all appearances, and from the latest developments at depth, I think it may be augured that this satisfactory state of the principal industry of the district will be maintained; and not only can one judge from the above facts, but from the fact of several recent and extensive installations of cyanide plants at various mines, which have already large quantities of sands to work upon.

In addition to these features concerning established mines, there undoubtedly yet remains on the Dundas Goldfield a vast amount of country as yet unprospected, or only very partially so, and which, I am confident, will yet in the near future reward the prospectors in the same manner, or perhaps more richly, than has the ground now mined. One valuable find of lode matter was made in the latter part of the year, from which a yield of 300 ounces was obtained from 30 tons immediately after discovery, and the lease was sold for a good figure. I regret to say, however, that the hopes with regard to this find which at first were indulged in have not as yet been fulfilled; but the ground is now being sunk upon and prospected with confidence.

With regard to alluvial, none, or next to none, has been reported at my office; but it is well known that, although prospects would not justify any man giving up the receipt of a weekly wage, there are several gullies and other places at which alluvialists have been working for many months, and from which very fair quantities of gold have been taken—in many cases of far more value than wages. It would be difficult to give a correct estimate of the number of alluvial miners employed during 1899, but I should say an average of about forty men would be near the mark.

The water question has, during the past twelve months, caused no little anxiety to mine managers, owing to the shortness of the supply and its consequent density. This may be largely accounted for by the very scanty rainfall of the season. It is to be hoped that this anxiety will speedily be relieved by a heavy downpour. A large concrete tank, with a capacity of 3,000,000 gallons, has just been completed by the Government at a cost of £15,000 or upwards; and, although the tank is situated some three miles from the town, the townspeople would soon find means of conveying the water to a central spot for distribution if once substantially filled with the precious fluid. Statistics presented below show a smaller population than at the close of 1898, but against this the fact must be set that more families are settled here, several miners and others evidently thinking that prospects warrant such an outlay. Consequent on this decrease, there has been a small reduction in the number of business houses. This has, however, to all appearances, led to an increased business being done by the majority of those remaining, the hotels probably being the principal exceptions. The Union Bank have shown their opinion of the district by opening a branch, while the Western Australian Bank, the first banking institution established at Norseman, still seems to be doing a full share of the business.

With regard to education, additional accommodation has been provided by the Government at the State School, and the space is now ample for present requirements. At the end of December the number of scholars on the roll was 101, and the average attendance about 73.

In conclusion, I wish to record the fact that the state of the public health has been exceptionally good for a goldfield; the occurrence in few cases of infectious disease proves the sanitary condition in which the town and district have been kept. The almost entire absence of the great scourge of the Goldfields (typhoid fever) has greatly contributed to this result, and this is owing partly to the isolated position of the field, and partly to the prompt action always taken by the Board of Health and other authorities.

I have, etc.,

ARTHUR HICKS,

Warden Dundas Goldfield.

Norseman, 15th April, 1900.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	36	64
Area of Gold Mining Leases applied for, in acres	449	715
Number of Gold Mining Leases abandoned, surrendered, or forfeited	129	58
Number of Gold Mining Leases refused	2	2
Do. Gold Mining Leases in force	126	110
Area of Gold Mining Leases in force in acres	1,547	1,352
Number of Water Rights in force	80	48
Area of Water Rights in force, in acres	493	450
Number of Quartz Claims in force	75	26
Do. Alluvial Claims do.	1	3
Do. Protection Areas do.	2	3
Do. Residence do. do.	70	55
Do. Business do. do.	18	24
Do. Machine do. do.	13	6
Do. Tailings do. do.	8	3
Do. Garden do. do. ... ..	...	...
Do. Miners' Rights issued during	388	305
Do. Consolidated Miners' Rights issued during	1	...
Do. Business Licenses issued during	15	14

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	1	...
Area of Mineral Leases applied for, in acres	6	...
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	...	...
Number of Mineral Leases refused ... ..	...	...
Do. do. in force	1	1
Area of Mineral Leases in force	6	6
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Do. Alluvial Claims do. ... ..	...	...
Do. Protection Areas do. ... ..	...	...
Do. Residence do. do. ... ..	...	...
Do. Business do. do. ... ..	...	...
Do. Machine do. do. ... ..	...	...
Do. Tailings do. do. ... ..	...	...
Do. Garden do. do. ... ..	...	...
Do. Mining Licenses issued during	1	2
Do. Quarry do. do. ... ..	...	...
Do. Business do. do. ... ..	...	...

TABLE C.
Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
Lime	Norseman	1	1	6	6

TABLE D.
** List of Ore Reduction Plants at end of Year 1899.*

Goldfield.	Number of Stamps Erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Dundas Goldfield	188	192	...	3	£ 81,784	£ 78,059

* For details, see Mining Statistics.

TABLE E.

* Particulars of Mining Accidents during 1898-9.

									1898.	1899.
Injured	...	...	...	...	...	...	...	...	1	7
Killed	...	...	...	...	...	...	...	...	...	...

* For details, see Mining Statistics.

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.		
	1898.	1899.	1898.	1899.	1898.	1899.				
Dundas Goldfield	1,246	1,039	350	361	1,596	1,400	...	196

TABLE G.

Mining Revenue, 1898-9.

				District.	Year 1898.	Year 1899.
					£ s. d.	£ s. d.
Lease Rental under Goldfields Act	...	...	Dundas Goldfield	...	1,720 10 0	1,450 13 0
Other sources under Goldfields Act	...	...	do.	...	731 8 6	664 5 8
Lease Rental under Mineral Lands Act	...	...	do.	...	1 2 6	2 10 0
Other sources under Mineral Lands Act	...	...	do.	...	2 5 0	...
Exemption Fees	...	...	do.	...	318 13 0	256 13 0
Receipts from Public Batteries	...	...	do.	...	303 10 3	1,573 13 7
Receipts under Boilers Act	...	...	do.	...	...	25 0 0
Fees—Examination of Engine-drivers	...	...	do.	...	49 10 0	18 0 0
Survey Fees (Leases, Areas, etc.)	...	...	do.	...	370 16 0	409 8 0
Receipts from all other Sources	...	...	do.	...	0 19 0	3 4 6
Total Mining Revenue	...	...	...	...	3,498 14 3	4,403 7 9

TABLE H.

Average Number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.			
	1898.	1899.	1898.	1899.	1898.	1899.		
Dundas Goldfield	373	547	25	40	398	587

TABLE I.

Water Supply during Year 1899.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.		
Dundas Goldfield	...	No reliable data can be given.	95 to 100 feet	...	One at Norseman (3 million gallons)	6.44

TABLE J.

Ruling Rates of Wages during 1899.

			Per week.				Per week.
			£ s. d.				£ s. d.
Miners above ground	...	£3 to	3 10 0	Mechanics	...	...	4 10 0
Miners below do.	...	...	3 15 0	Carpenters	...	...	4 0 0
Miners wet do.	...	...	4 0 0	Labourers	...	...	£3 to 3 10 0
Engine-drivers	...	...	4 0 0				

TABLE K.

**Yield of Gold for Year ending 1899.*

Goldfield.	Tons Crushed.	Return in ozs.	Alluvial.	Specimens (if any).	Total yield in ozs.		Average per ton in ozs., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Dundas Goldfield	59,379·30	43,924·37	142·75	146·18	36,798·48	44,213·30	1·18	·74

* For details, see Mining Statistics.

*Warden's Report on the Mount Margaret Goldfield for the year 1899.**The Under Secretary for Mines.*

SIR,

I have the honour to submit, for the information of the Honourable the Minister, the following Report on the Mount Margaret Goldfield for the year 1899:—

The area of this field, as you are aware, is 42,154 square miles, divided into two Registrars' Districts—viz., Mount Malcolm, comprising an area of 2,644 square miles, and Mount Margaret, comprising an area of 39,510 square miles.

The progress which this field has made during the year under review is most satisfactory. Its steady and continuous advancement ever since it was declared a goldfield cannot but be a source of much gratification to all who have the permanent prosperity of our goldfields at heart. Its consistent increases, during the last three years, in revenue, population, and gold production have placed it in a very prominent position amongst the goldfields of the Colony. A considerable amount of development work has been done on this field during the past year, in many instances proving the permanency of our lodes at a depth. Several new reefs and lodes have been discovered and are now being vigorously opened out. These continual discoveries, notwithstanding the number of good mines which are already being worked, prove beyond a doubt the possibilities of this goldfield, and the fact that the vast and unlimited extent of auriferous country which lies within its boundaries has, even up to the present time, been only superficially prospected. I am sorry to say that extremely little systematic prospecting has been done up to the present, and the discovery of many of our most promising new finds has been more the result of accident or chance than the reward for money expended in prospecting work. This condition of things will, no doubt, be remedied when the railway brings us into closer touch with the more settled portions of the Colony. The successful passage of the Menzies-Leonora Railway Bill through Parliament must be a source of much satisfaction and gratification, not only to those whose interests are affected thereby, but also to everyone who realises what the possibilities of this field are and who has the development of our auriferous resources and the best interests of our Colony at heart. This line will prove a very great factor in the progress and development of this field, and will so alter the present existing conditions as to enable very many properties, which are too low grade to pay at present, to be worked at a profit.

Timber for mining purposes is only with the greatest difficulty obtained, and, in many instances, has to be carted long distances. This class of timber costs, at present, from 2s. 6d. to 4s. per stick. Firewood is also becoming extremely scarce in the vicinity of the larger mines. The question of fuel is now a very serious one, and there can be no doubt that, in the near future, many mines will have to use coal. The price of firewood at present ranges from 17s. to 25s. per cord, delivered on the mines. The railway should be the means of reducing this price considerably, however, for, by the use of sidings, large patches of fairly well-timbered country, which are at present too far away to be accessible to teams, will then be made use of.

Its consistent gold output, the extent and value of its ore bodies, and the development work which is being done in opening them out, have been the means of bringing this field, during the past year, prominently before the eyes of the public, and have drawn the attention of mining men and capitalists to

it as a field in which the judicious expenditure of money in exploitation work might be justified by results. Many properties have, accordingly, been taken over by companies, and fair, common-sense prices paid for them to the holders; and the values of many others are being demonstrated under options of purchase.

In the majority of centres throughout this field, the prospectors, I am pleased to say, now take up leases with the intention of developing them as far as they possibly can. This, together with the fact that many more quartz claims are being applied for than was formerly the case, are healthy signs, and go to prove that men who cannot afford to work leases do not now apply for and endeavour to hold them without working them. This satisfactory condition of affairs is mainly attributable to the fact that, now-a-days, companies, under no circumstances, would think of purchasing a lease until sufficient development work had been done on it to demonstrate, to some extent at any rate, the character and value of its ore bodies. The days for selling "wild cats" have, fortunately, gone, never to return. Under the new order of things, if the representative of a company inspects a lease with a view to purchase, and after having examined and sampled it is of opinion that its possibilities are good, but that sufficient development work has not been done to enable him to form such an opinion as regards the permanency of its ore deposits as would justify him in recommending his company to purchase it, he recommends them, instead, to take an option over it for a certain stated period, during which time they, at their own expense, do such work as is considered necessary to enable some accurate opinion of its value to be formed. If, during the period, or at the termination of the option, the company's representative is satisfied with the development work which has been done under his supervision or direction, he completes the purchase on behalf of his company; on the other hand, if he considers the results of developments not as satisfactory as he requires them to be, he advises his company to throw up the option—in which case the lease reverts to the holders.

The Government public battery at Leonora has done very good work during the year. Started on the 27th January, by the Minister for Mines, it crushed, to 31st December, 67 parcels of ore, amounting in the aggregate to 2,164 tons, for a return of 1,605·47ozs. It has been a great boon to the small lease-holders around Leonora, but, unfortunately, as is so often the case, it has proved many leases to be practically of no value. The manager is a capable, conscientious man, who thoroughly understands the work entrusted to his care. Several complaints were made concerning the working of the battery, by prospectors who were dissatisfied with the results obtained from their crushings, which were, in some instances, only as many dwts. as they expected ounces; and, of course, the manager, battery, and Government were to blame. I held a public inquiry into the matter on the 4th November, at which a great number of prospectors were present, and, as you are aware, the complaints made against the competency of the manager and the effectiveness of the battery all fell to the ground, and were proved to have had their origin from men who were disappointed with the values of the reefs and lodes on their leases, as determined by crushings put through at this battery—always the best and most reliable test. Many men are often misled into the belief that their ore is of greater value than it is. The wish becomes father to the thought, and a battery tells a tale which is unpalatable to them. I made certain recommendations which I considered would afford greater facilities to prospectors in the handling of their ore. This was the only improvement I considered necessary. At present everyone has the greatest confidence in the battery, and also in the manager, who at all times has proved himself anxious to oblige the public as far as he can.

The gold output from this field for 1899 was, from crushings, 78,977·49ozs. from 75,586·35 tons, and from alluvial 345·06ozs. and specimens 601·18ozs., making a total of 79,923·73ozs., which exceeds the total output for 1898 by 30,205·96ozs., which is a highly satisfactory increase for the year. The increase for 1900 over 1899 will, however, far more than double this amount. In fact, the Sons of Gwalia mine alone will, during the present year, turn out an increase of fully 40,000ozs. over the output for 1899, which was 20,027·89ozs.

Very little alluvial gold is now being found. Some 60 men or so are still engaged in specking on the old patches, but very few of them are making more than "tucker." No deep alluvial has been discovered to date. Last year a bore was put down in Skull Creek, near Laverton, but nothing excepting colours were found, and all attempts at further prospecting have been abandoned.

As regards particulars concerning the principal mines and townships on this field, I will treat each district separately, commencing with the

MOUNT MALCOLM DISTRICT,

of which the chief mining centres are Malcolm, Leonora, Diorite King, Bummers' Creek, Murrin Murrin, and Mertondale.

MALCOLM.

The principal mine in this centre is the *North Star*. This mine has done very little crushing during the year, but the opening up of the ore bodies is being vigorously prosecuted, and an additional 10-head of Fraser and Chalmers' stamps and other machinery are being erected, and will all be ready for work about May next. Whilst opening out on the old reef at the 200 feet level a new cross-reef was discovered and driven on for a considerable distance. This reef consists of a blue, kindly-looking quartz, carrying visible gold in places, and in general character is a more valuable one than the other. Rises have proved that in no place does it come within a closer distance than 66 feet of the surface. The discovery of this very promising reef was purely a matter of accident. Its existence might never have been known had it run in a lateral direction with, instead of intersecting, the other reef which was being worked. This only goes to prove that many such reefs undoubtedly exist throughout this field, and that systematic prospecting at the deeper levels in each mine is the only way in which to thoroughly test the country. On the *North Star* during the past year a considerable amount of development work has been done, including a new vertical main shaft, with overhead connections with the battery. The new additions will increase its crushing power to 20 head, and from the recent development work done, there should be no trouble in keeping them running.

The *Richmond Gem* has done very little more than development work during the year. The want of funds retards the progress of this mine. The other promising properties around Malcolm are the Midas, three and a half miles North-West from Malcolm township, and the Dover Castle, half a mile North.

LEONORA.

The most important mine in this centre is the *Sons of Gwalia*. It is in fact the most valuable mine at present on this goldfield, and is situated two miles South of Leonora township. The opening up of this mine has been pushed ahead considerably during the last 12 months. Some 1,000 feet of driving have now been done at the 300 feet level, and the lode here averages in width about 35 feet for that distance, and maintains its value. Opening out at the 400 feet level is now being done. Here the character and value of the lode is also being maintained. The new main incline shaft is 17 feet by 5 feet, clear of timbers, and has been sunk and timbered for a distance of about 560 feet on the underlay, and the lode at the bottom is looking well and is carrying a considerable amount of sulphides. This shaft is centred and timbered throughout with oregon frames and heavy planking. The rails used are 27lb. ones, and the skips will carry two and half tons each. The head gear, including crushers and ore bins, is very convenient, and will save all unnecessary handling of the ore. The new winding plant is a 50-horse power one from the Rissdon Iron Works, California. The old ten-head mill has been running during the whole year, and has turned out 20,027·89ozs. from 17,655 tons. This mill will still run on the accumulation of lower grade ore which is lying on the surface close to it, whilst the new mill of 30-head of Fraser and Chalmers' stamps is running on the ore raised from the new main shaft. The machinery on this mine is of the very best, and it is as perfect and as compact a plant as there is in the Colony. The machine shop is fitted up with all lathes and other machinery necessary for the working of a big mine, including a planing machine. It is expected, when the new machinery has commenced working, this mine will turn out fully 7,000oz. per month. In addition to the battery, a cyanide plant, capable of treating 200 tons per day, is being erected. The tailings will be lifted by means of a wheel, which is now in position, and an air-lift has also been provided in case of emergency. The number of miners and other men employed on and in connection with this mine number some 500. The manager, Mr. E. Homersham, has had considerable South African experience.

On the leases to the South of the Sons of Gwalia large lode formations exist, which are similar in character and composition to those on the parent mine. Though they all carry gold, nothing of a payable nature has, however, as yet been found. On the Prince of Gwalia a shaft is now being sunk, and it is the intention of the management to continue it to a depth of 1,500 feet, with a view to prospecting the country thoroughly at a depth by means of crosscuts. There is a very good prospect of payable ore being discovered at a depth on these leases. Nothing would please me more than to see this hope realised, for if one or two of these Southern properties turned out as good as the old Sons of Gwalia it would mean a very great thing for the district. Mr. G. W. Hall is the general manager and managing director for the companies holding these properties, and he is himself heavily interested in them. For his sake also I would like to see them turn out a success, for it is mainly owing to his enterprise, energy, and faith in this field that it now occupies the position it does. He has not only done more than any one else towards bringing the possibilities of this field under the notice of British capitalists, but he has induced his company to expend a considerable sum of money in demonstrating the value of its ore bodies.

The *Leonora Gold Blocks* is, next to the Sons of Gwalia, the most important mine in the Leonora centre. Situated about four miles North-North-West from Leonora township, and consisting of 144 acres, this property gives every promise of developing into a big mine. There are three ore bodies running through it. The main ore body consists of decomposed country rock, with bands of quartz running through it. An underlay shaft has been sunk on this lode and at a depth of 120 feet; about 1,000 feet has been driven along its course, which trends in an East and West direction. Through this level the lode averages four feet in width and is well defined with fairly good walls. At 160 feet, about 40 feet of driving has been done; at this level the lode averages three feet in width and carries a considerable amount of sulphides. The country is hard diorite. On a parallel line of lode, which is more of a schisty nature than the main lode, another shaft has been sunk to a depth of 64 feet, from which level the reef has been exposed for 40 feet, and averages about six feet in width; 79 tons from here gave an average of 5ozs., but, as it was evidently taken from the centre of the chute, it is not a fair average of the value of the lode. On a cross reef trending North and South two shafts have been sunk to a depth of 60 feet each and about two chains apart. From one of them 70 tons gave an average of 1oz. 9dwts. per ton, but the reef at the bottom of the other, which has been proved to be 20 feet wide by crosscutting, is low grade. During the past year this mine has crushed 2,508 tons for a return of 3,299·23ozs. A 20-head battery was purchased during the year, and 10-head were started in July. The other 10-head will be erected as soon as the developments are sufficiently ahead to keep them going. This mine is reported to be looking exceedingly well at present. About eighty men are employed in connection with this property.

The other leases of note in this centre are the *Great Boston*, half-mile N.N.W. from Leonora township. This lease has lately been taken under option by Mr. G. H. Hall. It contains a very large formation of low-grade value, but very easily crushed. The Mount George leases, 10 miles N.W., on which a 10-head battery is working. The Trump, three miles N.W., with a 5-head battery; and the Tower Hill, about one mile South of the town.

The Government battery is on the old Johannesburg lease, situated about one and a-half miles from Leonora. This battery has done good work during the past year, as I have already stated, but I doubt if it can be kept going during the present year. These batteries soon knock the bottoms out of prospecting shows.

DIORITE KING.

The mines in this centre have been rather disappointing. The *Diorite King* and *Vice-Regent* have been practically shut down during the greater portion of the year. The King of the Hills, which was purchased towards the end of 1898 by the Harquahala Gold Mining Company, Limited, and floated into

a separate concern under the title of the King of the Hills Gold Mining Company, Limited, has had a very good 20-head Fraser and Chalmers' mill erected on it during the year. They commenced work in November, and had crushed up to the end of February this year 3,114 tons for 1,386·60ozs., and have, at the date of writing this, shut down in order to reconstruct, as they have run out of capital. The tailings assay about 9dwts.

The *Mount Stirling* leases, owned by a small Perth syndicate, I believe, started crushing in December with a ten-head mill, and have, up to the end of February this year, turned out 715·70ozs. from 570 tons. This centre contains innumerable ore deposits, and I cannot help thinking that systematic prospecting work is all that is required to reveal payable chutes in some of them.

BUMMERS' CREEK.

On this creek, and about 12 miles North of Malcolm township, is situated *Webster's Find, Limited*. A considerable amount of development work has been done on this mine during the year, and the developments are well ahead of the (10) ten-head Thompson's battery which is erected on it. Unfortunately, though situated close to the creek, a supply of water sufficient to keep the mill running full time has not yet been obtained. There is, in fact, less water now than there was in 1898. The reef on the surface—a white laminated quartz—shows payable gold over a great length. The crushings for 1899 were 2,072 tons for 2,070·97ozs.

The *Australia United* is situated 25 miles East-North-East from Malcolm, at the head of the creek. Very little work has been done on this mine during the year, the attention of the management having been paid chiefly to outside prospecting shows which were taken up by the company. During the year only 1,275 tons were crushed, for a return of 1,695·51ozs.

The *Imperial Reward* has been purchased during the latter part of the year by the Australia United people, and development work is at last being earnestly pushed ahead. This property is situated only half a mile West from the Australia United, and can easily be worked with it as one mine. It has three reefs running through it, and is said to give every promise of turning out a payable proposition.

MURRIN MURRIN.

The Mount Malcolm Proprietary Gold Mine, Limited, is the principal mine in this centre. It is situated one and a half miles from the townsite of Murrin Murrin, and consists of 190 acres. I gave a very full description of this mine in my report for 1898, which it is, I think, unnecessary for me to repeat here. A 30-head mill is working on this property and crushed, during last year, 18,469·50 tons for 9,181·13ozs.

There are several prospecting shows in this centre, but none of them have so far proved of much value.

During the year rich copper ore, both in oxide and carbonate forms, was discovered by Mr. Charles Taylor on the Princess Alix Gold Mine. He immediately took up a lease of 100 acres over the gold mining leases there, and applied for and obtained the forfeiture of Lambie's copper leases, four and a half miles South-West. These, with others taken up around them, give him an area of 123 acres in this locality, and, including the 100 acres at the Princess Alix, a total of 223 acres. The copper deposits at Lambie's are more extensive though lower grade than those at the Alix. The average value of the ore is about 15 per cent. Mr. Taylor has erected a water jacket furnace at Lambie's, and commenced smelting on 17th February of this year. He is using charcoal at present for smelting purposes. During last year 251 tons, assaying 25·5 per cent., and 22 tons, assaying 16·5 per cent., valued at £4,106 and £232 respectively, were shipped for treatment to South Australia.

MERTONDALE.

This is an entirely new centre. Payable gold was discovered here by F. Merton in the early part of the year, and a reward claim was granted him on 16th March. This contains six acres, and, with two leases of 24 acres and six acres respectively, comprise his holding. He has erected a 20-head Martin's battery on the property. Ore crushed to 31st of December, including parcels sent to other batteries prior to the erection of his own, amounted to 996·50 tons, and gave a return of 3,306·90ozs. This is an extremely rich surface show. A great number of other leases have been taken up in the vicinity and some are on payable gold. The development work which has been done so far is not sufficient to warrant anyone in predicting what the future of this centre will be. It promises well up to the present, and that is all that can be said.

The declared townsites in the Mount Malcolm district are Malcolm, Leonora, Kurrajong, Mertondale, and Murrin Murrin.

Malcolm is the chief town of the district, and the headquarters of the Warden. It has a population within the town boundaries of 305 males and 94 females. The principal buildings are the Warden's Court and Offices, the Post and Telegraph Offices, with Savings Bank and Money Order Office attached, the Hospital, Mechanics' Institute, five hotels, and the Western Australian and National Banks. A lock-up and police stables were erected during the year, and tenders are being called for police quarters. The Water Supply Department has an office in the town, and the Works Department intends appointing a resident officer also. A Government School was opened during the year, and the present number of children on the roll is 52. Branches of the Church of England and Roman Catholic and Wesleyan Churches were established in this district during the year, with headquarters at Malcolm. A brewery was erected, and commenced operations on 14th December. During the year 116 patients were admitted into the Hospital, 26 of whom were suffering from typhoid. The deaths numbered four only—two from pneumonia, one from cancer, and one from enteric fever. The proportion of indigent patients treated was 37. A Health Board exists in this town.

Leonora is 12 miles West from Malcolm, with which it is connected by a cleared track, 20 feet in width. It is the centre of a very important mining district, and promises to become a very large town in the near future. Its population at present numbers 282 males and 53 females. In this town there are branches of the Western Australian and National Banks, a Post and Telegraph Office, with Money Order Office and Savings Bank, a Mechanics' Institute, a private hospital, three hotels, and shops of various kinds. A provisional certificate has been granted for a fourth hotel. A Government School has been opened at the Sons of Gwalia, two miles distant from the town, at which there is at present an attendance of 36 children. A lock-up and police stables were erected during the year, and police quarters are also to be provided. A Health Board has been established. It is highly probable that this town will, for a considerable time, be the terminus of the railway system through these fields. It will then be the distributing centre for the Diorite King District and the whole of the East Murchison goldfield, from the capital of which (Lawlers) it is distant 90 miles.

"Kurrajong" and "Murrin Murrin" are very small places. Each has a Post and Telegraph Office, and the usual public house. The former has a population of 31 and the latter of 17.

Mertondale was declared a townsite on 26th July, but though several lots have been purchased only one has so far been occupied. Everyone appears to be waiting developments on "Merton's Reward" leases.

The gold output from the Mount Malcolm district for the year was 54,837·85oz. from 57,373·35 tons and 307·53oz. alluvial, and 443·83oz. from specimens, making a total production of 55,589·21oz. (See Table K.) The population of this district is 2,739, consisting of 2,305 males and 434 females. (See Table F.)

MOUNT MARGARET DISTRICT.

The mining developments which have taken place in this district during the past year have been most highly satisfactory. Judging from developments done, and present appearances, the ore bodies on some of the larger mines give every indication of permanency, both as regards value and size. Many leases were taken up, several of which, as far as one can form an opinion from the amount of work done, promise well. The gold output from this district for 1899 was 24,139·64oz., which, with 37·53oz. of alluvial, and 157·35oz. from specimens, make a total of 24,334·52oz. (See Table K.)

The population of this district is 1,436, consisting of 1,235 males and 201 females. (See Table F.)

The chief mining centres are Mount Morgans, Korong, Mount Weld, British Flag, and Earlston. The most valuable mine in the

MOUNT MORGANS

centre is the *Westralia Mount Morgans*. This mine, owned by the Westralia Mount Morgans Syndicate, Limited, and containing 48 acres, gives every promise of becoming a very large and valuable property. Four hundred and thirty six feet have been driven along the course of the main lode at the 50ft. level and 960ft. at the 100ft. level. The average width of the lode throughout is 20ft.

To 31st December last 7,262 tons were crushed for a return of 15,715·33oz., or an average of 2·16oz. per ton. The country rock, down to 240ft. in the main shaft, is schist.

I may say that during March this year (1900) the reef was cut at the 200ft. level, and was found to be 19½ft. in width through the crosscut, and, what is of more importance, the value is maintained. Driving has been commenced at this level.

The want of water sufficient for battery requirements has been a great drawback to this mine, and has greatly retarded its output. A pipe line has now been laid from a well, six miles to the eastward, in which there is a very large supply, and in a short time the water difficulty will be a thing of the past. A 20-head battery is at work on the property, but, owing to the scarcity of water mentioned, has never yet been able to run full time. Rock drills are also being used at the bottom of the main shaft and at the 200 feet level. A small cyanide plant is also at work, pending the erection of a permanent one. The total cost of the machinery in use is £9,620. A new 40-head Fraser and Chalmers' mill has been ordered, and will be erected during the present year. A very powerful dynamo is on its way to the mine. It is intended to supply Mount Morgans township with lighting power from it, and a syndicate in the town has been formed to instal and superintend the service, the mine supplying the power to them. There are two other lodes in this property, but very little work has, up to the present, been done on them.

The *Phoenix*, owned by the Guest's Gold Mines, Limited, adjoins the Westralia Mount Morgans on the South, and consists of 24 acres. There are two lodes on this property, being continuations of those on the Westralia Mount Morgans. On the main one three shafts have been sunk to depths of 115 feet, 180 feet, and 35 feet respectively. At the 100 feet level, 200 feet has been driven, and 130 feet of crosscutting done. The lode varies in width along this level from 17 feet to 25 feet, and assays one ounce. The country rock here is a ferruginous jasperite and quartzite.

This lode is said to look remarkably well, and continues to open out satisfactorily. A ten-head battery and a cyanide plant, capable of treating tailings from 20 head, commenced work during December. The water supply is being obtained from a well three-quarters of a mile off, which makes about 6,000 gallons per diem.

The *Lily of the Valley South* adjoins the Phoenix on the South, and consists of 24 acres. Three lodes run through it. On the main lode 760 feet have been driven at the 100 feet level. The lode here averages about 15 feet in width, and, I am informed, the assay value is 25dwts. This lease promises to develop into a very valuable property. It has lately, I believe, been floated into a company by Mr. A. E. Morgans, who owned it.

The *Millionaire*, which adjoins the above lease on the South, contains 24 acres, and is owned by Mr. Morgans also. The same three lodes run through this holding. Very little development work has so far been done, but what little has been done is of a satisfactory nature.

Mr. G. W. Hall has two leases adjoining the "Westralia Mount Morgans" on the North, under option, and is putting in good work on them; but, so far, the result of developments has not been at all satisfactory.

There are several other leases in this locality, but they are all in the prospecting stages.

At the centre known as the Korong the most promising leases are the "Korong," "The Corona Broken Hill," and "Charles XII.," each containing 24 acres. The leases are owned by prospectors, and are also still in their prospecting stages. Very promising reefs run through them, and I see no reason why, with the judicious expenditure of some capital in exploitation work, payable chutes should not be discovered.

These ore bodies are apparently a continuation of the Mount Morgans auriferous belt. (See locality plan attached.)

BRITISH FLAG.

The most important mine in this centre is "The Augusta," containing 72 acres, and owned by the "Golden Rhine Gold Mines, W.A., Limited," and situated $2\frac{1}{2}$ miles West from Laverton. The character of the reef is quartz and ironstone, and the country rock is a greenstone. Three shafts have been sunk, and the vein exposed at the 120 feet level for a distance of 600 feet. This is water level. The reef averages, through this drive, about 3 feet in width. The crushings taken out by the prospectors gave a return of 1,351.51ozs. from 441.50 tons. Since the company took the property over 1,774 tons have been crushed for 2,132.56ozs. These crushings were put through the Hawk's Nest battery, which was some time ago purchased by the company. It consists of 10 stamps, and will be removed and re-erected on the "Augusta" almost immediately. The tailings assay 8dwts. A main 10 feet x 4 feet vertical shaft has been commenced, and is now down 80 feet. It will, if the vein keeps a true underlay, intersect it at about 400 feet. The water is fresh and no scarcity is anticipated. This mine is a very promising one, and should before long add considerably to our gold output.

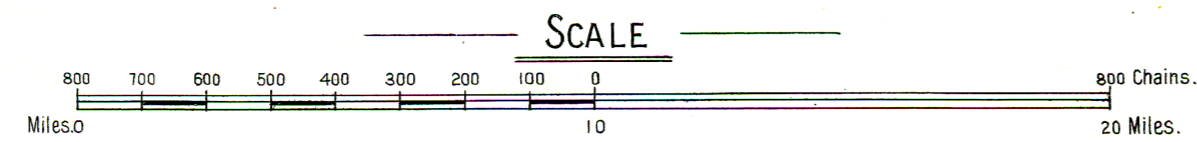
The *Craggiemore* is situated two and a-half miles South from Laverton, and contains 48 acres. There are two lodes running through it, but the great majority of the work has been confined to one only. Near this one a main vertical shaft, 10 feet x 4 feet, has been sunk to a depth of 212 feet. At the 100 feet level the reef has been intersected by means of a crosscut, and the lode exposed for 213 feet by driving. Its width is considerable, having been proved by crosscutting to be in places 65 feet, but only about eight feet, on the hanging-wall side, is being taken out, the remainder being of too low-grade value. Several other shafts have been put down to various depths, and the width and value of the lode proved by crosscutting. Water level is 160 feet. From the main shaft 40,000 gallons per day of fresh water is being pumped. At the 200 feet level the lode has been intersected from the main shaft, and driving commenced on it. It maintains its size and value. This lode is running in a North-North-West and South-South-East direction, and has a very slight dip to the East. The country rock is a jasperoid. The crushings to date are 1,235 tons for 560.88ozs. The tailings assay 8dwts. A 10-head battery is running on the property, and a cyanide plant is in course of erection. The owners are the Craggiemore Proprietary, Limited. This mine is, without doubt, a large low-grade proposition, which, if economically and carefully managed, should in time be capable of paying handsome profits.

The *Lancefield* contains 24 acres, and is situated seven miles North-North-West from Laverton. The reef is a magnificent one, and consists of a clean, free-milling, blue quartz, carrying a small percentage of sulphides. The gold is extremely fine, and evenly distributed through the stone. The country rock is a micaceous schist. One shaft has been sunk on the underlay of the reef to a depth of 107 feet, from which, at 90 feet, the vein has been exposed for a distance of 170 feet. The average width through this drive, determined by crosscuts, is about 15 feet. To 31st December last 6,110 tons had been crushed, for a return of 2,285.43ozs. The tailings assay 7dwts. The property is owned by a local syndicate, and is being worked at a profit. This fact is interesting, as showing that in this district, with a battery extraction, from a 10-head mill, of about $7\frac{1}{2}$ dwts. per ton, a mine, with free-milling ore and a good water supply, can be worked at a profit. The loss in the tailings is accounted for by the fact that the gold is extremely fine, and does not lend itself to amalgamation. The benefit is gained in cyaniding, as less leaching is required. The mill is a 10-head Sandicroft. A small cyanide plant was erected towards the end of the year, and is giving good results.

The *Ida H*, a 24-acre lease, situated six miles South-East from Laverton, is a very good surface show, and gives every promise of developing into a good mine. The crushings to 31st December were 81 tons for 263.62ozs. taken from an open cut.

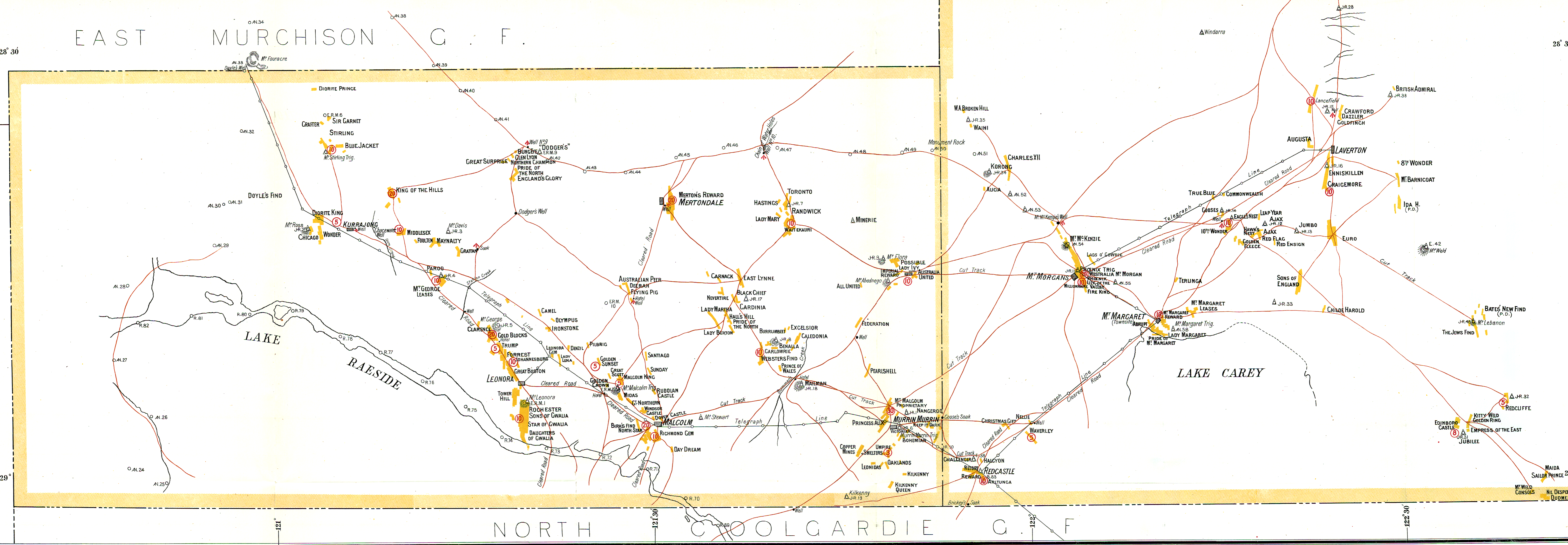
The *Euro* lies in a South-South-Easterly direction from Laverton, from which place it is distant $7\frac{1}{2}$ miles. It comprises an area of 118 acres, and has three known reefs running through it. The main workings have been confined to one only. On this a considerable amount of development work has been done lately by Mr. G. W. Hall, who purchased it from the prospectors who took it up after the W. A. Goldfields, Limited, had abandoned it. It was formerly known as Quartz Hill. Three shafts have been sunk on what at present appears to be the best vein, and to which the prospectors confined their work. These shafts have been connected at 60 feet. The main shaft is an incline, 13 feet 6 inches by 5 feet, clear of timber, and is divided into the usual three compartments, and sunk on the footwall of the reef, which dips at an angle of 58 degrees. At 60 feet on the underlay the reef has been exposed for a distance of 543 feet, and, by means of crosscuts, its width has been ascertained to average about 10 feet. At 164 feet, 250 feet have been driven along its course, and the width here varies from 10 feet to 30 feet. The length of pay chute has been proved at 164 feet by means of other shafts to exceed 400 feet, and still exists both North and South. The main shaft is down 210 feet, and is in payable ore. The

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



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

*NOTE—Roads shown as "Cut Tracks" are Private Work
 " " " Cleared Roads are Government Work
 Gov. Wells are shown thus ↑
 Batteries erected & No. of Stamps employed shown thus ⑩*



character of the lode is quartz and intrusive schist ore formations, the quartz portions being very much the richer. There is every indication that it will develop into a big quartz vein at depth. The assay value of the ore at the No. 1 level is 14dwts., and at the No. 2 24dwts. The water shaft is 228 feet deep, and has an abundant supply of good, fresh water. A 20-head Fraser and Chalmers' mill, of 1,000lb. stampers, is being erected at date of writing this report; also a 20-head rock-drill duplex plant, rock-breakers, and a cyanide plant, to treat the concentrates and sands leaving the slimes, if good enough to be treated subsequently by filter presses. The battery engine is capable of driving 80 stamps, which it is the present intention of reaching by additions of 20 at a time, as developments warrant it. The winding plant is a 50-horse power Tangye, capable of hauling from a depth of 1,500 feet.

This mine is being handled with the object of insuring the production of gold at the lowest possible cost, so that low-grade ore may be treated at a profit. Nature itself has considerably assisted in the attainment of this object, for the length of chute is such that the main shaft was enabled to be sunk on the top of a hill, and by having poppet legs 65 feet high, which have been erected, the ore will travel automatically to the rock-breakers, bins, stamper-boxes, concentrators, and cyanide vats, and leaving sufficient fall below for handling the residues and slimes. There are about 95 men at present employed on this mine. During 1898 the prospectors crushed 338 tons for a return of 691.55ozs.

MOUNT WELD.

A great number of leases were taken up by prospectors at a new find made during the year in the vicinity of Mount Weld, several of which are extremely rich on the surface, but sufficient work has not been done as yet on any of them to warrant anyone in forming an opinion as to the character or permanency of the deposits. The deepest shaft at the end of the year was only 40 feet, and hardly any driving had been done. From one lease 35 tons were crushed for a return of 210 ounces. The veins, in the majority of instances, are small, many averaging only 1 foot to 18 inches in width. They should, however, prove good prospectors' shows. These leases lie 20 miles South-East from Laverton. Water level is at 80 feet, but, though good for stock, it is too brackish for human consumption. The country is so far, a soft schist. Six miles South-East from this new find is situated the Sailor Prince, a lease of 12 acres. The reef on it averages in width from 4 to 5 feet. Several shafts have been sunk to depths ranging from 80 to 122 feet, and the vein has been driven on at 80 feet for a distance of 120 feet; 1,041 tons crushed, to 31st December, at a 5-head battery on the Mount Weld lease adjoining, gave a return of 1,627.21ozs. Water level in this locality is 140 feet, and is brackish. The country rock is schist.

The Edinboro' Castle, The Golden Ring, and several other leases are situated about 6 miles in a South-Westerly direction from the Sailor Prince. These are all still in the hands of prospectors. On the Edinboro' Castle an 8-head battery has been erected, and during the year 126 tons have been treated for a return of 302.29ozs.

THE EARLSTON.

There are a good many prospecting shows in this centre, but none of them have, so far, passed into the hands of companies. The most important property is the Mistake, which consists of 48 acres, and is situated about 50 miles North of Laverton. Three quartz reefs run through the North block, but two of them junction at a point some 4 chains South of the boundary line separating the two blocks. This is said to be a good low-grade property, and is owned by a party of prospectors. In the hands of a substantial company it should soon develop into a big mine. The reefs are a fair size, and would give a return of quite 12dwts. Gold can be traced for a considerable length on the surface. At present a 5-head battery is running, but this power is altogether inadequate to enable the property to be worked at a profit.

Some 25 miles further North several other leases are being worked. Here also gold can be traced for a considerable length on the surface, and, though no decided opinion can be formed from the amount of development work done at present, it is only natural to expect that payable chutes exist and that they will be discovered sooner or later.

The declared townsites in the Mount Margaret District are Mount Morgans and Mount Margaret.

Mount Morgans townsite was declared on 22nd December. The lots are at present held as business and residence areas, and the holders, if they have complied with the provisions as regards building and occupation, will be allowed, at the end of 12 months, to purchase them under Section 30 of "The Goldfields Act, 1895." Some very good buildings have been erected in this township, notably the National Bank premises, Allanson's shop, and two hotels. Allanson's shop and one of the hotels are built of burnt bricks. A very large and comfortably-arranged hotel is at present being erected of burnt bricks, and a provisional certificate has been granted for a fourth. There will, therefore, in a very short time be far more substantial and conveniently-arranged hotels here than in any other town on this field. The promising character of the mines immediately around this townsite (it being situated only half a mile from the Westralia Mount Morgans and Guest's) should give to it an assured future. Two police constables are stationed here, and a lock-up is to be constructed almost immediately. A Post and Telegraph Office has been erected, and a Savings Bank and Money Order Office should as soon as possible be established in conjunction with it. A Hospital will be established here during the early part of 1900. A Health Board exists. The population numbers 300 males and 95 females.

Laverton is situated 22 miles North-East from Mount Morgans, and was laid out in February as business and residence areas. It has not yet been declared a townsite, but this will be done almost immediately. The owners of the allotments at present held as areas will be allowed, as in the case of Mount Morgans, the right of purchase at the upset price in accordance with Section 30 of "The Goldfields Act, 1895." This is the most centrally-situated town in this district; and, in consequence, the Warden's Court and offices were removed here from Mount Margaret during October, and tenders are now being called for permanent buildings. The Post and Telegraph Offices were also removed from Mount Margaret in September, and a Money Order Office was opened on 1st December, and a Savings Bank on 1st

January of the present year. There was only one hotel erected in this township at the end of the year, but provisional certificates for two others were granted at the December Court. A branch of the Western Australian Bank was opened during the year. The Hospital was removed from Mount Margaret to this township towards the end of the year. The admissions during the year numbered 129, of which number 23 were suffering from typhoid fever. There were six deaths, four of which were from typhoid. Twenty-five of the patients admitted were indigents. The population on 31st December was 102 males and 25 females.

Mount Margaret township has been deserted, and no one is now residing there. This was brought about by the abandonment of all the leases in its immediate vicinity, as none of them were proved to be any good.

GENERAL REMARKS.

In conclusion, it is my privilege to report that the progress which this field is making is as satisfactory as its best well-wisher could desire, and I look forward with pleasure and pride to the advancement which I shall be able to record in my next report. The population of the whole field at the end of last year was 4,175, consisting of 3,540 males and 635 females. This is an increase for the year of 2,450 persons, the population on 31st December, 1898, being only 1,725. Of this most substantial increase the Mount Malcolm district contributed 1,489 and the Mount Margaret district 961. (*See* Schedule F.)

Several pastoral leases were granted during the year, but very few have as yet been stocked.

Tables A to M attached to this report give various statistics for the years 1898 and 1899, illustrating the progress of this goldfield.

A locality plan is also attached to this report, showing positions of the principal leases, roads, batteries, townsites, Government wells, etc., and should prove instructive, useful, and interesting.

Before bringing this report to a close, I must place on record my high appreciation of the valuable and ready assistance which has at all times been rendered me by every officer of the department over which I have control. The care and interest they one and all take in their work, and their courtesy and desire to assist the public, deserve this recognition.

ARCHD. E. BURT,
Warden Mount Margaret Goldfield.

Malcolm, 9th April, 1900.

TABLE A.

MOUNT MALCOLM DISTRICT.

	1897.	1898.	1899.
Number of G.M. Leases applied for	58	136	140
Area of Leases applied for, in acres	900	2,254	2,249
Number of G.M. Leases abandoned, forfeited, voided, and not since re-applied for	32	73	10
Number of G.M. Leases abandoned, forfeited, voided, and since re-applied for	7	11	4
Number of G.M. Leases refused	3	...	1
" G.M. Leases in force on December 31 ...	174	193	206
Area of G.M. Leases in force on December 31, in acres	3,172	3,523	3,885
Miners employed on Leases on December 31, in each year	550	650	994
Number of Water Rights applied for	13	19	13
Area of " " in acres ...	37	682	38
Number of " " in force on December 31 ...	11	11	13
Area of " " " " "	31	665	38
Number of Residence Areas applied for	28	...	2
" " " in force on Dec. 31 ...	13	...	...
" Business Areas applied for	109	14	19
" " in force on Dec. 31 ...	7	7	8
" Machine Areas applied for	2	1	2
" " in force on Dec. 31 ...	2	1	...
" Tailings Areas applied for ... ..	...	...	1
" " in force on Dec. 31 ...	...	...	1
" Garden Areas applied for	2	1	6
" " in force on Dec. 31 ...	2	1	6
Claims applied for ... ..	...	15	28
Protection Areas applied for	3	16	22
Business Licenses issued	43	47	59
Miners' Rights issued	237	555	533
Number of Mineral Leases applied for	1	...	6
Area of Mineral Leases applied for	40	...	198
Number of Mineral Leases in force on Dec. 31 ...	...	...	6
Average number of Miners employed on Mineral Leases	...	6	30
Area of Mineral Leases in force on Dec. 31 ...	...	...	198
Number of Mining Licenses issued ... ..	...	2	7

TABLE B.
MOUNT MARGARET DISTRICT.

	1897.	1898.	1899.
Number of Leases applied for	89	56	225
Area of Leases applied for, in acres	1,844	887	4,283
Number of Leases abandoned, forfeited, and voided, and not since re-applied for	63	14	6
Number of Leases abandoned, forfeited, and voided, and since re-applied for	13	15	2
Number of Leases refused ... ..	...	1	5
" Leases in force on December 31	69	66	88
Area of Leases in force on December 31, in acres ...	1,335	1,215	1,634
Miners employed on Leases on Dec. 31 in each (Above year) Below	...	270	{ 267 245
Number of Water Rights applied for	12	6	20
Area of Water Rights applied for, in acres	45	20	156
Number of Water Rights in force on Dec. 31	8	6	15
Area of Water Rights in force on December 31 ...	17	20	109
Number of Residence Areas applied for	9	Nil	70
" " in force on Dec. 31	Nil	Nil	62
" Business Areas applied for	11	14	106
" " in force on Dec. 31	4	3	49
" Machine Areas applied for	1	4	...
" " in force on Dec. 31	1	3	...
" Tailings Areas applied for	1	...	3
" " in force on Dec. 31	1	...	3
" Garden Areas applied for ... ..	...	...	...
" " in force on Dec. 31 ... ..	...	...	...
Claims applied for	2	2	2
Protection Areas applied for	7	14	27
Business Licenses issued	91	15	62
Miners' Rights issued	331	198	419
Number of Mineral Leases applied for ... ..	...	...	2
Area of " " ... ..	...	...	7
Number of Mineral Leases in force on Dec. 31 ...	...	...	2
Average number of Miners employed on Mineral Leases	...	...	...
Area of Mineral Leases in force on Dec. 31 ... ..	...	...	...
Number of Mining Licenses issued ... ..	...	...	...

TABLE C.

Table showing Number, Description and Area of Mineral Leases in force on 31st
December, 1898, and 31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area.
		1898.	1899.	1898.
Copper	Mount Malcolm	2	*Nil	acres. 60

* Six applied for.

TABLE D.

* List of Ore Reduction Plants at end of Year 1899.

District.	Number of Stamps erected on 31st December.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Mount Malcolm	133	198	...	...	£ 68,550	£ 101,366
Mount Margaret	20	101	...	...	8,220	33,335
Total	153	299	...	...	76,770	134,701

The value of machinery given does not include that of new plants in course of erection.

* For details see Mining Statistics.

TABLE E.
Particulars of Mining Accidents during 1898-9.

	1898.	1899.
Injured	6	4
Killed	1	6
Total	7	10

For details see Gold Mining Statistics.

TABLE F.
Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

District, including Towns.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898	1899.		
Mount Malcolm	1,136	2,305	114	434	1,250	2,739	1,489	
Mount Margaret	450	1,235	25	201	475	1,436	961	
Total	1,586	3,540	139	635	1,725	4,175	2,450	

Showing Population of each Town.

Malcolm	150	305	23	94	173	399	226	
Leonora	140	282	35	53	175	335	160	
Kurrajong	25	25	3	6	28	31	3	
Murrin Murrin	7	10	2	7	9	17	8	
Mount Morgans ... ..	...	300	...	95	...	395	395	
Laverton ... ..	...	102	...	25	...	127	127	
Mount Margaret	40	...	13	...	53	...	...	53
Total	362	1,024	76	280	438	1,304	919	53

TABLE G.
Classification of Mining Revenue, 1898-9.

	Year 1898.	Year 1899.
MOUNT MALCOLM DISTRICT.		
Lease Rental under Goldfields Act	£ s. d. 3,501 14 0	£ s. d. 3,961 9 0
Other sources under Goldfields Act	831 15 6	877 4 9
Lease Rental under Mineral Lands Act... ..	19 0 0	19 5 0
Other sources under Mineral Lands Act ... ..	...	6 17 6
Exemption Fees	320 5 0	339 5 0
Receipts from Public Batteries ... ..	...	1,603 17 0
Receipts under Boilers Act ... ..	...	109 0 0
Fees—Examination of Engine-drivers	46 0 0	40 0 0
Survey Fees (Leases, Areas, etc.)	1,067 10 0	1,097 10 0
Receipts from all other sources	2 1 0	7 17 0
Total Mining Revenue	5,788 5 6	8,062 5 3
MOUNT MARGARET DISTRICT.		
Lease Rental under Goldfields Act	1,355 12 0	2,992 3 0
Other sources under Goldfields Act	357 6 6	1,008 6 6
Lease Rental under Mineral Lands Act... ..	11 0 0	1 15 0
Other sources under Mineral Lands Act ... ..	...	...
Exemption Fees	146 3 0	162 15 0
Receipts from Public Batteries ... ..	...	...
Receipts under Boilers Act ... ..	...	...
Fees—Examination of Engine-drivers ... ..	...	...
Survey Fees (Leases, Areas, etc.)	431 10 0	2,194 16 0
Receipts from all other sources	0 6 0	1 10 6
Total Mining Revenue	2,301 17 6	6,363 6 0

TABLE H.

Average Number of Miners employed during 1899.

District.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Mount Malcolm	618	874	35	20	653	894
Mount Margaret	360	441	56	40	416	481
Total	978	1,315	91	60	1,069	1,375

NOTE.—The above return includes only miners, and not woodcutters, carters, and other men employed in connection with each mine.

TABLE I.

Water Supply during Year 1899.

DISTRICT.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	RAINFALL.
Mount Malcolm	None, except near Lakes	50 to 100 feet ...	None	9·52
Mount Margaret	Do.	70 to 130 feet ...	None	9·20

TABLE J.

Ruling Rates of Wages during 1899 throughout the Goldfield.

	Per week. £ s. d.		Per week. £ s. d.
Miners above ground	3 10 0	Mechanics	4 10 0
Miners below ground	4 0 0	Carpenters	4 10 0
Miners, wet ground	4 10 0	Labourers	3 10 0
Engine-drivers	4 10 0		

TABLE K.

Yield of Gold for Year ending 1899.

District.	Tons crushed. 1899.	Return in ozs. 1899.	Alluvial. 1899.	Specimens, if any. 1899.	Total yield. 1899.	Total yield. 1898.
	tons.	ozs.	ozs.	ozs.	ozs.	ozs.
Mt. Malcolm	57,373·35	54,837·85	307·53	443·83	55,589·21	42,877·64
Mt. Margaret	18,213·00	24,139·64	37·53	157·35	24,334·52	6,840·13
Total	75,586·35	78,977·49	345·06	601·18	79,923·73	49,717·77

For details, etc., see Mining Statistics.

TABLE L.

	Mount Margaret.			Mount Malcolm.			Totals.		
	1897.	1898.	1899.	1897.	1898.	1899.	1897.	1898.	1899.
No. of Public General Licenses	4	3	3	10	11	11	14	14	14
No. of Wayside House Licenses ... ..	...	1	...	3	3	4	3	4	4
No. of Eating and Boarding House Licenses ... ..	...	...	4	1	3	5	1	3	9
No. of Spirit Merchants' Licenses ... ..	...	...	4	3	5	7	3	5	11
No. of Billiard Table Licenses ... ..	...	...	2	...	1	5	...	1	7
No. of Gallon Licenses	2	2	2	...	...	3	2	2	5
No. of Auctioneers' Licenses	1	...	2	2	4	1	3	4	3
Warden's Court Cases, Plaints	58	45	54	61	67	69	119	112	123
Warden's Court Cases, Exemptions	55	45	41	131	123	114	186	168	155
Local Court Cases ... ..	...	...	1	13	42	68	13	42	69
Police Court Cases ... ..	...	19	61	25	69	127	25	88	188
Rainfall, in inches	2·50	5·63	9·20	3·00	4·24	9·52	...	...	...

TABLE M.

	1897.	1898.	1899.
Births	3	8	21
Marriages	2	4	6
Deaths	6	20	24

Warden's Report on the Murchison Goldfield for the year 1899.

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

SIR,

I have the honour to hand you, for the information of the Honourable the Minister for Mines, my General Report on the Murchison Goldfield for the year 1899.

1. The year under review has been rather an uneventful one, but I am happy to be able to say that the mining industry throughout the entire district has advanced during the year; and, while it is to be regretted that deeper sinking than 300ft., except in three or four instances, has not been attained, still a decidedly hopeful tone prevails throughout the mining community, the successful results of their operations justifying a feeling of confidence and security—a state of things eminently satisfactory to all concerned.

2. A very complete set of tables, forwarded herewith—12 in all—has been prepared, and these give all detailed information connected with the district, together with comparisons between the years 1898 and 1899. By a perusal of them it will be seen how favourably the year 1899 compares with previous ones, and what advance has been made.

3. I take a few items from the tables, as being worthy of special reference. For instance, the total number of tons of ore crushed during 1899 was 66,697, and this ore yielded the good return of 77,505ozs. of gold, valued at from £3 17s. 6d. to £4 per oz. This gives a general average value of ore for the whole goldfields as 1·16ozs., equal to 1oz. 3dwt. 7grs. per ton, the lowest being for the Mount Magnet District with 83ozs. (= 16dws. 15grs.) for 27,695 tons crushed; and the highest being from the Day Dawn District, with 2ozs. for 5,979 tons crushed. Besides this, there were 2,845ozs. of gold obtained by dollying, and 199ozs. from alluvial, making the total gold production for the year 80,549ozs.

4. To obtain the 77,505ozs. treated gold, the average number of miners employed was 1,392, which gives the number of ounces obtained per miner employed as 55 $\frac{2}{3}$.

5. A disturbance in the labour market occurred during the year, one of the mining companies endeavouring to reduce the ruling rate of wage. The men, however, resisted any reduction, and went out on strike; but, after some concessions had been made by the company, the men resumed work.

6. The two public crushing plants erected by the Department during the year—one at Tuckanarra and one at Lennonville—have been doing good work, and proving a boon to the general miners who hold and work their own properties.

7. In conclusion, I must express the opinion that the Murchison field has probably seen its worst days, that it now relies solely on its own merits, not bolstered up by any extraneous influences, and that, in spite of depression and disfavour, it will prove itself worthy of development at greater depth, and of closer attention than it has ever received before.

8. Finally, I wish to place on record my appreciation of the good services rendered by the various officials stationed throughout this extensive district.

I have, etc.,

E. P. DOWLEY,

Warden's Office, Cue, 28th April, 1900.

Warden Murchison Goldfield.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	136	173
Area of Gold Mining Leases applied for, in acres	1278	1602
Number of Gold Mining Leases abandoned, surrendered, or forfeited	172	180
Number of Gold Mining Leases refused	2	5
Number of Gold Mining Leases in force	364	351
Area of Gold Mining Leases in force	3662	3445
Number of Water Rights in force	60	69
Area of Water Rights in force	138	164
Number of Quartz Claims in force	132	135
Number of Alluvial Claims in force	4	5
Number of Protection Areas in force	44	103
Number of Residence Areas in force	118	131
Number of Business Areas in force	66	88
Number of Machine Areas in force	8	11
Number of Tailings Areas in force	10	14
Number of Garden Areas in force	18	22
Number of Miners' Rights issued during	1218	1019
Number of Business Licenses issued during	70	72

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	1	...
Area of Mineral Leases applied for, in acres	15	...
Number of Mineral Leases abandoned, surrendered, or forfeited	1	1
Number of Mineral Leases refused ... ..	...	1
Number of Mineral Leases in force	1	1
Area of Mineral Leases in force, in acres	5	5
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force, in acres ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	...
Number of Residence Areas in force ... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Mining Licenses issued during	2	9
Number of Quarry Licenses issued during	21	12
Number of Business Licenses issued during ... ..	...	...

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area, in Acres.	
		1898.	1899.	1898.	1899.
Earth for bricks and lime ...	Mt. Magnet ...	1	1	5	5
	Total ...	1	1	5	5

TABLE D.
List of Ore Reduction Plants at end of Year 1899

District.	Number of Stamps erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
					£	£
Cue	165	145	...	...	64,561	42,715
Nannine	128	163	...	...	58,845	72,668
Day Dawn	115	95	...	...	44,300	30,037
Mt. Magnet	80	105	...	...	44,585	52,483
Total	488	508	...	...	212,291	197,903

TABLE E.
Particulars of Mining Accidents during 1898-9.

	1898.	1899.
Injured	11	9
Killed	5	3

TABLE F.
Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Cue	820	900	316	342	1,136	1,242	106	
Nannine	700	895	70	110	770	1,005	235	
Day Dawn	406	480	86	156	492	636	144	
Mt. Magnet	1,038	898	280	290	1,318	1,188	...	130
Total	2,964	3,173	752	898	3,716	4,071	355	

TABLE G.
Mining Revenue, 1898-9.

	District.	Year 1898.		Year 1899.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act	Murchison ...	3,688	8 0	3,556	13 0
Other sources under Goldfields Act	Do. ...	1,761	7 6	1,443	12 6
Lease Rental under Mineral Lands Act	Do. ...	3	2 6	1	6 0
Other sources under Mineral Lands Act	Do. ...	11	0 0	5	3 0
Exemption Fees	Do. ...	779	3 0	716	8 0
Receipts from Public Batteries	Do. ...	...	...	1,760	12 3
Receipts under Boilers Act	Do. ...	...	...	180	0 0
Fees—Examination of Engine-drivers	Do. ...	130	2 6	79	10 0
Survey Fees (Leases, Areas, etc.)	Do. ...	708	15 8	1,035	10 0
Receipts from all other Sources	Do. ...	11	4 6	9	18 3
Total Mining Revenue ... ..	...	7,093	3 8	8,788	13 0

TABLE H.
Average Number of Miners employed during 1899.

District.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Cue	236	247	10	12	246	259
Nannine	258	409	72	33	330	442
Day Dawn	161	175	27	30	188	205
Mt. Magnet	499	561	26	16	525	577
Total	1,154	1,392	135	91	1,289	1,483

TABLE I.
Water Supply during Year 1899.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks, Number and Contents.	Rainfall.
Cue	10 to 100ft.	10 to 100ft.	None	3½ in.
Nannine	10 to 100ft.	10 to 100ft.	None	2 in.
Day Dawn	10 to 100ft.	10 to 100ft.	None	3½ in.
Mt. Magnet	10 to 100ft.	10 to 100ft.	None	4 in.

TABLE J.
Ruling Rates of Wages during 1899.

	per week,	£	s.	d.
Miners above ground		3	5	0
Miners below ground (dry)		3	15	0
Miners, wet ground		4	0	0
Engine-drivers		4	0	0
Mechanics		4	0	0
Carpenters		4	0	0
Labourers		3	0	0

TABLE K.
Yield of Gold for Year ending 1899.

District.	Tons crushed.	Return in ozs.	Alluvial.	Dolled and Specimens (if any).	Total yield.		Average per ton in ozs. exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Cue	17,058	20,527	46	123	24,012	20,696	·73	1·20
Nannine	15,965	21,851	2	1,164	23,489	23,017	·91	1·36
Day Dawn	5,979	11,988	63	948	13,906	12,999	1·19	2·00
Mt. Magnet	27,695	23,139	88	610	17,849	23,837	·75	·83
Total	66,697	77,505	199	2,845	79,256	80,549	·84	1·16

TABLE L.
Applications for Leases, etc., under the Sluicing and Dredging for Gold Act.

	Year 1898.	Year 1899.
Number of Leases applied for	2
Area of Leases applied for, in acres	1280

*Warden's Report on the North-East Coolgardie Goldfield for the year 1899.**To the Under Secretary for Mines, Perth.*

SIR,

Kanowna, 2nd May, 1900.

I have the honour to report as follows on the North-East Coolgardie Goldfield, for the year ending 31st December, 1899, for the information of the Honourable the Minister for Mines:—

2. This goldfield was proclaimed on the 19th February, 1896; the boundaries were altered on the 13th November in the same year. The present area of the goldfield is, approximately, 21,542 square miles, and it is divided into three districts—namely, Kanowna, Bulong, and Kurnalpi. Kanowna is the chief town of the goldfield, and the Warden and principal public offices are located there. A branch railway line connects the town with Kalgoorlie and the railway system of the Colony. During 1898 Kanowna rose to considerable prominence, on account of the large quantity of alluvial gold won from its deep leads. I regret to say that during the present year these leads have been nearly exhausted, and a great reduction in the yield of gold has occurred. So far as is known, nothing remains of the alluvial deposits except low-grade material and clay, or pug. The latter cannot be profitably treated by any available process. Several experiments by different methods have been made during the year with a view to solve the question of extracting gold from this material, but without success. The failure of the alluvial deposits caused a large exodus of the population to other goldfields, and struck a serious blow to business generally; numerous shops have become tenantless, and a goodly number of houses have been removed bodily to Kalgoorlie and the Boulder.

3. Many of the alluvial miners working claims in the North Lead, Kanowna, applied for and obtained Gold Mining Leases of land, including their claims, on the grounds that they had discovered auriferous lode formations underlying the alluvial deposits; and that, owing to the depth, wetness, and cost of timbering the shafts, they were unable to develop the lodes; further, that men of means would not invest their money in such small holdings as claims. However, the investor has not been induced to invest his money in the leases; consequently, very little practical work is being done towards settling the question as to the existence of the lodes or their value.

4. Several companies have carried on steady and *bonâ fide* work during the year. I would specially mention the White Feather Main Reefs, Limited; the Lily Australis Gold Mines; the Ballarat and Prince Oscar Gold Mines; the Waldon's Find Gold Mines; the Kanowna Champion Lode Gold Mining Company, Limited; the London and Coolgardie Explorers, Limited; the Golden Valley Gold Mines, Limited; and the South Gippsland. In addition to these, the Shamrock Gold Mining Company and the Robinson Gold Mining Company have kept their batteries busily employed in crushing ore for the public. The White Feather Main Reefs is the premier mine of the goldfield. Upwards of 100 men are employed constantly, and dividends are being paid to the shareholders.

5. The population of the Kanowna District at the end of the year was approximately 2,100.

BULONG DISTRICT.

6. The only occupied town in this district is Bulong, which had a population of about 300 at the end of the year. The total population of the district is roughly estimated at 960. A Mining Registrar is stationed at Bulong, where a Warden's Court is held weekly. There is also a Local Court held monthly. The principal mine of the district is the Queen Margaret Gold Mining Company's property. During the year this company employed about 120 men constantly (excepting for a short time, when some hands were discharged owing to the drives and shaft getting flooded). There is a costly mining plant in use, including 20 head of stamps. A large amount of development work has been done, and a considerable quantity of ore crushed, for an average yield of 1oz. 1dwt. of gold per ton. The White Horse G.M. Company, the Slug Hill Proprietary Gold Mines, N.L., and some other companies hold properties which have good prospects before them. During the early part of the year the Mines Department started a 20-head battery to crush ore for the public; but, unfortunately, the supply of ore proved insufficient, and the battery was closed down. A private battery, which was erected in a more convenient position for the alluvial miners, secured a large quantity of ore for treatment. As was the case at Kanowna, the deep leads near Bulong became exhausted, or too poor to work. However, the discovery of alluvial gold at Taurus and at Hogan's Find provided a large number of miners with profitable employment. At the last-mentioned place a great deal of gold has been obtained, but as the greater part of it was disposed of at Kalgoorlie, I have not been able to get an account of the total quantity of gold taken from the workings. From reports furnished by the police, I find that 3,560ozs. are accounted for. As will be seen by reference to Table marked "L." a good number of large nuggets are included in this quantity.

KURNALPI DISTRICT.

7. During the year very little work has been done on the leases, but at Mulgabbie, about 36 miles North-East of Kurnalpi, a good deal of alluvial gold was obtained, and from 60 to 100 men were working there. A man named John Simmonds discovered a piece of pure gold which weighed 168oz. At the end of 1898 the office of the Mining Registrar at Kurnalpi was closed; but, to lessen inconvenience to the community as much as possible, arrangements were made for the local Postmaster to receive applications and issue Miners' Rights and Business Licenses. All other business connected with mining has to be transacted at the Warden's or Mining Registrar's office, Bulong.

The average rainfall over the whole goldfield for the year was about 6 inches 50 points.

GENERAL REMARKS.

8. Notwithstanding the falling-off in the yield of alluvial gold for the year, the future of the goldfield is regarded by the best men, and those who have the most practical knowledge of it, as being very satisfactory. It is my own opinion that the State has a valuable asset in this field, and that all that is necessary is capital to develop its resources.

In conclusion, I wish to express my sincere thanks to the members of my staff for the assistance they have rendered me in the discharge of my duties, and I would specially thank Mr. Geo. F. Schloo, Mining Registrar, Kanowna, for the efficient and zealous manner in which he has discharged the heavy and important duties of his office, and for his loyal and valuable assistance to myself. I also have to thank the mine managers for their courtesy in furnishing reports on their respective mines, and Corporal Purkiss for reports on "Hogan's" Find.

I am, etc.,

P. TROY,

Warden.

*A List of Gold Nuggets found in the North-East Coolgardie
Goldfield during the Year 1899.*

Kanowna District	None reported	ozs. dwts. grs.		
Kurnalpi	168	0	0	0
"Hogan's Find," situated about 30 miles South of Bulong	6	0	0	0
Do.	3	0	0	0
Do.	11	0	0	0
Do.	4	0	0	0
Do.	8	10	0	0
Do.	3	10	0	0
Do.	5	0	0	0
Do.	31	0	0	0
Do.	8	0	0	0
Do.	7	0	0	0
Do.	10	0	0	0
Do.	5	0	0	0
Do.	15	0	0	0
Do.	8	0	0	0
Do.	6	0	0	0
Do.	30	0	0	0
Do.	6	0	0	0
Do.	5	0	0	0
Do.	11	0	0	0
Do.	7	0	0	0
Do.	5	0	0	0
Do.	24	0	0	0
Do.	4	0	0	0
Do.	2	0	0	0
Do.	64	1	0	0
Do.	50	0	0	0
Do.	12	0	0	0
Do.	12	0	0	0
Do.	5	0	0	0
Do.	3	0	0	0
Do.	2	0	0	0
Do.	30	0	0	0
Do.	24	0	0	0
Do.	20	0	0	0
Do.	5	0	0	0
Do.	8	0	0	0
Do.	3	0	0	0
Do.	20	0	0	0
Do.	12	0	0	0
Do.	3	0	0	0
Do.	10	0	0	0
Do.	5	0	0	0
Do.	2	0	0	0
Do.	125	0	0	0
Do.	25	0	0	0
Do.	12	0	0	0
Do.	24	0	0	0
Do.	14	0	0	0
Do.	12	0	0	0
Do.	5	0	0	0
Do.	4	0	0	0
Total weight of Nuggets	894	1	0	0

As almost all the gold obtained at Hogan's Find and around that locality was disposed of at Kalgoorlie, I am unable to state the quantity; but the police, after inquiries made from time to time, report they received definite information that 3,560oz. were won, and many men declined to say what gold they had got.

Kanowna Warden's Court Business.

Number of Courts held	...	...	...	...	...	100
Duration	...	...	...	...	...	100 days
Cases heard and determined*	...	...	...	...	...	53
Aggregate amount awarded	...	...	...	...	...	£484 16s. 2d.
Aggregate amount of Costs awarded:	(1) Plaintiffs	...	...	...	...	£127 19s. 8d.
	(2) Defendants	...	...	...	...	£76 6s.
Fees paid to Bailiff	...	...	...	...	...	£109 2s.
Fees paid to Revenue	...	...	...	...	...	£34 4s.
Applications for Leases	...	...	...	...	...	...
Plaints for Forfeiture of Leases	...	...	...	...	...	...
Applications for Exemptions	...	...	...	...	...	...
Applications for Injunctions	...	...	...	...	...	...

* Excluding Applications for Leases, Forfeiture of Leases, etc.

REPORT ON LAST CHANCE AND FITZROY MINES.

Main Shaft.—Depth, 234ft.

Size of shaft, 10 x 4 in the clear, with three compartments. Water was struck at a depth of 120ft. from surface, and the supply is 3,500 gallons per diem.

Driving done at 50ft. level, 590ft.

Stoping done at 50ft level, 300ft. along the course of lode. Width of lode varies from 5ft to 15ft.

Driving done at 110ft. level, 540ft.

15ft. Stoping done at 110ft. level, 160ft. along the course of lode. Width of lode varies from 4ft. to 15ft. The ore obtained is oxidised lode material.

Driving done at 172ft. level, 119ft.

Driving done at 226ft. level, 120ft.

The ore obtained in these two levels is sulphide.

No. 1 West vertical shaft, depth 110ft.

No. 2 East vertical shaft, depth 120ft.

No. 3 underlay shaft sunk on course of lode 110ft.

No. 4 underlay shaft sunk on course of lode 50ft.

No. 5 underlay shaft sunk on course of lode 40ft.

No. 6 underlay shaft sunk on course of lode 50ft.

A winding engine is continuously engaged for hauling purposes; also a ten-head battery, Berdan pan, and condensers.

Crushing done during 1899.—The total amount crushed altogether for the year was 3,546 tons, which yielded 2,462ozs. 7dwts. 6grs. smelted gold.

REPORT ON HIT-OR-MISS MINE.

Sinking chiefly winzes; about 250ft., starting from 100ft. level.

Driving 170ft., partly at 100ft. level and at 170ft. level.

Rising from 170ft. and 100ft. level about 200ft.

Also small amount of stoping.

Water level, 100ft.; at present making from 170ft. level, about 20,000 gallons per day.

Deepest shaft, 250ft.

Nature of formation: Fairly soft schistose to depth of 150ft., thence hard rock.

Gold-bearing material of value very patchy.

About 470ozs. gold obtained, all by dolly.

REPORT ON KANOWNA CONSOLIDATED.

Sinking shaft, 10 x 4, 121ft., through clay schist, water level; shaft, 6 x 4, 140ft., decomposed diorite, water 10,000 gallons per 24 hours; shaft, 12 x 4, 70ft., porphyry and quartzite; shaft, 6 x 3, 113ft., diorite, no water.

Incline shaft, on vein 15in. wide, depth 140ft., 15dwt. grade; vertical shaft, 122ft., slate schist with iron bands; incline shaft, 170ft. on vein 18in. wide, grade 15dwt.; lode formation 5ft., grade 10dwt.; driven on this 350ft., gold in slate, iron, and quartz; incline shaft 135ft., on vein 9in., country rock, manganic iron, and slate schist.

REPORT ON SHAMROCK GOLD MINING COMPANY, LIMITED.

The total amount of sinking done on this property is 773ft., and of driving 238ft.

Water was first obtained at a depth of 75ft., and when a depth of 148ft. was reached, and the reef tapped at the 100ft. level, the supply had increased to fully 6,000 gallons daily. On continuing the shaft to a depth of 216ft., and tapping the reef at the 200ft. level, the supply reached about 90,000 gallons daily. This water is very salty and mineralised.

The nature of the country passed through to a depth of 180ft. was a species of decomposed sandstone; but at this depth the sandstone gave way to a hard blue diorite, carrying a good deal of pyrites. The reef at the surface averages 2½ft. wide, and carries a little gold on the hanging wall. At the 100ft. level the width is about 8ft., and, at the 200ft. level, about 15ft. wide; but the stone is practically barren of gold, and dish prospects yield no result, though by fire assay about 1dwt. per ton is obtainable. About 100ft. West of the reef is a lead formation running from 6 to 8ft. wide, and carrying a trace of gold on the surface. This was followed down on the underlay to water level, but the stone was practically barren all the way down. As this belt of country is apparently barren of gold, it was considered a waste of money exploiting the ground further, and, for some months past, no underground work has been done.

REPORT ON GOLDEN VALLEY MINES OF WESTERN AUSTRALIA, LIMITED.

The main shaft is 160 feet deep. The water level was reached at about 150 feet, and at present the shaft is making about 20,000 gallons every 24 hours.

There has been about 900 feet of driving done at different levels.

REPORT ON THE WHITE FEATHER MAIN REEF, LIMITED.

Main Shaft.—Depth, 398ft.; close timbered in three compartments, and fully equipped; country, hard diorite. No. 1 level is driven a total of 1,480ft.; No. 2 level is driven a total of 1,480ft.; No. 3 level is driven a total of 390ft. Average width of reef, 2ft. 6in.

Nature.—True fissure vein of mineralised laminated quartz.

Water.—Supply very plentiful, 30,000 gallons per day.

Mill (20 head) has crushed from 4th May, 1897, to 28th February, 1900, 25,553 tons, yielding 22,820ozs. 17dwts. 19grs.; cyanide, 14,346 tons, yielding 2,823ozs. 8dwts. 6grs.; total, 25,644ozs. 6dwts. 1gr.

Cost of mining and raising, 18s. 6d.; cost of milling, 7s. 1¼d.; cost of cyaniding, 3s. 9d.; total of 29s. 4¾d. per ton. Capital expenditure, £18,363; wages, £36,978 (to date, 31st January, 1900). Number of men employed, 118.

REPORT ON BONNIE CHARLIE GOLD MINE.

There are three shafts sunk on this property—one North of main shaft to a depth of 90ft., one South of main shaft to water level, 80ft. The main shaft is down to a depth of 130ft. There are two levels, the 70ft. and 130ft. levels. At the 130ft. level a crosscut is in 20ft., where the reef was struck. Driving is continued on the course of the reef for a distance of 200ft. A crushing was taken from the reef here, which only averaged 3dwt. to the ton. The reef is five feet wide, being heavily charged with pyrites. A good supply of water was obtained for battery purposes in this drive. At the 70ft. level driving has been done on the course of the reef for a distance of 400ft., which connects with North shaft, the reef along this drive averaging 3ft. Forty feet in from main shaft a winze has been sunk from the 70ft. level to the 130ft. on the course of the reef. In following the reef here the stone was poor, and nothing payable got.

REPORT ON LILY AUSTRALIS GOLD MINES.

There are eight shafts sunk on the property. No. 1 main shaft is 208ft. deep, size 10ft. x 4ft. in the clear, securely timbered, and divided into three compartments. The ground was easily worked to the 100ft. level, when extremely hard diorite came in, and has continued to the bottom. Water was first struck at 112ft., yielding 1,500 gallons per 24 hours, but when reef was cut at the 200ft. level the supply increased, and is now 6,000 gallons per 24 hours, and is very salt and dense, yielding from 60 to 65 per cent. when condensed.

Five other underlay shafts, each 110ft. deep; one 70ft., and one 35ft. deep; total amount of sinking, 863ft.

In main shaft the reef has been opened out at the 50ft., 110ft., and 200ft. levels. At 50ft. the reef has been driven on for 270ft., the quartz being 2ft. thick; average, 15dwt. per ton. The level at 110ft. has been driven 890ft. on course of lode, reef averaging 2ft. thick. In places there are complete blanks, although the walls continue well defined. These blanks are from 50ft. to 200ft. in length, and are a distinctive feature on this (the "McAuliffe's") line of lode; also another feature in the reef is that where it is widest it is richest.

At 200ft. level the lode has been driven on for 332ft., the reef averaging over 2ft. thick, and in places it is 4ft. wide, and is worth about 1oz. per ton.

422ft. of crosscuts have also been driven, connecting the main and Eastern reefs at the 100ft. and 200ft. levels.

The largest part of the work has been done on the main reef, but there is an Eastern parallel reef which looks very well, and has crushed over an ounce and a-half to the ton.

The machinery consists of winding, pumping, and condensing engines, with a 20-horse power semi-locomotive tubular boiler, and a 6in. Cornish draw-lift in shaft for raising the water.

Total No. of feet sunk ...	...	...	863 feet
Do. of levels driven ...	...	...	1,492 "
Do. crosscutting ...	...	...	422 "

REPORT ON QUEEN MARGARET MINE.

Number of tons crushed, 9,771 tons.

Yield, 10,235·31ozs.

Average per ton, 1·04ozs.

Number of feet sunk (including winzes), 1,363 feet.

Number of feet driven, 3,082 feet.

Average number of men employed, 120.

REPORT ON THE WHITE HORSE MINE.

Amount of ore crushed, three tons.

Yield therefrom, 235ozs.

Work done—20ft. sinking; 250ft. driving.

Average number of men employed, four; the most at any one time being eight.

During the year, four months' exemption was granted, and in October the company was reconstructed; since then they have been engaged in erecting winding plant and condenser.

REPORT ON SLUG HILL MINE.

Ore crushed.—In November 52 tons of wash was crushed, for a return of 116·79ozs., equal to 2·24ozs. per ton, which is the only crushing that has taken place during the year.

Men employed.—The greatest number during the year was 7, and the lowest number 4; average number, 6; and wages paid miners are £4 per week.

The lease was under exemption for nearly 6 months, owing to litigation.

Sinking and driving.—The sinking and driving done during the year amounts to: Sinking, 265ft. in various shafts; and driving and crosscutting, 526ft.

In conclusion.—It is the company's intention (although working the alluvial at present) to further prospect the lodes which exist.

REPORT ON THE ROBINSON GOLD MINES, LIMITED.

Sinking—total, 421ft.—Three shafts were put down on the Burster lease near the Western boundary to depths varying from 50 to 112ft. in search of alluvial, of which no indications were found; the ground passed through being firm quartz drift.

On the Bocktail Extended one shaft in felsite; no traces of gold.

The Diamond bore was used on the mine, 1,000ft. being bored. The greatest depth, 500ft., in very hard diorite.

The present water level, 170ft.; quantity, 15,000 to 20,000 gallons per day.

At the 200ft. level the reefs are large, but poor, in soft decomposed country.

Driving, 296ft. Work done at the 50ft. and 200ft. levels. Nothing payable being found.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
* KANOWNA DISTRICT.		
Number of Gold Mining Leases applied for	27	73
Area of Gold Mining Leases applied for, in acres	316	1018
Number of Gold Mining Leases abandoned, surrendered, or forfeited	120	60
Number of Gold Mining Leases refused	1	4
Number of Gold Mining Leases in force	119	125
Area of Gold Mining Leases in force, in acres	1643	1602
Number of Water Rights in force	23	17
Area of Water Rights in force, in acres	91	38
Number of Quartz Claims in force	14	34
Number of Alluvial Claims in force	190	221
Number of Protection Areas in force	28	47
Number of Residence Areas in force	73	8
Number of Business Areas in force	36	37
Number of Machine Areas in force	5	16
Number of Tailings Areas in force	...	5
Number of Garden Areas in force	1	2
Number of Miners' Rights issued during	3531	1100
Number of Business Licenses issued during	61	15
BULONG.		
Number of Gold Mining Leases applied for	23	46
Area of Gold Mining Leases applied for, in acres	303	574
Number of Gold Mining Leases abandoned, surrendered, or forfeited	83	38
Number of Gold Mining Leases refused	1	...
Number of Gold Mining Leases in force	60	59
Area of Gold Mining Leases in force, in acres	924	818
Number of Water Rights in force	11	16
Area of Water Rights in force, in acres	87	98
Number of Quartz Claims in force	...	7
Number of Alluvial Claims in force	20	31
Number of Protection Areas in force	5	10
Number of Residence Areas in force	94	67
Number of Business Areas in force	9	10
Number of Machine Areas in force	4	5
Number of Tailings Areas in force	2	2
Number of Garden Areas in force	...	...
Number of Miners' Rights issued during	683	407
Number of Business Licenses issued during	6	16
KURNALPI.		
Number of Gold Mining Leases applied for	6	4
Area of Gold Mining Leases applied for, in acres	66	60
Number of Gold Mining Leases abandoned, surrendered, or forfeited	45	27
Number of Gold Mining Leases refused	...	...
Number of Gold Mining Leases in force	32	8
Area of Gold Mining Leases in force, in acres	492	133
Number of Water Rights in force	9	6
Area of Water Rights in force, in acres	141	133
Number of Quartz Claims in force	1	5
Number of Alluvial Claims in force	...	2
Number of Protection Areas in force	5	7
Number of Residence Areas in force	4	4
Number of Business Areas in force	4	4
Number of Machine Areas in force	1	1
Number of Tailings Areas in force	...	...
Number of Garden Areas in force	...	...
Number of Miners' Rights issued during	161	67
Number of Business Licenses issued during	1	Included in Bulong

* In addition to the above, there were, on 31st December, 1898, 238 Residence Areas and 80 Business Areas, and on 31st December, 1899, 236 Residence Areas and 80 Business Areas held under Goldfields Act Registrations, and included within townships, but not sold.

TABLE B.
Application for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
KANOWNA DISTRICT.		
Number of Mineral Leases applied for	2	...
Area of Mineral Leases applied for, in acres	17	...
Number of Mineral Leases abandoned, surrendered, or forfeited
Number of Mineral Leases refused
Number of Mineral Leases in force	2	2
Area of Mineral Leases in force, in acres	9	17
Number of Water Rights in force
Area of Water Rights in force
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	2	2
Number of Quarry Licenses issued during	6	1
Number of Business Licenses issued during
BULONG.		
Number of Mineral Leases applied for
Area of Mineral Leases applied for, in acres
Number of Mineral Leases abandoned, surrendered, or forfeited	...	2
Number of Mineral Leases refused
Number of Mineral Leases in force
Area of Mineral Leases in force
Number of Water Rights in force
Area of Water Rights in force
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force	1	1
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	...	3
Number of Quarry Licenses issued during
Number of Business Licenses issued during

TABLE C.
Table Showing Number, Description and Area of Mineral Leases in force
31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area in Acres.	
		1898.	1899.	1898.	1899.
Building Stone ...	Kanowna ...	2	2	9	17
Total ...	...	2	2	9	17

TABLE D.
List of Ore Reduction Plants at end of 1899.

District.	Number of Stamps erected.		Number in course of erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Kanowna ...	185	191	...	...	£ 61,785	£ 70,293
Bulong ...	50	50	...	...	14,050	19,871
Kurnalpi ...	5	5	1 Tremain	Mill	1,905	1,250
Total ...	...	...	...	...	£77,740	£91,414

For details, see Mining Statistics.

TABLE E.

Particulars of Mining Accidents during 1898-9.

	1898.	1899.
Injured	4	8
Killed	2	3
Total	6	11

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Kanowna	4,089	1,676	1,022	419	5,111	2,095	...	3,016
Bulong	1,248	768	312	192	1,560	960	...	600
Kurnalpi	110	191	10	8	120	199	79	
Total	5,447	2,635	1,344	619	6,791	3,254	...	3,537

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.			Year 1899.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfield Act	North-East Coolgardie	3,137	12	0	2,592	2	0
Other sources under Goldfields Act		3,447	17	1	1,588	9	6
Lease Rental under Mineral Lands Act		2	7	6	4	5	0
Other sources under Mineral Lands Act		4	0	0	2	7	0
Exemption Fees		834	8	0	515	11	0
Receipts from Public Batteries ... ..		...	...	...	2,493	3	10
Receipts under Boilers Act ... ..		...	...	...	239	0	0
Fees—Examination of Engine-drivers ... ..		...	...	...	117	0	0
Survey Fees (Leases, Areas, etc.)		807	0	0	911	0	6
Receipts from all other sources		16	4	0	6	7	0
Total Mining Revenue ... ..	...	8,249	8	7	8,469	5	10

TABLE H.

Average Number of Miners employed during 1899.

District.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Kanowna	343	430	4,000	1,800	4,343	2,230
Bulong	224	240	800	360	1,024	600
Kurnalpi	62	48	70	75	132	123
Total	629	718	4,870	2,235	5,499	2,953

TABLE I.

Water Supply during Year 1899.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks. Number and Contents.	Rainfall.
Kanowna	110 feet.	Stock, 100ft.	(1) 3,000,000 gal.	6'25in.
Bulong	300 "	...	(1) 3,000,000 gal.	6'12in.
Kurnalpi	200 "	...	...	6'7in.

TABLE J.

Ruling Rates of Wages during 1899.

	per week	£	s.	d.
Miners above ground	3	10	0
Miners below ground	3	10	0 to £4.
Miners, wet ground	4	0	0
Engine-drivers	4	10	0 to £6.
Mechanics	4	0	0 to £6.
Carpenters	4	0	0 to £6.
Labourers	3	3	0

TABLE K.

** Yield of Gold for Year ending 1899.*

District.	Tons crushed.	Return in ozs.	Alluvial.	Specimens (if any).	Total yield.		Average per ton in oz., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Kanowna	64,224·70	57,978·50	19,462·29	633·22	152,645·47	78,074·01	1·25	·90
Bulong	18,140·60	18,320·22	11,091·88	1,015·65	15,755·55	30,427·75	1·26	1·01
Kurnalpi	351·00	350·06	3,973·63	...	2,040·71	4,323·69	·69	·99
Total	82,716·30	76,648·78	34,527·80	1,648·87	170,441·73	112,825·45	1·25	·92

* For details, see Mining Statistics.

*Warden's Report on Broad Arrow Goldfield—Report for 1899.**The Under Secretary for Mines, Perth.*

SIR,

For the information of the Honourable the Minister, I beg to forward Tables A to K inclusive, showing the position of this field for the year ending 31st December, 1899, as compared with previous year.

The gross revenue derived from all Departments is :—

	1899.	1898.	Decrease.
	£ s. d.	£ s. d.	£ s. d.
Mines	3,015 13 6	4,268 4 0	1,252 10 6
* Lands	591 14 6	1,700 10 10	1,108 16 4
* Treasury	1,291 17 2	2,385 6 0	1,093 8 10
* Excise	561 16 3	160 5 6	+ 401 10 9
	5,461 1 5	8,514 6 4	3,053 4 11

* Exclusive of Perth Office receipts. † Increase.

Decrease in Mining Revenue, £1,252 10s. 6d. Lease Rents mainly account for this, with a falling off of £614, and a decrease in acreage of 1,067.

In most instances smaller areas are taken up than formerly, but the payments of rent are more consistently kept up, and the leases are better manned.

This also explains in a great measure the reduction of £112 in Survey Fees.

Exemption Fees decreased £191, and General Revenue £280.

The decrease in Lands Department receipts arise from the prevailing depression and reluctance of residents to purchase lots at original prices.

A proposal is before the Department for reduced upsets, which would, undoubtedly, encourage settlement.

The diminished revenue from Treasury is principally Water Receipts—£1,000—the Kalgoorlie to Menzies Railway driving all teamsters and camel trains off the routes.

The income from Licenses dropped £80, the balance of depreciation being on account of General Receipts. Excise shows a substantial increase of £400.

The total output of gold is 48,193ozs., an excess of 20,467ozs. over 1898, the excellent average of 16dwts. being maintained for the period under review, which is within a fraction of last year's figure.

During the year, a 20-head battery was erected on the Railway Venture leases, 10-head of this being placed at the disposal of the public.

Cyanide plants have been placed on the Paddington Consols and the New Austral Company, Limited, properties.

The former mine, which now runs 40 head of stamps, has also installed an electric-lighting plant for surface workings.

A 10-head battery is on the way from London for the Zoroastrian Mine, Bardoc.

The Golden Arrow Mine has reconstructed, and under the new management good progress is being made.

As the alluvial claims on the Paddington Deep Lead become worked out, quartz claims and Gold Mining Leases are taken up over them; in some cases with very favourable results.

An agitation is on foot for a Government Public Battery. From careful inquiries, I should say that existing conditions hardly appear to justify this expenditure; but if the prospectors guarantee a sufficient quantity of stone, perhaps some effort could be made to lease one of the local batteries for a short term in order to test the position.

The alluvial at Broad Arrow and Paddington Deep Leads, though languishing at present, has provided upwards of 7,500oz. of gold during the past fifteen months, and has amply borne out the hopes entertained of its importance.

Regarding the water supply, the Port tanks at Black Flag and Bardoc, of 3,244,400 and 2,045,400 gallons capacity respectively, have proved effective in saving all the rains falling on their watersheds. At end of December last the depth of water was—Black Flag, 6ft. 7in.; Bardoc, 19ft.

The Broad Arrow tank of 10,060,800 gallons still remains in an incomplete state, and incapable of holding water.

With a population of 2,862, the health of the district continues good, and is well supported by the local Hospital, which still sustains its high standard of efficiency.

Trade, although depressed, remains sound, and, as there are large numbers of prospectors at work, and many mines doing developmental work, a permanent revival may reasonably be looked for at any time.

I have, etc.,

LIONEL R. DAVIS,

Warden.

Broad Arrow, 12th March, 1900.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	49	35
Area of Gold Mining Leases applied for, in acres	643	368
Number of Gold Mining Leases abandoned, surrendered, or forfeited	193	95
Number of Gold Mining Leases refused	2	2
Number of Gold Mining Leases in force	176	128
Area of Gold Mining Leases in force, in acres	2453	1711
Number of Water Rights in force	6	8
Area of Water Rights in force, in acres	29	39
Number of Quartz Claims in force	8	24
Number of Alluvial Claims in force	13	19
Number of Protection Areas in force	17	22
Number of Residence Areas in force	2	1
Number of Business Areas in force	13	13
Number of Machine Areas in force	1	1
Number of Tailings Areas in force	1	3
Number of Garden Areas in force	<i>Nil</i>	<i>Nil</i>
Number of Miners' Rights issued during	951	655
Number of Business Licenses issued during	10	7

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	1	4
Area of Mineral Leases applied for, in acres	20	100
Number of Mineral Leases abandoned, surrendered, or forfeited	<i>Nil</i>	5
Number of Mineral Leases refused	<i>Nil</i>	<i>Nil</i>
Number of Mineral Leases in force	5	5
Area of Mineral Leases in force	95	120
Number of Water Rights in force		
Area of Water Rights in force		
Number of Lode Claims in force		
Number of Alluvial Claims in force		
Number of Protection Areas in force	<i>Nil</i>	<i>Nil</i>
Number of Residence Areas in force		
Number of Business Areas in force		
Number of Machine Areas in force		
Number of Tailings Areas in force		
Number of Garden Areas in force		
Number of Mining Licenses issued during	4	2
Number of Quarry Licenses issued during	<i>Nil</i>	<i>Nil</i>
Number of Business Licenses issued during	<i>Nil</i>	<i>Nil</i>

TABLE C.

Table showing Number, Description and Area of Mineral Leases in force 31st December, 1899.

Description of Mineral.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
Copper	Broad Arrow	5	5	acres. 95	acres. 120
	Total	5	5	95	120

TABLE D.

** List of Ore Reduction Plants at end of Year 1899.*

Goldfield.	Number of stamps erected.		Number in course of erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Broad Arrow	218 and 1 Ball Mill	228 and 1 Ball Mill	<i>Nil</i>	<i>Nil</i>	£ 138,820	£ 110,011

* For details, see Mining Statistics.

TABLE E.

** Particulars of Mining Accidents during 1898-9.*

	1898.	1899.
Injured	6	6
Killed	3	3

* For details, see Mining Statistics.

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

District.	MALES.		FEMALES.		TOTAL.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Broad Arrow ...	2,435	2,259	516	603	2,951	2,862	...	89
Total ...	2,435	2,259	516	603	2,951	2,862	...	89

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.			Year 1899.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act ...	Broad Arrow	2,409	11	0	1,795	16	0
Other sources under Goldfields Act ...	Do. ...	844	2	0	560	9	6
Lease Rental under Mineral Lands Act ...	Do. ...	5	0	0	21	5	0
Other sources under Mineral Lands Act ...	Do. ...	2	0	0	1	5	0
Exemption Fees ...	Do. ...	577	18	0	386	11	0
Receipts from Public Batteries ...	Do. ...	...	...	...	...	...	...
Receipts under Boilers Act ...	Do. ...	...	...	...	...	...	...
Fees—Examination of Engine-drivers ...	Do. ...	71	10	0	...	...	...
Survey Fees (Leases, Areas, etc.) ...	Do. ...	357	0	0	246	12	6
Receipts from all other sources ...	Do. ...	1	3	0	3	14	6
Total Mining Revenue ...	...	4,268	4	0	3,015	13	6

TABLE H.

Average Number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Broad Arrow ...	480	882	500	390	980	1,272

TABLE I.

Water Supply during Year 1899.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and contents.	Rainfall.
Broad Arrow ...	225ft.	Scarce. In two cases at 225ft. and 200ft.	3 15,360,600	Points. 656 on 43 days.

TABLE J.

Ruling Rates of Wages during 1899.

	£	s.	d.
Miners above ground per week,	3	10	0
Miners below ground "	3	10	0
Miners, wet ground "	4	0	0
Engine-drivers "	4	0	0
Mechanics "	4	10	0
Carpenters "	4	10	0
Labourers "	3	10	0

TABLE K.

Yield of Gold for Years ending 1898 and 1899.

Goldfield.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total yield.	Average per ton in oz., exclusive of Alluvial and Specimens.
Broad Arrow ...	{ 1898	32,004	25,972	ozs. 1,484	ozs. 270	ozs. 27,726
	{ 1899	59,976	47,882	114	198	48,194
						ozs. '81 '80

Warden's Report on the North Coolgardie Goldfield for the Year 1899.

The Under Secretary for Mines, Perth.

SIR,

I have the honour to submit my Annual Report on the North Coolgardie Goldfield for the year ending 31st December, 1899, for the information of the Hon. the Minister for Mines.

The area and divisions of this field remain the same as when I last reported.

The districts, areas, sub-districts, approximate position and distance from Menzies being given below :—

District.	Area, Square miles.	Sub-district.	Approximate position and distance by road from Menzies.
(1)—MENZIES ...	3,268	Woolgar ...	4 Miles South
		Kensington ...	4 Miles East
		Comet Vale ...	18 Miles South
		Goongarrie ...	27 Miles South
(2)—ULARRING ...	12,256	Mulline ...	32 Miles West
		Mt. Higgins ...	45 Miles S.W.
		Speakmans ...	55 Miles S.S.W.
		Mt. Ida ...	67 Miles N.W.
(3)—NIAGARA ...	779	Kookynie ...	39 Miles N.E.
		North Niagara or Tampa	47 Miles N.E.
		Armidale ...	48 Miles N.N.E.
(4)—YERILLA ...	14,306	Mt. Catherine...	64 Miles E.S.E.
		Linden ...	104 Miles N.W.
		Eucalyptus ...	90 Miles N.E.
		Pendennie ...	83 Miles N.E.
		Pyke's Hollow	95 Miles N.E.
		The Granites ...	98 Miles N.E.
		Mt. Remarkable	71 Miles E.N.E.
Ejudina ...	107 Miles East.		
Total Area ...	30,609	square miles	

The Menzies and Ularring Districts are all worked from the Menzies Office. Registrars are stationed at Niagara and Yerilla, where Wardens and Local Courts are held monthly; but owing to the depopulating of the latter place it is proposed to close this office and transfer the business to Niagara.

WARDEN'S HEAD OFFICE.

The head office for this field still remains at Menzies, where the bulk of the business is transacted.

Warden's and Local Courts sat at Niagara and Yerilla throughout the year, alternate months; but now that Yerilla Office is being closed, these courts will be held only at Niagara, on the 4th Tuesday in each month during the year 1900.

Table "A" gives the totals of the various holdings taken up, abandoned, forfeited, and still held; as well as Miners' Rights and Business Licenses issued during the year under review, which are compared with the previous year, and this comparison is adhered to throughout this report.

Increases occur in Water Rights, Alluvial Claims, Residence, Business, Machine, Tailings and Garden Areas, and Business Licenses issued.

The number of gold mining leases taken up is the same, although the area is slightly less, other sources of decrease, such as abandonment of leases, may be accounted for by there being less speculation and more *bonâ fide* work being done than formerly.

The reduction in numbers of Miners' Rights issued is accounted for in a great measure by the alteration in the law, doing away with the necessity of these to some extent.

Though it is to be regretted that a slight falling off in the area of Gold Mining Leases in force has occurred, it must be borne in mind that some districts, such as Ularring and Niagara, have shown considerable increases.

The Menzies District, which includes Goongarrie, has barely held its own, the Crusoe Mine having obtained exemption, while the average output of other large mines has somewhat decreased; but better things are hoped for in the future, and rumours are afloat that fresh developments of an encouraging nature will shortly be made known.

Ularring District has gone ahead considerably, the leases near and around Mt. Higgins having developed well, while the Public Battery at Mulline has crushed continuously since starting, giving an average return of over $1\frac{1}{2}$ ounces per ton.

Regarding Niagara District, though there is a slight falling off in the number of Gold Mining Leases applied for, it is satisfactory to note that the number still in force has not materially decreased, and they are now really on the increase; while applications for residence, business, tailings, and other areas are increasing; a sure sign of prosperity.

There was a temporary increase in the number of leases taken up in and around Yerilla, after the Government Public Battery started there in May last, and it was hoped this would become a populous and prosperous mining centre; but, unfortunately, the converse has happened, and this place is now practically deserted; the reefs being found too poor to pay prospectors, varying from 5 to 15 dwts. per ton, while odd parcels of stone went as high as 5 ozs.

Notwithstanding this desertion by the working man, I still think that if a company took up a large area and erected, say 50 head of stamps, they would be amply rewarded, as there are plenty of wide low-grade reefs and fresh water.

APPLICATIONS FOR LEASES, ETC., UNDER THE MINERAL LANDS ACT.

Table "B" gives the Mineral leases, other than Gold Mining Leases, taken up during the year, and already in force.

This industry does not seem to have prospered during the year, the only district containing these being Menzies. Stone Quarries have increased, showing a desire on the part of the residents to erect more permanent buildings, expressing faith in the permanency of the fields.

DESCRIPTION AND AREA OF MINERAL LEASES IN FORCE.

Table "C" describes the number and area of Mineral Leases in force, which, in this instance, only comprises one Copper Lease of 12 acres at Goongarrie, and three Stone Quarries, one at Comet Vale, 17 miles South, and the others at Menzies. These leases are all dealt with under the Mineral Lands Act.

ORE REDUCTION PLANTS.

Table "D" gives a complete list of these appliances, and it is encouraging to find that the stamps have increased by 20, and the value of machinery £32,757, or a total to date of £220,808.

MINING ACCIDENTS.

Table "E" embodies the total casualties reported during the period under review as sixteen, and it is to be regretted that these figures reveal the fact that they have increased 300 per cent. It is, however, a matter of congratulation that the fatal accidents have decreased 33 per cent.

POPULATION AND NUMBER OF TOWNS.

In Table "F" will be found the population. Notwithstanding the counter attraction of other prosperous mining centres, this field has practically maintained its position; the population remaining much the same as last year. I am sorry to say that Menzies District has decreased 550 souls; nevertheless, it is interesting to note that Ularring has increased 50, Niagara 436, and Yerilla 23 (although the township has been almost deserted); the total decrease being only 41.

A new and prosperous township has been gazetted during the year at Kookynie, six miles North-West of Niagara, and 39 miles from Menzies; making the total number of townsites within this field ten, viz.: Menzies, 100 miles North of Coolgardie; Goongarrie, 27 miles South of Menzies; Mulline, 32 miles West; Callion, 23 miles South of Mulline, or 55 miles by road from Menzies; Mt. Ida, about 67 miles North-West; Niagara, 33 miles North-East; Tampa, 12 miles North of Niagara and 45 miles from Menzies; Yerilla, 59 miles North-East; Linden (late Griffithstown), 104 miles North-East of Menzies, and Kookynie.

MINING REVENUE.

Table "G" discloses another sign of prosperity, showing, as it does, the very satisfactory increase of £5,247 18s. 6d. in Mining Revenue.

I am glad to say Lease Rental pretty well holds its own, while receipts for Public Batteries and Survey Fees both show marked increases.

The falling off in exemption fees is a matter for congratulation; indicating, as it does, the desire to develop leases rather than hold them for speculative purposes.

AVERAGE NUMBER OF MINERS EMPLOYED.

Table "H" shows an increase of 147 in the number of miners employed, which, after all, is perhaps the surest sign of the prosperity or otherwise of any field.

WATER SUPPLY AND RAINFALL.

Table "I" gives particulars of the rainfall, which I am pleased to say seems to be increasing; having risen from 4.81 inches last year to 6.43 inches this, while the year 1900 promises to eclipse all previous records, 5 inches having fallen during the first four months.

RULING RATE OF WAGES.

Table "J" will be found interesting to workers anxious to seek pastures new, with a view to financially bettering their positions. Though wages are a little lower than formerly, this loss is more than compensated for by the improvement in internal communications, the Government having constructed roads, railways, and telegraphs to most of the townships and mining centres, thereby cheapening the necessities and even the luxuries of life.

GOLD YIELD.

Table "K" contains particulars of Gold Yield. A total of 116,968.14ozs. of gold has been produced during the year; being an increase of 44,089.27ozs., which represents considerably more than half the total obtained altogether last year.

When this enormous increase is taken into consideration, it is not to be wondered at that the general average has been reduced from 1.71ozs. to 1.23ozs. per ton; but even this is a very fair average indeed, considering that 93,222.25 tons have been crushed.

NEW FINDS.

No new finds of any importance have been reported during the year. One of the alluvial finds reported last year, which is still working, is Yilgangie, 35 miles South-East of Yerilla, where only a few men are employed.

The alluvial find reported in December, 1898, near Goongarrie, still supports about 30 men; though nothing sensational has yet been discovered there.

HEALTH OF DISTRICT AND VITAL STATISTICS.

The health of the field generally still continues very good; the vital statistics being as follows:— Births 68, deaths 58, marriages 25, being an increase of 28 births, 35 deaths, and 3 marriages.

Table "L" shows an increase of 7.10 births, 7.55 deaths, and 0.69 marriages per 1,000.

PUBLIC FACILITIES AND IMPROVEMENTS.

The three Government Public Batteries which were being erected at Mulline, Mt. Ida, and Yerilla, when I last reported, started work on the following dates: Mulline, January 23rd; Mt. Ida, in April; Yerilla, May 1st; the two former have done good work, and have been the means of opening up some good auriferous country, materially adding to the gold output.

I am sorry to say Yerilla Battery only worked for a few months, and was the means of proving the district too low grade for prospectors to work.

Blevin's Find Battery, at Tampa, has been crushing for the Public, but has now been idle for some time.

The following gold-mining companies have also crushed for the public: The Britannia, eight miles North of Niagara; the Challenge, at Niagara; the Menzies Gold Reefs, Lady Shenton Extended, and Queensland Menzies, at Menzies; the Hicks, at Goongarrie; Speakman's, at Callion; the Shannon Proprietary, at Eucalyptus, and Murray's Battery, at Linden. These, in addition to the Public Batteries already alluded to, have afforded prospectors every facility for testing their properties.

The Railways, Surveyed and Cleared Roads, and Telegraphs, remain the same as when I last reported; all the known centres being connected by one or all of these facilities.

The Niagara Reservoir, which was finished in March, 1898, and has a capacity of 40,000,000 gallons, has been two-thirds filled during the year; but I am sorry to say several leaks were discovered, and before they could be stopped most of the water had run to waste; even now the leakage is not entirely remedied.

The Menzies Municipal Council made strenuous efforts to have a pipe line constructed to convey the water into Menzies, but without avail; as it was found the amount of water impounded was not sufficient to supply the demand, or to warrant the expense of laying the pipes, nor was the rainfall sufficient to insure a constant supply.

The Menzies concrete tank of 3,000,000 gallons capacity has not proved of much use so far, as the rainfall has not been heavy enough to put much water into it.

Very little building has been done; one of the principal improvements in this respect, being an addition to the Government school.

The Menzies Waterworks Company has erected a large condenser with a distributing tank at the North end of Shenton street, and are now supplying the public with good fresh water (condensed) at 7s. 6d. per 100 gallons at their stand.

EDUCATIONAL.

The State School still continues to improve and the scholars to increase in numbers, necessitating additional accommodation being provided.

The total attendance is now 198, being an increase of 68, viz., 20 boys and 48 girls.

I am pleased to say a school has been established at Niagara, the Mechanics' Institute being used for that purpose; but one is badly wanted at Kookynie, where there are far more children than at the former place.

Woolgar, four miles South of Menzies, also requires some educational facilities; probably if some arrangement was made to convey the children to the Menzies School all requirements would be met, as this place is not large enough to warrant a school of its own.

STATE OF TRADE.

Trade in Menzies still continues to hold its own, owing principally to it being the terminus of the railway, and the distributing centre for outlying districts, including Mount Margaret Goldfield.

At Niagara it has fallen off, owing to the Challenge Mine being shut down for a time, and also the counter attraction of Kookynie.

Kookynie is a new town recently sprung into existence, and already contains some 500 or 600 people, the Cosmopolitan and Cumberland Companies being its chief main stay. Both these mines employ a large number of hands, and the former is opening up well. This, I should say, at the present time, is the most prosperous town on this field.

Yerilla, I am sorry to say, is practically deserted, owing to the reason already stated.

Mulline still continues to prosper, owing to the good returns obtained from the Public Battery.

Callion, Goongarrie, Linden, and Eucalyptus are languishing owing to the mines proving disappointing.

PRINCIPAL EVENTS AND DOINGS.

Sir John Forrest, the Hon. the Minister for Mines, and Mr. A. E. Morgans, M.L.A., visited the field during the year, and were entertained by the Menzies Municipal Council, and deputed by various bodies.

The Hon. the Minister for Mines opened the Public Battery at Mulline on 23rd of January amidst great rejoicing; Mr. Gregory (the member for the district), the Superintendent of Batteries, and Government Geologist, also being present.

GENERALLY.

Though the outlook in and around Menzies is not quite so good as events last year led one to suppose it would be, nevertheless the field generally shows a marked improvement, the gold output having increased over 60 per cent., and the revenue very nearly the same percentage.

The mining centre known as "The Granites," six miles west of Pendennie Post Office, and Mt. Higgins, about half way between Mulline and Callion (Speakman's Find), have lately shown considerable activity, and it is hoped they will turn out as satisfactory as present indications seem to show.

PART II.

To shorten this report as much as possible I have tabulated Part II. of my last year's report, enumerating the various districts and sub-districts in the same order.

Anyone desiring detailed information as to the various mines may obtain it from Table M., which has been compiled from information furnished by the various mine managers.

In compiling this table I have been materially assisted by the various lessees, mine managers, public battery managers, and others, to whom I wish to tender my thanks for the able and ready assistance they have afforded me.

Last year this portion of my report only dealt with the principal mines; but this includes all the mines now working.

I have, etc.,

W. LAMB DEN OWEN,

Warden, North Coolgardie Goldfield.

Menzies, 17th May, 1900.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
✓ Number of Gold Mining Leases applied for	188	188
Area of Gold Mining Leases applied for, in Acres	2261	2171
Number of Gold Mining Leases abandoned, surrendered, or forfeited	379	217
Number of Gold Mining Leases refused	6	4
✓ Number of Gold Mining Leases in force	349	303
Area of Gold Mining Leases in force, in acres	4943	4005
Number of Water Rights in force	116	129
Area of Water Rights in force, in acres	4605	4622
Number of Quartz Claims in force	41	32
Do. Alluvial Claims do.	2	5
Do. Protection Areas do.	49	43
Do. Residence do. do.	290	295
Do. Business do. do.	172	195
Do. Machine do. do.	5	7
Do. Tailings do. do. ... ..	...	3
Do. Garden do. do.	2	3
Number of Miners' Rights issued during	1118	905
Number of Business Licenses issued during	31	76

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
✓ Number of Mineral Leases applied for	2	4
Area of Mineral Leases applied for, in Acres	42	13
Number of Mineral Leases abandoned, surrendered, or forfeited	1	1
Number of Mineral Leases refused ... ..	...	...
✓ Number of Mineral Leases in force	1	4
Area of Mineral Leases in force, in acres	12	20
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Do. Alluvial Claims do. ... ..	...	...
Do. Protection Areas do. ... ..	...	...
Do. Residence do. do. ... ..	...	...
Do. Business do. do. ... ..	...	...
Do. Machine do. do. ... ..	...	...
Do. Tailings do. do. ... ..	...	...
Do. Garden do. do. ... ..	...	...
Number of Mining Licenses issued during	1	1
Number of Quarry Licenses issued during	12	2
Number of Business Licenses issued during ... ..	...	...

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
✓ Copper	Menzies	1	1	acres. 12	acres. 12
Building Stone	Menzies ... ..	...	3	...	8
Total ... ..	...	1	4	12	20

TABLE D.

List of Ore Reduction Plants at end of Year 1899.

District.	Number of Stamps erected.		Number in course of erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Menzies	183	186	...	...	£ 103,527	£ 129,037
Ularring (including Government Public Batteries)	40	60	...	...	22,262	28,117
Niagara	88	95	...	...	33,099	38,401
Yerilla (including Government Public Battery)	65	55	...	...	29,163	25,253
Total	376	396	...	...	188,051	220,808

TABLE E.

** Particulars of Mining Accidents during 1898-9.*

	1898.	1899.
Total number injured	1	14
Total number killed	3	2

* For details see Mining Statistics.

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Menzies	3,070	2,170	520	870	3,590	3,040	...	550
Ularring	363	393	39	59	402	452	50	...
Niagara	353	720	49	118	402	838	436	...
Yerilla	284	296	18	29	302	325	23	...
Total	4,070	3,579	626	1,076	4,696	4,655	509	*550

* Total decrease, 41.

TABLE G.
Mining Revenue, 1898-9.

	District.	Year 1898.	Year 1899.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act	North Coolgardie...	5,166 7 6	5,049 14 0
Other sources under Goldfields Act	do.	1,590 9 3	1,818 0 3
Lease Rental under Mineral Lands Act	do.	6 15 0	5 10 0
Other sources under Mineral Lands Act	do.	8 0 0	1 10 0
Exemption Fees	do.	705 9 0	450 8 0
Receipts from Public Batteries	do.	...	5,226 1 3
Receipts under Boilers Act	do.	...	111 0 0
Fees—Examination of Engine Drivers... ..	do.	58 0 0	22 0 0
Survey Fees (Leases, Areas, etc.)	do.	1,372 17 6	1,467 2 6
Receipts from all other Sources	do.	10 11 0	15 9 9
Total Mining Revenue	do.	8,918 9 3	14,166 15 9

TABLE H.
Average number of Miners employed during 1899.

District.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Menzies	703	677	120	35	823	712
Ularring	224	340	10	10	234	350
Niagara	278	315	...	...	278	315
Yerilla	152	241	...	16	152	257
Total	1,357	1,573	130	61	1,487	1,634

TABLE I.
Water Supply during Year 1899.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks Number and Contents.	Rainfall.
MENZIES	5 to 25 feet (at Lake Barlee)	70 to 80 feet ...	1, capacity 3,049,400	4·81
Goongarrie ... ..	...	...	1, ,, 1,048,300	
ULARRING	130 feet	130 feet	1, ,, 1,527,000	
Speakman's ... ..	...	...	1, ,, 1,088,400	
NIAGARA ... ..	...	85 feet	1, ,, 38,750,000	6·43
YERILLA ... ..	...	90 to 120 feet		

TABLE J.
Ruling Rates of Wages during 1899.

	Menzies and Ularring. Per week.			Niagara and Yerilla. Per week.		
	£	s.	d.	£	s.	d.
Miners above ground	3	7	0	3	10	0
Miners below ground	3	15	0	4	0	0
Miners, wet ground	4	0	0	4	10	0
Engine-drivers	4	5	0	4	10	0
Mechanics	5	0	0	4	10	0
Carpenters	4	5	0	4	10	0
Labourers	3	7	0	3	10	0

TABLE K.

* Yield of Gold for Year ending 1899.

District.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total yield in ounces.		Average per ton in ounces, exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Menzies	42,237·10	62,014·27	89·62	265·00	54,318·09	62,368·89	2·02	1·46
Ularring	11,909·37	18,309·18	1·82	19·51	4,114·76	18,330·51	2·67	1·53
Niagara	32,309·50	25,912·23	29·44	99·73	9,581·92	26,041·40	·94	·80
Yerilla	6,766·28	8,817·34	675·90	734·10	4,864·10	10,227·34	1·16	1·30
Total	93,222·25	115,053·02	796·78	1,118·34	72,878·87	116,968·14	1·71	1·23

* For details see Mining Statistics.

TABLE L.

Births.				Deaths.				Marriages.			
1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.	1898.	1899.
No.	No.	Rate.	Rate.	No.	No.	Rate.	Rate.	No.	No.	Rate.	Rate.
40	68	8·5	14·60	23	58	4·89	12·44	22	25	4·68	5·37

The following particulars have been extracted from the Returns furnished to the Warden by the various Mine Managers of the North Coolgardie Goldfield :—

No. of Lease.	Name of Company or Mine.	Number of shafts.	Deepest shaft.	Shallowest shaft.	Estimated average value of tested reefs.	How ascertained.	WATER.		
							Level.	Yield per day.	Quality.
MENZIES DISTRICT.									
2728z, 3480z, 3481z	The Goongarric Goldfields, Limited, £270,000, £1 shares	7	ft. 211	ft. 18	ozs. dwts. grs. 0 12 0	Milling	ft. 110	gals. 8,000	Salt
2736z, 3951z, 4869z	Lady Montifore United G.M., Ltd., 200,000 shares, 5s. each	16	105	35	0 9 0	Estimated	Various	...	Salt
2809z, 4797z...	Mimosa Gold Mines, Ltd., 85,000 £1 shares	6	112	22	0 5 0	Estimated	Various	7,000	Salt
2820z	Lady Shenton G.M., Ltd., 160,000 £1 shares	5	209	58	2 6 12	Milling	Nil	Nil	Nil
2821z	Lady Florence G.M. Company, £125,000, £1 shares	4	310	75	1 4 0	Milling	Nil	Nil	Nil
2822z	Lady Harriett	16	200	16	...	... ..	160	Very small	Salt
2830z	Menzies Golden Age G.M., Limited, 100,000 shares, working capital £20,000	6	265	50	2 0 0	Estimated	260	200	Brackish
2834z	Central Menzies G.M., Ltd., 120,000 at 10s.	6	201	3½	...	... ..	200	Small	Slightly salt
2823z, 3009z...	Menzies Crusoe Gold Claims, Ltd., 200,000 at £1	8	370	80	1 10 0	Battery and Cyanide ...	...	...	...
2100z	Aspasia	4	160	50	...	... ..	144	40	Salt
2832z	Leonidas	6	183	20	...	... ..	152	150	Stock
2843z	Shenton East	5	218	50	...	... ..	155	1,000	Stock
3844z	Shenton Extended	1	147	...	...	... ..	...	...	...
3138z	Pandora	6	145	30	...	... ..	...	...	...
3148z	Ishtar	7	100	30	...	... ..	...	...	...
3098z	Alpha South	3	80	20	...	... ..	...	...	...
3106z	Castle Blany	1	50	...	...	... ..	...	...	...
3089z	Sherez	4	100	60	...	... ..	...	...	...
2825z, 3016z, 2841z, 2842z, 2824z, 3074z, 3722z	Menzies Gold Reefs Proprietary, Limited, 175,000 shares at £1	12	340	70	2 0 0	... ..	...	...	...
4064z, 3806z, 3914z, 2835z	Menzies Lady Sherry Gold Mining Company, N.L., 132,000 (nominal capital £33,000)	5	230	45	1 11 18	Milling ... ..	...	...	...
2836z	Queensland Menzies Gold Mining Company, N.L., 132,000 shares; nominal capital, £33,000	3	366	60	2 6 0	Milling	230	100	Salt
3011z, 3031z...	Menzies Alpha Leases, Limited	12	270	35	...	... ..	...	...	...
3048z, 3235z, 3398z...	Warrior Menzies Gold Mining Company, N.L., 85,000 shares at 10s.	22	253	14	0 16 11	... ..	200	600	Fresh
3125z, 3126z, 4872z...	Lady Margaret Gold Mining Company, Ltd., 85,000 at £1	13	170	40	0 9 0	Estimated	112	1,000	Fresh and salt
3052z, 3053z, 3149z, 3150z, 3151z	Menzies United Gold Mines, Limited, 250,000 £1 shares	12	398	20	1 2 12	Milled	Various	400	Salt
3277z	The Kensington... ..	6	130	30	0 18 0	Estimated ... ..	...	20	Salt
3322z	W.A. Proprietary	8	128	25	0 0 6	Milling	50	1,300	Fresh
3543z	Menzies United Extended	1	80	...	...	... ..	...	...	...
4855z	Goodenough	3	124	70	1 0 0	Milling	160	600	Fresh
4883z	St. Alban's	5	260	50	2 0 0	Estimated	100	...	...
4889z	Union Jack	1	280	...	1 7 13	Milling	Nil	Nil	...

4891z, 4892z...	Caledonian Gimblet	4	96	40	0	10	0	Milling	88	...	Salt
4893z, 4894z...	Long Tunnel and Long Tunnel Extended	3	96	66	1	6	14	Milling	96	30	Fresh
4895z, 4905z...	Maranora and Maranora East	3	150	30	1	4	0	Milling	150	50	Nearly fresh
4902z, 4903z...	The Phoenix Gold Mines, Limited	6	177	Not supplied	0	15	10	Milling	...	...	...
4912z	Crown Cross	3	140	70	3	2	19	Milling	...	...	...
4914z	Maori Chief	1	90	45	...	...	...	...	...	...	...
3024z, 3113z, 3123z, 3295z, 3335z, 3412z, 3413z, 4843z, 4880/2z	Menzies Consolidated Gold Mines Limited, 225,000 £1 shares	7	425	50	1	0	0	Milling	130	30,000	Salt

ULARRING DISTRICT.

393u	Lady Troy	2	30	15	0	14	0	Milled	...	...	...
44u	Melbourne	3	110	60	...	...	...	...	...	...	...
405u	Little Wanderer	5	100	15	...	...	...	...	...	Nil	...
12u	Callion, Limited	4	200	130	0	10	0	Milling	140	260	Salt
425u	Welcome	2	100	50	1	10	0	Milling	...	...	...
372u	Alaska	5	159	50	...	...	...	...	...	40	Salt
354u	Star of the East	2	77	75	...	...	...	...	...	...	...
355u	Ida Gem	4	75	20	1	3	0	Estimated	70	300	Fresh
52u	Rio Tinto	7	97	30	1	12	21	Milling	80	420	Fresh
36u, 62u, 115/6, 260/2	The Anglo-Continental Gold Syndicate, Ltd.	10	210	56	2	0	21	Milling	80	6,000	Salt
389u	Belle Rive	3	50	40	...	...	...	...	...	...	...
349u	...	2	76	40	0	18	0	Estimated	...	...	...
325u	Forrest Belle	5	95	25	1	18	3	Milled	...	...	...
193u, 203/5u, 218/9u 382u	Mt. Ida Consols, Ltd., 75,000 shares at £1...	18	150	30	1	18	10	Milled	115	340	Salt
17u	Boudies Nest	2	90	80	0	13	10	Milled	...	...	...
404u	Federation	3	75	70	0	18	0	Milled	...	...	...
407u	Roseleaf	4	65	20	3	3	11½	Milled	...	Nil	...
402u	Flora	2	76	54	0	10	0	Milled	...	Nil	...
9u	Mulwarrie	4	230	20	3	13	0	Milled	230	200	Fresh
424u	Mulwarrie South	3	50	...	...	...	...	...	...	...	...
395u	Mulwarrie North	2	150	...	2	0	12	Milled	...	12	Fresh
6u	Ularring Westralia G.M. Company	4	150	36	2	0	0	Milled	...	Nil	...
415u	Nellie	2	64	15	...	...	...	...	...	...	...
401u	Killaloe	3	30	30	...	...	...	...	...	...	...
419u	Right Bower	1	90	...	0	13	2½	Milled	...	Nil	...
400u	Mona	3	25	20	...	...	...	...	...	...	...
398u	Mulwarrie East	1	70	...	...	...	...	...	...	...	...
364u	Stevenson's Big Gun	2	160	40	1	0	0	Milled	...	...	...
335u	Buninyong	3	60	20	0	16	5	Milled	...	...	...
308u	Oakley	3	150	46	2	16	6	Milled	200	20	Salt
403u	Lady Florence	4	130	30	2	3	12	Milled	...	Nil	...
330u	Chamberlain	4	380	17	1	2	0	Milled	...	Nil	...
340u	Dungan	2	70	30	0	17	0	Milled	...	Nil	...
314u	Day Dream No. 2 Extended	2	60	30	1	0	16	Milled	...	...	...
422u	Reprieve	2	60	30	2	13	18	Milled	...	...	...
123u, 162u	Riverina Gold Mining Co. (No-Liability), 10,000 shares at £1	3	164	45	...	...	...	...	...	4,900	Fresh
332u	Young Australia	7	180	20	2	15	2½	Milled	...	Nil	...
413u	Dungan South	1	61	...	...	...	...	...	...	...	...
290u	The Lady Gladys Junction	2	100	20	1	6	12	...	...	...	...
179u	The Belle Mate	12	102	30	0	14	0	Milled	...	Nil	...

NORTH COOLGARDIE GOLDFIELD—continued.

No. of Lease.	Name of Company.	Number of shafts.	Deepest shaft.	Shallowest shaft.	Estimated average value of tested reefs.	How ascertained.	WATER.		
							Level.	Yield per day.	Quality.
ULARRING DISTRICT—continued.									
139U	The Rose Hill Treasure	4	ft. 50	ft. 18	ozs. dwts. grs. 1 1 12	Milled	ft. ...	gals. ...	...
235U	Lady Gladdus	5	130	30	2 7 0	Milled ... ..	...	Nil	...
2U	Mulline	3	52	20	1 16 7	Milled ... ..	...	Nil	...
423U	Refuse	6	45	12	0 13 7	Milled ... ..	...	...	...
324U	Riverina South	5	140	50	0 10 4	Milled	120	300 gallons	Stock
345U	Victorian...	3	70	40	1 2 0	Milled ... ..	...	Nil	...
359U	Riverina North	3	80	45	0 13 0	Milled ... ..	...	Nil	...
1U	Shamrock	3	110	40	2 0 0	Milled	80	...	...
357U	Central Offchance	3	95	28	0 3 5	Milled ... ..	...	Nil	...
360U	The Grio	2	70	20	1 5 0	Milled ... ..	...	Nil	...
399U	South Chance	2	142	93	...	...	...	...	...
89U, 92U	Explorers, Limited	10	158	10	1 9 0	Milled ... ..	...	210	Salt
339U	Derby	4	152	10	1 3 0	Milled ... ..	...	Nil	...
338U	Offchance	6	250	50	2 14 16	Milled	50	25 gallons	...
NIAGARA DISTRICT.									
20G, 87G, 94G, 338G ...	Cumberland Niagara Gold Mines Limited, 100,000 at £1 each	7	345	72	...	...	62	{ 11,000 3,500	Fresh Stock
256G	Sovereign	3	72	40	1 3 0	Milled	63	2,000	Stock
29G, 339G, 340G, 341G, 386G, 387G	Continental and Western Australian Trust, Limited	15	180	8	...	...	116	600	Stock
261G	Wairan	4	105	35	1 5 0	Milled ... ..	...	...	...
308G	Ballarat	4	130	15	2 0 0	Milled	90	600	Fresh
377G	London	4	105	30	...	...	...	...	...
100G	Pine Lodge	4	130	60	1 0 6	Milled ... ..	...	Nil	...
41G, 268G, 383	Britannia Gold Mining Company, Limited, 80,000 at £1	9	295	40	0 15 0	Milled	92	10,000	Stock
67G	Barrington	4	170	50	1 7 0	Milled	130	Unknown	Stock
287G	Standard	4	110	40	0 12 0	Milled	110	Unknown	Stock
232G	Homeward Bound	8	100	20	5 0 0	Milled	50	Unknown	Stock
279G	Batavia	3	50	46	0 15 0	Milled	50	Unknown	Stock
22/8G, 31G, 246G, 265G, 269G, 331/3G, 351G, 354/58G, 376G, 384/5G	Cosmopolitan Proprietary Limited, 300,000 shares at £1	26	160	12	0 19 21	Estimated	60	11,000	Fresh
316G	John Bull	2	40	40	1 19 0	Milled ... ..	...	...	...
223/226G	Hannan's Gold Estates Ltd., £250,000 at £2	3	100	95	...	...	90	17,000	Stock
320G	Champion	1	90	...	1 9 0	Milled	40	28,000	Fresh
334G	Champion North	1	50	...	...	...	...	Nil	...
359G	Champion South Extended	5	40	12	1 0 0	Estimated ... ..	...	...	...
38G	Blevin's Find G.M. Co., Ltd., 150,000 shares at £1—	16	230	20	0 9 12	Milled	95	20,000	Stock
352G	Mignonette	3	113	50	2 13 0	Milled ... ..	...	Nil	...
360G	Perseverance	3	113	50	2 13 0	Milled ... ..	...	Nil	...
360G	Rockhampton	5	90	20	0 8 18	Milled ... ..	...	Nil	...

349g	...	...	Grafter	...	2	95	95	2 4 0	Milled	...	100	Unknown	Stock
278g	...	...	Fortuna	...	3	100	40	1 19 0	Milled	...	...	Nil	...
363g	...	...	Marveletti	...	4	90	25	0 17 0	Milled	...	100	Unknown	Nearly fresh
359g	...	...	Mulga	...	4	110	60	1 3 0	Milled	...	95	Unknown	Nearly fresh
382g	...	...	Ulster	...	3	90	40	1 5 0	Milled	...	85	Unknown	Stock

YERILLA DISTRICT.

401R	...	...	Neta	...	3	140	75	1 5 0	Milled	...	110	8,000	Slightly salt
418R	...	...	Neta Extended	...	4	110	100	1 0 0	Milled	...	110	...	Slightly salt
188R	...	...	Portsea	...	3	112	25	0 18 0	Milled	...	12	10,000	Salt
196R	...	...	Blair Athol	...	2	42	9	...	...	...	35	1,000	Salt
358R	...	...	Wimmera	...	4	96	23	1 5 9	Milled	...	...	...	...
384R	...	...	Lady Edith	...	3	82	35	4 12 0	Milled	...	43	3,000	Salt
387R	...	...	Lady Ethel	...	4	85	20	1 15 0	Milled	...	...	...	...
399R	...	...	Burgess' Luck	...	1	80	...	2 0 0	Estimated	...	70	800	Salt
405R	...	...	Great Carbine	...	2	70	12	1 5 0	Milled	...	56	500	Salt
407R	...	...	New Year's Gift G.M. Co., Ltd., 9,600 at 5s.	...	3	80	20	1 2 4	Milled	...	5	24,000	Salt
408R	...	...	Greenhill G.M. Co., Ltd., 9,600 at £1	...	7	112	30	2 3 0	Milled	...	12	6,000	Salt
413R	...	...	Caledonian	...	2	50	30	0 10 20	Milled	...	...	...	...
420R	...	...	Traveller's Joy	...	2	80	40	1 6 0	Milled	...	...	...	...
476R	...	...	Kangaroo	...	1	35	...	...	...	...	...	...	...
464R	...	...	Federal	...	1	110	...	8 0 0	Milled and drolled	...	...	...	...
468R	...	...	Recovery	...	2	14	12	6 9 0	Battery	...	...	...	...
478R	...	...	Pinnacles	...	1	84	...	...	...	...	...	...	...
486R	...	...	Ormonde	...	2	60	20	...	...	...	...	...	...
260R, 315R	...	...	Shannon G.M. Co.	...	4	100	40	0 4 18	Milled	...	...	...	...
442R	...	...	Chesapeake	...	1	80	...	0 14 0	Milled	...	...	...	...
100R	...	...	Nine of Hearts	...	6	95	80	1 8 0	Milled	...	80	3,000	Stock
477R	...	...	Scotchman	...	5	90	21	...	...	...	...	Nil	...
443R	...	...	Landed at Last	...	3	40	20	1 4 0	Milled	...	...	Nil	...
450R	...	...	Potosi	...	2	165	45	3 0 0	Milled	...	125	200	Fresh
454R	...	...	Five Acre	...	1	46	...	...	...	...	...	Nil	...
456R	...	...	Potosi North	...	2	6	5	...	...	...	...	Nil	...
457R	...	...	Golden Treasure	...	2	100	25	...	...	...	...	Nil	...
461R	...	...	Woomera	...	1	40	...	0 10 0	Milled	...	...	Nil	...
463R	...	...	Pendennie Queen	...	2	20	...	...	...	...	...	Nil	...
466R	...	...	Queen of the May	...	1	50	...	2 2 0	...	...	...	Nil	...
467R	...	...	Queen of the May South	...	1	35	...	2 0 0	...	...	...	Nil	...
475R	...	...	Potosi North Extended	...	1	30	...	...	...	...	...	Nil	...
480R	...	...	Great Bonaparte	...	3	20	20	1 5 0	Milled	...	...	Nil	...
482R	...	...	Dividend	...	3	55	25	...	...	...	...	Nil	...
485R	...	...	Alpha	...	2	25	22	...	...	...	...	Nil	...

Warden's Report on the Peak Hill Goldfield for the Year 1899.

SIR,

I have the honour to forward, for the information of the Hon. the Minister, my annual Report for 1899 on the Peak Hill Goldfield.

Speaking generally, and taking into consideration its isolated position, long distance from the head of the railway line, and expensive carriage, I am justified in saying that the Goldfield has made substantial progress through the year. The statistics which I append, and which speak for themselves, will bear me out; the revenue for the year 1899 being nearly £1,000 greater than that of 1898.

With regard to mining affairs generally there is nothing sensational to report. The mines held by the Peak Hill Goldfields, Limited, have been steadily worked during the year, and though the previous high average has not been maintained, yet their average is still a satisfactory one.

Ravelstone.—At what is known locally as the 2-Mile (or Ravelstone) District a considerable area of country is held under lease, and a good deal of development work has been done on most of the properties. There is sufficient ore raised and in sight to keep the public battery employed for a long time to come, and those properties that are developed to any extent give most promising indications of their value.

On the South-East side of the town, and about one mile distant, is a group of leases known generally as "Mount Pleasant." I understand that the development of these properties gives entire satisfaction to the shareholders. These mines are additional factors towards the working of the Ravelstone battery. They are situated on the Western end of a low range of hills running East and West. Gold has been found at various points in this range, and the country thereabouts is well worth thoroughly prospecting. Some leases and claims were taken up during the year about 10 miles down this range, but are at present under exemption for want of water. Nearly 11 inches of rain fell during 1899, but as it all fell in a couple of days or so it has been of little benefit, and as a consequence prospecting has been retarded, as there is no surface water.

There have been a few men dry-blowing, but the alluvial is practically worked out in the immediate neighbourhood of Peak Hill, and men cannot go far out for want of surface water.

It is exceedingly difficult to estimate the amount of alluvial gold obtained, as there is a great deal taken off the field privately; but so far as I can ascertain from the storekeepers and the banks at least 700oz. have been obtained.

I am dealing with mining at the Horseshoe in a separate paragraph.

Work in connection with the erection of the Government battery at Ravelstone was commenced early in October, under the immediate supervision of Mr. R. G. Baptie. The work was completed in a highly satisfactory manner in the short period of two and a-half months, and the battery was publicly opened on 14th December. Owing to difficulty with the water supply, pumps, and other matters incidental to the starting of a new battery, practically no work was done to the end of the year. Since then the well was deepened 20ft., considerably increasing the supply, and the battery is now running two shifts. There is, so far as I can ascertain, no doubt of an ample supply of ore being forthcoming.

The yield of gold from the monthly returns furnished to this office, exclusive of alluvial, doliied, and specimens, is 31,475ozs. from 10,922 tons of ore, being an increase of over 17,000ozs. on the return for 1898, notwithstanding the want of outside crushing power.

The question of an adequate supply of water for mining purposes is one that is likely to come prominently to the front during the present year. In 1899 the supply of water from wells was sufficient for the use of the general public. The Water Supply Department sunk a well about one mile North-East of the town about the middle of the year. This well was opened for public use on 1st September, and has been found of considerable benefit, as the supply of water in the old well on the "Patch" is totally inadequate to the needs of the residents. The Public Works Department have been asked to lay pipes from the new well to a reserve in the town, and pump the water up to storage tanks. At the request of the Under Secretary for Public Works I reported on this matter, and informed him that I considered the expense hardly justified at present, but that it was an expense which would have to be incurred in the near future. When this work is carried out the old well should be closed altogether. The supply of water in the new well is sufficient for present needs, but will not meet the demands of a growing population. I believe, however, that the supply can be materially increased. The wells along the road from Nannine are kept in working order by the Water Supply Department, and speaking generally, there has been no difficulty so far as the public are concerned. I understand that the Peak Hill Goldfields, Limited, have experienced difficulty in getting a sufficient supply of water to run their 20-head mill full time. They are about to try a new site, in a different run of country, and I think there is a likelihood of success attending their efforts in that direction. I have given them such facilities as I could. At the Ravelstone Government Battery a supply of about 15,000 gallons per day is available; of course one cannot say at present whether it is permanent, but the probabilities are in favour of it, from the nature of the country met with.

One of the leases not far from the battery has a small supply of good fresh water in the main shaft at 140ft., but this is probably not permanent. The battery well is only sunk to a depth of 180ft., and as this is nearly the deepest shaft on the field, it remains for the future to say what may be met with at a depth.

During 1899 Peak Hill town lots were sold to the number of 21, realising a total amount of £907. The buildings that have been erected during the year are of a substantial nature, and give indication of

the confidence of the residents in the future prosperity of the town. The health of the people through the year has been fairly good, sanitary matters being strictly attended to under the supervision of the Local Board of Health. I estimate the population at the end of the year in Peak Hill and neighbourhood at about 600. The maximum shade temperature for 1899 was 111·8, and the rainfall 11 inches.

On 20th November the Bank of Australasia opened a branch here, and within a fortnight a Money Order Office and a branch of the Post Office Savings Bank were opened. A long felt public requirement has been thereby satisfactorily filled.

At the Horseshoe, 16 miles North-West from Peak Hill, mining matters have been practically at a standstill since the 1st September, 1899, a large area of ground being held under exemption from that date. Early in November information was received here to the effect that these properties had been taken over by a London Company, and just before Christmas the purchase money was paid, and the leases transferred to the Company. The large area of 723 acres is now held by this Company, and it is to be hoped that some attempt will shortly be made to work this property. It is generally believed that under competent management, and with systematic working, good results should ensue. The question of a sufficient water supply for mining purposes there, is one that remains to be solved. Private owners have put down a shaft close to the present settlement, and at about 160 feet have a fair supply of fresh water which they consider can be easily increased. About two miles further down the flat, running from the foot of the range, Stink Well has a good supply of beautiful fresh water. When I opened the field nearly three years ago, I defined a main line at the Horseshoe, along which I granted residence and business areas. About a year ago the main lines of a townsite were defined about one and a quarter miles away from the original settlement. This site not having proved altogether suitable, it has recently been decided to lay out some more business and residence areas at the site first chosen. I hope that this will be soon carried into effect, as a number of applications have been received for areas there, and it is desirable that they should be properly marked to save future confusion. Owing to the exemptions, the population of the "Shoe" was at a low ebb at the end of the year, there not being more than a dozen residents there. Of these five or six are making a precarious living by dry-blowing. A large amount of alluvial gold has, during the last few years, been obtained at the "Shoe," but the gullies are now getting worked out. Some of the residents think there are great probabilities of deep alluvial being found on the flats away from the range; but as this involves sinking shafts to a depth, nothing has so far been attempted.

Early in November Mr. Fowler, the then Registrar, resigned his position, and his successor, Mr. T. Y. A. Lang, from Yalgoo, took up his duties on 14th November. Though only here a short while, I am entirely satisfied with the manner in which he carries out his duties and the ability which he brings to bear on his work.

I have now dealt fully with the affairs of the Goldfield for 1899, and have only to say that I look forward with confidence to the continued progress of the Field. I fully believe that my next annual Report will bear me out in this. It has, of course, always to be borne in mind that we suffer under exceptional disadvantages, in the dry climate and the long distance from the head of the railway line. The latter difficulty is, I trust, within measurable distance of cure.

In conclusion, I desire to thank you, sir, and the Hon. the Minister, for the courtesy with which I have been met during the year, and the kindness shown me during my Christmas visit to Perth.

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

Peak Hill, 31st January, 1900.

Revenue collected at Warden's Office, Peak Hill, for 1899.

	£	s.	d.
Mining Revenue	2,417	7	0
Land Revenue	1,413	4	6
Internal Revenue	470	18	6
Stamps (sales)	276	4	6
	<hr/>		
	4,577	14	6
No. of Leases applied for			68
Area applied for (acres)			1,076
No of Leases held			117
Acreage			1,697
Miners' Rights issued			168
Business Licenses issued			13
No. of Batteries at work			1
No. of Stamps			20
Tons of ore crushed			10,922
Yield of gold therefrom	31,474	15	dwt.
Dollied and specimen gold	478	18	dwt.
Police cases dealt with			109
Warden's Court cases dealt with			42
Local Court cases dealt with			24

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	53	68
Area of Gold Mining Leases applied for, in acres	679	1,148
Number of Gold Mining Leases abandoned, surrendered, or forfeited	27	41
Number of Gold Mining Leases refused ... ..	...	4
Number of Gold Mining Leases in force	75	117
Area of Gold Mining Leases in force, in acres	883	1,697
Number of Water Rights in force	5	6
Area of Water Rights in force, in acres	53	35
Number of Quartz Claims in force	2	2
Number of Alluvial Claims in force	1	1
Number of Protection Areas in force	2	5
Number of Residence Areas in force	1	4
Number of Business Areas in force	2	5
Number of Machine Areas in force	3	...
Number of Tailings Areas in force	1	1
Number of Garden Areas in force	2	2
Number of Miners' Rights issued during	289	168
Number of Business Licenses issued during	8	13

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.—Nil.

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.—Nil.

TABLE D.

** List of Ore Reduction Plants at end of Year 1899.*

Goldfield.	Number of Stamps erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Peak Hill	30	43	...	...	£ 20,480	£ 27,546

** For details, see Mining Statistics.*

TABLE E.

Particulars of Mining Accidents during 1898-9.

	1898.	1899.
Injured	1	2
Killed ... ..	...	...

TABLE F.

Showing Population of the Goldfield on 31st December, 1899, as compared with 31st December, 1898.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Peak Hill ...	530	468	30	63	560	531	...	29

TABLE G.
Mining Revenue, 1898-9.

	District.	Year 1898.		Year 1899.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act	Peak Hill ...	921	15 0	1,273	3 0
Other sources under Goldfields Act	Do. ...	446	7 0	379	13 6
Lease Rental under Mineral Lands Act	Do. ...	...	...	...	...
Other sources under Mineral Lands Act	Do. ...	1	0 0	...	...
Exemption Fees	Do. ...	67	4 0	235	4 0
Receipts from Public Batteries	Do. ...	...	...	...	...
Receipts under Boilers Act	Do. ...	...	...	11	10 0
Fees - Examination of Engine-drivers	Do. ...	8	10 0	7	0 0
Survey Fees (Leases, Areas, etc.)	Do. ...	369	0 0	521	10 0
Receipts from all other Sources	Do. ...	1	11 0	1	12 6
Total Mining Revenue		1,815	7 0	2,429	13 0

TABLE H.
Average Number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
	Peak Hill	200	349	200	349

TABLE I.
Water Supply during Year 1899.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Peak Hill (Horseshoe)...	*	*	...	10·85 inches (measured at Post Office, Peak Hill).

* The country is too uneven to be able to specify an average depth. It is not unusual to first strike salt water and then fresh. Most of the wells are fresh.

TABLE J.
Ruling Rates of Wages during 1899.

Miners above ground	per week	£	s. d.
Miners below ground	"	3	10 0
Miners, wet ground	"	4	0 0
Engine-drivers	"	4	10 0
Mechanics... ..	per day	0	15 0
Carpenters	"	0	15 0
Labourers	per week	3	10 0

TABLE K.
**Yield of Gold for Year ending 1899.*

Goldfield.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total yield, in ozs.		Average per ton, in ozs., exclusive of alluvial and specimens.	
					1898.	1899.	1898.	1899.
Peak Hill	10,922·00	31,474·75	...	478·90	14,969·32	31,953·65	3·63	2·88

* For details, see Mining Statistics.

Warden's Report on the Yalgoo Goldfield for the Year 1899.

From the Warden, Yalgoo Goldfield, 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, 1899, for the information of the Honourable the Minister:—

During the early part of the year mining matters were fairly bright; but latterly, owing principally to the poor returns obtained from the crushings at the Government Public Battery at Yalgoo, and at several other batteries on the field, the outlook has not been at all promising, although the output of gold increased from 3,299ozs. in 1898 to 12,136ozs. for the past year.

Nearly all of the mines in the locality of the town of Yalgoo have been closed down. Three of the principal companies operating here—viz., the Yalgoo Proprietary Gold Mines, the Yalgoo Public Battery and Gold Mining Company, and the Dollar Gold Mines—have wound up their business and sold off their mining plants.

The *Field's Find Gold Mines, Limited*, and the *Gullewa Gold Mines* have largely increased their mining plants during the year. Both of these mines have given good returns from the ore treated at their batteries. The work of development has been retarded owing to the hard nature of the country, but, as they now have rock drills at work, better progress should be made.

Steady work has been carried on during the year by the *Woodley's Gold Mines*, at Rothesay, but the battery returns have been very poor, owing, I understand, to the ore being highly mineralised and difficult to treat. These companies have expended very large sums of money in developing their respective properties, and I hope that, in the near future, the returns from the mines will amply repay them for their pluck and energy.

Very little is now being done at Noongal, Carlaminda, and Wadgingarra, only a few men being employed at each place.

A number of leases are being developed at *Nangcarrong Hills* (near Yuin Station). Three Tremain mills have been erected there, but, owing to the scarcity of water, they have been hung up for some time. I believe the water difficulty has now been overcome, and crushing operations will commence.

Several small patches of alluvial have been worked during the year in the Pinyalling District, but nothing sensational was found, the largest nuggets unearthed being 5ozs. or 6ozs.

The rainfall for the year—viz., 5 inches 79 points—is the lowest registered for many years, and the stock are suffering in consequence of the protracted drought.

The general health of the field has been excellent.

I regret to have to report that a fatal accident occurred on the Field's Find Mine on the 31st of August last, whereby four miners lost their lives through an explosion of gelignite in the No. 2 level of the mine. All of the unfortunate men were single, and they were well known throughout the Murchison and Yalgoo fields. I held an inquiry *re* the matter, the report of which was forwarded to the Under Secretary for Mines, for the information of the Honourable the Minister.

Only one other accident occurred on the field, which did not prove fatal.

Fifty children were on the roll of the Public School at Yalgoo, and sixteen on the roll at Gullewa for the last quarter of the year.

I append hereto a list of Tables (A to M) showing the detailed statistics of the field for the years 1898 and 1899.

I have, etc.,

P. L. GIBBONS,

Warden.

Warden's Office, Yalgoo Goldfield, 5th April, 1900.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	YEAR 1898.	YEAR 1899.
Number of Gold Mining Leases applied for	21	9
Area of Gold Mining Leases applied for, in acres	148	82
Number of Gold Mining Leases abandoned, surrendered, or forfeited	20	27
Number of Gold Mining Leases refused	...	...
Number of Gold Mining Leases in force	61	49
Area of Gold Mining Leases in force, in acres	622	495
Number of Water Rights in force	4	4
Area of Water Rights in force, in acres	4	4
Number of Quartz Claims in force	10	13
Number of Alluvial Claims in force	...	...
Number of Protection Areas in force	13	28
Number of Residence Areas in force	128	132
Number of Business Areas in force	20	22
Number of Machine Areas in force	6	6
Number of Tailings Areas in force	3	3
Number of Garden Areas in force	2	3
Tunnelling Areas	2	3
Number of Miners' Rights issued during	172	133
Number of Business Licenses issued during	13	11
Powers of Attorney registered	7	11
Caveats	3	1
Agreements	15	12
Transfers	33	57
Liens	4	3
Registration of Stocks	4	2
Exemptions, total	59	16
Exemptions Concentration	49	52
Protections	...	15

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	YEAR 1898.	YEAR 1899.
Number of Mineral Leases applied for	3	...
Area of Mineral Leases applied for, in acres	120	...
Number of Mineral Leases abandoned, surrendered, or forfeited	...	3
Number of Mineral Leases refused	...	...
Number of Mineral Leases in force	3	...
Area of Mineral Leases in force, in acres	120	...
Number of Water Rights in force	...	...
Area of Water Rights in force	...	...
Number of Lode Claims in force	...	...
Number of Alluvial Claims in force	...	...
Number of Protection Areas in force	...	...
Number of Residence Areas in force	...	...
Number of Business Areas in force	...	...
Number of Machine Areas in force	...	...
Number of Tailings Areas in force	...	...
Number of Garden Areas in force	...	...
Number of Mining Licenses issued during	17	5
Number of Quarry Licenses issued during	5	1
Number of Business Licenses issued during	...	...

TABLE C.

*Table showing Number, Description, and Area of Mineral Leases in force
31st December, 1899.—Nil.*

TABLE D.

* List of Ore Reduction Plants at end of Year 1899.

Goldfield.	Number of Stamps erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Yalgoo	94	68	...	...	£ 49,336	£ 39,613

* For details, see Mining Statistics.

TABLE E.

Particulars of Mining Accidents during 1898-9.

	1898.	1899.
Injured	Nil	1
Killed	Nil	4

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

District.	Males.		Females.		Total.		Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.	
Carlaminda		10		4		14	
Field's Find		100		35		135	
Gullewa		140		30		170	
Yuin		16		5		21	
Noongal		10		6		16	
Pinyalling		15		4		19	
Rothsay		50		20		70	
Wadgingarra		6		Nil.		6	
Yalgoo		127		77		204	
Total	1,072	474	331	181	1,403	*655 †200	
						855	548

* Mining centres.

† Squatters and others.

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.	Year 1899.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act	Yalgoo ...	669 16 0	484 18 0
Other sources under Goldfields Act	Do. ...	214 2 6	179 19 0
Lease Rental under Mineral Lands Act	Do. ...	22 10 0	...
Other sources under Mineral Lands Act	Do. ...	16 10 0	2 5 0
Exemption Fees	Do. ...	241 10 0	100 9 0
Receipts from Public Batteries	Do. ...	...	849 4 6
Receipts under Boilers Act	Do. ...	...	...
Fees—Examination of Engine-drivers	Do. ...	20 10 0	8 0 0
Survey Fees (Leases, Areas, etc.)	Do. ...	131 7 6	51 10 0
Receipts from all other sources	Do. ...	0 8 0	1 9 3
Total Mining Revenue ... ..	...	1,316 14 0	1,677 14 9

TABLE H.
Average Number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Yalgoo	185	320	50	20	235	340

TABLE I.
Water Supply during Year 1899.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Bilberatha	<i>Nil</i>	50ft.	1, about 3,000,000 gallons	5in. 79pts.
Carlaminda	"	50ft.		
Field's Find	"	70ft.		
Gullewa	"	80ft.		
Noongal	"	65ft.		
Pinyalling	"	80ft.		
Rothsay	"	75ft.		
Wadgingarra	"	70ft.		
Yalgoo	"	35ft.		
Yuin	"	60ft.		

TABLE J.
Ruling Rates of Wages during 1899.

	per week,	£	s.	d.
Miners above ground	"	3	0	0
Miners below ground	"	3	10	0
Miners, wet ground	"	4	0	0
Engine-drivers	"	4	0	0
Mechanics	"	4	0	0
Carpenters	"	4	0	0
Labourers	"	3	0	0

TABLE K.
Yield of Gold for Year ending 1899.

Goldfield.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total yield.		Average per ton in ozs., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Yalgoo	17,933	12,119	...	ozs. 17	ozs. 3,299	ozs. 12,136	ozs. '74	ozs. '67

Warden's Report on the Donnybrook Goldfield for the Year 1899.

From the Warden, Donnybrook Goldfield, to the Under Secretary for Mines.

SIR,

Donnybrook, 2nd March, 1900.

Although Donnybrook has only existed as a Proclaimed Goldfield since 27th November, 1899, gold mining has been carried on in the vicinity since the middle of 1898, as a reference to the comparative tables will show. The find was originally reported by R. L. Hunter, who still holds interests on the field. As soon as the passing of the Mining on Private Property Act of 1898 made mining upon private land practicable, leases were taken up by Hunter and others, and the promising results obtained induced an influx of population; not to be compared, however, with the rush to an alluvial field. A little sluicing was indeed done in one of the gullies during the winter of 1898, but it was hardly payable, even while the water was plentiful, and was before long abandoned.

There is, however, in the opinion of the Assistant Government Geologist, a possibility of alluvial being found in this vicinity. If this should be the case, it would probably attract a great population, the conditions of life at Donnybrook being naturally far more pleasant than upon any of the other fields of the Colony.

The climate is pleasant; there is abundance of fresh water and timber for mining and building, and there is a railway, with a daily train service, running through the field.

The original find by Hunter was rather more than two miles from Donnybrook station and township, but prospecting has gradually extended Southward until now mining is being carried on on the Upper Capel, some twelve miles Southward. To the North there has as yet been not much extension.

The field has been fortunate in having attracted the attention of Messrs. Modest Maryanski and W. G. Brookman, each of whom have had sufficient confidence in its prospects to purchase and man a large number of leases.

There is, as yet, no battery on the field, except a 2-stamp Tremain Mill and a Rigg's Patent Ball Crusher. Both of these plants have their drawbacks, and consequently very little stone has been put through them. The returns, however, for what has been crushed here and at Northam are distinctly encouraging. 295 tons have yielded an average of over $1\frac{1}{2}$ oz., the crushings varying from 16dwts. to 3ozs. Considerably under $\frac{1}{2}$ oz., probably 6 or 7dwts., would pay here, so that I am justified in believing that the field has a good future before it as soon as it is more opened up. That more has not been done I attribute to the unpleasant recollection of the Dandalup goldfield fiasco, which has given rise to a distrust of any gold discovery in the South-West. At present most of the work on the field has been done by the two gentlemen whom I have named, but this will, no doubt, be remedied in time. At the proclamation of the field I was appointed Warden, and a Resident Registrar was also appointed; since that time a court-house and Registrar's office with quarters have been erected, and proved a great convenience to the miners and officials. For this I beg to thank the Hon. the Minister. A road from the railway station to the fields is urgently needed, and should be taken in hand if possible before the wet season. The present road is over a very boggy creek, and it would not bear any heavy traffic in the winter. I understand, however, that the Works Department have this matter in hand*.

In conclusion, I must express my belief that within a reasonable time Donnybrook will take a worthy place among the gold-producing districts of the Colony.

W. A. G. WALTER,
Warden.

* Tenders have been called for this work.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
ON CROWN LANDS.		
Number of Gold Mining Leases applied for	1	96
Area of Gold Mining Leases applied for, in Acres	12	1,676
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	...	8
Number of Gold Mining Leases refused ... ..	...	3
Number of Gold Mining Leases in force ... ..	...	45
Area of Gold Mining Leases in force, in acres ... ..	...	807
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force ... ..	...	...
Number of Quartz Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force	2	22
Number of Residence Areas in force ... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	1
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Miners' Rights issued during	26	199
Number of Business Licenses issued during ... ..	...	...
ON PRIVATE PROPERTY.		
Number of Gold Mining Leases applied for	12	51
Area of Gold Mining Leases applied for, in Acres... ..	153 $\frac{1}{2}$	1,015
Number of Gold Mining Leases abandoned, surrendered, or forfeited ... ..	...	3
Number of Gold Mining Leases refused ... ..	...	...
Number of Gold Mining Leases in force ... ..	...	16
Area of Gold Mining Leases in force, in acres ... ..	...	217

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Quarry Licenses issued during	3	...
Number of Mining Licenses issued during ... ..	...	4

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.—Nil.

TABLE D.

List of Ore Reduction Plants at end of Year 1899.

Goldfield.	Number of Stamps erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Donnybrook	1 Tremain.	...	...	...	£800

NOTE.—Also a Rigg's Patent Ball-crusher.

TABLE E.

Particulars of Mining Accidents during 1898-9.—Nil.

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Donnybrook	20	35	17	14	578	910	332	...
	42	53	18	22				
	65	240	...	120				
	286	310	130	13				
	...	73	...	30				
Total	413	711	165	199	578	910	332	...

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.			Year 1899.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	Donnybrook	12	0	0	936	12	0
Other sources under Goldfields Act	Do. ...	...	...	...	240	6	0
Lease Rental under Mineral Lands Act	Do. ...	...	...	...	...	...	...
Other sources under Mineral Lands Act	Do. ...	...	...	...	0	1	0
Exemption Fees	Do. ...	...	...	...	37	15	0
Receipts from Public Batteries	Do. ...	...	...	...	...	...	...
Receipts under Boilers Act	Do. ...	...	...	...	...	...	...
Fees—Examination of Engine-drivers	Do. ...	...	...	...	...	...	...
Survey Fees (Leases, Areas, etc.)	Do. ...	...	...	...	437	10	0
Receipts from all other Sources	Do. ...	...	...	...	...	...	...
Total Mining Revenue ... ..	...	12	0	0	1,652	4	0

TABLE H.

Average number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
	Donnybrook	15	52	15	52

TABLE I.

Water Supply during Year 1899.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Donnybrook	25ft.	...	40 inches.

TABLE J.

Ruling Rates of Wages during 1899.

Miners above ground	per week,	£	s.	d.
Miners below ground	"	3	0	0
Miners, wet ground	"	3	12	0
Engine-drivers	"	4	0	0
Mechanics	"	3	12	0
Carpenters	"	3	12	0
Labourers	"	2	8	0

TABLE K.

Yield of Gold for Year ending 1899.

Goldfield.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total yield in ozs.		Average per ton (in ozs.), exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Donnybrook	295	479	ozs. 32	...	15	511	·81	1·62

For details see Mining Statistics.

*Warden's Report on the Yilgarn Goldfield for the year 1899.**To the Under Secretary for Mines, Perth.*

SIR,

I have the honour to report the progress of the Yilgarn Goldfield for the year 1899. It is with great pleasure that I can say that the prospects of this field have never been half so good as they are to-day.

Fraser's and Fraser's South Mines have risen greatly in value, and a rich lode of sulphide ore has been struck in Fraser's South, which lode is the continuation of that of the Fraser's South Extended. In Fraser's itself a good body of payable stone has been struck of about 60ft. in width. At Fraser's South Extended the developments have been wonderful, and a battery now crushes rich ore of a higher grade than has been crushed for the same large tonnage for many years, and, indeed, the tailings are richer than the battery crushing. South of Fraser's South Extended is the Day Dawn, which has now struck the Fraser's South Extended reef, and has most excellent prospects, and will shortly erect a battery. Leases are also pegged out for a great distance along the same line of reef South as far as the old Yilgarn King Lease. The undeveloped leases along this line alone show every prospect of being able to bring Southern Cross into greater importance without the aid of any other mines, though many are doing so well.

At the Central Gold Mine large cyanide plants are erected, and the proprietors are greatly pleased with the returns, which are excellent. The Central Extended tailings are to be treated in the same way.

The Golden Pig has started work again with a large complement of men, and shows good stone.

The Southern Cross Mine is bagging stone for crushing, and has as good prospects as almost any mine in the goldfield, and is a good property well developed. Other mines on the same line are doing well.

At Blackbourne and Greenmount developments continue, and a great amount of work has been done, and things look well, especially at Greenmount. At a short distance from Greenmount a new find has been made, and the crushings (some of which went nearly 2ozs. to the ton) showed that all the rich stone about Southern Cross has not yet been found in the outlying places; in fact prospecting will yet discover, without doubt, many such finds as this. The cyanide plants are likely to immensely increase the output of gold from this field; and at Fraser's mine new cyanide vats, on a very large scale, are to be erected at once.

At Hope's Hill a new 40-head battery has been erected, and is a most perfect plant, and if the water supply goes well there should be great results. The progress in this centre (Hope's Hill) has been wonderful, and a deserted place has been turned by the energy of the Manager into a busy centre, and the Government have surveyed a township there.

At Mount Jackson things are steadily improving, and its crushings of over 1oz. to the ton are likely to create a steady and prosperous state of affairs in the district generally; and great credit is due to those who have stuck to Mount Jackson through busy and dull times, and brought it to the state of success in which we now find it.

The progress of the field is very satisfactory to note, and is only the beginning of much greater things. The new leases and new batteries have greatly added to the business prosperity of the district.

A newspaper has been started, and is a great help to the field, and helps materially to advertise and assist us.

Parker's Range has a battery crushing stone, and its cyanide plants have been working during the year. There is no doubt that, when attention is again directed to Parker's Range, it will repay those who are enterprising enough to revive it.

Round Southern Cross there are many mines springing into importance, which is a good sign of the reviving fortunes of this field. The Municipal Council and Roads Board are improving the streets and roads, and making excellent progress. The School (Government), Hospital, and Mechanics' Institute are a credit to the field, and the Yilgarn Goldfield contains a prosperous and thriving community, with advantages denied to many other fields, and a most hopeful future.

The Miners' Rights for 1899 issued here were 133, as against 107 for the year 1898. The improved prospects of the district have naturally caused an increased demand for woodcutters' and timber licenses. These numbered 281, and there were 25 sandalwood licenses, giving a total timber revenue of £91 10s. In connection with the business transacted at the Warden's Court, it is a pleasing feature to note that only 29 exemptions were applied for, as against 65 for 1898. Twenty-eight leases were applied for in 1899, as against eight in 1898.

Total gold yield for Yilgarn district from 1st January, 1889, to 31st December, 1899, 139,408ozs. 11dwts. 23grs.

From these figures it will be seen that progress during the year has been satisfactory.

VICTOR BLACK,

Warden.

5th February, 1900.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	8	28
Area of Gold Mining Leases applied for, in acres	127	453
Number of Gold Mining Leases abandoned, surrendered, or forfeited...	40	23
Number of Gold Mining Leases refused ... ..	...	2
Number of Gold Mining Leases in force	43	46
Area of Gold Mining Leases in force, in acres	732	788
Number of Water Rights in force	14	17
Area of Water Rights in force, in acres	41	52
Number of Quartz Claims in force	4	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	...
Number of Residence Areas in force	24	25
Number of Business Areas in force	10	14
Number of Machine Areas in force	3	...
Number of Tailings Areas in force	6	11
Number of Garden Areas in force	3	3
Number of Miners' Rights issued during	107	133
Number of Business Licenses issued during	9	12

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for
Area of Mineral Leases applied for, in acres
Number of Mineral Leases abandoned, surrendered, or forfeited	1
Number of Mineral Leases refused
Number of Mineral Leases in force	1	...
Area of Mineral Leases in force, in acres	160	...
Number of Water Rights in force
Area of Water Rights in force
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during
Number of Quarry Licenses issued during
Number of Business Licenses issued during

TABLE C.
Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
Iron	Yilgarn	1	<i>Nil</i>	acres 160	<i>Nil</i>
	Total	1	<i>Nil</i>	160	<i>Nil</i>

TABLE D.

List of Ore Reduction Plants at end of Year 1899.

Goldfield.	Number of Stamps erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Yilgarn	115	170	...	*50	£ 35,379	£ 65,904

* But erected by end of year.

TABLE E.

Particulars of Mining Accidents during 1898-9.

	1898.	1899.
Injured	6	3
Fatal	0	2

TABLE F.

Showing Population of each District on 31st December, 1899, compared with 31st December, 1898.

Goldfield.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
* Yilgarn	547	957	246	431	793	1,388	595	...

* As furnished by the Resident Magistrate at Southern Cross.

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.	Year 1899.
Lease Rental under Goldfields Act	Yilgarn ...	£ 768 3 0	£ 703 4 0
Other sources under Goldfields Act	Do. ...	164 8 6	212 3 9
Other sources under Mineral Lands Act	Do. ...	7 10 0	...
Exemption Fees	Do. ...	137 19 0	72 16 0
Receipts from Public Batteries	Do. ...	...	...
Receipts under Boilers Act	Do. ...	...	...
Fees—Examination of Engine-drivers	Do. ...	...	...
Survey Fees (Leases, Areas, etc.)	Do. ...	67 0 0	204 10 0
Receipts from all other sources	Do. ...	6 18 6	5 10 9
Total Mining Revenue ... ..	...	£1,151 19 0	£1,198 4 6

TABLE H.

Average Number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Yilgarn	302	402	8	10	310	412

TABLE I.

Water Supply during Year 1899.

Goldfield.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Yilgarn	Surface	Surface, and at about 20 feet at Rocks	14 tanks, about 14 feet	7·48in.

TABLE J.

Ruling Rates of Wages during 1899.

	per week	£	s.	d.
Miners above ground	per week	2	14	0
Miners below ground	"	3	0	0
Miners, wet ground	"	3	15	0
Engine-drivers	"	3	15	0
Mechanics	"	3	15	0
Carpenters	"	3	15	0
Labourers	"	2	14	0

TABLE K.

Yield of Gold for Year ending 1899.

Goldfield.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total yield, in ozs.		Average per ton, in ozs., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Yilgarn	27,807·35	11,769·40	...	...	11,769·40	...	·42	..
Do.	33,403·17	16,371·78	...	...	...	16,371·78	...	·49

Warden's Report on the Pilbarra Goldfield for the Year 1899.

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

SIR,

I have the honour to submit, for the information of the Honourable the Minister, the following Report on the Pilbarra Goldfield for the year 1899.

In the first place I am pleased to be able to state the field, as a whole, has undoubtedly made steady progress during the year under review.

The discovery of the Marble Bar Tinfield (which was touched upon in last year's report) has contributed to this in no small degree. In gold mining the chief feature of interest has been the opening up of a large belt of auriferous country Eastward of Nullagine, known as the Forty Mile. This area embraces the localities known as "20-Mile Sandy," "Mosquito," "Elsie," and "Cooke's" Creeks. The action of the Government in putting down wells at these places early in the year gave prospectors an opportunity of testing the country. The result has been the discovery of many valuable reefs, which, notwithstanding the handicap of cartage to the Nullagine battery, have yielded payable returns to their owners.

Another new find during the year was Lallarook, situated about 45 miles West of Marble Bar, near the Shaw River. The rough nature of the intervening country necessitates a rather circuitous route from Marble Bar. The only discovery of any importance, so far, is the Reward Claim granted to the original prospectors.

In the older centres, Warrawoona still retains its position as the best gold-producing centre on the field. This is mainly owing to the Klondyke and the Gauntlet mines, which appear to be two very fine properties.

Yandicoogina, which rendered itself conspicuous in the earlier part of the year through some sensational crushings, failed to retain its reputation towards the close.

Bamboo Creek has been under a cloud, the silver lining of which is showing, it is hoped, by the resumption of work on the Bonnie Doon, a property belonging to an English Company.

ALLUVIAL MINING.

The production of alluvial gold was greater than for some years past. This is accounted for mainly by the discovery of some large nuggets, the largest being Clive's, gross weight 490ozs., estimated 440ozs. net; the "General Gordon" coming next, 375ozs. The Mint out-turn of this nugget, after melting, was 331·80ozs., value £1,075.

TIN.

The Marble Bar Tinfield sprang into existence about the end of April. At the close of the year 42 leases had been taken up, embracing an area of 1,181 acres, of which 1,059 acres were being actually worked. In addition to this area a large number of men were working alluvial claims. The amount of tin reported for the year was only 57·50 tons, but as the "shows" were mostly in the developmental stage, and, moreover, as there were no compulsory returns from either claim-holders or tin-buyers, this does not accurately represent the total production. With favourable conditions, I estimate the yield for the current year will be very much larger than that for 1899.

Complete details of the business transacted in the Warden's offices, and other information, will be found in the various tables accompanying this Report.

GENERAL.

The rainfall for the year was exceptionally good. At Marble Bar 30 inches were registered, and more in other portions of the district.

This, of course, was of immense benefit to the pastoralists, and in a lesser degree to the mining section of the community. With a succession of three good seasons, the pastoral outlook in this district is very bright indeed.

In conclusion, I must express my regret at the unavoidable absence of Warden Ostlund, who would have been better qualified than myself to frame a report covering this period.

FRANK WALSH,

Acting Warden, Pilbarra Goldfield.

Marble Bar, 12th April, 1900.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	92	25
Area of Gold Mining Leases applied for, in acres	766	184
Number of Gold Mining Leases abandoned, surrendered, or forfeited	18	79
Number of Gold Mining Leases refused	...	1
Number of Gold Mining Leases in force	110	58
Area of Gold Mining Leases in force, in acres	1,007	472
Number of Water Rights in force	10	10
Area of Water Rights in force, in acres	7	7
Number of Quartz Claims in force	34	63
Do. Alluvial Claims do.	...	...
Do. Protection Areas do.	24	35
Do. Residence do. do.	66	83
Do. Business do. do.	13	20
Do. Machine do. do.	13	15
Do. Tailings do. do.	3	5
Do. Garden do. do.	11	9
Do. Miners' Rights issued during	286	430
Do. Business Licenses issued during	21	23

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	10	42
Area of Mineral Leases applied for, in acres	1,080	1,181
Number of Mineral Leases abandoned, surrendered, or forfeited	16
Number of Mineral Leases refused	1
Number of Mineral Leases in force	18
Area of Mineral Leases in force	901
Number of Water Rights in force	1
Area of Water Rights in force	2 acres
Number of Lode Claims in force
Do. Alluvial Claims in force
Do. Protection Areas do.	1	2
Do. Residence do. do.
Do. Business do. do.
Do. Machine do. do.
Do. Tailings do. do.
Do. Garden do. do.
Do. Mining Licenses issued during	8	103
Do. Quarry do. do. do.
Do. Business do. do. do.
Washing Areas in force	2
Area of Washing Areas in force	2 acres

TABLE C.

*Table showing Number, Description, and Area of Mineral Leases in force
31st December, 1899.*

Description of Minerals.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
Tin	Marble Bar	<i>Nil</i>	15	<i>Nil</i>	551
Diamonds	Nullagine	<i>Nil</i>	2	<i>Nil</i>	300
Copper	Marble Bar	<i>Nil</i>	1	<i>Nil</i>	50
Total ... ..	...	<i>Nil</i>	18	<i>Nil</i>	901

TABLE D.

** List of Ore Reduction Plants at end of Year 1899.*

District.	Number of Stamps erected.		Number in course of erection.		Value of Mining Machinery.	
	1898.	1899	1898.	1899.	1898.	1899.
Marble Bar	65	80	...	...	£ 22,979	£ 30 680
Nullagine	30	30	...	...	6,640	7 500
Total	95	110	...	...	29,619	38,180

* For details see Mining Statistics.

TABLE E.
* Particulars of Mining Accidents during 1898-9.

										1898.	1899.	
Injured	1
Killed	1

* For further details see Mining Statistics.

TABLE F.
Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

District.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Marble Bar	521	557	33	49	554	606	...	...
Nullagine	86	270	6	1	92	271	...	...
Total	607	827	39	50	646	877	231	...

TABLE G.
Mining Revenue, 1898-9.

	District.	Year 1898.		Year 1899.			
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	Pilbarra	982	18	0	525	4	0
Other sources under Goldfields Act	...	571	9	6	567	7	0
Lease Rental under Mineral Lands Act	...	70	0	0	226	18	9
Other sources under Mineral Lands Act	...	5	5	0	95	15	0
Exemption Fees	...	253	9	0	137	9	0
Receipts from Public Batteries
Receipts under Boilers Act
Fees—Examination of Engine-drivers	...	29	0	0	...	...	...
Survey Fees (Leases, Areas, etc.)	...	541	10	0	404	0	0
Receipts from all other sources	...	2	9	0	1	14	0
Total Mining Revenue	...	2,456	0	6	1,958	7	9

TABLE H.
Average Number of Miners employed during 1899.

District	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Marble Bar	253	124	25	150	278	274
Nullagine	22	116	50	20	72	136
Total	275	240	75	170	350	410

TABLE I.
Water Supply during Year 1899.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh Water is struck.	Government Wells: Number.	Rainfall.
Marble Bar ...	None ...	30 feet ...	No tanks in district	30 inches
Nullagine ...	None ...	50 feet ...	No tanks in district	23 inches

TABLE J.
Ruling Rates of Wages during 1899.

	Per week.				Per week.		
	£	s.	d.		£	s.	d.
Miners above ground ...	4	0	0	Mechanics ...	5	0	0
Miners below ground ...	4	0	0	Carpenters ...	5	0	0
Miners, wet ground ...	4	0	0	Labourers ...	3	10	0
Engine-drivers ...	6	0	0				

TABLE K.
** Yield of Gold for Year ending 1899.*

District.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total yield.		Average per ton, in ozs., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Marble Bar ...	5,186	10,723	1,878	780	10,747	13,381	1.91	2.06
Nullagine ...	2,382	5,127	730	54	3,667	5,911	1.59	2.15
Total ...	7,568	15,850	2,608	834	14,414	19,292	1.83	2.09

* For details see Mining Statistics.

Warden's Report on the East Murchison Goldfield for the Year 1899.

From the Warden, East Murchison, to Under Secretary for Mines.

I have the honour to forward, herewith, for the information of the Hon. the Minister, my Report on the East Murchison Goldfield for the year ending 31st December, 1899.

I am pleased to be able to again report a steady though not large improvement for the year under review. The gold output for the year was 45,039ozs., made up as follows:—

Dollied	...	...	...	...	1,486 ounces
42,167 tons crushed for	...	...	...	...	41,925 „
Alluvial	...	...	...	...	1,628 „
Total...	...	...	...	...	45,039 „

as against 37,080ozs. for the year 1898.

Gold Mining Leases applied for, 67; abandoned and forfeited, 27; as against 51 applied for, and 82 abandoned in the year 1898; protection areas and claims applied for, 80; forfeited or abandoned, 14; as against 57 applied for, and 17 abandoned, for year 1898. Both these items show a satisfactory increase in favour of the year under review. There have been no new finds of any importance during the year.

A public battery (10-head) has been erected at Lawlers by a local company, and they are charging £1 per ton for crushing, which is very reasonable. The Government have subsidised the company to the extent of £520 for sinking the water shaft. A splendid supply of water has been obtained, and the battery is proving a benefit to the mine holders and the district generally.

LAWLERS.

A 10-head battery is being erected on the Caroline Lease, at Lawlers, by the proprietor, W. J. Lawson, who has worked this and another lease in the vicinity for the past two years, and has shown great enterprise in the way he has held on to the property under adverse circumstances; and I hope and believe he will be rewarded with success as soon as the battery is completed, which will be in a few weeks' time. At the East Murchison United, Lawlers, various new machinery has been erected during the year. A cyanide plant is also in course of erection, and almost completed; and another 20 head of stampers are to be erected immediately. This mine has been crushing consistently for the past three and a-half years, part of the time with 10, but most of the time with 20 head of stampers, and the company have lately taken up another 48 acres of Gold Mining Leases adjoining. This and the fact of continuing to erect new machinery, and paying satisfactory dividends, points to the permanency of the mine.

LAKE DARLÔT.

At Lake Darlôt many of the mines have been thrown up, and the only battery in the vicinity is at present shut down; and things in this locality are very quiet at present.

MOUNT SIR SAMUEL.

At Sir Samuel there has been an air-compressing plant for four rock drills erected on the Bellevue Mine; also concentrators, steam condensers, electric light plant, and many other improvements, and I anticipate a much larger output of gold from this mine in the future.

LAKE WAY.

During the first half of the year everything was very quiet in this locality, owing to the fact of most of the mines being under exemption, as the prospectors could not get their stone crushed and were unable to go on working without some returns. A very great improvement has taken place since. A new boiler was obtained for the Monarch Battery, which crushes with five head for the public, and this battery has been running satisfactorily since. A 10-head battery has been erected on the W.A. Goldfields Mine, also on the Golden Age. A large number of leases have been taken over by Mr. Darlington Simpson, and floated into a company called the Lake Way Goldfields, 1899, Ltd., and I understand a substantial sum is set apart for working capital, and work is begun in earnest. A cyanide plant is in course of erection, and I understand another, at least, 20-head of stampers are to be erected at once, in addition to the 20 head already erected. A branch of the Union Bank of Australia, Limited, has been opened at Wiluna (Lake Way). The erection of a telegraph line from Lawlers to Wiluna has been approved of by Parliament, and is to be proceeded with at once. Land values have gone up immensely, and almost all the town lots have been sold. I am especially pleased to be able to give such a favourable report of this locality, as it proves that I was right in what I have previously expressed as my opinion in past reports. At Kathleen Valley, 10 miles from Sir Samuel, a 10-head battery is in course of erection by a syndicate of working men; they deserve great credit for their enterprise, and I believe will be rewarded with great success. This battery should prove of much benefit to the locality, as there are many promising reefs unable to be worked owing to the lack of means of getting stone crushed.

In conclusion, I have much pleasure in stating that, taking the field as a whole, there has been a steady improvement, and mines are being worked by working men for what they are worth, and not purely for flotation, as was so often the case in past years. I anticipate a continuing steady improvement during the coming year for the whole district, and if the leaseholders at Darlôt can obtain a cheaper rate of crushing, a very marked improvement will take place in that locality.

I have, etc.,

A. G. CLIFTON,

Warden, East Murchison.

Lawlers, 24th January, 1900.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	52	68
Area of Gold Mining Leases applied for, in acres	571	856
Number of Gold Mining Leases abandoned, surrendered, or forfeited	82	34
Number of Gold Mining Leases refused	4	1
Number of Gold Mining Leases in force	118	112
Area of Gold Mining Leases in force, in acres	1717	1524
Number of Water Rights in force	20	21
Area of Water Rights in force, in acres	24	29
Number of Quartz Claims in force	15	32
Do. Alluvial Claims do.	3	3
Do. Protection Areas do.	87	99
Do. Residence do. do.	98	62
Do. Business do. do.	32	29
Do. Machine do. do.	5	6
Do. Tailings do. do.	5	6
Do. Garden do. do.	12	18
Do. Miners' Rights issued during	450	370
Do. Business Licenses issued during	23	8

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	3	...
Area of Mineral Leases applied for, in acres	4	...
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	...	3
Number of Mineral Leases refused ... ..	...	...
Number of Mineral Leases in force	3	...
Area of Mineral Leases in force, in acres	4	...
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Do. Alluvial Claims in force ... ..	...	...
Do. Protection Areas in force ... ..	...	...
Do. Residence do. do. ... ..	...	...
Do. Business do. do. ... ..	...	...
Do. Machine do. do. ... ..	...	...
Do. Tailings do. do. ... ..	...	...
Do. Garden do. do. ... ..	...	...
Do. Mining Licenses issued during ... ..	...	...
Do. Quarry Licenses issued during	4	17
Do. Business Licenses issued during ... ..	...	...

TABLE C.

[The three Mineral Leases applied for in 1898 were solely for brick-making purposes, see Table B.]

TABLE D.

**List of Ore Reduction Plants at end of Year 1899.*

Goldfield.	Number of Stamps Erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
East Murchison	97	144	...	...	£43,514	£68,915

* For details see Mining Statistics.

TABLE E.

** Particulars of Mining Accidents during 1898-9.*

	1898.	1899.
Injured	5
Killed	1

* For details see Mining Statistics.

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

Mining Centres.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Lawlers	275	350	25	40	300	390	90	...
Lake Way	140	185	10	15	150	200	50	...
Sir Samuel	100	145	15	15	115	160	45	...
Lake Darlôt	200	40	3	4	203	44	...	159
Wilson's	35	7	...	...	35	7	...	28
Total	750	727	53	74	803	801	185	*187

* Total decrease, 2.

TABLE G.
Mining Revenue, 1898-9.

	District.	Year 1898.			Year 1899.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	East Murchison	1,525	8	0	1,617	11	0
Other sources under Goldfields Act	599	8	6	454	5	0
Lease rental under Mineral Lands Act	0	15	0	...	...	...
Other sources under Mineral Lands Act	2	5	0	...	...	...
Exemption Fees	283	18	0	296	1	0
Receipts from Public Batteries
Receipts under Boilers Act
Fees—Examination of Engine Drivers	39	0	0	16	10	0
Survey Fees (Leases, Areas, etc.)	346	18	0	479	2	6
Receipts from all other sources	2	14	0	4	8	3
Total Mining Revenue	2,800	6	6	2,867	17	9

TABLE H.
Average number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
	East Murchison	458	550	50	50	508	600

TABLE I.
Water Supply during Year 1899.

Mining Centres.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Lawlers ... ..	...	60 feet	Nil	6.10
Lake Darlôt	60 feet	20	Nil	Not known
Sir Samuel	80	60	Nil	do.
Lake Way	60	60	Nil	do.

TABLE J.
Ruling Rates of Wages during 1899.

	Per week.				Per week.		
	£	s.	d.		£	s.	d.
Miners above ground	3	10	0	Mechanics	4	10	0
Miners below ground	4	0	0		and 5	0	0
Miners, wet ground	4	10	0	Carpenters	4	10	0
Engine-drivers	4	10	0	Labourers	3	10	0

TABLE K.
* Yield of Gold for Year ending 1899.

Goldfield.	Tons crushed.	Return in ozs.	Alluvial.	Specimens, if any.	Total Yield.		Average per ton, in ozs., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
East Murchison	42,167	41,925	1,628	1,486	37,080	45,039	1.10	.99

* For details see Mining Statistics.

Acting Warden's Report on the Ashburton Goldfield for the Year 1899.

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 this Goldfield for the year 1899.

Dead Finish.—The workings at this place are distant about seven miles West of my camp, which is situated on the Gregory Deep Creek, locally known as O'Grady's Creek, about six miles in an Easterly direction from Trig. No. C. 8. At the present time there are 10 men fossicking in the old gullies for alluvial; they are making from "tucker" to wages, most of them "tucker" only. The drawback to this place is the distance from permanent water, the diggers having to pack it five miles from the Ashburton River. On this account the locality has been neglected by prospectors and others. Two wells have been sunk, one by the diggers, the other by the Government at a cost of about £300, but, unfortunately, the water obtained is of a bad quality, not even fit for stock.

Mount Mortimer is about 30 miles West from camp, and about 190 miles in a South-Easterly direction from Onslow. There are 10 men working the alluvial and cement, and I have no doubt the latter, now that a plentiful supply of fresh water has been obtained in the well at the workings, will be systematically worked by men who were only waiting a water supply. The cement is very hard, and is from 6ft. to 12ft. deep. The district will now also be prospected for reefs and deep leads, it being the opinion of many diggers that a deep lead will be found.

The Gorge working is about 30 miles South-West from my camp. The leases worked at this place have been abandoned. 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 holders were forced to throw them up; 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 payable reefs and leaders exist in the vicinity. The district is also favourable for minerals, as a small parcel of stone forwarded to the Department for assay gave a good percentage of copper and silver, and from a trace to 23dwts. of gold per ton.

The Soldier's Secret is distant about 30 miles in a Southerly direction from camp. Quite a number of men were engaged during the year working for alluvial in the old gullies and surface patches; they made from tucker to good wages. About September Donald Campbell, an old and experienced digger, made a new find of alluvial in a gully about four and a-half miles from the main camp, and I am pleased to say a number of claims proved payable; a surface patch was also discovered about the same time, from which good results were obtained. No leases have yet 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; and can be traced for a considerable distance. There is a good piece of auriferous country between the "Secret" and the "Top Camp," and I am of opinion that when a sufficient supply of water is obtained in the well now being sunk by the Government to enable prospectors to test the locality, new finds of both reef and alluvial will be made in this belt of country.

Top Camp is about 45 miles in a South-Easterly direction from my camp. A number of men were engaged during the year fossicking for alluvial, with varying results, the majority making "tucker" only. Fairly good results have been obtained from the quartz claims applied for; the leaders at the Top Camp have now been worked by numerous parties with various results, although nothing sensational has been struck.

The well about seven miles from the workings is now being deepened and repaired, and when in good order and a supply of water obtained it will afford prospectors an opportunity to prospect the district, some of whom have been waiting a long time to do so.

Outside.—Under this heading I include McKenzie's, the Hardey, the Turner, the Tooree, and the 7-Mile; at each of these places men are fossicking and prospecting in the vicinity, and now that the season is favourable, there is every probability of new finds being made. From Stuart and Bailey's leader, at Hern's Find, 57ozs. of gold were dollied from 1cwt. of stone.

The mineral leases applied for at Red Hill are being worked for copper, and from accounts I hear the holders, who are giving the leases a good trial, are well satisfied with their properties. A parcel of six tons of ore has been carted and shipped for treatment, and is expected to give a good return.

Conclusion.—This goldfield offers good inducement to well-equipped prospectors, as the various small belts of auriferous country have been but slightly prospected, and where systematically prospected finds have been made, and prospectors satisfied with the results obtained. The numerous old workings provide from "tucker" to wages to the fossicker. There is a fairly good supply of rations on the field.

The gold return increased from 500·63ozs., in 1898, to 1,659·10ozs. in 1899.

I have, etc.,

A. PHELPS,

Acting Warden, Ashburton Goldfield.

Mt. Mortimer, 27th March, 1900.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for ... ..	...	...
Area of Gold Mining Leases applied for, in acres ... ..	...	...
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	2	3
Number of Gold Mining Leases refused ... ..	...	...
Number of Gold Mining Leases in force	2	...
Area of Gold Mining Leases in force, in acres	24	...
Number of Water Rights in force	3	3
Area of Water Rights in force, in acres	3	3
Number of Quartz Claims in force	4	5
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	...
Number of Residence Areas in force ... ..	...	...
Number of Business Areas in force	1	1
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Miners' Rights issued during	37	45
Number of Business Licenses issued during	2	3

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
*Number of Mineral Leases applied for
*Area of Mineral Leases applied for, in Acres
*Number of Mineral Leases abandoned, surrendered or forfeited
*Number of Mineral Leases refused
*Number of Mineral Leases in force
*Area of Mineral Leases in force
Number of Water Rights in force
Area of Water Rights in force
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force	2
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	8
Number of Quarry Licenses issued during
Number of Business Licenses issued during

* Leases have been applied for at Red Hill, but being outside boundary of Goldfield, applications forwarded and lodged at Head Office.

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.—See remarks, Table B.

TABLE D.

List of Ore Reduction Plants at end of Year 1899.—Nil.

TABLE E.

Particulars of Mining Accidents during 1898-9.—Nil.

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with 31st December, 1898.

Mining Centres.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Dead Finish	5	20	2	2	7	22	15	
Gorge	2	6	...	...	2	6	4	
Mount Mortimer	3	6	...	...	3	6	3	
Outside ... ..	...	20	...	...	...	20	20	
Soldier's Secret	3	22	...	...	3	22	19	
Top Camp	3	15	...	...	3	15	12	
Tannaradgie	30	4	...	...	30	4	...	26
Total	46	93	2	2	48	95	73	26

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.			Year 1899.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	Ashburton ...	27	14	0	...	...	...
Other sources under Goldfields Act	Do. ...	35	10	0	32	18	0
Lease Rental under Mineral Lands Act	Do. ...	...	...	...	3	8	6
Other sources under Mineral Lands Act	Do. ...	...	...	...	2	16	0
Exemption Fees	Do. ...	4	4	0	2	2	0
Receipts from Public Batteries	Do. ...	...	...	...	...	...	...
Receipts under Boilers Act	Do. ...	...	...	...	...	...	...
Fees—Examination of Engine-drivers	Do. ...	...	...	...	...	...	...
Survey Fees (Leases, Areas, etc.)	Do. ...	2	0	0	5	10	0
Receipts from all other Sources	Do. ...	0	2	0	...	...	...
Total Mining Revenue ... ..	...	69	10	0	46	14	6

TABLE H.

Average number of Miners employed during 1899.

Mining Centres.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Dead Finish	12	6	*20	*55	*32	*61
Gorge						
Mount Mortimer						
Outside						
Soldier's Secret						
Top Camp						
Tannaradgie						
Total	12	6	*20	*55	*32	*61

* Approximate.

TABLE I.

Water Supply during Year 1899.

Mining Centres.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Dead Finish	97ft.	Nil.	Nil.	} 6in. 12pts.
Gorge	Nil.	60ft.	...	
Mount Mortimer ... ..	...	60ft.	...
Outside ... ..	...	from 35ft.	...
Soldier's Secret ... ..	...	50ft.	...
Top Camp ... ..	...	50ft.	...
Tannaradgie ... ..	...	60ft.	...

TABLE J.

Ruling Rates of Wages during 1899.

		£	s.	d.
Miners above ground	... .. per week	4	0	0
Miners below ground	... .. "	4	0	0
Miners, wet ground "			
Engine-drivers "			
Mechanics "			
Carpenters "			
Labourers	... .. "	3	0	0

Acting Warden's Report on the Kimberley Goldfield for the Year 1899.

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

SIR,

Hall's Creek, 18th January, 1900.

I have the honour to submit, herewith, my Annual Report, for the information of the Hon. the Minister of Mines.

Since my last Report I have obtained a better knowledge of the field, and am therefore enabled to speak with more authority.

Reefing is almost at a standstill, the only mine of any note being the Ruby Queen, which has proved itself a consistent yielder. Although the ore is low grade, this mine is worked all the year round, but its battery is only kept going for about four or five months during the year, and that in the wet season, as water is only available then.

The rainfall for the past year has been over 22 inches, and water could, with little expense, be easily conserved.

There has been little or no capital spent in systematically developing the mines, and I am convinced that much poorer mines have paid dividends in other parts of the Colony.

The field at present is purely a fossicking one, and I am pleased to state that a fair amount of alluvial gold has been obtained during the past year. One claim at the Mary River won over eighty ounces out of a slate leader, also the alluvial workings at that place and Macphie's Creek have proved to be payable, and several pockets have been found. The Brockman and Dry Creek are also being worked with fair results. As the Pastoral is combined with the Mining industry, the bulk of the fossickers find employment on the stations during the dry season, and find their way back to the alluvial workings during the "wet," all being satisfied that a good living can be made on Kimberley.

I will here explain the basis on which the gold yield is framed. I wish to impress that it is absolutely impossible to arrive at the exact gold yield, as alluvial gold is the current money in these parts, and the same gold is in constant circulation. Several fossickers obtain their rations at the Fitzroy Crossing and Derby, there being no inducement for them to come to this centre, as the prices of rations are so exorbitant. Information is gained from the storekeepers, approximately the number of ounces received for the month, and the same from a few of the miners; hence the monthly yields reported by me, if anything, are underestimated.

Lastly, I may here mention that the pastoral industry is making rapid strides, and prices for cattle are high. Most, if not all, the permanent waters have been taken up, but millions of acres of splendid grazing country exist, but without permanent waters, and, with our good rainfall, water could, comparatively speaking, be conserved at a small cost. I predict a great future for Kimberley in this direction in the near future.

I have, etc.,

D. W. GREEN,
Acting Warden.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	1
Area of Gold Mining Leases applied for, in acres	6
Number of Gold Mining Leases abandoned, surrendered, or forfeited
Number of Gold Mining Leases refused
Number of Gold Mining Leases in force	3	3
Area of Gold Mining Leases in force, in acres	32	32
Number of Water Rights in force
Area of Water Rights in force
Number of Quartz Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Miners' Rights issued during	54	28
Number of Business Licenses issued during	1

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act—Nil.

TABLE D.

** List of Ore Reduction Plants at end of Year 1899.*

Goldfield.	Number of stamps erected.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.
Kimberley	70	70	£ 6,730	£ 8,305

* For details, see Mining Statistics.

TABLE E.

Mining Accidents during 1898-9.—Nil.

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.	Year 1899.
Lease Rental under Goldfields Act	Kimberley ...	£ s. d. 13 0 0	£ s. d. 13 0 0
Other sources under Goldfields Act	Do. ...	58 1 0	41 12 8
Lease Rental under Mineral Lands Act	Do. ...	...	...
Other sources under Mineral Lands Act	Do. ...	...	...
Exemption Fees	Do. ...	...	0 10 0
Receipts from Public Batteries	Do. ...	...	...
Receipts under Boilers Act	Do. ...	...	...
Fees—Examination of Engine-drivers	Do. ...	...	...
Survey Fees (Leases, Areas, etc.)	Do. ...	...	5 0 0
Receipts from all other sources	Do. ...	...	...
Total Mining Revenue ... ..	...	71 1 0	60 2 8

TABLE H.

Average number of Miners employed during 1899.

Goldfield.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Kimberley	15	12	40	40	55	52

TABLE J.

Ruling Rates of Wages during 1899.

	£	s.	d.
Miners above ground per week	4	0	0
Miners below ground „	4	0	0
Miners, wet ground „	4	0	0
Engine-drivers „	4	10	0
Mechanics „	4	10	0
Carpenters „	4	10	0
Labourers „	4	0	0

TABLE K.

** Yield of Gold for Year ended 1899.*

Goldfield.	Tons crushed.	Return in ozs.	Alluvial.	Specimens (if any).	Total yield.		Average per ton in ozs., exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Kimberley	694	500·15	417	...	440	917·15	·74	·72

* For details, see Mining Statistics.

*Acting Warden's Report on the West Pilbarra Goldfield for the Year 1899.**The Under Secretary for Mines, Perth.*

SIR,

I have the honour, in the absence of the Warden, and by request, to forward, for the information of the Honourable the Minister for Mines, the following General Report on the West Pilbarra Goldfield for the year ending 31st December, 1899:—

Notwithstanding a few disappointments, the progress made generally during the year was eminently satisfactory.

As was anticipated, more attention was given to copper and other base metals than to gold, and it is with this branch of the mining industry that I will treat first.

During the month of May, the purchase of The Egina, Balla Balla, Mons Cupri, and Balla Balla Block No. 1 Copper Mines, by The Balla Balla Copper Mines, Limited, was completed, the total area being 120 acres. The Company is a duly incorporated English one, with a nominal capital of £250,000. Later in the year the three latter leases were conditionally surrendered, and a fresh lease, comprising the whole of the areas surrendered, together with an additional 30 acres, was applied for, the application being approved of in December last.

Since the completion of the purchase above referred to, this company has expended a sum of nearly £500 each month in wages. The ground has been systematically prospected, and a shaft 200ft. deep has been sunk on the Egina property. A parcel of 332 tons of ore, averaging 15 per cent. of copper, was shipped to England for treatment in June, and so satisfied are the directors of the permanency and richness of the lodes that they have decided to erect smelters with as little delay as possible.

From the latest reports to hand, these smelters should be erected and working by this date next year, when a new era in the mining industry of this district should set in.

At the Whim Well Copper Mine, Whim Creek (a freehold of 100 acres acquired under the Lands Act of 1882), the first six months of the year were spent in the extraction, classification, bagging, and transit of a shipment of high-grade ore to Swansea, a total net weight of 2,012 tons, the assay value averaging 27·62 per cent. of copper, valued at about £42,000.

This parcel was a representative sample from this property, the principal points being Nos. 1, 2, and 3 Hill's Central Quarry and No. 2 Tunnel.

From No. 2 Tunnel stope 657 tons of ore were bagged, having an average value of 32·20 per cent. of copper. The whole of this 657 tons—with the exception of nine tons of low-grade ore taken from the hanging wall—was mined and bagged without any classification, thus proving the exceptionally rich lode existing in this tunnel.

Over 100 tons of ore, representing the assay sample of this shipment, were reduced through a small jaw and roller crushing machine, and assayed on the mine.

During this half-year an average of 45 men was employed, and 16 teams (horses and bullocks) were used carting the ore to the port of Balla Balla.

At Croydon there are three mineral leases being worked—The Croydon King, The Boston, and The Evelyn Copper Mines.

On this latter lease considerable work has been done during the year. Five shafts have been sunk, ranging from 29ft. to 60ft. in depth, and a total of 165ft. of driving. Deeper development was suspended until a pump was purchased, in order to cope with the excessive water supply.

This pump, and also the necessary hauling machinery, has now been erected, and should be started almost immediately.

About 150 tons of copper ore have been sent away for treatment, having an approximate assay value of 20 per cent. copper.

I may explain that some of the ore mentioned as having been shipped from the above-mentioned properties during the year was, in some cases, raised prior to 1899, and not removed from the mines.

Of gold mining I have to report as follows:—

At Towranna, The Towranna, The Towranna Queen, and the Yellow Aster Leases have been systematically and constantly worked during the year, and extensive developments carried out.

Early in the year the two former properties, of twelve and five acres respectively, were amalgamated, and the lessees (The Towranna Gold Mines of Western Australia, Ltd., a duly incorporated English company, with a nominal capital of £125,000) have, since July, worked as tributors The Yellow Aster Lease, a 24-acre block, owned by The Consolidated Gold Mines of Western Australia, Ltd.

In addition to the 10-head battery on the Yellow Aster, there is also a 10-head Frazer and Chalmer's battery, with twin 6-ton Cornish boilers, compound condensing engines, 90-horse power, etc., erected and completed early in the year.

During the year 670 tons were crushed for a return of 809·16ozs. of smelted gold, an average of 1·20ozs. per ton.

At Hong Kong, The Queen Victoria, The Princess May, and The Empress Leases, each possessing an area of twelve acres, and owned by The Empress Gold Mines, Ltd., a duly incorporated English company, are being worked.

In addition to a Tremain Mill this company, towards the close of the year, purchased a 10-head battery, which should be ready for use at an early date.

The main shaft on the Empress is now being sunk to cut the reef at the 100ft. level.

During the year 193 tons were crushed at the Tremain Mill, giving a return of 366·67ozs., or an average of 1·90ozs. per ton. There is now a considerable quantity of ore at grass, from which equally good results are anticipated.

A crushing of 16·85 tons taken from the Stray Shot Lease (now abandoned) at Mallina was also put through this mill, and returned 23·90ozs. of gold.

The Egina field still continues to support a few alluvial diggers, an average of something like 15 men being engaged during the year. A few nice patches were discovered about six miles South-West from the main camp, at a place known as Station Peak.

At Pilbarra some 30 men are earning a living in the old diggings; a few slugs having been picked up, varying in weight from 1 to 8ozs. The places chiefly favoured are in the vicinity of "Naughton's," "Surface," "Top Camp," and "Broken Hill."

At Lower Nicol four leases were taken up during the year, and at Weerianna two leases, but very little work was done at either centre.

At the former place an average of four men was engaged fossicking during the year, obtaining very fair results.

One of the greatest drawbacks to the advancement of the mining industry in this district is the excessive cost of transit. The rates from Roebourne to Whim Creek are from £4 to £5 per ton, whilst to Hong Kong teamsters require from £7 to £8 per ton.

Firewood is very scarce in most centres, the price delivered at the mines varying from 25s. to 35s. per cord.

There is a growing feeling amongst the miners and settlers in this district that its rich mineral deposits claim for it the benefit and assistance of a light line of railway, and there can be no doubt that the development of the undoubted mineral wealth of this district would receive an immense impetus by the provision of a cheaper and quicker means of transit.

No serious accidents were reported during the year, and the health of the miners and others has been singularly good.

The total production of gold won was 1,199·73ozs. from ore crushed, and 735·07ozs. alluvial.

The accompanying tables give an accurate summary of the working and progress made in the district during the year.

In conclusion, I venture to solicit the indulgence of the Hon. the Minister for the terseness of this report, and for its many defects. Not having been able to personally visit the various centres, I have laboured under great disadvantages, but have spared no trouble in collecting data from reliable and trustworthy sources.

I have, etc.,

LLEWELLYN PRINCE,

Mining Registrar, for Warden.

25th June, 1900.

TABLE A.

Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	2	7
Area of Gold Mining Leases applied for, in acres	24	72
Number of Gold Mining Leases abandoned, surrendered, or forfeited ...	23	1
Number of Gold Mining Leases refused ... ..	...	...
Number of Gold Mining Leases in force	7	9
Area of Gold Mining Leases in force, in acres	89	101
Number of Water Rights in force	1	...
Area of Water Rights in force, in acres	2	...
Number of Quartz Claims in force ... ..	...	1
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force ... ..	...	5
Number of Residence Areas in force	17	14
Number of Business Areas in force	14	14
Number of Machine Areas in force	1	3
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force	2	1
Number of Miners' Rights issued during	96	121
Number of Business Licenses issued during	8	14

TABLE B.

Application for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	11	9
Area of Mineral Leases applied for, in acres	265	315
Number of Mineral Leases abandoned, surrendered, or forfeited ...	2	12
Number of Mineral Leases refused ... ..	...	...
Number of Mineral Leases in force	18	16
Area of Mineral Leases in force, in acres	490	499
Number of Water Rights in force	1	2
Area of Water Rights in force, in acres	5	6
Number of Lode Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force	2	4
Number of Residence Areas in force	7	6
Number of Business Areas in force	3	2
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force	1	1
Number of Mining Licenses issued during	48	47
Number of Quarry Licenses issued during ... ..	...	...
Number of Business Licenses issued during	3	1

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force
31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
Copper	Egina	3	2	60	40
Copper	Whim Creek	7	5	240	235
Copper	Upper Nicol	1	1	40	40
Copper	Croydon	1	1	40	40
Copper	Pilbarra	1	...	20	...
Copper	53 miles from Roe- bourne	...	1	...	24
Copper	Roebourne ... ..	...	1	...	5
Flux (Ironstone)	Whim Creek	4	4	75	75
Silver and Lead	Roebourne	1	...	15	...
Copper, Silver, and Lead	Mt. Negri ... ..	...	1	...	40
		18	16	490	499

TABLE D.

* List of Ore Reduction Plants at end of Year 1899.

Mining Centre.	Number of Stamps Erected.		Number in course of Erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Hong Kong	1 t.	1 t.	...	...	£	£
Lower Nicol ... ..	...	1 P.R.	...	...	No details	2,500
Towranra	10	20	...	...	supplied.	165
						6,650
Total	10	20	...	...	4,030	9,315

* For details, see Mining Statistics. t. Signifies Tremain Mills. P.R. Signifies Prospecting Mill.

TABLE E

Particulars of Mining Accidents during 1898-9.

	Year 1898.	Year 1899.
Total Number of Accidents not ending fatally	1	Nil
Total Number of Accidents ending fatally	Nil	Nil

TABLE F.

Showing Population of each District on 31st December, 1899, as compared with
31st December, 1898.

Mining Centres.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Balla Balla	30	20	2	2	32	22	...	10
Croydon	9	24	...	1	9	25	16	...
Egina	10	13	...	...	10	13	3	...
Hong Kong	25	30	...	...	25	30	5	...
Lower Nicol	3	9	...	...	3	9	6	...
Mallina	3	7	1	1	4	8	4	...
Mons Cupri	12	17	...	1	12	18	6	...
Pilbarra	35	32	...	...	35	32	...	3
Towranra	35	35	...	1	35	36	1	...
Whim Creek	30	22	2	2	32	24	...	8
Total	192	209	5	8	197	217	*41	21

*Net increase, 20.

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.			Year 1899.		
		£	s.	d.	£	s.	d.
Lease Rental under Goldfields Act	West Pilbarra	93	8	0	108	7	0
Other sources under Goldfields Act	Do. ...	155	2	0	224	1	6
Lease Rental under Mineral Lands Act	Do. ...	110	6	3	103	13	9
Other sources under Mineral Lands Act	Do. ...	27	0	0	43	14	2
Exemption Fees	Do. ...	127	7	0	81	0	6
Receipts from Public Batteries	Do. ...	...	...	...	...	...	...
Receipts under Boilers Act	Do. ...	...	...	...	...	...	...
Fees—Examination of Engine-drivers	Do. ...	7	10	0	...	...	...
Survey Fees (Leases, Areas, etc.)	Do. ...	109	8	0	110	10	0
Receipts from all other Sources	Do. ...	2	18	0	0	16	0
Total Mining Revenue ... ..	...	£632	19	3	£672	2	11

TABLE H.

Average Number of Miners employed during 1899.

	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Gold Mining	55	48	73	68	128	116
Minerals other than Gold	47	90	...	...	47	90
Total	102	138	73	68	175	206

TABLE I.

Water Supply during Year 1899.

District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Croydon	Fresh 25 feet	...	About 16 inches
Egina	" 110 "	...	" 16 "
Hong Kong	" 60 "	...	" 14 "
Lower Nicol	" 30 "	...	" 11 "
Mallina	" 37 "	...	" 16 "
Mons Cupri	Stock 70 "	...	" 17 "
Pilbarra	Fresh 25 "	...	" 16 "
Towranna	" 110 "	...	" 15 "
Weerianna	" 46 "	...	" 10 "
Whim Creek	" 75 "	...	" 17 "

TABLE J.

Ruling Rates of Wages during 1899.

	per week	£	s.	d.
Miners above ground	3	0	0
Miners below ground	3	10	0
Miners, wet ground	4	0	0
Engine-drivers	4	0	0
Mechanics	4	0	0
Carpenters	4	0	0
Labourers	3	0	0

TABLE K.

*Yield of Gold for Year ending 1899.

Mining Centre.	Tons crushed.	Return in ozs.	Alluvial.	Specimens (if any).	Total yield in ozs.		Average per ton in ounces, exclusive of Alluvial and Specimens.	
					1898.	1899.	1898.	1899.
Hong Kong (Pilbarra)	193'00	366'67	...	...	...	...	1'90	1'90
Mallina	16'85	23'90	...	...	...	...	...	1'41
Towranna	670'00	809'16	...	...	...	...	...	1'20
From Goldfield generally ... ..	...	...	735'07	...	...	...	...	...
Total	879'85	1,199'73	735'07	...	326'70	1,934'80	1'61	1'36

* For details, see Mining Statistics.

*Report on Collie River Coal Mining District for 1899.**To the Under Secretary for Mines, Perth.*

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 revival of mining activity, which began with the re-opening of the Government Mine towards the close of 1898, has been well maintained throughout the year 1899. Particulars as to the Mining Revenue derived from the Collie Coalfield are appended, which show a satisfactory increase.

As regards mining generally, the Wallsend Mine, which has been equipped with new machinery and a larger stage for loading trucks during the year, is still the chief producer of coal, though the Proprietary Company have been employing a considerable number of men, and so soon as they are prepared to sink the necessary capital in opening up the larger seams which underly their present workings, will no doubt enter into serious competition. The West Collie Company, who have during the year acquired the Westralia Leases, as well as those formerly known as the Collieburn and the Colliegrove, are now the holders of about 7,000 acres, on which boring and prospecting work has been carried on. This work has quite recently been successful in demonstrating the existence of a payable seam of coal, between four and five feet in thickness, at a distance of about a mile West of the township. More recently formed companies are the Collie Trust, who hold four leases, and the Collie Boulder, who own 13. On these properties, so far, only prospecting work has been done.

PROSPECTS OF THE FIELD.

The success attending the operations at the Wallsend Mine—a success largely due to the energy and enterprise of the lessee, Mr. H. M. Deakin, but which he unfortunately did not live to fully enjoy—has induced others to take up fresh leases or abandoned ground. The number of applications for leases in 1898 was four; in 1899, 17; while in the first two months of 1900 there have been 38 applications. It is obvious that if mining operations as now conducted on two leases, with an area of 500 acres, do in some measure supply the local demand for coal, that a fresh market must be discovered if any appreciable fraction of the other hundred leases now held or applied for is to be worked. This new market, it has been felt for some time, must be found on the goldfields, but the long distance the coal has to travel, with the consequent heavy freight, has checked any considerable development in this direction. With a view to obviate in some degree this difficulty, a movement has been set on foot in Bumbury and at the Collie to promote the building of a railway from the coalfield to some point on the Northam-Yilgarn line, which, it is maintained, would reduce the distance to be traversed by 100 miles, and the freight in proportion. A flying survey of the country that would be opened up by this line has been made, the results of which, I understand, have been laid before the Government. There is no doubt, I think, that in the near future the production of coal on this field will overtake the present demand, and from this point of view the proposed line would be of great advantage.

ACCIDENTS.

There were four serious mining accidents in 1899, as compared with one in 1898, a large increase but not out of proportion with the increase in mining done. Two inquiries were held; in the other two cases there were no inquiries, as in the case of one accident the only witnesses were the sufferers who were removed for treatment, and did not return; while in the other case the Inspector reported that no inquiry was necessary.

OFFICE.

During the year the work, especially in connection with the Land sales, increased very considerably; the sales held in June and July being very largely attended.

PUBLIC BUILDINGS.

In my last report I had occasion to point out the almost entire absence of public buildings in the township, but this deficiency is now being made good. In addition to a Post Office there is now a Police Station with Lockup, and a Government School, where the attendance is between 80 and 90; a Registrar's Office, with Courthouse attached, is also in course of erection. There are three places for public worship, built by the Wesleyans, the Church of England, and the Roman Catholics; and a hospital is either completed or soon to be completed.

The figures appended show more clearly than words the progress made during the year 1899, which progress will, I think, be maintained during the present year.

I have, etc.,

RAYMOND GEE,

Registrar.

Collie Coalfield, March 30th, 1900.

TABLE B.

COLLIE COALFIELD.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	4	17
Area of Mineral Leases applied for, in acres	1,280	5,440
Number of Mineral Leases abandoned, surrendered, or forfeited	26	5
Number of Mineral Leases refused ... ..	...	...
Number of Mineral Leases in force	64	71
Area of Mineral Leases in force, in acres	19,973	22,213
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force ... ..	...	...
Number of Lode Claims in force ... ..	...	...
Do. Alluvial Claims do. ... ..	...	...
Do. Protection Areas do. ... ..	...	...
Do. Residence do. do. ... ..	...	...
Do. Business do. do. ... ..	...	...
Do. Machine do. do. ... ..	...	...
Do. Tailings do. do. ... ..	...	...
Do. Garden do. do.	1	1
Do. Mining Licenses issued during	10	5
Do. Quarry Licenses issued during ... ..	...	...
Do. Business Licenses issued during	3	...

TABLE D.

** List of Ore Reduction Plant at end of Year 1899.*

Mining District.	Value of Mining Machinery.	
	1898.	1899.
Collie	£7,855

* For details, see Mining Statistics.

TABLE E.

Particulars of Mining Accidents during 1898-9.

	*1898.	1899.
Injured	1	5
Killed ... ..	...	1

* The one accident in 1898 was not shown in the Goldfields List for that year.

TABLE F.
Showing Population of each District on 31st December, 1899, as compared with
31st December, 1898.

Mining District.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Collie	200	400	100	200	300	600	300	...

TABLE G.
COLLIE COAL FIELD.
Mining Revenue, 1898-9.

	District.	Year 1898.	Year 1899.
		£ s. d.	£ s. d.
Lease Rental under Goldfields Act
Other sources under Goldfields Act
Lease Rental under Mineral Lands Act	523 15 6	821 2 0
Other sources under Mineral Lands Act	75 2 6	854 0 0
Exemption Fees	146 18 0	6 16 0
Receipts from Public Batteries
Receipts under Boilers Act
Fees—Examination of Engine Drivers	4 10 0	14 0 0
Survey Fees (Leases, Areas, etc.)	95 18 0	8 8 0
Receipts from all other sources	0 10 0	0 10 0
Total Mining Revenue	846 14 0	1704 16 0

TABLE H.
Average Number of Miners employed during 1899.

Mining District.	Miners employed.	
	1898.	1899.
Collie River	70	186

TABLE J.
Ruling Rates of Wages during 1899.

	Per week. £ s. d.		Per week. £ s. d.
Miners above ground ... ..	...	Engine-drivers	3 0 0
Miners below ground	*4 4 0	Mechanics	3 0 0
Wheelers	2 14 0	Carpenters	3 0 0
Miners, wet ground ... ..	...	Labourers	2 8 0

* Miners being paid by results, this only represents an average. Men working in wet ground get a small bonus; and some men, driving headings, make as much as £6 per week.

TABLE K.
Yield of Coal for Year ending 1899.

Mining District.	Tons of Coal, 1898.	Tons of Coal, 1899.
Collie River	3,508	54,336

Report on the Greenbushes Tinfields for the Year 1899.

To the Under Secretary for Mines.

SIR,

In reporting upon this field for the year 1899 I have, for the first time for many years, to report a great increase in activity and development. There were indications of this at the end of 1898, consequent upon a rise in the price of tin ore. This rise continued, and attracted to the field a large number of workers and others. I had the honour to forward you, on 12th July last, a report for the previous half-year, giving the transactions for that period as against those for the preceding 12 months.

The similar figures attached to this report will show that the improvement continued throughout the year.

The population, which I estimated as being about 800 in June, increased, until at one time it was about 1,500. According to the latest census taken by the police, there are now just over 1,000 persons within three miles of the Post Office.

The residence and business areas laid out to the North of the Post Office and Courthouse have been proclaimed a town, consisting principally at present of one street.

The Registrar's Court and office, as well as the Post Office and Government schools, have been altered and enlarged to admit of the increased business being done. Quarters for the officials of the Department have also been erected, and the Police Quarters and Lock-up are in course of erection.

Since my last report the railway service has been improved, and there is now a daily train to and from Perth.

The supply of water for domestic use has been taken in hand by the Works Department. This was very necessary, as owing to the high position of the field, and the porous nature of the ground, there is no natural supply at the townsite without considerable expense.

A public well has been sunk close to the Courthouse, and an ample supply of water obtained. The water is not yet usable owing to the jarrah timbering in the well giving it a bad taste. I trust that this will soon be altered, and the well made available for public use. A well has also been sunk at North Greenbushes, the townsite surrounding the Railway Station; there also a good supply has been obtained. There are other well reserves also round previously existing wells, one at Dumpling Gully, and two at the Southern or Bunbury end of the field.

The health of the field has been very good. A few cases (six) of typhoid have arisen, but these have all been from a timber mill some three miles distant from the township.

The accompanying returns will show the extent of the mining operations for the year, but I fear I must reiterate what I pointed out in my half-yearly report, *i.e.*, that the output of tin for the season is not commensurate with the number of men on the field and the holdings taken up. It must be remembered, however, that owing to the easy access to Greenbushes from Perth, a large number of the men composing the principal rush were absolute loafers, and in many cases known criminals, who never attempted to work. These have mostly disappeared, and a better class of men will I hope take their places.

It must also be remembered that a large number of holdings are leases taken up for lode-mining, from which no return has yet been received, nor can any be received until capital is obtained to develop the lodes and erect crushing plant. I am sorry to say that a large proportion of such capital as has been put into the field has been wasted, in my opinion, by being frittered away on alluvial holdings which could be more profitably exploited by parties of working men.

I am of opinion that capital could, however, be advantageously employed in the development of the lode tin which certainly exists here. In several of the leases undoubted lodes have been struck. In the case of the Cornwall mine, the lode carries tin in payable quantities at the 100-foot level and below. Trials with the dolly give 13 to 15 per cent. of tin, assaying 74 per cent.

Other mines are just as likely to show as good prospects if they could obtain capital for working.

Before the date of this report I had the honour to address you on the subject of an Inspector of Mines for this district. I hope that during the ensuing year it will be found practicable to appoint one. The mining here, especially some of the alluvial mines, sadly needs improvement, which can only be effected in some cases under pressure.

During the year a geological inspection of the field has been made by the Government Geologist, and his report and plan will doubtless prove of great value.

I have, etc.,

W. A. G. WALTER,

Registrar, Greenbushes Mining District.

Greenbushes, 2nd March, 1900.

TABLE B.
Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for ... ..	...	143
Area of Mineral Leases applied for, in acres ... ..	...	2,913
Number of Mineral Leases abandoned, surrendered, or forfeited ... ..	...	25
Number of Mineral Leases refused ... ..	...	19
Number of Mineral Leases in force	2	88
Area of Mineral Leases in force, in acres	40	1,977
Number of Water Rights in force	3	69
Area of Water Rights in force, in acres ... ..	...	19
Number of Lode Claims in force	3	4
Do. Alluvial Claims do.	21	299
Do. Protection Areas do. ... ..	...	4
Do. Residence do. do.	4	221
Do. Business do. do.	2	28
Do. Machine do. do. ... ..	...	4
Do. Tailings do. do. ... ..	...	4
Do. Garden do. do.	1	2
Do. Mining Licenses issued during	31	988
Do. Quarry Licenses issued during ... ..	...	4
Do. Business Licenses issued during	2	28
* Do. Miners' Rights issued during	12	3

* Under the Goldfields Act.

TABLE C.
Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area, in acres.	
		1898.	1899.	1898.	1899.
Tin	Greenbushes ... ..	...	88	...	1,977

TABLE D.
List of Ore Reduction Plants at end of Year 1899.

Mining District.	Number of stamps erected.		Number in course of erection.		Value of Mining Machinery.	
	1898.	1899.	1898.	1899.	1898.	1899.
Greenbushes	*1	*3	...	...	£ 100	£ 600

* Crushers.

TABLE E.
Particulars of Mining Accidents during 1898-9.

	1898.	1899.
Total number of accidents not ending fatally	1
Total number of accidents ending fatally

TABLE F.

Showing Population of the District on 31st December, 1899, as compared with 31st December, 1898.

Mining District.	Males.		Females.		Total.		Increase.	Decrease.
	1898.	1899.	1898.	1899.	1898.	1899.		
Greenbushes	57	620	41	312	98	932	834	...

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.	Year 1899.
	Greenbushes.	£ s. d.	£ s. d.
Lease Rental under Goldfields Act	Do.	...	...
Other sources under Goldfields Act	Do.	...	...
Lease Rental under Mineral Lands Act	Do.	...	397 15 0
Other sources under Mineral Lands Act	Do.	...	991 1 6
Exemption Fees	Do.	...	161 8 0
Receipts from Public Batteries	Do.	...	...
Receipts from Boilers Act... ..	Do.	...	...
Fees—Examination of Engine-drivers	Do.	...	...
Survey Fees (Leases, Areas, etc.)	Do.	...	704 10 0
Receipts from all other sources	Do.	29 12 6	0 2 0
Total Mining Revenue ... ..	...	29 12 6	2,264 16 6

TABLE H.

Average Number of Miners employed during 1899.

Mining District.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Greenbushes	194	34	460	34	654

Owing to the extremely fluctuating population, and the fact that no returns were collected until the last quarter of the year 1899, it is impossible to do more than give a very rough estimate of the number of men working for the whole year. In fact the only criterion available is the number of mining licenses issued during each month, a proportion of two-thirds of which may be taken as a fair one of the working miners.

January	10
February	29
March	34
April	113
May	138
June	175
July	160
August	125
September	76
October	68
November	48
December... ..	12
Total	988

TABLE I.

Water Supply during Year 1899.

Mining District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Greenbushes	No salt water	From 6 to 110 feet, according to position	Nil.	30.854

TABLE J.

Ruling Rates of Wages during 1899.

	Per week. £ s. d.		Per week £ s. d.
Miners above ground	2 8 0	Mechanics ... ..	...
Miners below ground	2 8 0	Carpenters	3 6 0
Miners; wet ground	2 10 0	Labourers ... ..	...
Engine-drivers ... ..	...	

Report by the Mining Registrar, Northampton, for the Year 1899.

The mining industry in this district has been seriously affected during the year by speculation without development, and the abandonment of their properties by the Smelting Company.

Copper and lead, especially the latter, are abundant. Judicious expenditure and practical work appear only necessary to make the district a prosperous one. Many of the abandoned leases have not been developed in any sense of the word.

A few men have been doing good work, notably Messrs. Reynolds and Harvey.

A private mine has been opened up in the vicinity of some abandoned Crown Leases, tending to show the capabilities of the district.

The copper leases at Geraldine are valuable properties, and, if energetically worked, would doubtless encourage the opening up of other mines.

At Yandanooka work has been done leading to the supposition that there are large mineral deposits in that neighbourhood.

29th March, 1900.

GUSTAVUS VARLEY,
Mining Registrar, Northampton.

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	13	8
Area of Mineral Leases applied for, in acres	220	143
Number of Mineral Leases abandoned, surrendered, or forfeited	8	21
Number of Mineral Leases refused ... ..	...	...
Number of Mineral Leases in force	44	25
Area of Mineral Leases in force, in acres	772	441
Number of Water Rights in force ... ..	...	...
Area of Water Rights in force ... ..	...	...
Number of Load Claims in force ... ..	...	...
Number of Alluvial Claims in force ... ..	...	...
Number of Protection Areas in force	1	4
Number of Residence Areas in force ... ..	...	...
Number of Business Areas in force ... ..	...	...
Number of Machine Areas in force ... ..	...	...
Number of Tailings Areas in force ... ..	...	...
Number of Garden Areas in force ... ..	...	...
Number of Mining Licenses issued during	90	50
Number of Quarry Licenses issued during ... ..	...	...
Number of Business Licenses issued during	1	...

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force
31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
Copper, Silver, and Lead ...	Northampton ...	29	9	588	104
Do. do. ...	Geraldine ...	12	11	124	209
Do. do. ...	Yandanooka ...	3	5	60	128
	Total ...	44	25	772	441

TABLE D.

List of Ore Reduction Plants at end of Year 1899—Nil.

TABLE E.

Particulars of Mining Accidents during 1898-9.—Nil.

TABLE F.

Showing Population of the District on 31st December, 1899, as compared
with 31st December, 1898.*

Mining District.	Males.		Females.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Northampton	431	...	361	...	792

* No record for 1898.

TABLE G.

Mining Revenue, 1898-9.

	District.	Year 1898.		Year 1899.	
		£	s. d.	£	s. d.
Lease Rental under Goldfields Act ...	Northampton	...	...	...	...
Other sources under Goldfields Act ...	Do. ...	...	...	...	...
Lease Rental under Mineral Lands Act ...	Do. ...	170	3 9	120	11 3
Other sources under Mineral Lands Act ...	Do. ...	89	10 6	47	0 6
Exemption Fees ...	Do. ...	131	18 0	24	2 0
Receipts from Public Batteries ...	Do. ...	...	...	...	...
Receipts under Boilers Act ...	Do. ...	...	...	...	...
Fees—Examination of Engine-drivers ...	Do. ...	...	...	...	...
Survey Fees (Leases, Areas, etc.) ...	Do. ...	50	10 0	59	17 6
Receipts from all other sources ...	Do. ...	1	10 0	0	17 0
Total Mining Revenue ...	...	443	12 3	252	8 3

TABLE H.

Average Number of Miners employed during 1899.

Mining District.	Reef or Lode.		Alluvial.		Total.	
	1898.	1899.	1898.	1899.	1898.	1899.
Northampton ...	* 180	* 50	...	...	180	50

* Lode.

TABLE I.
Water Supply during Year 1899.

Mining District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks : Number and Contents.	Rainfall.
Northampton	20ft.	<i>Nil.</i>	20.43

TABLE J.
Ruling Rates of Wages during 1899.

	per week,	£ s. d.	£ s. d.
Miners above ground	2 10 0	...
Miners below ground	2 15 0	...
Miners, wet ground	3 0 0	and 3 10 0
Engine-drivers	2 10 0	.. 3 0 0
Mechanics	3 10 0	.. 4 0 0
Carpenters	3 0 0	.. 3 10 0
Labourers	2 5 0	...

Mining Registrar's Report on the Phillips River for the Year 1899.

From the Mining Registrar, Phillips River, to the Under Secretary for Mines.

SIR,

I have the honour to submit the following Report upon the Phillips River Mining District for the year 1899.

There is very little to write about in connection with the Phillips River for year 1899, that being the year of its birth.

Two Gold Mining Leases were applied for, comprising 42 acres; three Miners' Rights were issued from this office; sixteen Mineral Leases were applied for, comprising 1,530 acres; five were in force, comprising 750 acres; fourteen Mining Licenses were issued; two Business Licenses were issued.

The mineral mined for is copper, although there are good indications of gold existing, but it has not been sufficiently proved up to the present.

The population amounts to 72 persons. Mining revenue received for 1899 amounts to £352 3s. 6d.

There is practically no water supply. Salt water is struck at a depth of about 25ft.

The field has no mail service, which must to a great extent retard its progress.

A parcel of about 12 tons of copper ore is being sent away for treatment, and the result will be anxiously awaited.

In my opinion, and from the information I am able to gain, this field is going to be a very fair one, and during the year 1900 its value will have been ascertained.

I have, etc.,

JOHN E. ANGOVE,

Registrar.

Albany, 13th March, 1900.

TABLE A.
Applications for Leases, etc., under the Goldfields Act.

	Year 1898.	Year 1899.
Number of Gold Mining Leases applied for	2
Area of Gold Mining Leases applied for, in Acres	42
Number of Gold Mining Leases abandoned, surrendered, or forfeited
Number of Gold Mining Leases refused
Number of Gold Mining Leases in force
Area of Gold Mining Leases in force
Number of Water Rights in force
Area of Water Rights in force
Number of Quartz Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Miners' Rights issued during	3
Number of Business Licenses issued during

TABLE B.

Applications for Leases, etc., under the Mineral Lands Act.

	Year 1898.	Year 1899.
Number of Mineral Leases applied for	16
Area of Mineral Leases applied for, in acres	1530
Number of Mineral Leases abandoned, surrendered, or forfeited
Number of Mineral Leases refused
Number of Mineral Leases in force	5
Area of Mineral Leases in force, in acres	750
Number of Water Rights in force
Area of Water Rights in force
Number of Lode Claims in force
Number of Alluvial Claims in force
Number of Protection Areas in force
Number of Residence Areas in force
Number of Business Areas in force
Number of Machine Areas in force
Number of Tailings Areas in force
Number of Garden Areas in force
Number of Mining Licenses issued during	14
Number of Quarry Licenses issued during
Number of Business Licenses issued during	2

TABLE C.

Table showing Number, Description, and Area of Mineral Leases in force 31st December, 1899.

Description of Minerals.	District.	Number of Leases.		Area.	
		1898.	1899.	1898.	1899.
Copper and other Minerals ...	Phillips River ...	...	5	...	750
	Total ...	...	5	...	750

TABLE D.

List of Ore Reduction Plants at end of Year 1899.—Nil.

TABLE E.

Particulars of Mining Accidents during 1898-9.—Nil.

TABLE F.

Showing Population of Mining District on 31st December, 1899.

District.	Males.	Females.	Total.
	1899.	1899.	1899.
Phillips River	70	2	72
Total	70	2	72

TABLE I.

Water Supply during Year 1899.

Mining District.	Average depth at which Salt Water is struck.	Average depth at which Fresh or Stock Water is struck.	Government Tanks: Number and Contents.	Rainfall.
Phillips River ...	25 feet	...	Nil	12in. average

Report by the Superintendent of Public Batteries for the Year 1899.

The Under Secretary for Mines.

SIR,

I have the honour to report the progress on Public Batteries for the year ending December, 1899. At the beginning of the year several delays took place, only two batteries doing any crushing for January and February. In March seven batteries were crushing. In April Mt. Ida battery got a start; and the Yerilla battery was set going in May. From this forward the nine batteries had a very successful run; but in three instances, viz., Bulong, Yerilla, and Yalgoo, the districts soon proved unable to provide stone, and the batteries were closed down at the end of the year. Other suitable places will be selected for their removal and re-erection.

The only new battery erected was at Ravelstone, Peak Hill, where a 10-head battery, 950lbs. stampers, is now running, but has not yet had time to give any idea of the class of ore in the district, or the permanency of the lodes.

The most successful battery during this year was the one at Mulline, where over 3,500 tons were crushed. Its closest rival is the Mt. Ida battery, which has done good work the last six months of the year. Lennonville, Leonora, and Norseman have done fairly well, but in most instances sufficient stone is not forthcoming to keep the batteries constantly engaged, and, when this occurs, expenses cannot be curtailed in proportion.

For the 12 months, 18,806 tons were crushed, yielding 20,758ozs. 8dwts. 6grs. of gold, or an average of 1oz. 2dwts. 2grs. per ton.

For the quantity crushed at each battery, *vide* statement attached.

The small quantity crushed at Lennonville and Tuckanarra is principally attributable to want of water, both these batteries still causing expense from this cause; while at Mt. Ida it was found necessary to purchase water, owing to the inability to strike a suitable supply.

During the year all the batteries were housed in, which has afforded protection to machinery, and made matters much more pleasant to those engaged at them.

I am pleased to be able to state that those in charge of the batteries are doing their best to work them successfully; and if each district could only supply the estimate required, viz., 400 tons monthly, there would be very little cause for complaint.

Difficulty is experienced, at those places where broken time is caused, to retain suitable men for the work, and it is hoped that the prospectors generally will recognise the importance of the battery in their midst, and put full energy into their work to supply sufficient ore in the interests of themselves, the batterymen, and Department alike.

The cost of working for the twelve months has been 18s. per ton.

In conclusion, I beg to thank you, Sir, for the kindly manner in which you have always supported me in discharging my duties. My thanks are also due to the Chief Accountant for his ready assistance and advice in placing the various managers on a simple but effective method of dealing with their finances, thus giving me much less trouble than before a proper system was adopted. I trust that the year's work will be considered satisfactory, and, although not returning a profit, will show that the policy of the Government Public Batteries has been fully justified; and if extended I shall endeavour to carry out the work intrusted to me in a satisfactory and business-like manner.

DAVID H. WHITE,

Superintendent Public Batteries,

Perth, 25th May, 1900.

Perth.

PUBLIC BATTERIES FOR YEAR 1899.

Batteries.	Tons Crushed,	Gold Yield.			Average.		
		oz.	dwt.	gr.	oz.	dwt.	gr.
Bulong	3,059	2,136	5	9	0	13	23
Lennonville	1,515	1,452	12	16	0	19	4
Mt. Ida	2,397	3,309	4	15	1	7	14
Mt. Leonora	2,164	1,606	1	3	0	14	20
Mulline... ..	3,578	4,840	3	4	1	7	1
Norseman	2,041	1,634	6	0	0	16	0
Tuckanarra	1,136	3,901	6	0	3	8	16
Yalgoo	1,230	741	15	12	0	12	1
Yerilla	1,686	1,166	13	19	0	13	20
Total	18,806	20,788	8	6	1	2	2

GOVERNMENT PUBLIC BATTERIES.

Return showing number of Tons crushed, Gold Yield, and Cost of Crushing per ton, for Year ending 31st December, 1899.

Name of Battery.	Tons Crushed.	Gold Yield.	Expenditure.		Crushing Charges.	Cost per Ton.
			£	s. d.		
		ozs. dwts. grs.				£ s. d.
Bulong	3,059	2,136 5 9	2,282	19 8	10s., 15s.	0 14 11
Lennonville	1,515	1,452 12 16	1,393	9 1	15s.	0 18 5
Mount Ida	2,397	3,309 4 15	1,969	14 0	17s. 6d.	0 16 5
Mount Leonora	2,164	1,606 1 3	1,877	2 9	15s.	0 17 4
Mulline	3,578	4,840 3 4	2,293	17 9	15s.	0 12 10
Norseman... ..	2,041	1,634 6 0	2,105	19 7	14s. 6d., 17s. 6d.	1 0 7
Tuckanarra	1,136	3,901 6 0	1,849	10 10	15s.	1 12 7
Yalgoo	1,230	741 15 12	1,017	3 8	15s.	0 16 3
Yerilla	1,686	1,166 13 9	1,543	14 10	15s.	0 18 4
Total	18,806	20,788 8 6	16,333	12 2	...	..

Report by the Chief Inspector of Boilers for the Year 1899.

The Under Secretary for Mines.

SIR,

1. I have the honour to submit my Report on this Branch for the 12 months ending 31st December, 1899, and I append hereto a tabulated statement on the work performed during the above period, which, I think, will afford all the information required by the Hon. the Minister.

2. As you are already aware, my predecessor, Mr. Allison D. Smith, finally terminated his services with the Department on 31st July, 1899, having been granted about one (1) month's leave of absence, and Mr. D. H. White, the Superintendent of Public Batteries, was appointed Acting Chief Inspector of Boilers on 18th July, 1899, and continued in that capacity until I was appointed on 1st August last, on which date I took charge. Very shortly after my appointment I discovered that little or no system prevailed in the Branch, either in the method of carrying out the inspections or of keeping boiler records, not only in the head office, but in the district offices; in fact, the district offices were not even provided with all the necessary testing appliances complete, boiler registers, cash books, etc.; consequently, during the last five (5) months of the year under review, I was busily engaged in the formulation and initiation of a uniform system (simplified as much as possible with due regard to economy) to enable the work to be carried out expeditiously on a uniform basis, without diminishing the inspection work, which, if such had been the case, would have meant a serious loss of revenue. This want of system no doubt was partly due to the fact that my predecessor had to personally carry out some inspections in this district, as no inspector was appointed.

3. The total amount of revenue derived for the year, from all the districts, amounts to £1,610 5s., and the total expenditure for the same period amounts to £1,087 8s. 2d., leaving a credit balance of £522 16s. 10d., which is satisfactory; but I do not anticipate such a large credit balance the following year, as, no doubt, additional officers may have to be appointed to cope with the increasing work in more outlying districts.

4. You will note that the total number of boilers registered in the Colony on the 31st of December last, since the inception of the Act, was 1,486, which represents a total h.p. of 20,016·56, based on grate bar area, there being a total of 954 boilers registered up to the 1st August, or a net increase of 532 since that date to 31st December, 1899, and I estimate that there will be, approximately, 2,300 boilers registered by the 31st December, 1900.

5. The total number of inspections carried out was 985, which indicates that the work is a long way behind, in proportion to the number of boilers registered; but every endeavour will be made this year to bring the work up to date, if possible. There were 26 boilers "temporarily" condemned, pending serious repairs being effected, three of which have been repaired and brought into use, and 14 were "permanently" condemned.

6. The proportion of boilers "temporarily" condemned and those "permanently" condemned, in relation to those inspected, equals 2·64 per cent. and 1·42 per cent., respectively, which is very low, but I have every reason to believe that the percentage will be considerably higher for the year 1900.

7. During the year two (2) Assistant Inspectors were appointed, one on the 14th of August and the other on the 6th of November, for the South-Western District, there being a total of eight (8) Inspectors under the Act, six (6) of whom hold the dual position of Inspector of Mines; and I anticipate that further appointments will be necessary during the next financial year in order to cope with the work which is increasing very rapidly, especially in one or two of the principal mining centres, in order that the work can be kept up to date.

8. I have to report that one (1) explosion, fortunately in a mild form, occurred during the year, this being a Cornish boiler, Registered No. 2220, belonging to the North Boulder Gold Mining Co., Kalgoorlie, which happened on the morning of Nov. 13th, at about 2.10 a.m. I am glad to state that no one was injured, and beyond blowing itself 12 inches forward out of the brickwork, no other appreciable damage was done. From the evidence taken by the Inspector of the District, it appears that the water was allowed to get too low in the boiler, consequently a portion of the crown plate of the furnace tube became overheated and collapsed. The Company decided not to repair this boiler for steaming purposes again, but are using it as a condenser.

9. It has been brought under my notice many times by the Inspectors, especially at the first inspection, the dirty (both internally and externally) and neglected manner in which several owners have hitherto kept their boilers in the Metropolitan and other thickly populated centres, which not only leads to extensive repairs having to be effected, but also considerably impairs the life of these boilers; and it has been a matter of some surprise, and I may say in some cases miraculous, that serious explosions have not taken place hitherto. In several instances the plates have been wasted away so badly, principally caused through leaky joints and damp foundations, that the Inspectors have found it an easy matter to insert a blade of a pocket knife through the affected plate, when all the rust had been removed, the boilers carrying in some cases (prior to inspection) a working pressure up to 80lbs. per sq. inch.

10. I consider it absolutely necessary, in the interests of safety, that all Boiler attendants, especially those in thickly-populated centres, should be certificated under the Act, and I hope soon to be able to submit the necessary Regulations in connection with the matter for the Hon. the Minister's consideration, so that they can be brought into force as early as possible.

11. With reference to the required Mountings on Boilers I find that comparatively few boilers conform with Clauses 10 and 11 of the Act, but I anticipate that most of them will be equipped during the present year, liberal notice having been extended to owners for that purpose.

12. As regards the Act itself, which appears to be working very smoothly, and which I think is now appreciated by the public, I find there will be several slight amendments necessary; also additions and Regulations for same, which I will submit in due course for the consideration of the Hon. the Minister.

13. In conclusion, I have to thank the Inspectors generally for endeavouring to get through as much work as possible, much of it having to be done on Saturday afternoons, Sundays, and holidays, which has been done cheerfully, so as not to inconvenience or interfere unnecessarily with steam-users who have not got a duplicate boiler, and to stop their works for the purpose of inspection during a working day would not only mean a serious loss to the owners, but also to their employees. The clerical staff in connection with the Branch have also carried out their duties satisfactorily.

C. J. MATHEWS,

Chief Inspector of Boilers.

9th May, 1900.

STEAM BOILERS ACT, 1897.

Statement showing Operations for Year ending 31st December, 1899.

Districts.	No. of Inspectors.	Total No. of Boilers Registered.	H.P. represented based on grate bar area.	No. of Boilers examined first inspection.	No. of Boilers examined second inspection.	Total number inspected.	No temporarily condemned.	No. permanently condemned.	Fees paid to Revenue.	Remarks.
									£ s. d.	
South-Western	2	427	4,468.91	250	...	250	10	2	248 15 0	One (1) Assist. Inspector appointed Aug. 14, 1899; the other Nov. 6, 1899.
Coolgardie, Yilgarn, and Dundas	1	212	2,965.35	112	12	124	1	1	238 15 0	
East Coolgardie	2	303	4,926.71	260	...	260	2	2	472 5 0	
N.E. Coolgardie and Broad Arrow	1	133	1,917.97	43	73	116	4	..	239 0 0	
Murchison, E. Murchison, Peak Hill, and Yalgoo	1	220	3,177.7	107	1	108	2	1	191 10 0	
N. Coolgardie and Mt. Margaret	1	191	2,559.92	125	2	127	7	8	220 0 0	
Grand Totals	8	1,486	20,016.56	897	88	985	26	14	1,610 5 0	

C. J. MATHEWS,

Chief Inspector of Boilers.

9th May, 1900.

*Report by the Inspector of Mines on the East Coolgardie Goldfield.**To the Under Secretary for Mines, Perth.*

SIR,

Kalgoorlie, 20th April, 1900.

I have the honour to submit, for the information of the Hon. the Minister of Mines, my Report upon the administration of the Mines Regulation Act, upon the East Coolgardie Goldfield, during the year 1899.

I have been continuously visiting the mines throughout the field, especially those in which development work and stoping have been carried on to a much greater extent than I have been previously able to report. The strides that mining in earnest has made on the field since my last report have been enormous, so much so that I could not possibly maintain anything like a proper supervision over the mining in the district. I was therefore compelled to make application for assistance, and was extremely grateful when Mr. Thomas S. Smith was, in August last, appointed Assistant Inspector of Mines for East Coolgardie.

I feel it my duty to here bring under your notice the amount of good work executed by this officer, he being a thoroughly practical, hard-working and conscientious man.

I may also remark that my assistant and myself are kept very busily employed. This, as previously pointed out, is owing to the workings in the various mines being more extensive and carried to deeper levels, which of course means that greater care and skill must be exercised in the timbering and work under ground generally.

To mention an instance, the Great Boulder Proprietary Company's main shaft is now down a thousand feet, where a plat has been cut. This, I believe, is the deepest level that has been reached in gold mining in the Colony. Numerous other companies are following the Great Boulder Company's commendable energy and enterprise. I anticipate that, instead of being able to mention one case only, there will be at least a score of other mines that have reached 1,000ft. at the end of the present year.

ACCIDENTS.

Accidents have been a trifle more numerous than last year, but the percentage of fatal results has been less.

The pleasing feature to be noticed in the Table of Accidents is the small number of accidents that have occurred through falling ground, plainly demonstrating the great care that is exercised in the proper timbering of under-ground workings. I have been very gratified to notice this feature during the year that has just passed.

Approximately the percentage of accidents to men employed on the field is .78, and the fatal results in like manner is .27. This, I think, to be abnormally low.

Forty accidents were reported for the year, resulting in 14 persons being either killed outright or fatally injured, and 29 persons were injured.

TIMBER.

I sincerely trust that facilities will always be given the mining companies to avail themselves of adequate and suitable timbers.

It is, however, to be regretted that this branch of mining is so very expensive, owing to the lack of a sufficiency of good mining timber in the district. The timber areas are already beginning to show serious signs of depletion, not only as regards good mining timber, but also fuel. This is a matter that should be looked at in all seriousness, for I consider the mining here, as elsewhere in the Colony, notwithstanding the magnificent outputs that have already been recorded, is only in its infancy.

EXPLOSIVES.

As previously reported to you, I still enforce a strict adherence to the proper storage and handling of explosives.

I was pleased to note that my overtures for the keeping of a larger stock of explosives on the mines which were carrying on extensive works had been successful, as the limitations of the Act were rather hampering than assisting the mines on which large quantities were used.

I still have to complain that many of the mine managers have not adopted the more efficient and cheaper method of firing dynamite charges by electricity, as compared with the old method of firing by fuse, which is, I regret to state, still practised extensively.

SAFETY APPLIANCES.

I am pleased to report that due observance has been paid to the proper provision of safety-hooks and safety-cages. No instance can I quote where the least suspicion of carelessness has been detected in this respect. All the mine managers appear to make their first and best efforts to provide, whenever practicable, for the safety of miners engaged in, or travelling up and down, the shafts.

Various and many are the contrivances used, all of which are approved by me, and periodically tested to my satisfaction.

To emphasise the efficiency of the provisions made in this direction, I would point out that during the year not one single accident has occurred in a shaft that could be attributed to absence of proper safety appliances.

VENTILATION.

I hailed with delight the various amendments of "The Mines Regulation Act, 1895," but none more than Section 10 of amended Act, which is substituted in lieu of Sub-section 1, Section 23 of principal Act, and having reference to the ventilation of underground workings.

I have not, however, met with any very serious case of improper ventilation, but I felt myself very much assisted by the new law above referred to, specifying what is an adequate amount of ventilation.

A certain amount of discussion took place during last year on a matter that was held to seriously affect the state of the air and the men under ground. The matter I refer to is the filling of worked-out stopes and disused drives with cyanide tailings.

This practice, after having a fair trial, has proved not to be so very obnoxious, when met by the new ventilating conditions.

MACHINERY.

Since my 1898 Report there has been quite a revolution in the erection of reduction plants for the treatment of the vast bodies of sulphide ores that occur along the belt. This belt, I may mention, is now being operated on by machinery for a distance of at least five miles.

As the bodies of free-milling ore are daily being reduced on the busier part of the belt, so is increasing attention being turned to the treatment of the sulphide ore.

Quite a number of different processes are about to be tried. Some of the plants are erected, others are being erected, to try and master this still troublesome question.

Several different methods are claimed to show a high percentage of extraction, but none have yet commenced operations on an extensive scale.

Each week large quantities of high-class machinery and up-to-date appliances are brought on to the field. It now only remains to be shown that the sulphide ores can be cheaply and effectively treated by one or more of the plants already erected, when I anticipate that a very large addition to the number of reduction plants will be made.

ENGINE-DRIVERS.

The provision in the Act to empower the examining boards to issue Second-class Certificates of either Service or Competency, Interim Certificates, and Learners' Permits, was a step in the right direction, for it enables candidates to gain practical experience; whereas, without either a Second Class Certificate or a Permit, this experience was difficult to obtain.

I would strongly urge that the educational standard for drivers of both classes should be raised. At the present time much comment is being made on the hitherto easy manner in which candidates have obtained certificates. It is highly desirable that a uniform standard should be adopted by the various examining boards.

During the year 128 candidates have been examined; 53 service, 36 competency (of which 2 were indorsed "N.D.W.E."), and 4 copies of certificates have been issued.

STEAM BOILERS ACT.

This very important branch of my duties takes up a large proportion of my time. The Act, having only made itself properly felt during 1899, notwithstanding the fact that it was brought into operation in 1898, entails the exercise of much care and work in insisting upon its provisions being properly carried out.

Upon the whole, I must report a willingness to comply with the Act generally. The requirements in respect of safety fittings have so far been attended to satisfactorily.

During the year 258 boilers were tested and inspected, four of which were condemned as unfit for use. Fair to good feed-water is used throughout the field.

PROSPECTS OF FIELD.

As reported previously, very large bodies of sulphide ore have been met with in the lower levels along the belt; and as soon as an economical and effective process for the treatment of this ore has been demonstrated, there is already a sufficient quantity of country opened up to keep many plants fully employed for a number of years to come.

I do not infer that the supply of oxide ore is nearly exhausted, as this is by no means the case.

I have, etc.,

F. J. LANDER,

Inspector of Mines.

Report by the Inspector of Mines on the Central Goldfields for the year 1899.

To the Under Secretary for Mines, Perth.

SIR,

Cue, 19th April, 1900.

I have the honour to submit my third annual Report, for the information of the Honourable the Minister for Mines, upon the administration and working of "The Mines Regulation Act, 1895," and the development of the mining industry, during the year 1899, upon the Central Goldfields, viz.:—Peak Hill, East Murchison, Yalgoo, and Murchison.

During the year all mines coming under the operations of the Mines Regulation Act have been inspected at least three times, and in many cases more frequently, and any defects noticed have been recorded in the book kept on the mine for that purpose, in compliance with Section 22, paragraph 2, Mines Regulation Act, and the defects have been remedied immediately, or as soon as possible. Two hundred and thirty-five mines have been inspected, employing about 2,000 men. In the larger and more extensively-opened mines the managers are careful, and every attention has been paid to the requirements of the Mines Regulation Act. On these mines the ground is well timbered and filled. In the haulage of men to and fro in the shaft, the following precautionary measures are insisted upon, viz.:—Safety hooks, safety cages—(good wire ropes, cleansed and greased at frequent intervals when going into salt water)—winding indicators, at each plat a good fixed light and code of signals, and gates or bars to prevent any one inadvertently falling down the shaft. I have endeavoured during the year to get a universal code of signals adopted on the Murchison Goldfields, but without success. This is an important matter as an engine-driver leaving one mine and going to another, where probably the signals are different, is extremely likely to make a mistake. The coming into force of the amended Mines Regulation Act will materially increase the work of the Inspector, as it will bring the small mines and prospecting shows under his control. It will be noticed that the greater number of accidents have occurred in these small mines.

ACCIDENTS.

There were four fatal and fifteen non-fatal accidents during the twelve months under review, the number of men affected, and class of casualty being tabulated below:—

	Explosions.	Falls of Ground.	In Shafts.	Miscellaneous under ground.	Surface.
Killed	4	2	1	...	1
Injured	2	7	5	1	2

EXPLOSIVES.

I have been very particular this year in trying to enforce the general rules regarding explosives, but I find they are being continually broken, and little or no care used in handling explosives; fulminating caps and dynamite are kept indiscriminately in the same box, without lid or covering. I attribute the Field's Find fatalities to this carelessness. I addressed a strongly-worded circular to all mines, notifying that extreme measures will be taken against both managers and men unless more care is exercised with this dangerous material in future, and I am pleased to say that this has had the desired effect. The 5cwt. of dynamite, allowed by Section 23 of the Mines Regulation Act has, in one or two cases, been exceeded; at the same time the offenders have been warned and instructed to apply to the Department for permission to store an excess quantity. Where permission has been granted, I have taken steps to see that Regulations, published in the *Government Gazette* of 21st July, 1899, have been complied with.

ENGINE-DRIVERS.

A statement of the number of certificates issued, together with revenue received therefrom, is attached.

MINING—CUE AND DAY DAWN.

There is not the energy that could be wished being displayed in the working of the mines in and around Cue and Day Dawn. Many leases, thrown up by the companies, have been taken up by working parties or otherwise, on tribute, and gold is still being extracted; but, naturally, with men without capital, development must be slow. The Great Fingall Consolidated, Limited, at Day Dawn, is undoubtedly solving the problem of the future of this field. A shaft has been sunk to a depth of 500ft., and the machinery on the surface has been reconstructed and fixed so as to work the mine on the most economic principles, and the indications fully justify the large expenditure.

MOUNT MAGNET AND LENNONVILLE.

These districts continue to develop satisfactorily, and the gold output has increased; and, from present indications, it is likely to go on increasing. The Government battery at Lennonville has been of great assistance to the prospector and others, and, if a good water supply could be obtained, it would give far better results.

NANNINE, STAR OF THE EAST, ABBOTT'S, MEEKATHARRA.

These districts embrace a vast auriferous area, from which large quantities of gold have been won. The deep sinking and exploration that these districts require have not been carried out so far; but preparations are now being made in several places to sink deeper.

PEAK HILL.

This district has not gone ahead so rapidly as it promised at the beginning of the year; but, with the advent of more capital and the assistance of a Government battery, it should now forge ahead.

EAST MURCHISON, LAWLERS, MT. SIR SAMUEL, LAKE DARLÔT, LAKE WAY.

During my last visit through these outlying centres I was impressed with the rapid strides they were making. A large amount of energetic prospecting and development was noticeable, and the coming twelve months should show large increases in the output of gold.

YALGOO.

I am sorry to say that the cloud of depression hangs heavily over Yalgoo and district at present. At Pinyalling the Field's Find Gold Mine is turning out a fair amount of gold, and doing a considerable amount of development work, and their prospects are of a promising character. Gullewa and Melville are struggling along, a little work being done at both places. The Yalgoo Goldfield has many large low-grade propositions, which will eventually be worked when population increases, and the attraction of the richer zones of the Colony are less potent than at present.

I have, etc.,

W. F. GREENARD,

Inspector of Mines.

ENGINE-DRIVERS.

Examinations have been held in the following centres, viz.:—Nannine (two), Cue (two), Mt. Magnet (two), Yalgoo, Peak Hill, Lawlers, and Lake Darlôt, with the undermentioned results:—

	£	s.	d.
61 Certificates of Competency have been issued at £1 10s.	91	10	0
2 Certificates of Service have been issued at £1	2	0	0
5 Certificates of Competency were exchanged at 10s.	2	10	0
23 Candidates failed. Fees paid, 10s. each	11	10	0
4 Certificates replaced at 5s. each	1	0	0
1 Certificate issued <i>ex officio</i>			—
	£108	10	0

BOILER REVENUE.

Fees for testing steam boilers, under "Steam Boilers Act, 1897." £211 0 0

Report by the Inspector of Mines of the Collie Coalfields for the Year 1899.

To the Under Secretary for Mines, Perth.

Collie, 20th April, 1900.

SIR,

I have the honour to forward, for the information of the Honourable the Minister of Mines, the following Report of this Coalfield for the year ending 31st December, 1899.

I am pleased to report that during the year the mining industry on this field has made good progress.

OUTPUT OF COAL.

The output of "large" coal for the year was 54,336 tons. Of this quantity the Westralian Wallsend Colliery produced 49,427 and the Collie Coalfield Proprietary Company's colliery 4,909 tons. These are the only companies that have raised coal, the work on the other companies' leases being restricted to prospecting work.

DANGEROUS GASES.

No indications of fire damp (light carburetted hydrogen) have been observed in any of the mines. The beds of shale and clay in proximity to the seams of coal, however, appear to contain a considerable amount of choke damp (carbonic acid gas).

SPECIAL RULES.

In accordance with Section 43 of "The Mines Regulation Act, 1895," special rules have been established at the Westralian Wallsend and the Collie Coalfield Proprietary collieries.

ACCIDENTS.

Four accidents occurred during the year—two by falls of coal and roof, and two by explosions of blasting powder—by which six men sustained serious injuries, one case proving fatal.

EXAMINATION OF ENGINE-DRIVERS.

One sitting of the Board of Examiners for Engine-drivers was held on 2nd October, when certificates—one of Competency and eight of Service—were granted to nine applicants.

PROSPECTS OF THE FIELD.

The prospects of the field for the year 1900 are very favourable. Three Calyx-diamond drills are now at work on the various properties, which will greatly assist to prove the number, thickness, quality, and continuity of the seams. About 370 men are now employed on the various properties, 310 of which are employed at the Westralian Wallsend Colliery.

For the first quarter of this year 27,209 tons of large coal have been raised, all of which has been proved to be a very useful and marketable commodity; and, with the output from the two collieries now raising coal rapidly increasing, and the probable addition in the near future of a third producer in the West Australian collieries, I estimate the output for the year (providing the demand keeps pace with the supply) will reach close on 200,000 tons.

T. D. BRIGGS,
Inspector of Mines.

Report by the Inspector of Mines of the Coolgardie Goldfield.

To the Under Secretary for Mines, Perth.

SIR,

Coolgardie, 19th April, 1900.

I have the honour to report that throughout the year 1899, with the exception of a period of five weeks, during which I was absent from my duties on sick leave, the work that devolves on an inspector of mines and of boilers was discharged by me in the goldfield districts of Coolgardie, Yilgarn, and Dundas.

In addition to the work done in the Coolgardie centre proper, such other centres as those of Widgiemoultha, Red Hill, Kunamalling, Kintore, Dunnsville, were also visited for the double purpose of mine and boiler inspection. For the same purpose, three visits were made to the Yilgarn Goldfield, viz., in March, June, and November; and one, of a fortnight's duration, was made to the Dundas Goldfield.

Examinations for engine-drivers' certificates were held at Coolgardie in February, April, August, and November. An examination for the same purpose was also held, in November, at Southern Cross, and one was likewise held at Norseman on 30th November and 1st December.

The number of boiler inspections made during the year was 134.

Two days were occupied in making an examination of leases and claims in the Londonderry District, in connection with an application that had been made for the provision of a Government Battery for that locality.

The works of development that are being carried on at the mines in the Coolgardie Goldfield still tend to show that, if deeper sinking were more generally resorted to, successful results would be more likely to follow such a course than are likely to be brought about by the comparatively shallow work that, in many instances, is at present being prosecuted.

I have, etc.,

GEO. LIGHTLY,
Inspector of Mines.

Report by the Inspector of Mines for North Coolgardie and Mount Margaret Goldfields.

From the Inspector of Mines to the Under Secretary for Mines, Perth.

SIR,

Menzies, 14th May, 1900.

I have the honour to submit, for your information, my annual Report for the year 1899 as Inspector of Mines for North Coolgardie and Mount Margaret Goldfields.

During the year I have made 150 inspections of mines in the North Coolgardie Goldfields, and 134 in the Mount Margaret.

In the majority of cases I found the workings in a very satisfactory condition: I have found the managers always willing to remedy defects and to comply with the regulations of the Act.

Inspection of Boilers.—I have devoted a large amount of my time to this work. This being the first year in which the Steam Boilers Act has come into force, it is only natural that a large number of difficulties should have arisen in its introduction. During the year 134 boilers have been tested, 120 were passed, and 14 condemned.

Accidents.—During the year 13 accidents occurred in the North Coolgardie District, two men being killed and fourteen injured. In the Mount Margaret District there were eight accidents, in which ten persons were injured, six fatally so. This is a large increase on previous years; a large number of the accidents was due to the carelessness of the workmen, six having occurred by explosion, four shaft accidents, and seven having been caused by falls of earth. Although this is a large increase on other years, when the extra number of men employed and the difficulty of securing timber for the mines is taken into consideration, the average is not high.

Examination of Engine-drivers.—During the year three examinations were held, two at Malcolm and one at Menzies. Seventy-five candidates presented themselves, and 27 passed the examination.

Storage of Explosives.—During the year I have rigidly enforced the storage of explosives. It will be necessary for a large number of the mines to be brought under a special rule, to allow of them storing larger quantities than the Act provides for, owing to the distance which they are situated from the main magazines.

Ventilation.—In the large mines the ventilation is good, and of the natural order. In a large number of the prospectors' leases ventilation is very bad.

Ladders.—Ladders are placed in all main shafts and travelling winzes; in addition to this a second escape shaft is provided with ladders, to provide for an escape other than the main shaft.

Safety Appliances.—Safety cages and hooks are provided on all mines over a depth of 200 feet.

General. During the year the North Coolgardie Goldfield has continued to rapidly advance, more especially the Ularring and Niagara Districts. A large amount of machinery has been erected during the year.

A large number of cyanide plants have been erected. On a great many small mines small cyanide plants have been constructed of galvanised iron. The Granites, four miles West of Pendinnie, give every promise of developing into a good field, and a considerable amount of work is being done at Ejudina.

The Mount Margaret goldfield has advanced rapidly. During this year a large amount of work has been carried out at Leonora; machinery has been erected on the Star of Gwalia; a battery has been placed on the Leonora Gold blocks; the Government battery has started, and should prove a boon to the prospectors; the Sons of Gwalia have taken in hand the erection of a large mill and cyanide plant, and the King of the Hills at Diorite King have erected a 30-head battery.

At Mertondale a 10-head battery has been erected on Merton's Reward. On my last visit there was a scarcity of water. This mine continues to return large yields.

During the year the Westralian Mount Morgan has been vigorously developed. It is now fitted with a 20-head battery, and a 10-head battery has been erected on the Guest Mine, which adjoins the Westralia Mount Morgan.

At Laverton a 10-head battery has been erected at the Craggiemore mine, and a 10-head battery at the Lancefield Gold Mine. The lodes in this district are large, low-grade bodies.

I have, etc.,

J. O. HUDSON,

Inspector of Mines.

*Inspector of Mines' Report on the N.E. Coolgardie and Broad Arrow Goldfields
for the Year 1899.*

From Inspector of Mines, Kanowna, to the Under Secretary for Mines, Perth.

SIR,

For the information of the Honourable the Minister of Mines, I have the honour to submit my third annual Report, so far as the safe working, etc., of the mines in the North-East Coolgardie and Broad Arrow Goldfields are concerned.

ACCIDENTS.

I regret having to state that on the two fields during the year there have been six fatal accidents, and that fourteen men have been injured more or less. Still, on perusal of the enclosed list of accidents, you will perceive that, with exception of the six which were fatal, most of them were of a very trivial nature.

INSPECTIONS OF MINES.

Since my last report I have made 112 Inspections of Mines; and, if at any time I noticed a defect, and called the manager's attention to it, or made a suggestion to him *re* rectifying same, I must say that in each instance I have found them most willing to listen, and on my next visit found that my suggestions have been carried out. I also find that during the last year they have endeavoured to comply with the requirements of the Mines Regulation Act in every detail.

I have also inspected 113 Gold Mining Leases and five Mineral Leases for the purpose of giving my opinion as to the probable existence of payable alluvial wash therein, and at the completion of each inspection a report on same has been sent to you.

BOILER INSPECTION.

During the year I have tested 120 boilers, first test, and 75 have been tested for the second time. Owing to their being subjected to salt water, three out of this number collapsed during the test. At the South Gippsland Mine the crown of one of the boilers came down, but was splendidly put back and supported by bolts, and is now in very good order.

VENTILATION.

For any of the mines that are in an advanced state ample means for ventilation has been made, and in most of the smaller or less advanced ones the system used for obtaining fresh air is all that could be desired.

SAFETY APPLIANCES.

I am very much in favour of safety-hooks as a precaution against over-winding. I am also in favour of the safety-cage and winding-indicator being used. Although the safety-cage necessitates a lot of care and attention, I am of opinion that no well-developed mine is complete without one. During the year I have tested twelve cages, and was only compelled to condemn one.

LADDER-WAYS.

As it is necessary that communication shall be kept open from level to level, and at least one winze be provided with a proper ladder-way as a means of exit in case of accident, I am glad to say that in almost every case this is being complied with. The platforms in the shaft in no case exceed 45 feet from one to the other, and they are so arranged that in the event of a man falling off the ladder he would land on one of them.

EXPLOSIVES.

Although every mine with more than five men at work has a good magazine on the surface, still I am inclined to favour explosives being stored below, on condition that it be in a drive or chamber, and a substantial door be fixed across the drive from at least 30 to 35 feet from any travelling-way, and that no other person than the one appointed for that purpose has access to it. I think that, as a rule, the managers handle explosives carefully and in the proper manner, but the men themselves do not appear to realise what extreme caution is necessary where explosives are concerned.

EXAMINATION OF ENGINE-DRIVERS.

During the year the Board of Examiners of Engine-drivers sat three times at Kanowna, and during the three sittings 93 candidates presented themselves for examination, out of which 67 passed. Fifty-four obtained certificates of competency, and two copies of certificates of competency were granted in lieu of two which were lost; 13 obtained certificates of service, and the remaining 26 failed. I feel assured that had the Board power to grant second-class certificates we would then have had many more candidates, and the men would have an opportunity to qualify themselves to become first-class drivers.*

MACHINERY.

The machinery during the year on both fields has been augmented, the mine-owners sparing no expense in providing the most approved plants and appliances.

CYANIDE PLANTS.

There are now three large plants erected on the fields for the extraction of fine gold from the tailings, and each is being kept running with a fair amount of success, and the Slug Hill Gold Mine, Bardoc, has a plant in course of erection.

At the Paddington Consols, Ltd., there is a splendid plant with 10 vats, each with 75 tons capacity.

At the New Austral Company, Ltd., Broad Arrow, there is one with six vats, of 45 tons capacity. During last month they cyanided 912 tons of tailings for 237ozs.

At the White Feather Main Reefs, Ltd., Kanowna, there is a plant with six vats, of 45 tons capacity, and which is putting through a tremendous lot of tailings to the satisfaction of all concerned.

MINING GENERALLY.

In my last annual report I made mention *re* the completion of a 30-head battery at the Paddington Consols Gold Mine. Since then the company had the misfortune to have the whole place burnt to the ground; but with great energy the company at once set to work, and have now erected another 40-head battery, which is being kept continuously at work and treating an enormous quantity of ore. I might state also that this mine is lit up by electric light, and, I consider, is an object lesson as to how a mine should be worked.

The New Austral Company, Ltd., Broad Arrow.—This mine is an exceptionally well developed one. It has been kept continuously at work during the whole year, and has been giving very satisfactory results.

The White Feather Main Reefs, Ltd., Kanowna.—This mine also is being well developed, as it is splendidly opened up at each level, and they are now pushing on down to the 400ft.

QUEEN MARGARET GOLD MINE.

A considerable amount of good work has been done at this mine. Although still working the old shaft, from the new one they are getting good gold at the 400ft. level, and have good prospects at the 500ft. They are still sinking, and are now at the 600ft. level, where they have put in a crosscut 100ft., and have every reason to believe that they are in close proximity to a lode, as they are now passing through a number of quartz veins with a strong body of water.

In conclusion, I must say I think these fields show great, although steady improvements, and that they are sound and reliable, and, owing to the quantity of machinery erected during the last twelve months, and the improvements in the mines generally, they must, during the coming year, swell the output of gold and add to the wealth of the Colony.

I have, etc.,

GEORGE JENKYN,

Inspector of Mines.

Kanowna, 7th January, 1900.

*(NOTE.—Provision has now been made for the issue of second-class certificates.)

Report on the Survey Work of the Central Goldfields (embracing the Murchison, Peak Hill, East Murchison, and Yalgoo Fields) for the Year ending December, 1899.

SIR,

In connection with the above, I beg to report that more Surveys have been carried out, as shown by attached return, which shows an increase for each total. This was anticipated in my last year's report, and has been caused through an improvement in mining matters generally, which promise to further improve during the coming year. The State batteries may be credited with the improvement in some centres, whilst in other cases, in proving the mines at present unpayable, they released the miners, who have employed their energies in other directions. During the latter portion of this year I have, in accordance with your instructions, personally made all surveys required by this and the Lands Departments within the Murchison and Yalgoo Fields, to the financial benefit of the Departments concerned. I have only been able to do this, without interfering with my other duties, by having an excellent officer in the person of Mr. P. E. Oliff, draftsman and computer at this office.

I have not this year visited the Peak Hill and East Murchison Fields, having much confidence in the Mining Surveyors there stationed, but I intend to inspect their work during the coming year.

I have, etc.,

G. S. ANDERSON,

Inspecting Surveyor, Central Goldfields.

27th June, 1900.

Return showing Surveys made for the Mines Department within the Central Goldfields for the Year ending December, 1899.

Goldfield.	District.	No. of Surveys.		Acreage.		Diagrams examined and passed.		Connectional Traverses.
		1898.	1899.	1898.	1899.	1898.	1899.	
Yalgoo	Yalgoo	17	22	206	174	13	23	20 miles 11 chains
	Mount Magnet	60	56	501	428	54	72	
Murchison	Day Dawn	8	13	56	111	14	14	8 miles
	Cue	24	21	175	164	37	25	
	Nannine	32	45	318	496	27	47	
Peak Hill	Peak Hill	49	78	618	1,302	46	55	
East Murchison	East Murchison	45	45	449	428	52	45	
	Totals	235	280	2,323	3,103	243	281	

In addition to the above the local instructions for Survey of 12 Reserves (totalling 240 acres), 94 Town Lots, and 62 miles of Traverse Connections, were issued from this office on account of the Lands Department.

Report by the Assistant Inspecting Surveyor, Eastern Goldfields, for the Year 1899.

The Under Secretary for Mines, Perth.

SIR,

I have the honour to submit a Report on the Surveys of Mining Leases, etc., during the year 1899, on the Eastern, Pilbarra, and Donnybrook Goldfields, the Greenbushes, Yandanooka, and Northampton Mining Districts, and the Collie Coalfield. Where possible the year's return has been compared with that of 1898, which comparison may be seen by Table A:—

TABLE A.

	1898.	1899.	Acreage, 1899.
Gold Mining Leases surveyed, Eastern Goldfields	520	834	8,629
Do. do. other Fields, named above	...	144	2,188
Inspection Surveys, Eastern Goldfields	160	140	1,933
Mineral Leases Surveyed, Eastern Goldfields	15	31	634
Do. do. other Fields	...	172	8,278
Water Rights, Machine Areas, Tailings Areas, Garden Areas, etc., Eastern Goldfields	139	135	495
Water Rights, Machine Areas, Tailings Areas, Garden Areas, etc., other Fields	...	9	28
Isolated Business Areas, Eastern Goldfields	28	23	6
Groups of Residence and Business Areas, Eastern Goldfields	680	220	
Do. do. do. other Fields	...	179	
Total, 1899	...	399	

TABLE B.

Statement showing fees paid for surveys mentioned in Table A. :—

	1898.			1899.		
	£	s.	d.	£	s.	d.
Surveys of Leases, Machine and Tailings Areas, Garden Areas, etc., Eastern Goldfields	4,058	17	0	4,537	3	0
Surveys of Leases, Machine and Tailings Areas, Garden Areas, etc., other Fields				1,811	10	0
Total, 1899				6,348	13	0
Residence and Business Areas, including Reference Marks, etc., Eastern Fields	815	0	0	193	16	0
Residence and Business Areas, including Reference Marks, etc., other Fields				179	0	0
Total, 1899				372	16	0
Traverses and Special Surveys, Eastern Fields	576	12	3	124	1	0
Do. do. other Fields				46	1	10
				170	2	10

Surveys made by Mr. Field Surveyor Ellis, on salary, are included in Table A, but the cost of them does not appear in Table B.

TABLE C.

Statement showing total number of Mining Surveys effected in the Colony during 1899, compared, where possible, with the year 1898. This does not include groups of Business and Residence Areas. Portion of this is taken from the reports of the Inspecting Surveyor, Central Goldfields :—

	1898.		1899.	
	Area.	Area.	Area.	Area.
Total of Surveys made on Eastern Goldfields	862	...	1,163	11,697
Do. do. Central do.	235	2,323	280	3,103
Do. do. other fields	...	...	325	10,494
Total for 1899	...	...	1,768	25,294

	1898.		1899.	
	Miles, Chains.	Miles, Chains.	Miles, Chains.	Miles, Chains.
Traverse Connections, Eastern Goldfields	131	10	28	53
Do. do. Central do.	20	11	8	0
Do. do. other fields	...	...	13	66
Total for 1899	...	...	50	39

OFFICE WORK.

A comparison of the office work done during the years 1898 and 1899 is rather difficult to make, on account of changes which have taken place in the office staff during the year; notably the transfer of all the work to Perth from the Inspecting Surveyor's Office, Coolgardie, and reductions in the staff at the same time. I have given hereunder a comparative statement. The 1899 return shows the work done by the Inspecting Surveyor's staff at Coolgardie up till the middle of August, and by the Survey Branch at Head Office from that time until the end of the year.

	1898.	1899.
Diagrams examined and passed	1,025	760
Tracings of Leases examined and sent to local offices	640	486
Tracings prepared, sent to local offices	335	690
Tracings of various plans made and filed at Coolgardie	200	26
Plans and Diagrams drawn at Coolgardie	...	40
Tracings and Indices made for Litho., Coolgardie	35	3

The standard plans at Coolgardie were kept up to date until the transfer to Perth took place, when it was found necessary to have them compared with the then existing standard plans in Perth, and these latter are now used in connection with checking of diagrams, etc.

The survey registers from Coolgardie, as well as several new ones (necessarily opened for a record of the surveys within the coastal fields, now being dealt with by the Survey Branch), have been kept posted up with all available information.

For this work the assistance of one of the junior draftsmen from the drafting room has been obtained.

I have, etc.,

THOMAS J. BREEN,
Assistant Inspecting Surveyor.

22nd June, 1900.

EASTERN GOLDFIELDS.

*Summary of Surveys effected by the field Surveyor, Mines Department,
for the year ending 31st December, 1899.*

	£	s.	d.
81 Gold Mining Leases	430	10	0
11 Water Rights and Machine Areas	27	10	0
97 Residence and Business Areas	108	10	0
5 Trigonometrical Stations	20	0	0
Connection Traverses 140, 34 chains	5	16	11
Survey, Moonlight Lead, Kanowna	15	0	0
Underground Survey, Kunanalling	10	0	0
Other Surveys	175	5	5
Total value at Schedule Rates of Surveys effected ...	£792	12	4

NOTE.—Inspection and Feature Surveys for sub-divisional designs are not included in the above.

G. W. ELLIS,
Field Surveyor.

The Under Secretary for Mines, Perth.

SIR,

In the absence of the Chief Draftsman, I have the honour to submit a statement of the work done by the drafting Branch during 1899, and have given comparisons with 1898, where possible:—

	1898	1899
Diagrams and Inspection tracings received	1,514	*1,585
Lease Instruments prepared	728	†870
New sixteenner sheets compiled	70	54
Compilation sheets to be eventually transferred to sixteenners		4
Official forms and circulars of various kinds, typographically printed	75,051	158,847
Maps mounted, etc.,	300	449
Various books bound or filed		592
Folios for binding tracings		19
Lease Maps for litho. dealt with, 134 revised, 26 re-drawn		160

* This number includes 234 received from Lands Department, and are for surveys made some years ago.

† Comprising originals	256
Counterparts	587
Copies	27
Total	870

Two additional sheets of the 10-mile Route Map of the Colony have been compiled and lithographed, showing the Northern Fields. Miscellaneous work consisted of the plotting of all surveys on standard plans; 480 tracings, etc., for various purposes; 44 plans drawn; the copying of Field Notes, and the preparation of 88 notices of Resumptions through leases.

It might be well to mention that the Branch was at the loss of Mr. Hossack's services for two months; also that one of the junior Draftsmen was solely employed for the last five months of the year in the Survey Branch.

I have, etc.,

THOMAS J. BREEN,
Assistant Inspecting Surveyor.

22nd June 1900.

Nullagine Goldfield District—General Report on Field.

To the Engineer for Goldfields Water Supply.

Upon my recent visit inland I made a somewhat careful examination of much of the principally-worked portion of the belt of country frequently called the "40-Mile Country," and, as this is at present but little known, I believe a general report on it may be of interest to you and of service to the Department.

As it would be difficult at present to decide which is the best part of this district, and so treat upon it in order of merit, perhaps it will be most convenient if I deal with the country in the order in which it was presented to me on my last visit.

NULLAGINE.

First, then, Nullagine itself. This is a small but unique area, and I think the geology of it might easily puzzle a specialist of the science. This country is mostly conglomerate, comprised apparently of almost every different class of rock, and containing within itself a lot of pudding stone of equally varied composition. The strata are not particularly well defined, and the whole has the appearance of a terrible churning up at an ancient date, and suggests to the visitor the deposit of a maelstrom viewed after violent volcanic eruption.

CONGLOMERATE.

Portion of this conglomerate is being worked for gold. The whole body of the formation is apparently auriferous, and I am informed that portions have been assayed, giving astonishing results.

ALLUVIAL MINING.

In addition to these claims, there are the remains of what has been a very rich alluvial field, and a small amount of alluvial working is going on still. There are also many other small reef claims about, some of which are being worked.

MIDDLE CREEK.

Leaving Nullagine and proceeding Eastward along the "New Road," one crosses the Cadjiput and the 5-Mile Sandy Creeks and comes to Middle Creek. The Middle Creek workings constitute practically the Western end of the workings of what is called the "40-Mile Country." Here there are both alluvial and reef workings.

SANDY CREEK.

The road then continues Eastward, with workings on both sides scattered about to the 20-Mile Sandy Creek. Here there is a pretty extensive batch of reef workings and, I believe, some alluvial, all of much the same character as those that will be described lower down.

MOSQUITO CREEK.

Following the road Eastward, through a good sprinkling of reef claims and workings, one comes to the Granite Hills well on Mosquito Creek, with its adjacent workings.

GENERAL CHARACTERISTICS.

The country is a low range of hills of chiefly schistose slate formation, with undulating flats and gullies between the hills. Here and there are diorite dykes, and in one or two places a granite dyke is found. I believe I may say that the country is not at all fossiliferous. The whole belt is traversed by very numerous outcropping quartz reefs of all widths up to 8 feet. A large number of the reefs are of very high grade, especially on the outcrop; and such reefs crush in that part from 12oz. to the ton downward. Below the surface the gold is also visible in the stone, but to a less extent, and a good feature of it is that "dolly" assays generally give higher results than are indicated by the appearance of the stone to the eye, thus showing that the gold runs well through the stone. This gold is generally fine, but good and heavy, and is not confined to seams or cracks. It appears to be fairly evenly distributed in the stone, with a good sprinkling of coarse "prills."

Many very rich, though comparatively small, alluvial patches have been found in the country, yielding good coarse gold and nuggets of fair, but not, so far, of phenomenal size. Many of these have been worked out, but several are being very profitably worked at the present time.

WATER.

The "strike" of the reefs and of the country generally is about East and West, the "dip" being generally vertical, or varying from that to about 60°. There are numerous creeks, with sandy or stony bottoms, running through the country on an average North and South course. These creeks are usually dry, but after rains they run with violence, leaving pools here and there in their beds, which last for some two or three months after the rains, and for a month or so more water can be obtained from soaks in the sandy beds in suitable places. The rainy season is from the middle of December to the end of March, in the early part of which occur thunderstorms; later on, similar thunderstorms and occasionally heavy gales, during which many inches fall in one day. The rainfall is, however, very uncertain and irregular, and in some seasons there is none at all.

The crust of the country is fairly hard, sufficiently so to cause the rainfall to run off rapidly, when, unfortunately, but a small proportion is retained in the ground. Below this crust the country is softer, and sinking is generally easy and comparatively cheap.

TIMBER.

The reefs are usually contained between well-defined and good walls, both hanging and foot, and, generally, there is but little timbering required, which is fortunate, for the timber supply is not abundant. Timber for the workings and for fuel is mostly obtained from the banks of the creeks, which are generally fringed with river gum or cadjiput—timbers very suitable for both purposes, and at least not absolutely the favourite food of white ants, which are numerous and destructive. The surface of the country is mostly covered with spinifex, useless for horse-feed except immediately after heavy rain. There is also good grass in parts and at times, but this soon disappears in dry seasons.

CARTING.

As a general rule tracks for carting are fairly easy to find through the country, and are usually fairly level and nearly always have a hard and fairly even surface; yet the great distances that have to be traversed to the only battery yet working, together with the uncertainty of horse-feed and water supply, render carting at present so costly an item that in the more distant parts of the district it takes 1½ozs. and even 2ozs. per ton to pay cartage, crushing, purchase of explosives, etc., the men only commencing to make wages when the grade of the stone is above this percentage. The consequence is that, generally speaking, nothing under 2ozs. per ton reefs are at present worth touching, and all reefs of lower grade than this are let severely alone, though, with improved facilities, these comparatively low-grade ores will prove a great source of wealth in the future.

Stores and material are almost entirely carted from Port Hedland to Nullagine, a distance of 183 miles, of which 70 miles near the coast is very heavy, and some little of the remainder is rough and rocky. The cost to Nullagine averages about £15 per ton, and the cost from Nullagine into the 40-Mile ranges from £2 to £6, depending upon locality.

EXTENT OF BELT.

I think I may safely say that the general description given in the last few paragraphs refers equally to the whole of this belt of country, which is estimated to comprise an area of about 50 miles East and West by 20 to 30 miles North and South.

All these reefs, and most of the others about the district, are worked by parties of from two to four partners, all working miners. There are about 30 men working about the Granite Hills well patch of the Mosquito Creek, whilst there are about 300 men upon the whole field.

COOKE'S CREEK.

After examining this batch of workings, I rode along to Cooke's Creek and down the creek to the Cooke's Creek well. There are several workings scattered about this neighbourhood, but I did not visit them as they are not very much developed yet, owing to their distance from the battery and the consequent heavy cost of working.

Thence I rode North-Westerly through some extremely rough but very promising-looking country, parts of which have in the past been sources of gratification to alluvial diggers, others giving more or less profitable employment to the "specking" and "fossicking" prospectors.

OTHER DISTRICTS.

There is some very promising and easily get-at-able country about King's Creek, but it has been little more than prospected so far.

Passing on, I came to the Mary Ann Creek, the site of a now nearly worked-out, but once very rich alluvial find, including the "Soldier's Secret" gully and numerous other workings.

I then rode on through different more or less worked-out alluvial patches to the Butchers' Camp well (No. 56), on Mosquito Creek again. Here there are a few prospectors located.

Next I proceeded through similar country, with similar signs of gold working, both reef and alluvial, scattered about, on the granite workings.

At the North end of this range is one of the very few good lasting pools to be found in this district; it is in the bed of Cooke's Creek at the foot of the Ripon Hills, and is a fine sheet of water about five feet deep in parts.

The Ripon Hills form the Northern boundary of the 40-mile country or the Nullagine District, for with their commencement there is a distinct and decided change of country.

ELSIE WORKINGS.

I now had about as rugged and meandering a ride as anyone could wish for through the Ripon Range to the Elsie workings, along a track shown to the East-North-East, representing the general average course. This range is about the boldest and most inaccessible and, I believe, the highest range I have yet seen in Western Australia. I rode along a watercourse in one place under an absolutely vertical precipice about 200 feet in height. I am told the gorge through which the Nullagine River finds its passage is a fine bit of scenery, and I can well believe it from what I saw, though I did not myself visit it.

The Elsie country is a rich and promising, but a somewhat disappointing field. The gold shows very freely in the stone, but whilst it is highly ornamental gold, it is not productive to the same extent, being thin, leafy and fern-like. However there are a lot of reef workings about which have given much better results; still, with the cost of working so high, the owners have had to abandon them and await improved facilities for the district. There are also some alluvial workings that have been rich in quantity though poor in quality of gold; these are still being worked a little.

There was, at my visit, only one mine working about the Elsie Creek, and that is fairly well developed. The reef was exposed for about 80ft. in depth, or rather in height, for the shaft is near the top of a peak. They have only had one crushing, which yielded 15oz. per ton, but there is a large paddock of rich-looking stone at grass and ready for crushing. The gold from this mine is said to be worth 75s. per oz., and consequently is better than in the rest of this belt, which also seems to include the Yandicoogina and perhaps the Bamboo Creek line of country, wherein much the same class of gold is found. The reef now under consideration is somewhat uneven and pinches in and out; it does not present the appearance of stability that is a feature with the 40-Mile reefs.

I then drove back along my own tracks as far as the 20-Mile Sandy, passing several well-developed workings on the way. Many of these workings in the neighbourhood of the main roads are approaching 100ft. in depth, and most, if not all, are maintaining their general character.

At the 20-Mile Sandy I branched off Northerly along the old road to the Middle Creek well, still passing reef and alluvial workings of good promise. I then continued my course back to Nullagine.

In the Southern part, which I have previously reported upon, and which is all much the same in character until nearly approaching the Oakover and its tributaries, the country is only just commencing to be prospected, and not much is yet known about it.

CONCLUSION.

I believe that this field requires only provision of water, enabling the miners to get out and prospect more ground, and advertisement, with the importation of a little capital, to make it capable of supporting a large population with great profit. Development is not sufficiently advanced to make this an absolute certainty, but it is sufficiently so to warrant very strong expectations in that direction, and I consider that all the natural features of the country, so far as they can at present be examined, are most favourable.

R. H. B. DOWNES,
District Engineer.

Supplementary.

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

SIR,

I have thought it desirable to supplement the Annual Report by the appended tables, showing the Mineral Output for the first six months of the year 1900.

I have, etc.,

H. S. KING,

Under Secretary for Mines.

TABLE A.

Summary of the Gold Exported and Received at the Royal Mint during the First Half of the Years 1899 and 1900; also the Yield of Gold reported to the Mines Department during the same period, showing the percentage of Increase or Decrease as compared with the First Half of 1899.

GOLDFIELD.	EXPORT AND MINT.		REPORTED YIELD.			Yield per cent. for 1st half of 1900, compared with total yield, 1899.	Increase or decrease per cent., compared with 1st half of 1899.		Average per ton of ore treated.	
	January to June.		1899.	January to June.			In-crease.	De-crease.	1899.	1st half of 1900.
	1899.	1900.		1899.	1900.					
	ozs.	ozs.	ozs.	ozs.	ozs.				oz.	oz.
1 Kimberley	421	464	917	752	337	37	...	55.2	.72	.32
2 Pilbarra	10,540	7,851	19,292	8,144	7,453	39	...	8.5	2.09	2.40
3 West Pilbarra	431	215	1,935	612	297	15	...	51.5	1.36	.98
4 Ashburton	249	378	1,659	672	949	57	41.2	...	...	...
5 Gascoyne	267	24	334	263	...	...	...	100.0	.91	...
6 Peak Hill	8,419	16,772	31,954	11,638	14,268	45	22.6	...	2.88	2.28
7 East Murchison	19,476	23,919	45,039	19,834	26,502	59	33.6	...	.99	1.03
8 Murchison	48,024	50,143	80,549	36,825	46,547	58	26.4	...	1.16	1.09
9 Yalgoo	3,818	4,057	12,136	4,387	4,670	38	6.5	...	.67	.58
10 Mt. Margaret	35,389	60,134	79,924	34,890	63,067	79	80.8	...	1.04	1.14
11 North Coolgardie	42,029	51,364	116,968	51,473	50,124	43	...	2.6	1.23	1.08
12 Broad Arrow	18,432	25,022	48,194	20,510	23,548	49	14.8	...	.79	.72
13 North-East Coolgardie	45,582	28,651	112,825	64,344	38,463	34	...	40.2	.92	.69
14 East Coolgardie	379,547	389,384	855,405	337,539	350,308	41	3.8	...	1.83	1.53
15 Coolgardie	65,149	61,701	131,257	59,085	54,176	41	...	8.3	.79	.85
16 Yilgarn	6,862	11,795	16,372	6,432	10,938	67	70.0	...	.49	.56
17 Dundas	24,508	19,002	44,213	23,596	19,513	44	...	17.3	.74	.81
18 Donnybrook	92	19	511	132	176	34	33.3	...	1.63	3.08
19 Goldfields generally	521	7,410	1,279	1,262	96	7	...	...	...	...
Totals, percentages, and averages	709,756	758,305	1,600,763	682,390	711,482	44.4	4.3	...	1.31	1.17

Though the gold output for the first half of 1900, as shown by Export and Mint Returns, shows an increase of nearly seven per cent. as compared with the same period of 1899, it only amounts to slightly over 46 per cent. of the total yield for 1899. The yields for the second half of 1899 were swelled by the large yields from some of the Kalgoorlie mines, which are not likely to be equalled during the coming half of 1900, owing to the more cautious and systematic way in which these mines are now being worked. It is satisfactory to note the promising outlook on several of the goldfields, notably the Mt. Margaret and Yilgarn, whose returns show a wonderful increase as compared with 1899.

The first half of 1900 has been marked by an unusually heavy rainfall, unprecedented in the history of the goldfields. On the Eastern Goldfields the rainfall for the first six months of 1899 averaged four inches, while for the same period of 1900 nine inches fell. On the Central Goldfields, for the same period, the rainfall averaged in 1899 4.9 inches, while in 1900 it was 16.2 inches. Though the ultimate benefit to the goldfields will be enormous, yet the unusual amount of rain has been attended with many

inconveniences. For weeks the roads on the Central Goldfields were impassable; and great difficulty was experienced in supplying mine batteries with wood, and public batteries with stone. Many were in consequence almost idle, and the gold yield is doubtless less than it would otherwise have been.

TABLE B.

Return of Ore and Minerals, other than Gold, showing the Quantity produced and the Value thereof, as reported to the Mines Department, from the respective Mining Districts, during 1899 and first half of 1900:—

Ore or Mineral.	Mining District.	Period.	Quantity raised. Tons.	Value thereof. £
Coal	Collie	1899	54,336	25,951
	Do.	1st half of 1900 ...	50,899	23,073
Copper	Mt. Margaret	1899	273	4,338
	Do.	1st half of 1900 ...	935	7,155
Do.	Northampton	1899	136	2,122
	Do.	1st half of 1900 ...	...	...
Do.	Phillips River	1899 ... ..	...	...
	Do.	1st half of 1900 ...	11	256
Do.	Roebourne	1899	2,555	29,478
	Do.	1st half of 1900 ...	1,284	8,646
Lead	Northampton	1899	83	912
	Do.	1st half of 1900 ...	24	348
Tin	Greenbushes	1899	277	21,658
	Do.	1st half of 1900 ...	157	10,912
Do.	Marble Bar	1899	57	3,612
	Do.	1st half of 1900 ...	97	6,684

It will be noticed that the output of Coal for the half-year nearly approaches the total output for 1899. The output of Copper Ore from the Mount Margaret Goldfield shows a large increase in the 1899 yield, while the Phillips River district appears for the first time as a Copper producer. The Marble Bar Tinfield shows a substantial increase on the 1899 yield, and the Greenbushes Tinfield has more than held its own.

The progress of the mineral industry of the Colony for the half-year is satisfactory, though the output shows no phenomenal increase. In the past several of our best mines have been worked more for market purposes than with that due regard for system and economy which is essential to ultimate success. The events of the past few months go to show that the folly of this policy has been recognised, fortunately for the gold-mining industry and shareholders, before irreparable injury has been done to these mines, and there is every indication that, for the future, they will be worked on legitimate lines.

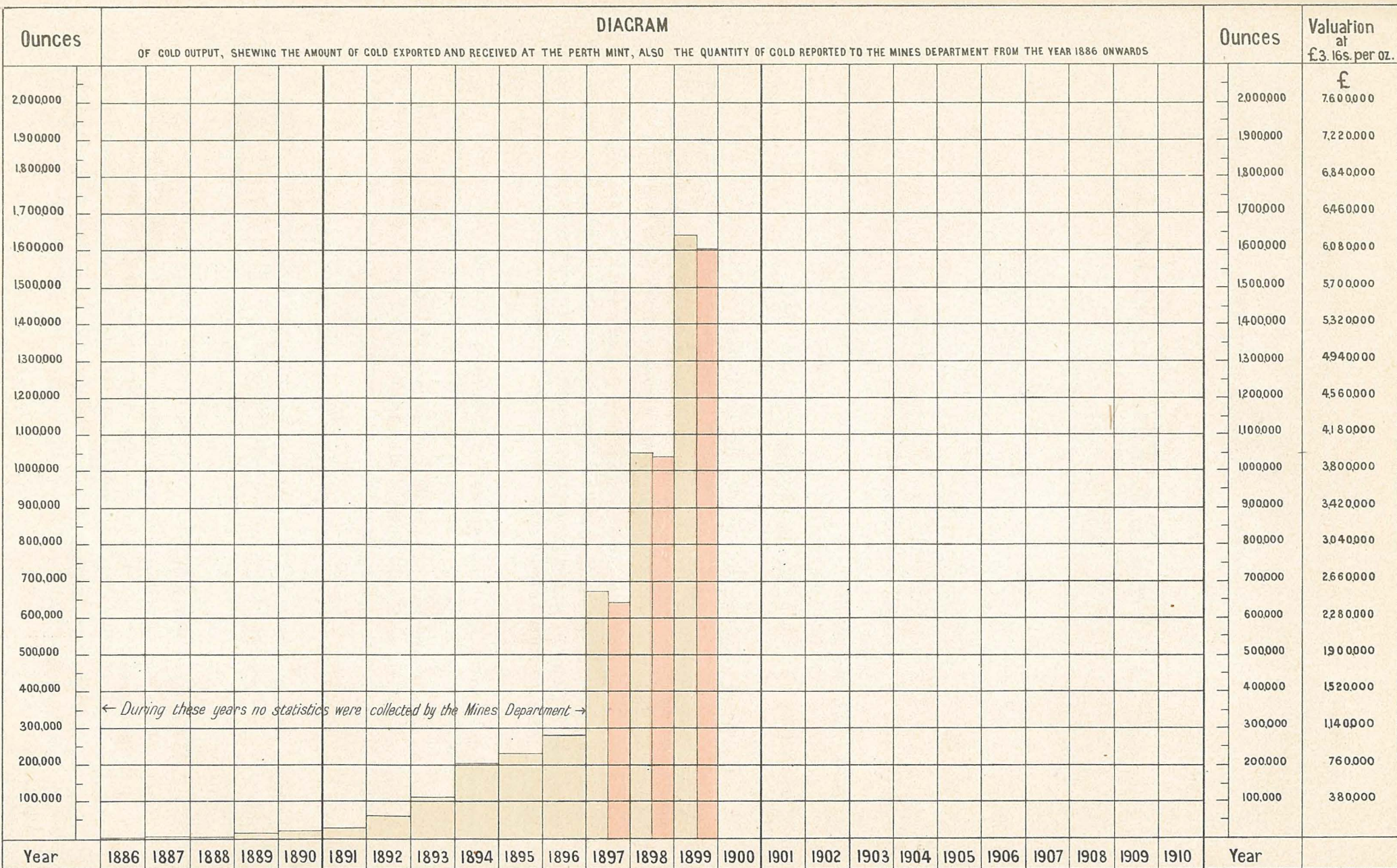
H. S. KING,
Under Secretary for Mines.

Perth, Western Australia, 8th August, 1900.

MINING STATISTICS

TO

31st DECEMBER, 1899.



Reported to the Mines Department

Exported and received at Perth Mint



MINING STATISTICS.

LETTER OF TRANSMITTAL.

Department of Mines,
Statist's Office,
Perth, 30th June, 1900.

The Under Secretary for Mines.

SIR,

I have the honour to transmit herewith, for the information of the Honourable the Minister for Mines, the Mining Statistics of 1899.

The general structure of the work is the same as in previous years, but details have been somewhat modified to economise space and clerical labour.

For the sake of uniformity, all gold dealt with by British Mints is recorded in troy ounces and decimals of an ounce; and, to admit of general international comparison, the decimal system, which is generally acknowledged to be, not only the most convenient but the proper method of dealing with the weight of gold, has been adopted in these Statistics.

In like manner, the same principle has been applied to the tonnage of the ore treated and the sterling values of the different products.

The work now presented consists of three parts: the first dealing with statistics of the staple industry of the Colony, Gold; the second, with those of Minerals other than Gold, and the third, with Machinery, accidents, and deaths.

PART I.—GOLD.

Before touching upon the output, it may not be out of place to give an account of the principal events of the year in connection with the work of this particular branch of the Department.

MONTHLY RETURN UNDER REGULATION 98, AMENDED, SCHEDULE XXII.

On January 1st, 1899, a new system of monthly return from leaseholders and others was inaugurated; the old quarterly method, being found unsuited to the times, was in consequence abolished. Another change effected was the distribution, during the last week in each month, of the required forms for completion, together with an addressed and franked envelope for reply, to the Crown lessees and holders of registered

claims; by this means, besides all cost to the lessees and managers being avoided, the prompt return of the statement was insured, with less likelihood of treatments being omitted than when the time of milling operations, to be reported upon, extended over a period of three months.

MONTHLY RETURN OF PUBLIC CRUSHINGS UNDER REGULATION 45, AMENDED,
SCHEDULE XI.

Concurrent with the foregoing, Regulation 45 was also re-drafted; and, in order that each district should receive credit for its own gold, managers of public reduction works have been particularly requested, when taking delivery of ore presented for treatment, to ascertain the exact locality from which the same is derived.

REVISIONS.

Similar steps were taken, as in 1898, to verify the output from the principal producing mines, thus affording to owners an opportunity of adjusting their returns by the inclusion of the yield from ores sent out of the Colony for treatment. In most cases the differences were slight, and, where necessary, corrections were made at the time, in the Monthly Mining Statistics.

ERRATA.

Under the old regulation, all treatments had to be notified to the Department, in Perth, within fourteen days after completion, and the sum of these treatments had also to be reported to the Wardens concerned, at the end of each quarter. In a Colony so vast as Western Australia, changes of regulation travel slowly, and as the duplicated crushings have taken place principally in outlying parts, difficult of access for further inquiry, these errors, *on the part of leaseholders*, may fairly be ascribed to the temporary confusion existing during the short period necessary for the full publication of the change from the dual system of fortnightly and quarterly to the present one of monthly returns.

THE PRODUCTION.

The quantity of ore milled and gold therefrom has increased enormously in the past three years, as shown by the figures hereunder:—

Years.	Tons.	Ounces.	Average per Ton.
1897	415,424	624,201	1·50 ozs.
1898	762,084	960,250	1·26 ..
1899	1,173,437	1,539,212	1·31 ..

and it is a matter for congratulation that, notwithstanding the vast output, the average rate per ton stands higher for 1899 than in the previous year of 1898.

AVERAGE FINENESS AND VALUE OF GOLD.

An attempt has been made to arrive at the average fineness of the gold produced in 1899. Notwithstanding the formula, with examples, given on the back of the monthly statement, Schedule XXII., it is feared that, in many instances, a too high or too low an estimate has been framed of the gold reported during the past year. A circular, showing exactly the information required, was accordingly sent to all the principal mines, as well as to a number of those of lesser degree. The request contained therein has been fairly well responded to, and the Department is much indebted for the information afforded. With the data thus furnished, it appears that the gold of Western Australia has an average value for 1899 of £3 17s. 1½d.

PART II.—MINERALS OTHER THAN GOLD.

RETURNS.

The collection of these Statistics was initiated during the year, on similar lines to the methods adopted for arriving at the monthly production of gold. The system is generally well received, and, when better known, it is hoped that more data will be supplied, and in consequence a substantial increase in output recorded at the end of the year. The quantity produced is fully detailed on a later page, and the total value, without deductions for charges of transport from place of production, is approximately £100,000.

PART III.—ALL MINES.

As the tables of machinery, accidents, and deaths refer to all mines, they have been collected together to form a third part of this work. Every endeavour has been made to arrive at a correct estimate of the amount of capital represented by Machinery in existence on the 31st December, 1899, and on reference to Table XI. it appears that the value thereof is approximately £2,000,000 sterling. Machinery in course of erection has been omitted from this return.

FINIS.

In addition to the current monthly work, the compilation of the Annual Return and the transformation of the statistics of previous years into the decimal system were big undertakings. The re-arrangement of mines, too, by sub-dividing each Goldfield and District into "Mining Centres," for ready reference, is no mean feature of the work, yet it has been successfully combated by my assistants, to whom every credit is due for the labour and pains bestowed thereon.

As before mentioned, the compilation of the monthly returns, and the intricate nature of the work to be performed by a small staff, have seriously militated against an earlier production of these Statistics. To avoid such a repetition, it is hoped that the suggestions, made elsewhere, for increased permanent assistance will meet with the approval of the Honourable the Minister of Mines. The collection of statistics involves much correspondence, great care, and unceasing diligence, and this class of work has enormously increased, as is amply demonstrated by the bulky appearance of the present volume.

I have, etc.,

JAMES WALLACE,

Statist.

MINING STATISTICS

TO 31ST DECEMBER, 1899.

TABLE OF CONTENTS.

	PAGE
SIGNS AND ABBREVIATIONS, EXPLANATIONS OF	158
SUMMARY OF GOLD AND OTHER MINERALS	159
PART I.—GOLD.	
ERRATA.—List of Crushings duplicated in the Monthly Mining Statistics of 1899	160
TABLE I.—General Return showing, for each Goldfield and Goldfield District, the Area in square miles, particulars of Plant, Leases in Force, average Number of Men employed, the quantities of Alluvial as reported, Dotted and Specimen Gold, and Ore treated with Gold Yield to 31st December, 1899	161
TABLE II.—Return of all Ore treated and Yield of Gold from every Gold-producing Mine in the Colony:—	
1. Kimberley Goldfield	166
2. Pilbarra Goldfield	166
3. West Pilbarra Goldfield	172
4. Ashburton Goldfield	172
5. Gascoyne Goldfield	174
6. Peak Hill Goldfield	174
7. East Murchison Goldfield	176
8. Murchison Goldfield	180
9. Yalgoo Goldfield	194
10. Mount Margaret Goldfield	196
11. North Coolgardie Goldfield	204
12. Broad Arrow Goldfield	216
13. North-East Coolgardie Goldfield	222
14. East Coolgardie Goldfield	230
15. Coolgardie Goldfield	234
16. Yilgarn Goldfield	246
17. Dundas Goldfield	248
18. Donnybrook Goldfield	252
TABLE III.—Abstract of Smeltings, Concentrates, Tailings, and Slimes during 1899	254
TABLE IV.—Return showing the average Fineness and Value of Gold per ounce of each District, Goldfield, and the Colony, for the year 1899	258
TABLE V.—Return of Gold received at the Perth Branch of the Royal Mint from May to 31st December, 1899, showing Quantity obtained from the respective Goldfields and other Countries	259
TABLE VI.—Return of Gold, the produce of the Colony, entered for Export from 1st January, 1886, to 31st December, 1899, showing Quantity obtained from the respective Goldfields; also amount received at the Perth Branch of the Royal Mint	260
TABLE VII.—Return showing Quantity of Gold, the produce of the Colony, entered Monthly for Export, from 1st January, 1894, to 31st December, 1899; also amount received at the Perth Branch of the Royal Mint	261

PART II.—MINERALS OTHER THAN GOLD.

TABLE VIII.—Return of Ore and Minerals, other than Gold, showing the Quantity produced and the Value thereof, as reported to the Mines Department, from the respective Mining Districts during 1899 and previous years	262
TABLE IX.—Return showing the Quantity and Value of Ore and Minerals, as reported to the Mines Department, produced during 1899 and previous years	263
TABLE X.—Return of Ore and Minerals, other than Gold, entered for Export from the Year 1850 to 31st December, 1899, showing the Quantity obtained from certain Mining Districts, and the Value thereof	272

PART III.—ALL MINES.

TABLE XI.—Return showing Quantity and Estimated Value of Mining Machinery in existence on the 31st December, 1899	274
TABLE XII.—Synopsis of Accidents which have occurred during 1899, with their Causes, and the Fields on which they have happened	278
TABLE XIII.—Number of Deaths from Accidents in the different Goldfields, Mining Districts, and Coalfield of the Colony, during the Year 1899	279
TABLE XIV.—Percentage Proportion of the Deaths due to different causes in the separate Goldfields, Mining Districts, and Coalfield of the Colony, compared with the total number of men employed in each, during the Year 1899	280
TABLE XV.—Percentage Proportion of the Deaths due to different causes in the separate Goldfields, Mining Districts, and Coalfield of the Colony, compared with the total number of Deaths in each, during the Year 1899	281

APPENDICES.

Directory of Miscellaneous Information	282
ROYAL MINT (Perth Branch)—Notices	284

EXPLANATIONS OF SIGNS AND ABBREVIATIONS.

* Dollied.	<i>cy.</i> Cyaniding.
† Specimens.	Q.C. Quartz Claim.
‡ Ounces from unknown tons.	R.C. Reward claim.
¶ Extras (magnettings, skimmings, etc.)	M.A. Machinery area.
<i>a.</i> Alluvial.	T.A. Tailings area.
<i>b.</i> Ball mill.	W.R. Water right.
<i>g.</i> Griffin mill.	Abd. Abandoned.
<i>h.</i> Huntington mill.	Canc. Cancelled.
<i>p.</i> Puddler.	Ftd. Forfeited.
<i>s.</i> Salford mill.	Ref. Refused.
<i>t.</i> Tremain mill.	Surr. Surrendered.
<i>pl.</i> Plates.	V.N.P. Void for non-payment of rent.
<i>pr.</i> Prospecting mill.	Wdn. Withdrawn.
<i>con.</i> Concentrates.	

S U M M A R Y.

GOLD and OTHER MINERALS produced in the Colony during 1899 and previous years, and estimated Value thereof.

Description of Mineral.	1899.		1898.		Previous to 1898.		Total to Date.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
GOLD (Export and ¹ § Mint) ounces troy	1,643,877	£ ² \$6,246,732	1,050,184	£ ² \$3,990,698	1,642,620	£ ² \$6,241,956	4,336,681	£ ² \$16,479,386
COPPER (Export) statute tons	1,991	41,452	355	4,265	10,286	162,590	12,632	208,307 ³
IRON (Raised) do.	12,852	8,939	...	...	100	300	12,952	9,239
LEAD (Export) do.	16	96	5	33	33,596	364,385	33,617	364,514
TIN (Export) do.	308	23,163	68	2,760	1,670	73,567	2,046	99,490
ASBESTOS (Export) do.	³ §	1	...	...	...	...	...	1
COAL (Raised) do.	54,336	25,951	3,508	1,761	...	...	57,844	27,712
LIMESTONE (Raised) do.	17,593	2,838	...	...	...	...	17,593	2,838
MICA (Export) do.	³ §	50	...	...	³ §	241	...	291
PIG LEAD (Export) do.	77	1,077	...	...	607	12,229	684	13,306
Total Values ... ..	...	6,350,299	...	3,999,517	...	6,855,268	...	17,205,084

¹ § Since May, 1899. ² § Valuation at £3 16s. per oz. ³ § Tonnage not stated.

ERRATA.

List of Crushings duplicated in the Monthly Mining Statistics of 1899.

Goldfield.	District.	Mining Centre.	No. of Lease.	Name of Mine.	§ Crushing as first Reported.			Duplication.		
					Month.	Tons.	Ozs.	Month.	Tons.	Ozs.
Pilbarra ...	Marble Bar ...	North Pole ...	453, M.A. 21 ...	North Pole Democrat ...	November ...	20'00	25'00	December ...	20'00	25'00
Murchison ...	Nannine ...	Burnakura ...	84N ...	Alliance ...	January ...	102'00	196'50	March ...	102'00	196'50
Do. ...	do. ...	Nannine ...	8N ...	Caledonian Extended ...	October ...	20'00	139'35	December ...	20'00	139'35
Do. ...	do. ...	do. ...	47N, 67N ...	Champion Extended G.M. Co. ...	October ...	21'00	19'91	November ...	21'00	20'00
Do. ...	do. ...	do. ...	Q.C. 32N ...	Breadsells ...	October ...	116'00	107'75	November ...	116'00	108'00
Do. ...	do. ...	Meekatharra ...	246N ...	Sirdar ...	April ...	...	a 15'00	June ...	...	*15'00
Do. ...	Mt. Magnet ...	Lenmonville ...	333M ...	Fair Play ...	August ...	31'00	58'00	September ...	31'00	58'72
Mt. Margaret ...	Mt. Malcolm ...	Mt. Malcolm ...	689c ...	Clifton Hill ...	September ...	16'00	10'27	October ...	10'00	10'27
Do. ...	do. ...	do. ...	258c ...	Triumph ...	January ...	17'50	18'60	March ...	17'50	18'60
Do. ...	Mt. Margaret ...	Mt. Weld ...	781r ...	Sailor Prince ...	February ...	100'00	171'00	March ...	100'00	171'00
N. Coolgardie ...	Menzies ...	Menzies ...	2826z, etc. ...	Menzies, Ltd. ...	November ...	57'00	58'75	December ...	57'00	58'75
Do. ...	Ularring ...	Mt. Higgins ...	8u ...	Mt. Higgins Property ...	November ...	28'00	39'75	December ...	28'00	39'75
Do. ...	do. ...	Mulline ...	340u ...	Dungan ...	August ...	35'00	17'65	September ...	35'00	17'67
Do. ...	do. ...	do. ...	390u ...	Riverina North Extended ...	July ...	15'00	39'00	September ...	15'00	39'40
Do. ...	do. ...	do. ...	Q.C. 254u ...	Great Argosy ...	March ...	19'00	14'31	April ...	19'00	14'55
Broad Arrow ...	Broad Arrow ...	Broad Arrow ...	993w ...	Eureka ...	February ...	56'00	{ 72'47 }	March ...	56'00	{ 72'47 }
							{ *42'25 }			{ *42'25 }
N.E. Coolgardie ...	Bulong ...	Bulong ...	715x ...	Commonwealth ...	August ...	20'00	20'26	September ...	20'00	20'25
Coolgardie ...	Coolgardie ...	Burbanks ...	3689 ...	Scandia ...	May ...	23'00	16'10	June ...	23'00	16'15
Dundas ...	...	Norseman ...	128 ...	Edwards ...	February ...	50'00	112'72	March ...	50'00	112'72
Do. ...	...	do. ...	729 ...	Block 14 Proprietary ...	May ...	11'00	9'02	June ...	11'00	9'02
Do. ...	...	do. ...	713 ...	Lady Mary North ...	February ...	12'00	3'00	April ...	12'00	3'00
Do. ...	...	do. ...	Unreg. Q.C. ...	Little Wonder ...	May ...	18'50	18'75	June ...	18'50	18'75
				Total ...	...	782'00	1,225'41	...	782'00	1,227'17

§ With the exception of the amount from the Sirdar G.M. Lease, Nannine, the ore and gold first reported have been taken, and the second or duplicated quantities cancelled in compiling the annual statistics.

TABLE I.

GENERAL RETURN showing, for each Goldfield and Goldfield District, the Area in square miles, particulars of Plant, Leases in force, average Number of Men employed, the quantities of Alluvial as reported, Dollied and Specimen Gold and Ore treated with Gold Yield to 31st December, 1899.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	WARDEN'S HEAD QUARTERS.	DATE OF PROCLAMATION OF GOLDFIELD.				AREA IN SQUARE MILES.		PARTICULARS OF PLANT.				LEASES IN FORCE.		AVERAGE NUMBER OF MEN EMPLOYED.					
				Proclamation gazetted.	To take effect from	Latest Amendment of Boundaries gazetted.	To take effect from	District.	Goldfield.	Milling.		Cyaniding.		No.	Area in Acres.	Above ground.	Under ground.				
										Number Stamps.	Other Mills.	Leaching Vats.	Filter Presses.								
NORTHERN GOLDFIELDS	Kimberley ...	...	Hall's Creek ...	20-5-86	20-5-86	...	...	...	46,886	70	1	...	...	3	32	6	6
	Pilbarra ...	Marble Bar ...	Marble Bar ...	1-10-88	1-10-88	20-9-95	1-11-95	25,205	...	80	2	...	...	34	277	45	79		
	Do. ...	Nullagine ...	...					9,675	34,880	30	...	...	24	195	62	54		
	West Pilbarra ...	...	Roebourne ...	20-9-95	1-11-95	...	...	...	9,480	20	2	...	...	9	101	25	23
	Ashburton ...	...	Mt. Mortimer ...	11-12-90	11-12-90	25-6-97	15-4-97	...	6,992	...	...	...	...	...	...	3	3
Gascoyne ...	...	Bangemall ...	25-6-97	15-4-97	...	...	...	5,061	...	1	...	...	5	72	2	2	
CENTRAL GOLDFIELDS	Peak Hill ...	...	Peak Hill ...	19-3-97	1-4-97	...	...	...	12,194	43	...	...	...	117	1,697	139	210
	East Murchison ...	...	Lawlers ...	28-6-95	28-6-95	24-12-97	1-1-98	...	28,242	144	1	5	...	112	1,524	300	250			
	Murchison ...	Cue ...	Cue ...	24-9-91	24-9-91	8-2-95	23-1-95	7,917	...	145	2	18	...	78	776	102	145				
	Do. ...	Nannine ...	...					7,780	...	163	...	...	105	1,119	175	234		
	Do. ...	Day Dawn ...	...					728	...	95	...	16	53	503	84	91				
	Do. ...	Mt. Magnet ...	...					4,088	20,513	105	2	6	115	1,047	268	293				
	Yalgoo ...	...	Yalgoo ...	8-2-95	23-1-95	...	...	...	18,921	68	4	6	...	49	495	149	171
	Mt. Margaret ...	Mt. Malcolm ...	Mt. Malcolm ...	12-3-97	1-4-97	24-12-97	1-1-98	2,644	...	198	2	17	...	206	3,885	423	451				
	Do. ...	Mt. Margaret ...	...	28-6-95	28-6-95	12-3-97	1-4-97	39,510	42,154	101	2	11	...	88	1,634	205	236			
	North Coolgardie ...	Menzies ...	Menzies ...					3,268	...	186	...	20	105	1,415	313	364					
Do. ...	Ularring ...	...	12,256					...	60	...	...	81	1,109	140	200			
Do. ...	Niagara ...	...	779					...	95	1	...	79	907	132	183					
EASTERN GOLDFIELDS	Do. ...	Yerilla ...	...	17-11-96	20-11-96	...	...	14,306	30,609	55	3	9	...	38	574	130	111	
	Broad Arrow ...	...	Broad Arrow ...					...	590	...	228	1	30	128	1,711	397	485
	North-East Coolgardie ...	Kanowna ...	Kanowna ...					20-3-96	15-4-96	13-11-96	20-11-96	1,099	...	191	10	8	...	125	1,602	187	243
	Do. ...	Bulong									991	...	50	59	818	120	120	
	Do. ...	Kurnalpi ...	...	19,452	21,542	5	1					...	8	133	19	29				
	East Coolgardie ...	...	Kalgoorlie ...	21-9-94	1-10-94	20-3-96	15-4-96	...	632	295	40	143	53	393	6,535	2,518	2,592			
	Coolgardie ...	Coolgardie ...	Coolgardie ...	6-4-94	6-4-94	20-3-96	15-4-96	9,221	...	353	3	42	2	272	3,427	769	957				
	Do. ...	Kumanalling ...	...					2,753	11,974	136	1	6	122	1,583	378	456				
	Yilgarn ...	...	Southern Cross ...	1-10-88	1-10-88	20-3-96	15-4-96	...	15,593	170	...	2	...	46	788	200	202			
	Dundas ...	...	Norseman ...	31-8-93	31-8-93	20-3-96	15-4-96	...	17,848	192	3	24	...	110	1,352	215	332			
Donnybrook ...	...	Donnybrook ...	17-11-99	27-11-99	...	...	...	102	...	1	...	...	45	807	19	33	
Goldfields generally ...	...	...	...	...	...	...	...	...	60	...	5	...	...	...	...	...	...
			Total ...	...	...	...	...	324,213	3,338	83	368	55	2,609	36,118	7,525	8,555	

TABLE I.—GENERAL RETURN for each Goldfield and Goldfield District, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	FIRST QUARTER OF 1899.					SECOND QUARTER OF 1899.				
			Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.
			Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Tons.	Ozs.	Ozs.
NORTHERN GOLDFIELDS	Kimberley ... ..	...	110'00	...	365'00	270'45	'74	142'00	...	329'00	229'70	'69
	Pilbarra	Marble Bar	50'00	640'00	716'70	972'66	1'35	50'00	...	1,526'10	3,918'07	2'56
	Do.	Nullagine	220'00	...	294'00	686'75	2'33	263'49	...	406'75	1,342'75	3'30
	West Pilbarra ... ..	...	...	...	101'00	197'00	1'95	...	...	183'00	415'08	2'26
	Ashburton ... ..	...	61'00	...	...	...	...	611'10	...	...	...	...
	Gascoyne ... ..	...	90'00	...	133'00	129'35	'97	17'85	...	25'00	25'45	1'01
CENTRAL GOLDFIELDS	Peak Hill ... ..	...	...	164'90	754'00	2,634'40	3'49	...	46'35	2,917'00	8,792'80	3'01
	East Murchison ... ..	...	464'19	339'16	9,449'40	8,745'03	'92	486'07	610'37	9,413'25	9,189'10	'97
	Murchison	Cue ... ..	...	58'20	4,488'52	4,005'51	'89	16'10	53'30	4,672'00	4,758'17	1'01
	Do.	Nannine ... ..	...	357'75	2,204'50	2,230'93	1'01	...	806'10	2,893'50	6,271'40	2'16
	Do.	Day Dawn	1'75	...	1,325'25	3,852'16	2'90	10'57	305'22	1,579'50	3,687'39	2'33
	Do.	Mt. Magnet ... ..	...	209'27	5,258'75	5,185'90	'98	87'53	314'85	6,429'82	4,613'20	'71
	Yalgoo ... ..	...	...	16'50	3,113'85	1,688'26	'54	...	...	2,881'80	2,682'25	'93
	Mt. Margaret	Mt. Malcolm	1'50	13,196'50	12,804'81	...	'97	91'46	325'00	14,732'25	13,746'68	'93
	Do.	Mt. Margaret ... ..	...	...	1,792'00	2,266'22	1'26	16'97	157'35	4,529'50	5,479'73	1'21
	North Coolgardie	Menzies	53'20	50'00	9,091'30	13,949'83	1'53	34'38	140'00	11,468'30	16,746'78	1'46
EASTERN GOLDFIELDS	Do.	Ularung ... ..	...	10'50	615'67	1,028'96	1'67	...	6'10	2,753'25	3,905'59	1'41
	Do.	Niagara ... ..	...	31'09	4,045'50	3,116'33	'77	3'24	20'00	8,883'75	7,209'73	'81
	Do.	Yerilla	203'00	53'32	1,211'25	1,582'70	1'30	209'63	152'69	2,307'01	2,966'05	1'28
	Broad Arrow ... ..	...	74'98	94'73	10,411'65	8,958'04	'86	6'23	5'00	11,447'60	11,370'77	'99
	North-East Coolgardie	Kanowna (quartz cement) ... ..	...	46'50	5,551'50	5,936'34	1'06	...	76'00	5,308'50	5,455'50	1'02
	Do.	Bulong	4,300'32	1'00	10,775'80	10,655'23	'98	8,015'13	...	12,298'35	11,729'67	'95
	Do.	Kurnalpi	2,450'76	412'00	3,194'25	3,432'63	1'07	2,842'74	300'45	6,696'80	7,122'77	1'06
	Do. ... ..	...	255'48	...	76'00	92'82	1'22	1,116'26	...	130'00	102'84	'79
	East Coolgardie ... ..	...	...	8'76	98,618'56	141,456'54	1'43	4'35	13'40	117,630'75	196,056'14	1'66
	Coolgardie	Coolgardie	491'05	27'72	23,375'19	17,068'95	'73	503'70	464'73	31,528'09	22,117'00	'70
	Do.	Kunaualling ... ..	...	45'94	8,087'85	6,921'42	'85	...	144'33	8,965'80	6,384'06	'71
	Yilgarn ... ..	...	...	...	6,093'08	3,047'21	'50	...	...	8,985'10	3,384'51	'37
Dundas ... ..	...	142'75	2'00	13,912'30	11,214'43	'80	...	104'42	16,825'50	12,132'24	'72	
Donnybrook ... ..	...	...	...	...	...	...	16'00	...	52'75	116'00	2'19	
Goldfields generally ... ..	...	...	...	...	321'90	...	15'20	12'60	...	912'00	...	
	Total ... ..	...	8,968'48	2,570'84	238,252'37	274,455'76	1'15	14,560'00	4,058'26	297,800'02	372,863'42	1'25

TABLE I.—GENERAL RETURN for each Goldfield and Goldfield District, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	THIRD QUARTER OF 1899.					FOURTH QUARTER OF 1899.				
			Alluvial.	Dollied and Specimens.	Ore Treated.	Gold therefrom.	Average per ton treated.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.
			Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Tons.	Ozs.	Ozs.
NORTHERN GOLDFIELDS	Kimberley ... ..	...	80'00	...	...	...	...	85'00	...	...	...	...
	Pilbarra	Marble Bar	558'50	...	1,369'10	2,358'17	1'72	1,220'00	140'27	1,573'60	3,473'82	2'20
	Do.	Nullagine	133'80	26'45	906'40	1,556'55	1'71	112'50	27'00	774'90	1,541'20	1'98
	West Pilbarra ... ..	...	...	...	460'00	434'42	'94	735'07	...	135'85	153'23	1'12
	Ashburton ... ..	...	536'00	77'00	...	...	...	374'00	...	...	...	...
CENTRAL GOLDFIELDS	Gascoyne ... ..	...	58	...	58'00	34'60	'59	11'00	...	19'35	24'94	1'28
	Peak Hill ... ..	...	...	264'00	4,342'00	13,186'80	3'03	...	3'65	2,909'00	6,860'75	2'35
	East Murchison ... ..	...	473'65	208'55	10,027'20	10,283'14	1'02	204'31	327'30	13,276'90	13,708'03	1'03
	Murchison	Cue	8'29	8'69	2,885'75	5,421'22	1'87	22'00	2'70	5,012'00	6,341'82	1'26
	Do.	Nannine	1'90	...	6,580'50	7,002'38	1'06	...	...	4,286'50	6,346'08	1'48
	Do.	Day Dawn	35'99	443'32	1,284'50	1,817'51	1'41	15'00	199'51	1,789'25	2,630'99	1'47
	Do.	Mt. Magnet ... ..	...	54'94	7,368'55	4,822'83	'65	...	30'65	8,637'98	8,517'59	'98
	Yalgoo ... ..	...	...	...	6,293'86	4,141'37	'65	...	...	5,644'00	3,607'56	'64
	Mt. Margaret	Mt. Malcolm	184'12	29'54	13,986'50	13,167'05	'94	31'95	87'79	15,458'10	15,119'31	'97
	Do.	Mt. Margaret ... ..	...	...	5,429'50	9,031'76	1'66	20'55	...	6,462'00	7,361'93	1'13
EASTERN GOLDFIELDS	North Coolgardie	Menzies ... ..	...	53'00	9,621'50	14,527'90	1'50	2'04	22'00	12,056'00	16,789'76	1'39
	Do.	Ularring ... ..	...	2'08	4,702'00	7,257'71	1'54	1'82	'83	3,838'45	6,116'92	1'59
	Do.	Niagara	25'10	23'80	9,434'50	7,232'15	'76	1'10	24'84	9,945'75	8,354'02	'83
	Do.	Yerilla	217'79	466'88	2,129'92	2,346'02	1'10	45'48	61'21	1,118'10	1,922'57	1'72
	Broad Arrow ... ..	...	...	4'15	17,181'15	11,798'96	'68	33'00	94'05	20,936'00	15,754'47	'75
	North-East Coolgardie	Kanowna (quartz cement)	3,932'21	...	5,686'75	5,333'68	'93	...	498'60	6,248'00	5,758'67	'92
	Do.	Bulong	3,156'15	185'20	5,323'80	5,557'71	1'04	3,214'63	...	8,392'00	5,943'49	'70
	Do.	Kurnalpi	1,377'00	...	145'00	154'40	1'06	2,642'23	118'00	2,925'75	2,207'11	'75
	East Coolgardie ... ..	...	80'50	4'38	127,779'50	270,815'40	2'11	505'40	3'02	122,730'28	246,456'98	2'00
	Coolgardie	Coolgardie	382'58	86'45	35,760'85	32,130'84	'89	5,094'85	23'62	29,934'10	28,379'34	'94
Do.	Kumanalling	4'22	85'73	8,955'05	4,799'87	'53	...	835'02	8,396'21	5,262'47	'62	
Yilgarn ... ..	...	...	...	8,753'00	4,012'79	'45	...	...	9,572'00	5,927'27	'61	
Dundas ... ..	...	...	13'75	13,098'00	8,394'17	'64	...	26'01	15,543'50	12,183'53	'78	
Donnybrook ... ..	...	...	16'10	...	113'14	'74	...	...	90'10	250'25	2'77	
Goldfields generally ... ..	...	...	1'70	1'58	...	...	...	7'00	6'92	...	...	...
		Total	11,206'18	2,050'61	319,678'63	454,898'46	1'42	15,603'82	2,532'99	317,705'67	436,994'10	1'37

TABLE I.—GENERAL RETURN for each Goldfield and Goldfield District, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	TOTAL FOR 1899.					TOTAL PREVIOUS TO 1899.				
			Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.	Average per ton treated.	Ounces from unknown tons.	Alluvial.	Dollied and Specimens.	Ore treated.	Gold therefrom.
			Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Ozs.	Tons.	Ozs.
NORTHERN GOLDFIELDS	Kimberley	...	417-00	...	694-00	500-15	72	...	310-00	...	13,758-00	13,093-47
	Pilbarra	Marble Bar	1,878-50	780-27	5,185-50	10,722-72	2-06	2,082-00	1,000-00	102-00	20,136-95	40,565-29
	Do.	Nullagine	729-79	53-45	2,382-05	5,127-25	2-15	...	1,000-00	...	2,842-60	4,960-32
	West Pilbarra	...	735-07	...	879-85	1,199-73	1-36	...	...	...	971-15	1,524-67
	Ashburton	...	1,582-10	77-00	...	...	...	...	540-58	263-00	...	...
	Gascoyne	...	119-43	...	235-35	214-34	91	...	...	20-30	1-35	6-75
CENTRAL GOLDFIELDS	Peak Hill	...	...	478-90	10,922-00	31,474-75	2-88	4,551-60	...	767-55	7,913-19	31,603-56
	East Murchison	...	1,628-22	1,485-38	42,166-75	41,925-30	99	...	1,262-32	1,558-43	45,177-99	57,830-64
	Murchison	Cue	46-39	122-89	17,058-27	20,526-72	1-20	1,072-00	...	324-00	75,634-85	67,624-51
	Do.	Nannine	1-90	1,163-85	15,965-00	21,850-79	1-36	...	...	688-44	62,239-50	58,319-93
	Do.	Day Dawn	63-31	948-05	5,978-50	11,988-05	2-00	...	...	791-74	76,147-10	87,910-15
	Do.	Mt. Magnet	87-53	609-71	27,695-10	23,139-52	83	...	...	3,056-61	61,043-15	62,217-48
	Yalgoo	...	...	16-50	17,933-51	12,119-44	67	...	...	...	10,579-47	13,981-74
	Mt. Margaret	Mt. Malcolm	307-53	443-83	57,373-35	54,837-85	95	...	1,264-09	2,355-78	45,256-46	64,980-85
	Do.	Mt. Margaret	37-52	157-35	18,213-00	24,139-64	1-32	...	...	350-15	5,679-95	8,351-09
	North Coolgardie	Menzies	89-62	265-00	42,237-10	62,014-27	1-46	...	...	...	67,520-90	133,992-34
EASTERN GOLDFIELDS	Do.	Ularring	1-82	19-51	11,909-37	18,309-18	1-53	...	...	354-49	1,712-24	4,584-73
	Do.	Niagara	29-44	99-73	32,309-50	25,912-23	80	...	60-00	22-10	13,091-95	10,301-68
	Do.	Yerilla	675-90	734-10	6,766-28	8,817-34	1-30	275-00	60-00	3,839-62	6,813-95	7,714-59
	Broad Arrow	...	114-21	197-93	59,976-40	47,882-24	79	250-00	1,483-59	297-62	53,176-56	49,289-01
	North-East Coolgardie	Kanowna (quartz cement)	...	632-22	22,794-75	22,484-19	98	...	...	324-73	52,223-65	49,135-68
	Do.	...	19,462-29	1-00	41,429-95	35,494-31	85	...	74,153-44	...	45,983-23	68,183-54
	Do.	Bulong	11,091-88	1,015-65	18,140-60	18,320-22	1-01	...	4,299-45	1,656-00	14,975-95	19,611-10
	Do.	Kurnalpi	3,973-63	...	351-00	350-06	99	...	1,534-82	151-07	1,141-55	820-95
	East Coolgardie	...	590-25	29-56	466,759-09	854,785-06	1-83	500-00	...	194-15	428,916-82	862,290-52
	Coolgardie	Coolgardie	6,472-18	602-52	120,598-23	99,696-13	82	...	52-71	861-36	147,112-80	188,181-26
	Do.	Kunanalling	4-22	1,111-02	34,404-91	23,370-82	67	...	...	534-45	48,113-20	49,016-30
	Yilgarn	...	...	...	33,403-18	16,371-78	49	...	...	738-18	238,720-35	122,298-64
Dundas	...	...	142-75	146-18	59,379-30	43,924-37	74	...	...	83-10	50,831-33	59,978-80
Donnybrook	...	...	32-10	...	294-80	479-39	1-62	...	...	...	18-00	14-65
Goldfields generally	...	...	23-90	21-10	...	1,233-90	...	...	...	...	...	...
		Total	50,338-48	11,212-70	1,173,436-69	1,539,211-74	1-31	8,730-60	87,021-00	19,334-87	1,597,734-19	2,138,384-24

TABLE I.—GENERAL RETURN for each Goldfield and Goldfield District, etc.—continued.

GEOGRAPHICAL DIVISION.	GOLDFIELD.	DISTRICT.	TOTAL GOLD PRODUCTION.						QUANTITY OF GOLD EXPORTED AND RECEIVED AT ROYAL MINT.				
			Ounces from unknown tons.	Alluvial.	Dolled and Specimens.	Ore Treated.	Gold therefrom.	Average per ton treated.	During 1899.	Previous to 1899.	Total.	Value. \$	
			Ozs.	Ozs.	Ozs.	Tons.	Ozs.	Ozs.	Ozs.	Ozs.	Ozs.	£ s. d.	
NORTHERN GOLDFIELDS	Kimberley	...	...	727-00	...	14,452-00	13,593-62	94	1,122-81	24,215-30	25,338-11	96,284 16 4
	Pilbarra	Marble Bar	2,082-00	2,878-50	882-27	25,322-45	51,288-01	2-02	20,526-20	134,897-05	155,423-25	590,608 7 0	
	Do.	Nullagine	...	1,729-79	53-45	5,224-65	10,087-57	1-93					
	West Pilbarra	735-07	...	1,851-00	2,724-40	1-47	1,955-51	2,028-27	43,983-78	15,138 7 3
	Ashburton	2,122-68	340-00	521-30	4,290-42	4,811-72	18,284 10 9
	Gascoyne	119-43	20-30	236-70	221-09	93	418-72	...	418-72	1,591 2 9
CENTRAL GOLDFIELDS	Peak Hill	...	4,551-60	...	1,246-45	18,835-19	63,078-31	3-34	31,995-34	18,846-85	50,842-19	193,200 6 5	
	East Murchison	...	...	2,890-54	3,043-81	87,344-74	99,755-94	1-14	41,569-66	49,017-16	90,586-82	344,229 18 4
	Murchison	Cue	1,072-00	46-39	446-89	92,693-12	88,151-23	95	93,518-03	413,896-63	507,414-66	1,928,175 14 2	
	Do.	Nannine	...	1-90	1,852-29	78,204-50	80,170-72	1-02					
	Do.	Day Dawn	...	63-31	1,739-79	82,125-60	99,898-20	1-21	96	85,357-00	85,357-00	...	
	Do.	Mt. Magnet	...	87-53	3,666-32	88,738-25	85,357-00	9-06					
Yalgoo	...	...	...	...	16-50	28,512-98	26,101-18	91	10,879-58	5,790-61	16,670-19	63,346 14 5
EASTERN GOLDFIELDS	Mt. Margaret	Mt. Malcolm	...	1,571-62	2,799-61	102,629-81	119,818-70	1-16	81,817-07	51,952-42	133,769-49	508,324 1 3	
	Do.	Mt. Margaret	...	37-52	507-50	23,892-95	32,490-73	1-35					
	North Coolgardie	Menzies	...	89-62	265-00	109,758-00	196,006-61	1-78	105,688-76	162,341-95	268,030-71	1,018,516 14 0	
	Do.	Ularring	...	1-82	374-00	13,621-61	22,893-91	1-68					
	Do.	Niagara	...	89-44	121-83	45,401-45	36,213-91	7-9	44,524-29	28,790-71	73,315-00	278,597 0 0	
	Do.	Yerilla	...	275-00	735-90	4,573-72	13,580-23	1-21					
Broad Arrow	...	...	250-00	1,597-80	495-55	113,152-96	97,171-25	85	81,171-18	162,259-49	243,430-67	925,036 10 11
North-East Coolgardie	Kanowna	quartz cement	...	...	956-95	75,018-40	71,619-87	95				
Do.	Bulong	...	...	93,615-73	1-00	87,413-18	103,677-85	1-18	923,617-70	835,636-57	1,759,254-27	6,685,166 4 6
Do.	Kunmalpi	...	...	15,391-33	2,671-65	33,116-55	37,931-32	1-14				
East Coolgardie	...	...	500-00	590-25	223-71	895,675-91	1,717,075-58	1-91	141,170-08	531,104-38	672,274-46	2,554,642 18 11
Coolgardie	Coolgardie	...	...	6,524-89	1,463-88	267,711-03	287,877-39	1-07				
Do.	Kumanalling	...	...	4-22	1,645-47	82,518-11	72,387-12	87	16,805-04	211,424-88	228,229-92	867,273 13 11
Yilgarn	...	...	...	...	738-18	272,123-53	138,670-42	50				
Dundas	...	...	...	142-75	229-28	110,210-63	103,903-17	94	45,164-95	56,311-19	101,476-14	385,609 6 8
Donnybrook	...	...	...	32-10	...	112-80	494-04	1-58	506-11	...	506-11	1,923 4 4
Goldfields generally	...	...	...	23-90	21-10	...	1,233-90	...	904-39	...	904-39	3,436 13 8
Total			8,730-60	137,359-48	30,547-57	2,771,170-88	3,677,595-98	1-32	1,643,876-72	2,692,803-88	4,336,680-60	16,479,386 5 7	

§ Valuation at £3 16s. per oz. †† Prior to 1st May, 1898, included with Pilbarra. ‡‡ Prior to 1st March, 1899, included with Ashburton. †‡ From 1st August, 1897. †‡ Prior to 1st April, 1897, included with Murchison.
 † Prior to 1st May, 1896, included with Coolgardie. † From 1st September, 1897. † Declared 5th April, 1894, to which date included with Yilgarn. † Prior to 1893, included with Yilgarn. † From 1st March, 1899.

TABLE

Return of all Ore Treated and Yield of Gold

Kimberley

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								Tons.	Tons.	
Hall's Creek ...	43 ...	Jubilee ...	...	Ftd.	...	...	...	...	...	...
Do. ...	1 ...	Lady Broome ...	...	Ftd.	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Mt. Dockrell ...	47 ...	Lady Hopetoun ...	...	Ftd.	...	...	...	...	...	...
Do. ...	7, M.A. 7 ...	Victoria (late Mt. Dockrell)	...	Abd.	10	...	...	...	...	...
Ruby Creek ...	44, M.A. 16 ...	No. 1 North Ruby Queen...	...	Ftd.	10	...	...	...	...	...
Do. ...	42 ...	Rising Sun ...	...	Ftd.	...	...	...	...	...	...
Do. ...	61, M.A. 9 ...	Ruby Queen ...	...	a. r. p.	20	...	...	...	...	...
Do. ...	46 ...	St. Lawrence ...	...	5	...	...	...	...	...	...
Do. ...	31 ...	Sunny Corner ...	...	Ftd.	...	...	...	...	...	...
Do. ...	24 ...	West & Left ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
The Brockman ...	48 ...	Afghan ...	...	Ftd.	...	...	...	...	...	...
Do. ...	40 ...	Brockman King ...	...	Ftd.	...	...	...	...	...	...
Do. ...	30 ...	Faugh-a-Ballagh ...	...	Ftd.	...	...	...	...	...	...
Do. ...	53 ...	...	Jackson's Reef G.M. Co.	Ftd.	...	...	...	...	...	...
Do. ...	141aC, M.A. 8	Mt. Bradley Tunnelling Claim	...	32 2 0	25	h1	...	...	...	...
Do. ...	10 ...	Southern Cross ...	...	Ftd.	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
The Mary ...	60, M.A. 15	Reform ...	...	Ftd.	5	...	...	...	...	...
The Panton ...	54 ...	Comet ...	...	Ftd.	...	...	...	...	...	...
Do. ...	59 ...	...	Panton River United G.M. Co.	Ftd.	...	...	...	...	...	...
Do. ...	58 ...	Perseverance ...	...	Ftd.	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
		From Goldfield generally	...	...	...	...	...	...	...	...
			Total ...	...	70	1	...	...	...	...

Pilbarra

MARBLE BAR

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								Tons.	Tons.	
Bamboo Creek ...	395 ...	Alpha ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	161 (193) ...	...	(Bamboo Consolidated G.M. Co.)	6	...	...	...	...	...	...
Do. ...	547 (409), M.A. 9	...	Bamboo Queen and Reward Mines, Ltd.	6	10	...	...	...	...	...
Do. ...	408 ...	Bonnie Doone ...	...	24	...	...	...	...	...	...
Do. ...	161 ...	Bulletin ...	...	6	10	...	...	...	...	...
Do. ...	462 ...	Federation ...	...	Abd.	...	...	...	...	...	...
Do. ...	46, 49 ...	...	(Mt. Prophecy and Perseverance Gold Mines, Ltd.)	12	...	...	...	...	...	...
Do. ...	119 ...	Nil Desperandum ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	71, 187 ...	Tasmanian and No. 1 Tim- buctoo	...	V.N.P.	...	...	...	...	...	...
Do. ...	62, 408 (76, 407, 471)	...	Pilbarra Goldfields, Ltd.	36	...	...	...	...	...	...
Do. ...	171 ...	...	Pilbarra Syndicate, Ltd.	V.N.P.	...	...	...	...	...	...
Do. ...	432 ...	Premier ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	552 (462) ...	Tide Wave ...	...	Abd.	...	...	...	...	...	...
Lallarookh ...	M.A. 23 ...	...	Lallarookh Gold Mining Co.	...	t 1	...	...	...	...	...
Marble Bar ...	401 ...	Augusta No. 1 South ...	...	Abd.	...	...	...	...	...	...
Do. ...	7 (280) ...	...	Consld. G.Ms. of W.A., Ltd.	18	...	...	...	...	...	...
Do. ...	...	...	Do. do. do.	...	...	...	...	...	...	...
			Carried forward ...	...	20	1	...	...	...	...

II.

of every Gold-producing Mine in the Colony.

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	23'00	490'58	...	...	23'00	490'58	...	
...	400'00	30'00	...	...	400'00	30'00	...	07
...	94'55	68'30	...	...	94'55	68'30	...	
...	40'00	351'70	...	...	40'00	351'70	...	8'79
...	4'00	123'30	...	...	4'00	123'30	...	
...	191'00	202'75	...	...	191'00	202'75	...	1'06
...	577'00	535'30	...	...	577'00	535'30	...	92
...	...	574'00	403'00	...	...	6,167'00	4,607'50	...	...	6,741'00	5,010'50	...	3 15 0
...	1,377'50	1,588'98	...	...	1,377'50	1,588'98	...	1'15
...	22'00	64'58	...	...	22'00	64'58	...	2'93
...	679'50	1,033'95	...	...	679'50	1,033'95	...	1'52
...	151'00	138'85	...	...	151'00	138'85	...	
...	94'00	74'50	...	...	94'00	74'50	...	79
...	85'25	39'22	...	...	85'25	39'22	...	46
...	15'00	17'45	...	...	15'00	17'45	...	1'16
...	1,153'50	1,396'05	...	...	1,153'50	1,396'05	...	1'21
...	...	120'00	97'15	...	...	2,113'00	1,650'46	...	...	2,233'00	1,747'61	...	3 12 4
...	5'00	3'25	...	...	5'00	3'25	...	65
...	129'00	280'34	...	...	129'00	280'34	...	
...	399'00	228'85	...	...	399'00	228'85	...	57
...	28'70	147'34	...	...	28'70	147'34	...	5'13
...	1'00	80	...	...	1'00	80	...	80
...	5'00	3'00	...	...	5'00	3'00	...	60
417'00	310'00	...	...	...	727'00	...	...	...	...
417'00	...	694'00	500'15	310'00	...	13,758'00	13,093'47	727'00	...	14,452'00	13,593'62	...	94

Goldfield.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	...	4'00	8'40	...	...	...	...	...	...	4'00	8'40	...	2'10
...	1,579'50	3,276'00	...	...	1,579'50	3,276'00	...	2'07
...	...	100'50	137'80	...	...	1,290'00	2,299'00	...	...	1,390'50	2,436'80	...	3 19 0
...	...	65'00	55'60	...	...	...	...	...	...	65'00	55'60	...	85
...	...	530'00	724'45	...	...	...	...	...	...	530'00	724'45	...	3 19 6
...	34'50	50'55	...	...	34'50	50'55	...	1'46
...	...	221'00	492'00	...	...	1,339'50	3,433'50	...	...	1,560'50	3,925'50	...	2'51
...	...	82'00	35'80	...	...	87'00	112'05	...	...	169'00	147'85	...	87
...	1,433'00	3,402'40	...	...	1,433'00	3,402'40	...	2'37
...	...	57'00	22'05	...	...	2,099'00	3,046'20	...	...	2,156'00	3,068'25	...	1'42
...	96'00	119'00	...	...	96'00	119'00	...	1'23
...	40'00	88'00	...	...	40'00	88'00	...	2'20
...	...	80'00	77'70	...	...	...	...	...	...	80'00	77'70	...	97
...	66'00	149'60	...	...	66'00	149'60	...	2'26
...	...	159'50	218'00	...	...	1,313'00	1,376'97	...	...	1,472'50	1,594'97	...	1'08
...	‡	‡	...	
...	...	1,299'00	1,771'80	...	...	9,377'50	17,353'27	...	...	10,676'50	19,125'07	...	

‡ 2,082ozs. from unknown tons.

TABLE II.--Return of

Pilbarra

MARBLE BAR

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...	...	20	1	...	Tons.	Tons.	...
Marble Bar ...	472 ...	Homeward Bound...	...	Abd.	...	...	...	...	...	...
Do. ...	2 ...	Ironclad ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	155, 164/5 ...	...	Just-in-Time Gold Mines, Ltd.	V.N.P.	...	...	...	...	...	...
Do. ...	288 ...	Marble Bar...	Pilbarra United Gold Mines, Ltd.	V.N.P.	...	...	...	...	...	...
Do. ...	470 ...	Pillindinnie ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	549 ...	Queen of the West ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	105 ...	Rejected ...	Pilbarra United Gold Mines, Ltd.	Ftd.	...	...	...	...	...	...
Do. ...	457 ...	Robert Bruce ...	...	Abd.	...	...	...	...	...	...
Do. ...	3, 21, 157, 160	...	Stray Shot and Excelsior Gold Mines, Ltd.	22	5	...	...	...	...	...
Do. ...	338 ...	Trafalgar ...	...	Abd.	...	...	...	...	...	...
Do. ...	...	Sundry claims	...	...	...	...	...	...	...	...
Do. ...	...	From Centre generally	...	...	...	...	...	...	...	...
North Pole ...	453, M.A. 21 ...	North Pole Democrat ...	...	18	1	...	...	...	...	...
North Shaw ...	446, M.A. 17 ...	Cremorne ...	...	V.N.P.	5	...	...	...	...	...
Do. ...	468 ...	Mt. Ada ...	...	18	...	...	...	...	...	...
Do. ...	...	Sundry claims	...	...	...	...	...	...	...	...
Shaw River ...	394 ...	Auraria ...	...	Abd.	...	...	...	...	...	...
Do. ...	223 ...	No. 1, West Eldorado ...	...	V.N.P.	...	...	...	...	...	...
Talga Talga ...	485 ...	General ...	...	6	...	...	...	...	...	...
Do. ...	458 ...	Jubilee ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	147/8 ...	...	McPhee's Reward, Ltd.	V.N.P.	...	...	...	...	...	...
Do. ...	170 ...	...	North West Australian Gold-fields, Ltd.	V.N.P.	...	...	...	...	...	...
Do. ...	...	Sundry Claims	...	...	...	...	...	...	...	...
Tambourah ...	456 ...	Federal ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	464 ...	Kirkpatrick ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	465 ...	Old Australian ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	252 ...	Tambourah King ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	536 ...	Western Chief ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	258 ...	Western Chief No. 1 South ...	...	V.N.P.	10	...	...	...	...	...
Do. ...	254, 6, 258	...	World's Fair G.M. Co., Ltd	V.N.P.	...	...	...	...	...	...
Do. ...	...	Sundry claims	...	...	...	...	...	...	...	...
Do. ...	...	From Centre generally	...	...	...	...	...	...	...	...
Warrawoona ...	500 ...	Admiral Dewey ...	...	Abd.	...	...	...	...	...	...
Do. ...	505 ...	Bow Bells ...	...	12	...	...	...	...	...	...
Do. ...	524 ...	Bow Bells Block No. 1 ...	...	Abd.	...	...	...	...	...	...
Do. ...	410 ...	Brilliant ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	484 ...	Britannia ...	...	Abd.	...	...	...	...	...	...
Do. ...	516 ...	Brought to Light ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	519 ...	Carnoustie ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	534 ...	Chance ...	...	Abd.	...	...	...	...	...	...
Do. ...	510 ...	Columbia ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	508 ...	Criterion ...	...	Abd.	...	...	...	...	...	...
Do. ...	492 ...	Cuban ...	...	6	...	...	...	...	...	...
Do. ...	521 ...	Cutty Sark... ..	...	V.N.P.	...	...	...	...	...	...
Do. ...	541 ...	Daisy ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	477 ...	Dawson City ...	...	Ftd.	...	...	...	...	...	...
Do. ...	496 ...	Daylight ...	...	Abd.	...	...	...	...	...	...
Do. ...	475 ...	Dead Camel ...	...	6	...	...	...	...	...	...
Do. ...	483 ...	Gauntlet ...	...	12	...	...	...	...	...	...
Do. ...	506 ...	Golden Gauntlet ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	487 ...	Gift ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	564 ...	Imperialist ...	...	6	...	...	...	...	...	...
Do. ...	479 ...	Juneau ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	473, M.A. 18 ...	Klondyke ...	...	6	5	...	...	...	...	...
Do. ...	507 ...	Klondyke Block ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	476 ...	Klondyke Boulder ...	...	6	...	...	...	...	...	...
Do. ...	474 ...	Klondyke No. 1 ...	...	6	...	...	...	...	...	...
Do. ...	488 ...	Klondyke Queen ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	522, R.C. 94 ...	Kopeck's Reward Block ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	455 ...	Kushmattie ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	514 ...	Nelson ...	...	Ftd.	...	...	...	...	...	...
Do. ...	517 ...	Princept ...	...	Abd.	...	...	...	...	...	...
Do. ...	489 ...	Princess of Alaska ...	...	Ftd.	...	...	...	...	...	...
			Carried forward ...	...	45	2	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	l. s. d.
...	...	1,299.00	1,771.80	...	...	9,377.50	17,353.27	...	...	10,676.50	19,125.07	...	...
...	249.75	261.15	...	...	249.75	261.15	1.04	...
...	21.50	7.52	...	...	21.50	7.52	.34	...
...	60.00	47.30	...	...	60.00	47.30	.78	...
...	11.00	15.70	...	...	11.00	15.70	1.42	...
...	82.00	1.00	260.00	...	82.00	1.00	260.00	...	...
...	294.00	362.55	...	...	294.00	362.55	1.23	...
...	1,273.00	1,894.00	...	...	1,273.00	1,894.00	1.48	...
...	112.00	116.92	...	...	112.00	116.92	1.04	...
...	...	70.50	104.40	...	...	3,989.40	10,023.80	...	...	4,059.90	10,128.20	2.49	...
...	30.00	90.00	...	...	30.00	90.00	3.00	...
...	...	104.30	244.62	...	...	300.50	563.32	...	...	404.80	807.94	...	...
1,770.00	1,000.00	...	...	...	2,770.00	...	...	...	...	...
...	...	110.00	99.00	...	...	...	...	...	...	110.00	99.00	.90	3 15 0
...	265.00	549.25	...	...	265.00	549.25	2.07	...
8.50	...	28.20	63.30	...	...	58.25	200.10	8.50	...	86.45	263.40	3.04	...
...	640.00	...	...	...	...	...	...	...	640.00	...	...	...	...
...	50.00	30.00	...	...	50.00	30.00	.60	...
...	51.00	32.95	...	...	51.00	32.95	.61	...
...	...	11.50	7.90	...	...	43.00	44.60	...	...	54.50	52.50	.96	...
...	124.00	182.90	...	...	124.00	182.90	1.47	...
...	367.00	957.00	...	...	367.00	957.00	2.60	...
...	26.00	33.00	...	...	26.00	33.00	1.26	...
...	...	45.00	89.95	...	...	96.00	456.00	...	...	141.00	545.95	...	...
...	11.00	15.25	...	...	11.00	15.25	1.38	...
...	88.00	208.50	...	...	88.00	208.50	2.36	...
...	51.50	70.10	...	...	51.50	70.10	1.36	...
...	86.00	154.00	...	...	86.00	154.00	1.79	...
...	...	363.00	416.75	...	...	183.00	225.00	...	...	546.00	641.75	1.17	...
...	...	72.00	79.17	...	...	...	...	...	...	72.00	79.17	1.09	...
...	412.00	505.60	...	...	412.00	505.60	1.22	...
...	...	436.50	590.95	...	20.00	151.75	231.05	...	20.00	588.25	822.00	...	...
50.00	50.00	...	...	...	...	...
...	8.45	4.55	...	...	8.45	4.55	.53	...
...	...	183.00	342.30	...	...	55.00	152.40	...	...	238.00	494.70	2.07	...
...	12.00	10.50	...	...	12.00	10.50	.87	...
...	35.00	21.60	...	...	35.00	21.60	.61	...
...	...	9.50	8.85	...	...	9.50	19.85	...	...	19.00	28.70	1.51	...
...	...	8.75	7.96	...	...	...	...	...	...	8.75	7.96	.90	...
...	45.40	178.11	...	...	45.40	178.11	3.92	...
...	4.00	8.35	...	...	4.00	8.35	2.08	...
...	10.00	14.75	...	...	10.00	14.75	1.47	...
...	...	4.20	4.50	...	...	8.00	3.30	...	...	12.20	7.80	.63	...
...	...	18.20	74.33	...	...	5.00	17.08	...	...	23.20	91.41	3.94	3 15 0
...	4.75	10.10	...	...	4.75	10.10	2.12	...
...	5.70	10.55	...	...	5.70	10.55	1.85	...
...	25.60	6.90	...	...	25.60	6.90	.26	...
...	...	18.50	6.00	...	...	...	...	...	...	18.50	6.00	.32	...
...	...	16.25	54.40	...	...	2.50	9.10	...	...	18.75	63.50	3.38	...
...	...	150.10	736.15	...	...	106.20	430.90	...	...	256.30	1,167.05	4.55	...
...	...	3.00	4.60	...	...	...	...	...	...	3.00	4.60	1.53	...
...	...	32.25	50.00	...	...	11.80	23.50	...	...	44.05	73.50	1.66	...
...	...	163.75	214.01	...	...	...	...	...	...	163.75	214.01	1.30	...
...	...	8.10	9.78	...	...	5.75	5.55	...	...	13.85	15.33	1.10	...
...	...	347.00	1,758.86	...	...	63.00	836.00	...	...	410.00	2,594.86	6.32	3 15 3
...	37.00	764.00	...	...	37.00	764.00	...	...
...	...	262.45	526.28	...	...	90.45	379.14	...	...	352.90	905.42	2.56	3 12 8
...	...	14.95	63.20	...	...	5.00	37.77	...	...	19.95	100.97	5.06	...
...	9.90	13.75	...	...	9.90	13.75	1.38	...
...	...	67.85	210.06	...	...	31.00	160.59	...	...	98.85	370.65	3.74	...
...	140.50	271.65	...	...	140.50	271.65	1.93	...
...	1.25	5.29	...	...	1.25	5.29	4.23	...
...	...	2.15	5.00	...	...	...	...	...	...	2.15	5.00	2.32	...
...	...	29.00	37.05	...	...	11.00	33.56	...	...	40.00	70.61	1.76	...
1,828.50	640.00	3,879.00	7,581.17	1,000.00	102.00	18,526.90	38,819.67	2,828.50	742.00	22,404.90	45,900.84	...	...

TABLE II.—Return of

Pilbarra

MARBLE BAR

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward		45	2		To . . .	Tons.	
Warrawoona	491	Rangatira		V.N.P.						
Do.	493	St. George		V.N.P.						
Do.	548	Wanganui		Abd.						
Do.		Sundry Claims								
Do.		Sundry parcels treated at	Salgash Public Crushing Battery (M.A. 19)		15					
Western Shaw	124, 213/5, 230 290/1, M.A. 15		Imperial West Australian Corporation, Ltd.	V.N.P.	10					
Yandicoogina	495	Aunt Sally		Abd.						
Do.	544	Black & White		3						
Do.	546	Black Shepherd		Surr.						
Do.	451	Eastern		6						
Do.	463	Eastern No. 1		Abd.						
Do.	550	Edith		3						
Do.	553	Harp of Erin		Abd.						
Do.	557	Invincible		Ftd.						
Do.	555	Izingari		3						
Do.	538	Lady Adelaide		Abd.						
Do.	562 (538)	Lady Adelaide No. 1		6	10					
Do.	558	Lone Hand		Abd.						
Do.	545	Patrick		6						
Do.	396	Trilby		V.N.P.						
Do.	494	Uncle Tom		6						
Do.	461	Uncle Tom West		6						
Do.		Sundry Claims								
			Total		80	2				

NULLAGINE

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								To . . .	Tons.	
Mosquito Creek	71L	Alexandra		Abd.						
Do.	65L	Fisher's Reward		Abd.						
Do.	79L	Galtee More		6						
Do.	85L	Galtee More North		Abd.						
Do.	77L (71L)	Golden Eagle		12						
Nullagine	82L	All Nations		10						
Do.	24L	Barney's Hill No. 1 North		Abd.						
Do.	16L	Barney's Hill United		Abd.						
Do.	80L	Barton		6						
Do.	81L	Barton Extended		6						
Do.	87L	Castlemaine		6						
Do.	47L		Conglomerate Goldfields of W.A., Ltd.	V.N.P.						
Do.	89L	Daisy		Abd.						
Do.	17L	Day Dawn		Abd.						
Do.	86L	Elsie		6						
Do.	M.A. 4L		Enterprise Battery		10					
Do.	91L	Federation		5						
Do.	31L	Golden Crown	Conglomerate Goldfields of W.A., Ltd.	V.N.P.						
Do.	67L	Golden Promise No. 1		V.N.P.						
Do.	68L	Grant's Hill South		V.N.P.						
Do.	59L	Great Eastern		Abd.						
Do.	61L	Great Eastern Extended		Abd.						
Do.	88L (78L)	Latest Surprise		6						
			Carried forward		10					

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
1,828.50	640.00	3,879.00	7,581.17	1,000.00	102.00	18,526.90	38,319.67	2,828.50	742.00	22,404.90	45,900.84	...	
...	...	8.50	5.15	...	...	...	...	...	...	8.50	5.15	60	
...	20.00	124.00	...	...	20.00	124.00	6.20	
...	9.00	7.00	...	...	9.00	7.00	77	
50.00	...	187.60	200.82	...	...	5.00	28.93	50.00	...	192.60	229.75	...	
...	...	47.65	27.80	...	...	...	...	...	...	47.65	27.80	...	
...	1,221.00	1,114.54	...	...	1,221.00	1,114.54	91	
...	...	13.50	8.25	...	...	13.50	12.75	...	...	27.00	21.00	77	
...	140.27	157.70	256.35	...	...	17.75	48.25	...	140.27	175.45	304.60	1.73	
...	...	117.20	732.82	...	...	16.30	101.40	...	...	133.50	834.22	6.24	
...	...	359.85	398.05	...	...	114.00	154.40	...	...	473.85	552.45	1.16	
...	23.00	28.75	...	...	23.00	28.75	1.25	
...	...	77.60	108.20	...	...	...	...	...	...	77.60	108.20	1.39	
...	...	22.50	11.55	...	...	...	...	...	...	22.50	11.55	51	
...	...	13.40	701.00	...	...	...	...	...	...	13.40	701.00	...	
...	...	8.40	6.80	...	...	...	...	...	...	8.40	6.80	80	
...	...	10.00	10.00	...	...	...	...	...	...	10.00	10.00	1.00	
...	...	10.00	12.50	...	...	35.25	62.80	...	...	45.25	75.30	1.66	
...	...	16.00	23.30	...	...	...	...	...	...	16.00	23.30	1.45	
...	...	34.00	144.80	...	...	...	...	...	...	34.00	144.80	4.25	
...	...	30.75	84.70	...	...	35.25	122.80	...	...	66.00	207.50	3.14	
...	...	46.50	218.41	...	...	100.00	440.00	...	...	146.50	658.41	4.49	3 5 8
...	...	83.85	146.75	...	...	...	...	...	...	83.85	146.75	1.75	
...	...	61.50	44.30	...	...	...	...	...	...	61.50	44.30	...	
1,878.50	780.27	5,185.50	10,722.72	1,000.00	102.00	20,136.95	40,565.29	2,878.50	892.27	25,322.45	51,233.01	2.02	

‡ Also 2,082ozs. from unknown tons.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	21.00	52.50	...	...	21.00	52.50	2.50	
...	20.00	56.62	...	...	20.00	56.62	2.83	
...	...	165.00	433.25	...	...	16.00	69.00	...	...	181.00	502.25	2.77	
...	...	17.25	35.20	...	...	...	...	...	...	17.25	35.20	2.04	
...	...	12.70	79.60	...	...	57.50	290.20	...	...	70.20	369.80	5.26	3 14 0
...	...	136.00	432.40	...	...	...	...	...	...	136.00	432.40	3.17	4 1 10
...	20.00	25.00	...	...	20.00	25.00	1.25	
...	338.00	351.25	...	...	338.00	351.25	1.03	
...	...	5.00	5.00	...	...	56.00	88.50	...	...	61.00	93.50	1.53	
...	...	25.00	13.30	...	...	...	...	...	...	25.00	13.30	5.3	
...	15.00	38.00	231.50	...	...	...	...	...	15.00	38.00	231.50	6.09	
...	22.00	26.30	...	...	22.00	26.30	1.19	
...	...	21.00	64.20	...	...	...	...	...	...	21.00	64.20	3.05	
...	266.00	702.70	...	...	266.00	702.70	2.64	
...	...	14.25	268.45	...	...	...	...	...	...	14.25	268.45	...	
...	
...	...	49.50	152.15	...	...	...	...	...	...	49.50	152.15	3.07	
...	223.60	189.90	...	...	223.60	189.90	84	
...	172.00	149.85	...	...	172.00	149.85	87	
...	...	85.40	40.70	...	...	...	...	...	...	85.40	40.70	47	
...	170.00	202.75	...	...	170.00	202.75	1.19	
...	190.00	224.40	...	...	190.00	224.40	1.18	
...	...	44.25	84.00	...	...	...	...	...	...	44.25	84.00	1.89	
...	15.00	613.35	1,839.75	...	...	1,572.10	2,428.97	...	15.00	2,185.45	4,268.72	...	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	15'00	613'35	1,839'75	...	...	1,572'10	2,428'97	...	15'00	2,185'45	4,268'72	...	
...	...	668'00	492'55	...	...	721'00	922'60	...	...	1,389'00	1,415'15	1'01	3 17 5½
...	
...	...	17'00	59'50	...	...	...	...	...	...	17'00	59'50	3'50	
...	...	...	...	...	...	...	pl. 10'55	...	...	...	10'55	...	
...	...	...	...	...	...	28'00	14'00	...	...	28'00	14'00	'50	
...	...	...	...	...	...	16'00	108'10	...	...	16'00	108'10	6'75	
...	...	...	...	...	...	121'00	421'10	...	...	121'00	421'10	3'48	
...	...	...	...	...	...	22'00	63'00	...	...	22'00	63'00	2'86	
...	...	...	...	...	...	170'50	634'45	...	...	170'50	634'45	3'72	
...	...	17'00	39'50	...	...	...	...	...	...	17'00	39'50	2'32	
112'50	38'45	1 066'70	2,695'95	...	...	192'00	357'55	112'50	38'45	1,258'70	3,053'50	...	
617'29	...	...	...	1,000'00	...	...	...	1,617'29	...	...	...	...
729'79	53'45	2,382'05	5,127'25	1,000'00	...	2,842'60	4,960'32	1,729'79	53'45	5,224'65	10,087'57	1'93	

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	8'00	6'00	...	...	8'00	6'00	'75	
...	16'00	26'80	...	...	16'00	26'80	1'67	
...	...	4'00	10'00	...	...	5'00	17'10	...	...	9'00	27'10	3'01	
...	...	91'00	226'00	...	...	...	...	...	...	91'00	226'00	2'48	3 14 6
...	...	89'00	94'67	...	...	...	...	...	...	89'00	94'67	1'06	
...	11'00	8'24	...	...	11'00	8'24	'74	
...	...	16'85	23'90	...	...	20'00	32'87	...	...	16'85	26'77	1'54	
...	...	9'00	36'00	...	...	15'00	227'00	...	...	24'00	263'00	...	
...	24'00	35'00	...	...	24'00	35'00	1'45	
...	100'00	32'00	...	...	100'00	32'00	'32	
...	...	418'00	282'06	...	...	582'00	705'07	...	...	1,000'00	987'13	'98	3 11 6
...	20'00	17'33	...	...	20'00	17'33	'86	
...	35'00	26'00	...	...	35'00	26'00	'74	
...	...	252'00	527'10	...	...	84'80	140'00	...	...	336'80	667'10	1'98	3 15 6
...	31'00	25'76	...	...	31'00	25'76	'83	
...	10'90	125'00	...	...	10'90	125'00	...	
...	8'45	100'50	...	...	8'45	100'50	...	
735'07	735'07	...	...	...	...
735'07	...	879'85	1,199'73	...	...	971'15	1,524'67	735'07	...	1,851'00	2,724'40	1'47	

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
374'00	77'00	...	...	...	263'00	...	...	374'00	340'00	...	...	...
1,208'10	...	...	...	540'58	...	...	...	1,748'68	...	...	...	...
1,582'10	77'00	...	...	540'58	263'00	...	...	2,122'68	340'00	...	...	...

TABLE II.—Return of

Gascoyne

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Bangemall ...	M.A. 1 ...	...	Bangemall Public Crushing Co.	...	...	1	...	Toas.	Tons.	...
Do. ...	1 ...	Carnarvon Gem ...	...	24	...	...	...	...	...	...
Do. ...	4 ...	The Boss ...	...	Abd.	...	...	...	...	...	...
Do. ...	6 ...	Eldorado ...	...	12	...	...	...	...	...	...
		From Goldfield generally	...	...	...	...	...	...	...	...
		Notices of Purchase ...	...	...	...	...	...	...	...	...
		Total ...	...	...	1	...	...	...	...	...

Peak Hill

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Horseshoe ...	44P ...	Brilliant ...	...	12	...	...	...	Toas.	Tons.	...
Do. ...	45P ...	Brilliant Central ...	...	18	...	...	...	...	...	...
Do. ...	49P ...	Brilliant Central Extended ...	...	12	...	...	...	...	...	...
Do. ...	51P ...	Glenrowan ...	...	12	...	...	...	...	...	...
Do. ...	100P ...	Glenrowan South ...	...	12	...	...	...	...	...	...
Peak Hill ...	10P ...	Christmas Gift ...	...	Surr.	...	...	...	...	...	...
Do. ...	73P (10P) ...	Christmas Gift ...	...	Ftd.	...	...	...	...	...	...
Do. ...	55P ...	Golden Treasure ...	...	18	...	...	...	...	...	...
Do. ...	56P ...	Golden Treasure East ...	...	6	...	...	...	...	...	...
Do. ...	59P ...	Jubilee ...	...	12	...	...	...	...	...	...
Do. ...	1P ...	North Star ...	...	6	...	...	...	...	...	...
Do. ...	M.A. 6P ...	...	(Orchard's) ...	...	3	...	...	...	...	...
Do. ...	2/6P, 8P, 9P, 26/9P, 35/6P, 43P, 53/4P, 63P, 190P, R.C. 5, Q.C.'s 13/4P, M.A. 1P, 4P	...	Peak Hill Goldfields, Ltd. ...	133	30	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Do. ...	...	Sundry Parcels treated at	Peak Hill Consols Battery ...	...	...	...	...	...	...	...
Ravelstone ...	...	...	Government Public Battery	...	10	...	...	...	...	...
		Total ...	...	...	43	...	...	...	...	...

Ore Treated, etc.—continued.

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	
...	...	175'00	147'45	...	6'80	1'35	6'75	...	6'80	176'35	154'20	87	
...	...	19'35	24'94	...	...	...	...	...	...	19'35	24'94	1'28	
...	...	41'00	41'95	...	...	...	...	...	...	41'00	41'95	1'02	
101'00	13'50	...	...	101'00	13'50	...	...	...
18'43	18'43	...	...	...	...
119'43	...	235'35	214'34	...	20'30	1'35	6'75	119'43	20'30	236'70	221'09	93	

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	253'00	...	...	...	44'00	08	81'00	...	297'00	08	81'00	...	3 19 0
...	...	...	...	...	343'75	...	20'70	...	343'75	...	20'70	...	
...	14'00	...	...	...	73'25	01	33'10	...	87'25	01	33'10	...	
...	...	...	...	...	2'55	...	...	...	2'55	...	...	...
...	2'90	...	...	...	...	...	...	...	2'90	...	...	...
...	...	...	...	...	...	118'00	299'00	...	...	118'00	299'00	2'53	
...	38'75	...	...	...	...	10'00	268'60	...	38'75	10'00	268'60	...	
...	...	...	...	...	...	11'00	13'60	...	...	11'00	13'60	1'23	
...	...	...	...	...	...	9'75	14'35	...	...	9'75	14'35	1'47	
...	...	...	...	...	...	57'00	92'00	...	...	57'00	92'00	1'61	
...	169'60	...	...	...	...	...	...	...	169'60	...	...	...
...	
{ Ore	...	10,922'00	31,474'75	...	200'00	6,613'35	29,683'76	...	200'00	17,535'35	61,158'51	3'48	4 1 4
{ Cement	...	...	...	...	...	1,064'00	903'20	...	...	1,064'00	903'20	84	
{ do.	...	...	...	...	...	...	†	...	...	...	†	...
...	65	...	...	...	104'00	...	...	...	104'65	...	...	...
...	...	...	...	...	...	30'00	194'25	...	...	30'00	194'25	...	
...	
...	478'90	10,922'00	31,474'75	...	767'55	7,913'19	31,603'56	...	1,246'45	18,835'19	63,078'31	3'34	

† Also 4,551'60ozs. from unknown tons.

TABLE II.—Return of

East Murchison

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.			Cyaniding.		
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Black Range ...	P.A. 22 ...	Earlesville ...	...	...	3	...	...	...	...	...
Do. ...	...	Sundry claims ...	...	...	...	...	...	...	...	...
Lake Darlôt ...	81 ...	A1 ...	...	18	...	...	...	...	...	...
Do. ...	182 ...	Amazon ...	...	12	...	...	...	...	...	...
Do. ...	93 ...	Ballangarry ...	...	18	...	...	...	...	...	...
Do. ...	187 ...	Ballangarry Extended ...	...	Abd.	...	...	...	...	...	...
Do. ...	306 ...	British King East ...	...	12	...	...	...	...	...	...
Do. ...	2 ...	British King West No. 1 ...	...	12	...	...	...	...	...	...
Do. ...	355 ...	Darlôt, Brown Hill ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	321 ...	...	Homeward Bound G.M. Co., Ltd.	12	...	...	...	...	...	...
Do. ...	345 ...	Ironclad ...	...	6	...	...	...	...	...	...
Do. ...	330 ...	King of the Hills ...	...	Abd.	...	...	...	...	...	...
Do. ...	375 (330) ...	King of the Hills ...	...	12	...	...	...	...	...	...
Do. ...	322 ...	Kyneton ...	...	Abd.	...	...	...	...	...	...
Do. ...	349 ...	Lass O'Gowrie ...	...	Abd.	...	...	...	...	...	...
Do. ...	1, 58 ...	...	London and W.A. Explora- tion Co., Ltd.	33	...	...	...	...	...	...
Do. ...	337 ...	Morning Light ...	...	12	...	...	...	...	...	...
Do. ...	97 ...	Pride of Darlôt ...	...	18	...	...	...	...	...	...
Do. ...	329 ...	Rise and Shine ...	...	12	...	...	...	...	...	...
Do. ...	324 ...	Shamrock ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	273 ...	St. George ...	...	12	...	...	...	...	...	...
Do. ...	363 ...	Waikato ...	...	6	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Do. ...	...	Sundry parcels treated at	Darlôt Public Battery (M.A.S)	10	...	...	...	...	...	...
Lake Way ...	170 ...	Black Swan ...	...	24	...	...	...	...	...	...
Do. ...	332 ...	Black Swan North ...	...	12	...	...	...	...	...	...
Do. ...	143 ...	Brothers ...	...	18	...	...	...	...	...	...
Do. ...	161 ...	Caledonia ...	...	12	...	...	...	...	...	...
Do. ...	169 ...	Dark Horse ...	...	18	...	...	...	...	...	...
Do. ...	149 ...	Derwent ...	...	12	...	...	...	...	...	...
Do. ...	316 ...	Essex ...	...	12	...	...	...	...	...	...
Do. ...	312 ...	Ethelstone ...	...	12	...	...	...	...	...	...
Do. ...	153 ...	Federal ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	340 ...	Gem ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	140 ...	...	Golden Age, Lake Way, Ltd.	18	10	...	...	...	...	...
Do. ...	311 ...	Golden Age North No. 1 ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	139 ...	Golden Age South ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	380 (139) ...	Golden Age South ...	...	12	...	...	...	...	...	...
Do. ...	227 ...	Inverness ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	335 ...	Lake Way Consols ...	...	12	...	...	...	...	...	...
Do. ...	342 ...	Lake Way Consols Extd. ...	...	12	...	...	...	...	...	...
Do. ...	358 ...	...	Lake Way Public Battery ...	12	10	2	42	1,000	...	...
Do. ...	237 ...	Lake Way Queen ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	314 ...	Lawlers ...	...	12	...	...	...	...	...	...
Do. ...	333 ...	Monarch & Derwent United ...	...	24	...	...	...	...	...	...
Do. ...	328 ...	Monarch North ...	...	12	...	...	...	...	...	...
Do. ...	137 ...	Monarch of the East ...	...	a. r. p. 22 3 23	10	3	...	...	...	...
Do. ...	159 ...	Queen of Lake Way ...	...	Ftd.	...	...	...	...	...	...
Do. ...	326 ...	Weelona ...	...	24	3	...	...	...	...	...
Do. ...	162 ...	...	W.A. Goldfields, Ltd.	24	13	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Lawlers ...	338 ...	Admiral Dewey ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	386 ...	Birthday ...	...	5	...	...	...	...	...	...
Do. ...	19 ...	Bounty ...	...	6	...	...	...	...	...	...
Do. ...	343 ...	British-American Alliance ...	...	12	...	...	...	...	...	...
Do. ...	214 ...	...	Caroline Battery ...	12	10	...	...	...	...	...
Do. ...	348 ...	Caroline Baker ...	...	Abd.	...	...	...	...	...	...
Do. ...	384 ...	Cinderella ...	...	5	...	...	...	...	...	...
Do. ...	410 ...	Donegal North ...	...	a. r. p. 2 2 0	...	...	...	...	...	...
Do. ...	377 ...	Eastern United Extended ...	...	6	...	...	...	...	...	...
Do. ...	37, 70, 153, 8 ...	...	East Murchison United, Ltd.	117	20	...	...	...	...	...
Do. ...	359 ...	Forsaken ...	...	Abd.	...	...	...	...	...	...
Do. ...	115 ...	Glasgow Lass ...	...	12	...	...	...	...	...	...
Do. ...	16 ...	Great Eastern Extended ...	...	Abd.	...	...	...	...	...	...
Do. ...	91 ...	Harpur's Hill ...	...	Ftd.	...	...	...	...	...	...
Do. ...	251 ...	International ...	...	12	tl	...	...	...	...	...
Do. ...	177/8 ...	...	Kinamba Wealth of Nations, Ltd.	Surr.	...	...	...	...	...	...
Carried forward ...				...	89	1	5	...	...	...

Ore Treated, etc.—continued.

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...
...	...	41.50	70.90	...	...	...	...	...	...	41.50	70.90	...	...
...	245.00	214.91	...	...	245.00	214.91	...	87
...	9.00	224.00	349.27	...	...	273.50	431.15	...	9.00	497.50	780.42	...	1.56
...	...	401.00	443.53	...	...	174.00	190.20	...	...	575.00	633.73	...	1.10
...	13.00	4.85	...	...	13.00	4.85	...	.37
...	...	13.00	7.10	...	...	511.00	501.79	...	...	524.00	508.89	...	.97
...	...	162.50	200.56	...	...	308.00	488.68	...	...	470.50	689.24	...	1.46
...	...	6.00	2.25	...	...	...	...	...	...	6.00	2.25	...	.37
...	...	40.30	55.64	...	...	43.65	156.54	...	...	83.95	212.18	...	2.52
...	7.61	...	...	...	148.31	...	...	...	155.92	...	...	...	...
...	13.85	...	...	...	3.00	33.50	86.93	...	16.85	33.50	86.93	...	2.59
...	25.14	...	...	...	...	...	...	...	25.14	...	...	...	...
...	20.00	23.20	...	...	20.00	23.20	...	1.16
...	2.50	...	...	...	2.50	...	...	...	...
...	...	209.00	441.65	...	...	2,229.50	2,622.93	...	...	2,438.50	3,064.58	...	1.25
...	...	41.00	57.00	...	...	53.50	102.43	...	...	94.50	159.43	...	1.68
...	...	109.00	101.72	...	...	110.25	159.10	...	...	219.25	260.82	...	1.18
...	93.22	...	...	...	70.00	...	...	...	163.22	...	...	...	...
...	5.50	9.56	...	...	5.50	9.56	...	1.73
...	699.65	...	...	...	625.45	98.50	123.61	...	1,325.10	98.50	123.61	...	1.25
...	...	317.00	491.64	...	...	15.50	35.50	...	...	332.50	527.14	...	1.58
...	136.53	143.80	82.22	...	...	224.64	133.85	...	136.53	368.44	216.07	...	...
...	...	37.00	16.79	...	...	...	...	...	...	37.00	16.79	...	...
...	77.00	225.54	...	...	77.00	225.54	...	2.92
...	14.50	24.60	...	...	14.50	24.60	...	1.69
...	...	167.00	210.00	...	...	91.00	127.50	...	...	258.00	337.50	...	1.30
...	294.00	318.42	...	...	294.00	318.42	...	1.08
...	...	80.00	104.35	...	...	194.15	531.57	...	...	274.15	635.92	...	2.31
...	...	66.00	145.31	...	...	98.30	259.30	...	...	164.30	404.61	...	2.46
...	...	223.00	277.45	...	...	99.00	171.70	...	...	322.00	449.15	...	1.39
...	...	18.00	9.25	...	...	...	...	...	...	18.00	9.25	...	.51
...	...	39.00	25.75	...	...	96.00	59.15	...	...	135.00	84.90	...	.62
...	...	100.00	103.25	...	...	226.55	249.75	...	...	326.55	353.00	...	1.08
...	...	1,302.00	1,150.52	...	...	49.00	131.59	...	...	1,351.00	1,282.11	...	3 6 9
...	44.00	10.00	62.00	...	44.00	10.00	62.00	...	6.20
...	36.00	6.80	...	...	36.00	6.80	...	.18
...	...	133.00	308.00	...	...	...	...	...	...	133.00	308.00	...	2.31
...	37.75	6.00	...	...	37.75	6.00	...	.15
...	38.00	28.50	...	...	38.00	28.50	...	.75
...	...	59.00	105.80	...	...	18.00	25.20	...	...	77.00	131.00	...	1.70
...
...	2.50	15.00	27.50	...	...	43.00	25.25	...	2.50	58.00	52.75	...	.90
...	...	28.00	13.00	...	553.90	10.00	5.00	...	553.90	38.00	18.00	...	.47
...	...	10.00	3.35	...	...	...	...	...	...	10.00	3.35	...	.33
...	...	10.00	4.50	...	...	59.00	17.00	...	...	69.00	21.50	...	.31
...	...	1,965.00	1,762.80	...	...	550.00	334.30	...	...	2,515.00	2,097.10	...	.83
...	50.00	25.00	...	...	50.00	25.00	...	.50
...	...	133.00	235.01	...	17.17	128.00	332.85	...	17.17	261.00	567.86	...	2.17
...	...	1,305.00	853.70	...	...	71.00	67.47	...	...	1,376.00	921.17	...	3 0 5
...	...	448.35	342.11	...	...	150.00	136.81	...	...	598.35	478.92	...	...
...	68.00	77.00	...	...	68.00	77.00	...	1.13
...	...	57.50	74.50	...	...	...	...	...	...	57.50	74.50	...	3 14 10 1/2
...	...	213.00	388.20	...	...	56.35	156.00	...	...	269.35	544.20	...	2.02
...	88.53	...	...	...	...	27.00	33.85	...	88.53	27.00	33.85	...	1.25
...	9.00	10.27	...	...	9.00	10.27	...	1.14
...	...	123.75	217.61	...	...	...	...	...	...	123.75	217.61	...	1.17
...	...	75.00	98.16	...	...	...	...	...	...	75.00	98.16	...	1.30
...	...	48.00	48.06	...	...	...	...	...	...	48.00	48.06	...	1.00
...	...	18,779.00	21,312.16	...	...	22,541.00	31,436.21	...	...	41,320.00	52,748.37	...	3 17 5 1/2
...	35.50	21.85	...	...	35.50	21.85	...	.61
...	...	236.00	165.33	...	...	482.00	514.35	...	...	718.00	679.68	...	.94
...	8.00	23.00	...	...	8.00	23.00	...	2.87
...	108.00	53.77	...	...	108.00	53.77	...	.49
...	...	150.00	133.32	...	...	494.50	751.66	...	...	644.50	884.98	...	3 19 4
...	5,396.00	5,322.54	...	...	5,396.00	5,322.54	...	.98
...	1,076.03	27,528.70	30,439.26	...	1,464.33	36,024.64	46,857.03	...	2,540.36	63,553.34	77,296.29	...	...

TABLE II.—Return of
East Murchison

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Mil ling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward	...	89	1	5	...	...	...
Lawlers	M.A. 11	...	Lawlers Public Crushing Co., N.L.	...	10	...	...	...	...	...
Do.	390	Lone Hand	...	6	...	...	...	...	...	...
Do.	22	May Be	...	6	...	...	...	...	...	...
Do.	373	New Holland	...	12	...	...	...	...	...	...
Do.	78, 320	New Woman Amalgamated	...	24	...	...	...	...	...	...
Do.	331	New Woman South Extd.	...	6	...	...	...	...	...	...
Do.	385	Queen	...	12	...	...	...	...	...	...
Do.	397	Right Bower	...	12	...	...	...	...	...	...
Do.	415	Right Bower Extended	...	12	...	...	...	...	...	...
Do.	393	Wait-a-bit	...	Abd.	...	...	...	...	...	...
Do.	218	Waroonga South Extended No. 1	...	V.N.P.	...	...	...	...	...	...
Do.	62	Woronga South	...	18	5	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
New England	117	Glennis	...	18	5	...	...	...	...	...
Do.	370	Miner's Right	...	5	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Sir Samuel	24, 308...	...	Bellevue Proprietary, Ltd.	a. r. p. 19 3 9	20	...	...	...	...	...
Do.	364	Bald Hill	...	24	...	...	...	...	...	...
Do.	367	Calliope	...	V.N.P.	...	...	...	...	...	...
Do.	396	Carysfort	...	12	...	...	...	...	...	...
Do.	327, 339	...	Condor United Syndicate	V.N.P.	...	...	...	...	...	...
Do.	P.A. 15	...	Condor United Syndicate	...	5	...	...	...	...	...
Do.	28	Goodenough	...	V.N.P.	...	...	...	...	...	...
Do.	107	Great Westralia	...	24	...	...	...	...	...	...
Do.	353	Legal Right	...	Ftd.	...	...	...	...	...	...
Do.	113	Nil Desperandum	...	24	...	...	...	...	...	...
Do.	360	Pascoe Pride	...	6	...	...	...	...	...	...
Do.	382	...	Yellow Aster Battery	18	10	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Wilson's Creek	402	Irish Queen	...	12	...	...	...	...	...	...
Do.	319	Mount Clifford	...	V.N.P.	...	...	...	...	...	...
Do.	258	Narcissus	...	V.N.P.	...	...	...	...	...	...
Do.	112, 160	...	Raffs Great Western G.M. Co., N.L.	24	...	...	...	...	...	...
Do.	239	Teutonic	...	18	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
		From Goldfield generally	...	...	...	...	...	...	...	...
		Notices of Purchase	...	...	...	...	...	...	...	...
			Total	...	144	1	5	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	1,076.03	27,528.70	30,439.26	...	1,464.33	36,024.64	46,857.03	...	2,540.36	63,553.34	77,296.29	...	
...	
...	...	150.60	186.70	...	...	...	...	...	...	150.60	186.70	1.23	
...	...	...	...	...	...	11.00	12.91	...	...	11.00	12.91	1.17	
...	...	36.25	34.68	...	...	...	...	...	...	36.25	34.68	.95	
...	...	326.30	407.87	...	...	...	...	...	...	326.30	407.87	1.24	
...	4.98	110.70	202.26	...	...	61.15	139.55	...	4.98	171.85	341.81	1.98	
...	...	111.00	66.55	...	...	...	...	...	...	111.00	66.55	.59	
...	...	60.00	41.10	...	...	...	...	...	...	60.00	41.10	.68	
...	200.00	35.00	128.87	...	...	...	...	...	200.00	35.00	128.87	3.68	
...	...	128.20	37.09	...	...	...	...	...	...	128.20	37.09	.28	
...	...	209.00	219.85	...	...	...	...	...	...	209.00	219.85	1.05	
...	...	435.00	306.00	...	...	...	...	...	...	435.00	306.00	.70	3 16 6
...	49.25	712.00	859.03	...	...	52.70	51.05	...	49.25	764.70	910.08	...	
...	...	803.00	777.35	...	...	...	...	...	...	803.00	777.35	.96	3 10 9
...	23.00	...	...	...	43.35	...	...	...	...	66.35	...	...
...	...	494.50	376.63	...	...	...	...	...	...	494.50	376.63	...	
...	...	7,205.00	5,132.59	...	...	7,964.00	9,550.14	...	...	15,169.00	14,682.73	.96	3 8 0
...	...	42.00	18.67	...	...	...	...	...	...	42.00	18.67	.44	
...	...	...	...	...	...	20.00	28.27	...	...	20.00	28.27	1.41	
...	5.15	...	...	...	...	...	...	...	5.15	...	...	...
...	...	510.00	406.32	...	...	372.00	453.43	...	...	882.00	859.75	.97	
...	...	90.00	48.60	...	...	...	...	...	...	90.00	48.60	.54	
...	...	1,164.00	574.49	...	...	...	...	...	...	1,164.00	574.49	.49	
...	...	...	...	...	...	21.00	6.40	...	...	21.00	6.40	.30	
...	...	97.00	236.08	...	...	...	...	...	...	97.00	236.08	2.43	
...	...	...	...	...	15.00	32.00	67.70	...	15.00	32.00	67.70	2.11	
...	17.97	269.50	518.66	...	...	79.00	25.35	...	17.97	348.50	544.01	...	
...	109.00	...	...	...	...	...	...	...	109.00	...	...	...
...	...	30.00	66.00	...	...	8.00	22.90	...	...	38.00	88.90	2.33	
...	...	3.00	17.95	...	...	16.10	13.57	...	...	19.10	31.52	1.65	
...	...	1,553.00	678.10	...	...	66.50	57.70	...	...	1,619.50	799.80	.49	
...	...	62.00	73.90	...	...	...	...	...	...	62.00	73.90	1.19	
...	...	1.00	6.70	...	...	...	...	...	...	1.00	6.70	...	
1,515.02	...	...	...	1,262.32	35.75	449.90	544.64	2,777.34	35.75	449.90	544.64	...	
113.20	...	...	...	...	...	...	...	113.20	...	...	...	...
1,628.22	1,485.38	42,166.75	41,925.30	1,292.32	1,558.43	45,177.99	57,830.64	2,890.54	3,043.31	87,344.74	99,755.94	1.14	

Murchison

CUE

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Cuddingwarra	867	Black Swan		V.N.P.						
Do.		Do.								
Do.	846	Blue Bell		V.N.P.						
Do.	925, 929, 947/9		Blue Bell Propy. Co., Ltd.	V.N.P.						
Do.	1055	Bonanza		Abd.						
Do.	252 (818, 1082)		City of Chester G.Ms., Ltd.	12						
Do.	634, 736, 1042		Cuddingwarra G.Ms., Ltd.	33	61					
Do.	386	Fairlight		V.N.P.						
Do.	95		Fortune of War G.M. Co., N.L.	Ftd.						
Do.	873	Golden Fleece		Ftd.						
Do.	968	Greymouth		V.N.P.						
Do.	716	Kallara		V.N.P.						
Do.	1160 (386)	Laura		6	5					
Do.	790	Lady Rosie		Ftd.						
Do.	505	Moonlight		Canc.						
Do.	1146 (1120)	Oxonian		6						
Do.	595, 671, 1104 1122		Victory United G.M. Co., N.L.	39	10	4	30	730		
Do.	1120 (873)	Windmill		Abd.						
Do.		Sundry Claims								
Do.		Sundry Parcels treated (Agamemnon)	at Eureka No. 5 Battery							
Cue	1047			21						
Do.	1046/7		Agamemnon, Ltd.	45						
Do.	691, 836		Anglo-Westralian and General Explorations, Ltd.	Abd.						
Do.	640, 811 (870, 953, 1138)	Areadia leases		12						
Do.	750		Ashbourne G.M., Ltd.	Ftd.						
Do.	789	Belgravia Central		V.N.P.						
Do.	1056/7	Belgravia North & South		V.N.P.						
Do.	1109	Buttercup		Abd.						
Do.	1068, 1100/1	Caledonian Hill		18						
Do.	1088	Catalpa		V.N.P.						
Do.	1089	Catalpa South		Abd.						
Do.	764	City of St. Petersburg		Ftd.						
Do.	1061	Conscript		V.N.P.						
Do.	1066	Countess		12						
Do.	M.A. 16		Cuddingwarra G.Ms., Ltd.			4	50	800		
Do.	60, 170, 203, 674, 1148 (692, 964, 1002, 1128, 1130)		Cue Consolidated G.Ms., Ltd.	59	15					
Do.	201, 208, 825, 893, 935, 1174		Cue Victory G.Ms., Ltd.	a. r. p. 30 0 36	10					
Do.	1115 (697)	Deceiver		9						
Do.	1022	Duke of York		V.N.P.						
Do.	248, 663	Eclipse		5						
Do.	523, 1020, 1044, 1127, 1137, 1152 1154		Gem of Cue, Limited	53	15					
Do.	538, 993		Gem of Murchison G.M., Ltd.	V.N.P.						
Do.	M.A. 18		Gem of Murchison G.M., Ltd.		10					
Do.	178	George Higinbotham		Ftd.						
Do.	1149	Golden Crow's Nest		12						
Do.	1111	Golden Garter		Abd.						
Do.	889	Golden Leaf		V.N.P.						
Do.	711	Golden Stream Extended		6						
Do.	882	Great White Eye		V.N.P.						
Do.	1159	Hard Luck		5						
Do.	718	Highland Mary		V.N.P.						
Do.	398	Homeward Bound		Ftd.						
Do.	1117	Jubilee		Ftd.						
Do.	672	Kangaroo		Abd.						
Do.	335		Lady Forrest (Murchison) G.M., Limited	12	20					
Do.	1116 (764)	Lady Godiva		V.N.P.						
Do.	1165	Lady Hynes		12						
			Carried forward							
					85	1	8			

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	60.00	10.00	...	...	60.00	10.00	16			
...	1†	...	...	...	...	...
...	...	72.00	17.75	...	...	...	...	...	...	72.00	17.75	24			
...	84.00	269.00	...	...	84.00	269.00	3.20			
...	42.00	42.00	...	...	42.00	42.00	1.00			
...	319.00	256.00	...	...	319.00	256.00	.80			
...	...	667.00	965.60 106.09 pl. 19.81	...	...	3,666.50	2,418.30	...	...	4,333.50	3,509.80	.80	3	16	4
...	150.00	79.00	...	...	150.00	79.00	.52			
...	2,231.00	2,247.78	...	...	2,231.00	2,247.78	1.00			
...	84.00	65.00	...	...	84.00	65.00	.77			
...	170.00	492.00	...	...	170.00	492.00	2.89			
...	2†	...	...	...	...	...
...	...	130.00	25.80	...	...	...	...	...	...	130.00	25.80	.19			
...	275.00	265.65	...	...	275.00	265.65	.96			
...	...	15.50	6.23	...	...	...	...	...	...	15.50	6.23	.40			
...	...	151.00	210.50	...	...	...	...	...	...	151.00	210.50	1.39			
...	...	1,670.00	5,337.64	...	...	5,160.00	10,872.33	...	...	6,830.00	16,209.97	2.37	3	16	0
...	127.25	68.00	...	...	127.25	68.00	.53			
...	...	159.00	145.15	...	...	...	...	...	...	159.00	145.15	...			
...	...	15.00	4.80	...	...	...	...	...	...	15.00	4.80	...			
...	220.00	116.00	...	...	220.00	116.00	.52			
...	...	1,955.00	1,208.96	...	...	4,519.50	3,503.35	...	...	6,474.50	4,712.31	.72			
...	74.00	61.00	...	...	74.00	61.00	.82			
...	...	601.00	271.76	...	...	1,607.50	1,479.81	...	...	2,208.50	1,751.57	.79			
...	669.00	556.67	...	...	669.00	556.67	.83			
...	111.50	16.00	6.90	...	...	163.50	113.66	...	111.50	179.50	120.56	.67			
...	102.00	77.00	...	...	102.00	77.00	.75			
...	100.00	64.00	...	...	100.00	64.00	.64			
...	...	42.00	40.60	...	40.00	5.00	9.25	...	40.00	47.00	49.85	1.06			
...	...	134.50	47.68	...	...	74.00	33.00	...	...	208.50	80.68	.38			
...	...	23.00	7.03	...	...	...	...	...	...	23.00	7.03	.30			
...	10.00	5.00	...	...	10.00	5.00	.50			
...	12.00	11.00	...	...	12.00	11.00	.91			
...	...	250.50	169.70	...	...	157.50	217.22	...	...	408.00	386.92	.94			
...			
...	...	650.00	1,158.61 23.49 pl. 370.66	...	...	22,343.00	17,956.57	...	...	22,993.00	19,509.33	.84			
...	...	204.50	59.94	...	...	6,323.50	4,033.99	...	...	6,528.00	4,093.93	.62	3	18	10
...	...	159.00	350.30	...	...	405.00	854.49	...	...	564.00	1,204.79	2.13			
...	30.00	30.00	...	...	30.00	30.00	1.00			
...	...	210.00	132.35	...	...	278.00	129.66	...	...	488.00	262.01	.53			
...	...	4,826.00	3,286.60	...	...	1,048.00	750.65	...	...	5,874.00	4,037.25	.68	3	15	3
...	60.00	39.00	...	...	60.00	39.00	.65			
...	...	104.00	34.00	...	...	46.50	13.25	...	...	150.50	17.25	.31			
...	...	10.00	.88	...	...	...	...	...	...	10.00	.88	.08			
...	...	136.00	10.00	...	...	484.00	231.40	...	...	620.00	241.40	.38			
...	33.00	47.00	...	...	33.00	47.00	1.42			
...	...	135.00	201.10	...	...	162.00	283.68	...	...	297.00	484.78	1.63			
...	...	81.50	56.34	...	...	490.00	243.60	...	...	571.50	299.94	.52			
...	...	50.00	32.45	...	...	...	...	...	...	50.00	32.45	.64			
...	68.00	8.00	...	...	68.00	8.00	.11			
...	47.50	81.00	...	...	47.50	81.00	1.70			
...	849.00	343.98	...	...	849.00	343.98	.40			
...	...	9.00	3.03	...	...	309.00	192.75	...	...	318.00	195.78	.61			
...	920.00	516.00	...	...	920.00	516.00	.56			
...	207.00	125.64	...	...	207.00	125.64	.60			
...	2.70	67.00	50.50	...	...	...	...	...	2.70	67.00	50.50	.75	4	0	2½
...	114.20	12,543.50	14,362.25	...	40.00	54,186.25	49,212.68	...	154.20	66,729.75	63,574.93	...			

† ‡ See Note at foot of page 183.

TABLE II.—Return of

Murchison

CUE

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward	...	85	1	8	...	...	...
Cue	60, 170, 674	...	Lady Mary Amalgamated G.Ms., Limited	35	10	h1	...	...	...	...
Do.	203	...	Lady Mary Cyanide Works	...	...	...	4	40	960	...
Do.	157	Lady Mary No. 1 South	...	12	...	...	...	...	...	...
Do.	422	Le Premier Fleur de Mai	...	Ftd.	...	...	...	...	...	...
Do.	183	Leviathan	...	6	...	...	...	...	...	...
Do.	964, 1002	...	Light of Asia Amalgamated G.Ms., Limited	Ftd.	...	...	...	...	...	...
Do.	701	Lily	...	Abd.	...	...	...	...	...	...
Do.	1049	Lily North	...	Abd.	...	...	...	...	...	...
Do.	1131 (1049)	Lily North Extended	...	Abd.	...	...	...	...	...	...
Do.	697	Lily No. 2 South	...	Ftd.	...	...	...	...	...	...
Do.	1034/5	Lombardy Leases	...	Ftd.	...	...	...	...	...	...
Do.	1076	Lone Star	...	Abd.	...	...	...	...	...	...
Do.	537	Maori Chief	...	Ftd.	...	...	...	...	...	...
Do.	1157 (1121)	Maori	...	6	...	...	...	...	...	...
Do.	599	Marvel	...	V.N.P.	...	...	...	...	...	...
Do.	1144	Maud	...	5	...	...	...	...	...	...
Do.	1108	Maybell	...	V.N.P.	...	...	...	...	...	...
Do.	1045	New Eldorado	...	Abd.	...	...	...	...	...	...
Do.	1107	New England	...	Ftd.	...	...	...	...	...	...
Do.	1161	New Venture	...	12	...	...	...	...	...	...
Do.	1135 (1070)	New Volunteer	...	9	...	...	...	...	...	...
Do.	1143 (799)	Normanby	...	6	...	...	...	...	...	...
Do.	817	North Victoria	...	V.N.P.	...	...	...	...	...	...
Do.	920	...	Polar Star G.Ms., Ltd., (late Polar Star Prop., Ltd.)	24	10	...	...	...	...	...
Do.	1150 (692)	Princess	...	12	...	...	...	...	...	...
Do.	1059	Princess Ada South	...	V.N.P.	...	...	...	...	...	...
Do.	{ 222, 653, 784, 1016, 1048, 1114 }	...	Princess Murchison Consolidated, Ltd. (late W.A. Gold Concessions, Ltd.)	a. r. p. 37 2 27	10	...	...	...	...	...
Do.	1151	Queen of the May	...	12	...	...	...	...	...	...
Do.	745/6, 1119, 1121	...	Red, White, and Blue G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...
Do.	673	Republic	...	Ftd.	...	...	...	...	...	...
Do.	1110	Rose	...	Abd.	...	...	...	...	...	...
Do.	662	...	Rose of England G.M., Ltd.	Ftd.	...	...	...	...	...	...
Do.	1046	Salisbury	...	24	...	...	...	...	...	...
Do.	887	Stammore	...	Ftd.	...	...	...	...	...	...
Do.	958	Star of Asia	...	V.N.P.	...	...	...	...	...	...
Do.	1153	Struggle	...	a. r. p. 2 3 18	...	...	...	...	...	...
Do.	483	Tasmania	...	V.N.P.	...	...	...	...	...	...
Do.	774	Twilight	...	6	...	...	...	...	...	...
Do.	1113	Two Lilies	...	Abd.	...	...	...	...	...	...
Do.	865	Two Nations	...	V.N.P.	...	...	...	...	...	...
Do.	1037	Union Jack	...	Abd.	...	...	...	...	...	...
Do.	1118	Victoria	...	Abd.	...	...	...	...	...	...
Do.	...	Do.	...	...	...	...	...	...	...	...
Do.	1070	Volunteer	...	Ftd.	...	...	...	...	...	...
Do.	1145	Volunteer South Extended	...	a. r. p. 4 3 3	...	...	...	...	...	...
Do.	799	...	W.A. Venture Syndicate, Ltd.	Abd.	...	...	...	...	...	...
Do.	999	Wallace	...	Abd.	...	...	...	...	...	...
Do.	1009	Winchester	...	Abd.	...	...	...	...	...	...
Do.	1124	Young Colonial	...	Ftd.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Do.	...	Do.	...	...	...	...	...	...	...	...
Do.	...	Sundry parcels treated	at Cue Victory Battery	...	...	...	...	...	...	...
Do.	...	do.	at Cue Public Battery (M.A. 5)	10	...	...	...	...	...	...
Do.	...	do.	at Cue Gold Recovery Co. Works (M.A. 5)	...	...	6	40	960	...	...
Weld Range	1072, 1074, 1139, 1140, M.A. 17	...	Weld Hercules G.Ms., Ltd.	72	20	...	...	...	...	...
Do.	...	Sundry claims	...	...	...	...	...	...	...	...
Do.	...	Notices of Purchase	...	...	...	...	...	...	...	...
			Total	...	145	2	18	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	114.20	12,543.50	14,362.25	...	40.00	54,186.25	49,212.68	...	154.20	66,729.75	63,574.93	...	
...	...	...	...	...	...	...	pl. 243.00	...	...	...	243.00	...	
...	...	121.00	355.05	...	...	298.00	534.40	...	...	419.00	889.45	...	2.12
...	...	237.00	203.48	...	...	452.00	250.55	...	...	452.00	203.55	...	.55
...	...	...	...	...	...	376.00	308.97	...	...	613.00	512.45	...	.83
...	...	...	...	...	...	649.00	516.80	...	...	649.00	516.80	...	.79
...	...	...	...	...	...	623.00	959.60	...	...	623.00	959.60	...	1.54
...	...	...	...	...	...	70.00	210.00	...	...	70.00	210.00	...	3.00
...	...	...	...	...	...	75.00	143.05	...	...	75.00	143.05	...	1.90
...	...	...	...	...	...	35.00	26.00	...	...	35.00	26.00	...	.74
...	...	...	...	...	...	345.00	172.28	...	...	345.00	172.28	...	.49
...	...	...	...	...	...	17.00	7.00	...	...	17.00	7.00	...	.41
...	...	...	...	...	...	...	3+	...	...	...	3+	...	...
...	18.00	5.50	...	...	...	...	...	...	...	18.00	5.50	...	.30
...	...	...	...	...	...	50.00	20.35	...	...	50.00	20.35	...	.40
...	75.00	109.63	...	...	...	...	...	...	...	75.00	109.63	...	1.46
...	...	...	...	...	...	15.00	5.00	...	...	15.00	5.00	...	.33
...	...	...	...	...	18.00	64.50	181.87	...	18.00	64.50	181.87	...	2.81
...	...	...	...	...	...	7.00	9.00	...	...	7.00	9.00	...	1.28
...	24.00	5.30	...	...	...	...	...	...	...	24.00	5.30	...	.22
...	302.00	293.89	...	...	...	463.00	210.39	...	...	765.00	504.28	...	.65
...	172.00	264.15	...	...	...	...	...	...	...	172.00	264.15	...	1.53
...	...	...	...	...	...	203.00	313.00	...	...	203.00	313.00	...	1.54
...	108.00	34.60	...	...	...	716.00	965.08	...	...	824.00	999.68	...	1.21
...	...	446.00	456.10	...	...	...	...	...	...	446.00	456.10	...	1.02
...	...	...	...	...	...	64.00	9.55	...	...	64.00	9.55	...	.14
...	...	...	...	...	...	5,895.50	5,324.60	...	...	5,895.50	5,324.60	...	.90
...	...	208.00	169.98	...	...	...	...	...	...	208.00	169.98	...	.81
...	25.00	7.75	...	...	...	1,078.00	529.30	...	...	1,103.00	537.05	...	.48
...	114.00	91.60	...	...	...	...	...	...	...	114.00	91.60	...	.80
...	...	...	...	...	...	21.00	12.00	...	...	21.00	12.00	...	.57
...	...	...	...	...	...	300.00	42.00	...	...	300.00	42.00	...	.14
...	...	...	...	...	...	208.00	246.00	...	...	208.00	246.00	...	1.18
...	...	...	...	...	...	63.00	66.00	...	...	63.00	66.00	...	1.04
...	...	...	...	...	...	54.00	5.00	...	...	54.00	5.00	...	.09
...	35.00	6.64	...	...	...	...	...	...	...	35.00	6.64	...	.18
...	...	...	...	...	...	55.00	24.00	...	...	55.00	24.00	...	.43
...	423.00	469.85	...	...	...	475.00	616.94	...	...	898.00	1,086.79	...	1.21
...	...	...	...	...	...	90.00	93.23	...	...	90.00	93.23	...	1.03
...	...	...	...	...	...	10.00	10.00	...	...	10.00	10.00	...	1.00
...	...	...	...	...	...	55.00	18.00	...	...	55.00	18.00	...	.32
...	...	...	...	...	...	63.50	81.40	...	...	63.50	81.40	...	1.28
...	...	...	...	...	...	...	3+	...	...	...	3+	...	...
...	...	...	...	...	...	199.50	234.60	...	...	199.50	234.60	...	1.17
...	430.00	333.40	...	...	...	...	...	...	...	430.00	333.40	...	.77
...	...	...	...	...	...	645.00	530.20	...	...	645.00	530.20	...	.82
...	...	...	...	...	...	34.00	22.15	...	...	34.00	22.15	...	.65
...	...	...	...	...	...	170.00	144.50	...	...	170.00	144.50	...	.85
...	...	...	...	...	...	154.50	264.37	...	...	154.50	264.37	...	1.71
15	25	881.25	742.07	...	266.00	2,210.10	1,839.51	15	266.25	3,091.35	2,581.58	...	...
...	...	...	...	...	...	...	5+	...	...	...	5+	...	...
...	...	129.02	110.53	...	...	...	...	...	...	129.02	110.53	...	...
...	...	704.00	348.01	...	...	...	...	...	...	704.00	348.01	...	...
...	...	...	cy 2,127.00	...	...	...	...	...	...	...	2,127.00	...	...
...	...	44.50	12.54	...	...	5,145.00	3,222.14	...	...	5,189.50	3,234.68	...	.62
...	...	18.00	17.40	...	...	...	...	...	...	18.00	17.40	...	...
46.24	8.44	...	...	...	...	...	...	46.24	8.44	...	...	...	...
46.39	122.89	17,058.27	20,526.72	...	324.00	75,634.85	67,624.51	46.39	446.89	92,693.12	88,151.23	...	.95

† Also ounces from unknown tons, Black Swan 1‡ 128.00
 Do. do. Kallara 2‡ 36.00
 Do. do. Maori Chief 3‡ 59.00
 Do. do. Victoria 4‡ 277.00
 Do. do. Sundry Claims 5‡ 572.00

Total ... 1,072.00

TABLE II.—Return of

Murchison

NANNINE

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Abbotts	171N	Mount Vranizan	...	12	10	...	...	...	...	...
Do.	247N (169N) 248N (170N)	...	New Murchison King G.Ms.	30	10	...	...	...	...	...
Do.	253N	White Horse	...	12	...	...	...	...	...	...
Burnakura	84N	Alliance	...	Surr.	...	...	...	...	...	...
Do.	238N (84N)	Alliance	...	12	...	...	...	...	...	...
Do.	251N	Alliance South	...	12	...	...	...	...	...	...
Do.	250N	Juett's United	...	12	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Cork Tree	109N	Lady Eva	...	12	...	...	...	...	...	...
Gabanintha	48N	Gabanintha	...	Surr.	...	...	...	...	...	...
Do.	237N (48N)	Gabanintha	...	12	...	...	...	...	...	...
Do.	255N	Kapunda Gabanintha	...	V.N.P.	...	...	...	...	...	...
Do.	31N	Martindale	...	6	...	...	...	...	...	...
Do.	189N	Mount Yagahong	Mt. Yagahong G.Ms. and Exploration Co., Ltd.	24	...	...	...	...	...	...
Do.	50N	St. Albans	...	Surr.	...	...	...	...	...	...
Do.	32N	Tumbulgum	...	6	...	...	...	...	...	...
Do.	46N	Tumbulgum Extended	...	6	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Garden Gully	27N	Crown	...	9	10	...	...	...	...	...
Meekatharra	252N	Blue Danube	...	12	...	...	...	...	...	...
Do.	236N	Haveluck	...	12	...	...	...	...	...	...
Do.	90N	Meekatharra	...	V.N.P.	...	...	...	...	...	...
Do.	93N	No. 93	...	12	...	...	...	...	...	...
Do.	246N	Sirdar	...	12	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Munara Gully	230N, 231N	After Many Years	...	30	20	...	...	...	...	...
Do.	259N	Beautiful Infant...	...	12	...	...	...	...	...	...
Do.	219N	Munara King	...	12	...	...	...	...	...	...
Nannine	242N	...	Aberfoyle G.M. Ltd.	18	...	...	...	...	...	...
Do.	54N, 55N	...	Anglo-Westralian and General Explorations, Ltd.	V.N.P.	...	...	...	...	...	...
Do.	8N	Caledonian Extended	...	6	...	...	...	...	...	...
Do.	7N, 15N, 42N, 44/5N, 47N, 67N	...	Champion Extd. G.M. Co.	90	20	...	...	...	...	...
Do.	10N, 11N, 13N, 17N, 37N, 43N	...	Champion Reef, Nannine, W.A., G.M. Co., Ltd.	51	30	...	...	...	...	...
Do.	102N	Esmeralda	...	6	...	...	...	...	...	...
Do.	73N, 113N	Iron King and Kaiser Propy.	...	V.N.P.	...	...	...	...	...	...
Do.	204N	Lake Shore...	...	Abd.	...	...	...	...	...	...
Do.	167/8N	...	Murchison Caledonian Co.	Ftd.	...	...	...	...	...	...
Do.	16N, 166N	...	Nannine G.M. Co., N.L.	24	10	...	...	...	...	...
Do.	264N	New Caledonian	...	6	...	...	...	...	...	...
Do.	18N	New Year	...	12	...	...	...	...	...	...
Do.	249N (167N)	Queen of the Lake	Mt. Yagahong G.M. and Explorations Co., Ltd.	24	10	...	...	...	...	...
Do.	25N	Royalist Consolidated	...	9	3	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Do.	...	Sundry Parcels treated at	Queen of the Lake Battery...	...	...	...	...	...	...	...
Nowthanna	213N (175N)	...	Nowthanna G.Ms., Limited	6	5	...	...	...	...	...
Quinn's	214N	Manchester	...	V.N.P.	...	...	...	...	...	...
Stakewell	139N	Review	...	6	...	...	...	...	...	...
Star of the East	178N	Lady Maud...	...	Ftd.	...	...	...	...	...	...
Do.	174N	...	Star of the East, Limited	25	20	...	...	...	...	...
Do.	122N	Unity	...	Abd.	5	...	...	...	...	...
Tuckanarra	221N	Blue Anchor	...	12	...	...	...	...	...	...
Do.	199N	Douglas Boulder	...	6	...	...	...	...	...	...
Do.	131N	East Lynne...	...	6	...	...	...	...	...	...
Do.	160N	Newhaven	...	V.N.P.	...	...	...	...	...	...
Do.	134N	Trilby	...	12	...	...	...	...	...	...
Do.	206N	Tuckanarra North	...	12	...	...	...	...	...	...
Do.	223N	Tuckanarra No. 1 South	...	6	...	...	...	...	...	...
Do.	...	Government Public Battery	...	...	10	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Do.	...	Notices of Purchase	...	...	...	...	...	...	...	...
Total				...	163	...	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	...	3,030'00	3,328'95	...	...	1,386'00	1,295'85	...	...	4,416'00	4,624'80	1'04	3	18	0
...	...	1,430'00	1,574'05	...	...	3,511'00	5,077'70	...	...	4,941'00	6,651'75	1'34	3	17	9 ³ / ₄
...	...	58'50	65'00	...	...	...	...	...	...	58'50	65'00	1'11			
...	175'00	255'75	...	...	175'00	255'75	1'46			
...	...	276'00	605'25	...	...	...	...	...	...	276'00	605'25	2'19			
...	...	206'50	391'00	...	...	...	...	...	...	206'50	391'00	1'89			
...	1,145'10	100'00	385'15	...	...	...	...	...	1,145'10	100'00	385'15	3'85			
...	...	25'00	22'30	...	...	...	...	...	...	25'00	22'30	...			
...	90'75	...	...	...	90'75	...	...	...
...	144'00	108'50	...	...	144'00	108'50	'75			
...	...	160'00	99'00	...	...	...	...	...	...	160'00	99'00	'61			
...	11'00	11'75	...	...	11'00	11'75	1'06			
...	...	32'50	40'55	...	...	61'00	46'75	...	...	93'50	87'30	'93			
...	2,061'00	2,392'35	...	...	2,061'00	2,392'35	1'16			
...	...	77'00	115'50	...	...	224'00	315'90	...	...	301'00	431'40	1'43			
...	670'50	307'12	...	...	670'50	307'12	'45			
...	...	37'00	53'80	...	...	26'00	44'15	...	...	63'00	97'95	1'55			
...	...	36'00	34'28	...	...	...	...	...	...	36'00	34'28	...			
...	...	10'00	10'00	...	...	196'00	396'60	...	...	206'00	406'60	1'97			
...	...	77'50	199'25	...	...	...	...	...	...	77'50	199'25	2'57			
...	...	54'00	58'00	...	...	...	...	...	...	54'00	58'00	1'07			
...	61'00	47'35	...	...	61'00	47'35	'77			
...	...	72'00	130'25	...	...	53'00	160'00	...	...	125'00	290'25	2'32			
...	15'00	38'00	57'80	...	...	...	...	...	15'00	38'00	57'80	1'52			
...	...	28'00	111'75	...	...	...	...	...	...	28'00	111'75	...			
...			
...	...	404'50	662'40	...	...	...	...	...	...	404'50	662'40	1'63			
...	...	34'00	99'25	...	...	96'00	163'65	...	...	130'00	262'90	2'02			
...	...	93'00	227'82	...	...	...	...	...	...	93'00	227'82	2'44			
...	107'00	32'85	...	...	107'00	32'85	'30			
...	...	37'00	277'60	...	...	120'00	752'82	...	...	157'00	1,030'42	6'56			
...	...	2,516'00	1,258'01	...	...	10,398'00	6,410'10	...	...	12,914'00	7,668'11	'59	3	7	6
...	...	733'00	390'70	...	...	10,814'00	5,743'43	...	...	11,547'00	6,134'13	'53			
...	16'00	25'20	...	...	16'00	25'20	1'57			
...	50'00	51'50	...	...	50'00	51'50	1'03			
...	49'00	48'75	...	...	49'00	48'75	'99			
...	8,559'00	6,494'40	...	...	8,559'00	6,494'40	'75			
...	...	1,319'00	4,065'20	...	...	2,538'00	4,055'93	...	...	3,857'00	8,121'13	2'10	3	12	8
...	...	65'00	77'00	...	...	...	...	...	...	65'00	77'00	1'18			
...	...	72'00	155'00	...	...	183'50	173'85	...	...	255'50	328'85	1'28			
...	...	1,060'00	437'90	...	...	...	...	...	...	1,060'00	437'90	'41			
...	...	125'00	401'38	...	...	547'50	1,646'05	...	...	672'50	2,047'43	3'04	3	18	0
...	...	413'00	729'20	...	...	79'50	138'80	...	...	492'50	868'00	...			
...	10'00	26'00	...	...	10'00	26'00	...			
...	...	192'00	256'70	...	...	122'00	43'00	...	...	314'00	299'70	'95			
...	3'75	...	...	...	13'62	...	...	...	17'37	...	...	...
...	...	82'00	25'32	...	...	10'00	10'30	...	...	92'00	35'62	'38			
...	60'00	130'00	...	...	60'00	130'00	2'16			
...	...	2,220'00	1,721'10	...	...	19,764'00	21,800'35	...	...	21,984'00	23,521'45	1'06	2	15	6
...	107'00	74'24	...	...	107'00	74'24	'69			
...	...	43'00	21'50	...	...	...	...	...	...	43'00	21'50	'50			
...	...	50'00	114'25	...	465'12	...	...	...	465'12	50'00	114'25	2'28			
...	...	27'00	10'14	...	...	...	...	...	...	27'00	10'14	'37			
...	...	37'00	32'45	...	118'95	...	12'39	...	118'95	37'00	44'84	1'21			
...	...	211'00	275'50	...	...	29'50	26'55	...	...	240'50	302'05	1'25			
...	...	143'00	40'10	...	...	...	...	...	...	143'00	40'10	'28			
...	...	110'00	35'85	...	...	...	...	...	...	110'00	35'85	'32			
...	...	230'50	3,254'54	...	...	...	...	...	...	230'50	3,254'54	...			
1'90	1'90	...	...	...	...
1'90	1,163'85	15,965'00	21,850'79	...	688'44	62,239'50	58,319'93	1'90	1,852'29	78,204'50	80,170'72	1'02			

TABLE II.—Return of

Murchison

DAY DAWN

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.						
					Milling.		Cyaniding.				
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	
							Tons.	Tons.			
Day Dawn	28D	Cooya		V.N.P.							
Do.	22D	Crème d'Or		9							
Do.	14D (71D)	Crossus		6							
Do.	15D		Emperor G.Ms., Limited	12							
Do.	26D	Eureka No. 5		12	5						
Do.	78D	Golden Crown		Ftd.							
				a. r. p.							
Do.	{ 1D, 2D, 7D, 86/7D, 99D, 119D, 129D, 158/9D, 170D }	{ ... }	{ Great Fingall Consoltdtd., Ltd. (late Consoltdtd. Murchison G.Ms., Ltd.) }	137 2 21	50		5	70			
Do.	125D	Great Western		V.N.P.							
Do.	156D	Groper		Abd.							
Do.	157D	New Caledonia		Abd.							
Do.	101D	Pelican		V.N.P.							
Do.	46D	Perseverance		V.N.P.							
Do.	173D (12D)	Phoenix		4			4	20	480		
Do.	66D	Queen's Birthday South		Ftd.							
Do.	151D	Richmond		Surr.							
Do.	138D, 166/7D	Rubicon leases		18							
Do.	134D	Sailor Lad		V.N.P.							
Do.	146D	Smith's United		Abd.							
Do.	115D	Southdown		Ftd.							
Do.	162D (115D)	Southdown		6							
Do.	119D	St. Alban's		12							
Do.	163D	Strathmore		Surr.							
Do.	148D	Trenton		V.N.P.							
Do.	174D (46D)	Try Again		12							
Do.	12D		Yalgoo Proprietary and Prospecting Syndicate, Ltd.	Ftd.							
Do.		Sundry Claims									
Do.		Sundry Parcels treated at	Day Dawn Public Battery, (M.A. 6E)		10		5	20	480		
Do.		Do. do.	Day Dawn South No. 1 Battery								
Do.		Do. do.	Eureka No. 5 Battery								
Island	4D, 30D, 153D	Chicago leases		Ftd.							
				a. r. p.							
Do.	9D	(Eureka)		5 2 25							
Do.	35D	(Evening Star)		5 3 28							
Do.	{ 35D, 42D, 68/9D, 70D, 74D, 79D, 143D }	{ ... }	Golconda Gold Mines, Ltd.	89 2 22	10						
Do.	5D, 9D, 142D		Island Eureka G.M. Co., N.L.	16 2 25							
Do.	8D, 40D		Island Lake Austin G.M. Co., N.L.	12	10		2	50	400		
Do.	106D		Island Lake Austin South G.M. Co., N.L.	12							
Do.	155D	New Orient...		6							
Do.	11D	Von Moltke		4							
Do.		Sundry Claims									
Do.		Sundry Parcels treated at	Island Lake Austin Battery								
Mainland	149D	Kinsella		Ftd.							
Do.	6D, 60/1D, M.A. 1D		Mainland Consols, Limited	48	10						
Do.	147D	Mainland Consols Extended North		Surr.							
Do.	97D		Mainland East, Limited	Ftd.							
Do.	161D (147D)	Mainland Eureka		6							
Do.	85D	Perseverance		Ftd.							
Do.	171D (85D)	Perseverance		9							
Do.	135D	Wild Cat		6							
		Notices of Purchase									
Total					95		16				

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.			
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.					
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.	
...	85.00	56.35	...	...	85.00	56.35	...	...	...	...
...	...	61.00	52.91	...	...	155.50	107.30	...	...	216.50	160.21	...	...	...	...
...	...	57.00	40.68	...	...	1,081.00	1,748.13	...	...	1,138.00	1,788.81	...	...	...	...
...	...	110.25	107.10	...	...	1,628.45	2,786.93	...	...	1,738.70	2,894.03	...	...	...	...
...	...	582.50	672.85	...	...	366.75	454.92	...	...	949.25	1,127.77	...	...	3	18	0
...	110.00	143.00	...	...	110.00	143.00	...	...	1	30	...
...	...	330.00	3,594.66	...	...	39,552.00	27,792.65	...	...	39,882.00	31,387.31	...	...	3	6	11½
...	37.00	27.57	...	...	37.00	27.57	...	...	...	...	...
...	35.58	172.00	140.67	...	35.58	172.00	140.67	...	...	...	...	...
...	6.15	155.00	88.26	...	6.15	155.00	88.26	...	...	...	...	...
...	25.00	29.00	...	...	25.00	29.00	...	...	...	...	...
...	...	11.50	14.60	...	...	37.00	24.30	...	...	48.50	38.90	...	...	...	...	...
...	...	40.00	405.80	...	...	...	...	...	...	40.00	405.80	...	...	...	...	...
...	33.00	8.00	...	...	33.00	8.00	...	...	...	...	...
...	48.00	150.00	...	...	48.00	150.00	...	...	...	...	...
...	...	485.00	359.67	...	...	1,005.50	688.93	...	...	1,490.50	1,048.60	...	...	...	...	...
...	48.00	58.60	...	...	48.00	58.60	...	...	...	...	...
...	...	5.00	2.16	...	4.00	157.50	397.75	...	4.00	162.50	399.91	...	...	...	...	...
...	333.00	537.79	...	...	333.00	537.79	...	...	...	...	...
...	...	96.00	150.45	...	...	...	...	...	...	96.00	150.45	...	...	...	...	...
...	43.00	16.80	...	...	43.00	16.80	...	...	...	...	...
...	47.00	29.11	...	...	47.00	29.11	...	...	...	...	...
...	7,748.00	6,024.65	...	...	7,748.00	6,024.65	...	...	...	...	...
1.70	...	15.25	60.31	...	...	...	...	1.70	...	15.25	60.31	...	...	4	0	0
...	720.00	838.95	...	...	720.00	838.95	...	...	...	...	...
...	29.19	213.00	446.39	...	...	...	...	...	29.19	213.00	446.39	...	...	...	...	...
...	...	100.00	47.74	...	...	...	...	...	...	100.00	47.74	...	...	...	...	...
...	380.00	505.50	...	...	380.00	505.50	...	...	...	...	...
...	...	120.00	68.44	...	...	...	...	...	...	120.00	68.44	...	...	...	...	...
...	75.10	430.10	...	...	75.10	430.10	...	...	...	...	...
...	143.20	529.00	...	...	143.20	529.00	...	...	...	...	...
...	1,253.00	429.00	...	...	1,253.00	429.00	...	...	...	...	...
...	...	2,787.00	4,961.16	...	...	6,565.00	14,343.08	...	...	9,352.00	19,304.24	...	...	2	06	3
...	...	30.50	429.18	...	...	829.20	2,779.75	...	...	859.70	3,208.93	...	...	3	73	4
...	1,742.00	619.15	...	...	1,742.00	619.15	...	...	...	...	...
...	20.00	2.00	...	...	20.00	2.00	...	...	...	...	...
...	...	150.00	147.55	...	...	581.50	3,285.48	...	...	731.50	3,433.03	...	...	4	69	3
25.00	2.91	...	...	25.00	2.91	...	...	...	...	...	...	...
9.00	119.00	53.00	9.00	...	119.00	53.00	...	...	...	...	...
...	...	24.00	36.00	...	142.00	7,504.50	3,445.28	...	142.00	7,528.50	3,481.28	...	...	...	...	...
...	...	700.00	311.00	...	...	3,169.15	18,040.62	...	...	3,869.15	18,351.62	...	...	3	17	10½
...	25.00	172.60	...	...	25.00	172.60	...	...	...	...	...
...	20.00	69.78	...	...	20.00	69.78	...	...	...	...	...
...	837.19	...	...	...	...	...	...	...	837.19	...	...	...	...	3	18	4
...	356.85	59.70	314.90	...	356.85	59.70	314.90	...	...	...	...	...
...	48.70	50.00	13.15	...	...	...	...	...	48.70	50.00	13.15	...	...	...	...	...
...	30.40	10.50	66.25	...	244.25	73.05	741.25	...	274.65	83.55	807.50	...	...	...	...	...
27.61	2.57	...	...	...	...	...	...	27.61	2.57	...	...	...	...	...	...	...
63.31	948.05	5,978.50	11,988.05	...	791.74	76,147.10	87,910.15	63.31	1,739.79	82,125.60	99,898.20	1.21	...	...	...	...

TABLE II.—Return of

Murchison

MOUNT MAGNET

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Boogardie	462M (347M)	Bobbie Burns		6						
Do.	184M	Bonanza		V.N.P.						
Do.	351M	Boogardie		V.N.P.						
Do.	337M	Constellation		Abd.						
Do.	172M	Eclipse		9						
Do.	264M	Eclipse Extended		12						
Do.	411M	Eclipse North		6						
Do.	338M	Excelsior		Ftd.						
Do.	185M, 281M	Exchange leases		Abd.						
Do.	410M	Federation		Abd.						
Do.	173M	Golden Crown		Ftd.						
Do.	224M	Golden Point		V.N.P.						
Do.	162M	Golden Stream		Ftd.						
Do.	459M (162M)	Golden Stream		6						
Do.	439M	Grossotto		6						
Do.	239M	Havelock		Ftd.						
Do.	335M	Havelock Extended		Ftd.						
Do.	328M	Havelock Proprietary		Ftd.						
Do.	361M	Hesperian		10						
Do.	386M	Hesperus Dawn		Ftd.						
Do.	463M (386M)	Hesperus Dawn		10						
Do.	189M, 190/1M	Jupiter leases		V.N.P.						
Do.	372M	Lady Bunbury		12						
Do.	435M (337M)	Lone Hand		Ftd.						
Do.	226M	Lucknow		Ftd.						
Do.	148M	Meteor		Ftd.						
Do.	182M	Midlothian		9						
Do.	456M (335M)	Mystery		Abd.						
Do.	347M	National		V.N.P.						
Do.	445M (173M)	Neptune		12						
Do.	292M	New Year's Gift		Abd.						
Do.	391M	Nil Desperandum		Ftd.						
Do.	160M	O.K.		V.N.P.						
Do.	220M	O.K. North		6						
Do.	65M	Planet		Ftd.						
Do.	307M	Rock of Cashel		Ftd.						
Do.	426M	Rose, Shamrock, & Thistle		Ftd.						
Do.	336M	Star of the West		Ftd.						
Do.	455M (336M)	Star of the West		6						
Do.	332M	Three Star		Ftd.						
Do.	479M (408M)	Venus		Ftd.						
Do.	470M (239M)	Waverley		5						
Do.	353M	Wellington		Abd.						
Do.	469M	Western		6						
Do.		Sundry Claims								
Lennonville	48M	Brilliant		9						
Do.	74M, 78M		British Exploration Co., Ltd.	Ftd.						
Do.	428M	Burra Burra Consols		Abd.						
Do.	327M, 346M, 368M	Burra Burra leases		a. r. p. 28 2 15						
Do.	454M	Burra North		6						
Do.	375M	Canterbury		Abd.						
Do.	458M	Canterbury Extd. No. 1		Abd.						
Do.	80M, R.C. 2		Colonial Consold. Finance Corporation, Ltd. (late Cor- saire Consold. G.M., Ltd.)	12	20					
Do.	333M	Fair Play		6						
Do.	407M	Federal		V.N.P.						
Do.	144M	Geraldton United		Ftd.						
Do.	47M, 179M	Golden Giant leases		Ftd.						
Do.	143M	Golden Giant West		Ftd.						
Do.	41M, 52M	Golden Treasure leases		12						
Do.	225M	Grand Gorge		6						
Do.	453M	Josephine		a. r. p. 2 1 5						
Do.	393M (74M)	Keep it Dark		Abd.						
Do.	300M	Lady Hilda		Ftd.						
Do.	30M, 31M, 39M, 247M, 433M		Long Reef G.M. Co., Ltd. (late Kinambala Wealth of Nations, Ltd.)	51	20					
		Carried forward			40					

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	...	19.00	6.25	...	...	...	...	...	...	19.00	6.25	32			
...	40.00	20.00	...	...	40.00	20.00	50			
...	16.00	4.52	...	...	16.00	4.52	28			
...	20.00	6.50	...	...	20.00	6.50	32			
...	...	183.00	101.20	...	4.80	74.00	642.35	...	4.80	257.00	743.55	2.89			
...	...	512.42	690.60	...	...	104.60	500.00	...	...	617.02	1,190.60	1.92			
...	...	41.00	6.09	...	...	...	...	...	...	41.00	6.09	14			
...	8.50	2.00	...	...	8.50	2.00	23			
...	...	102.00	41.30	...	...	57.00	103.75	...	...	159.00	145.05	.91			
...	22.00	12.50	40.60	...	51.05	...	...	...	73.05	12.50	40.60	3.24			
...	121.00	232.90	...	...	121.00	232.90	1.92			
...	4.60	...	3.00	...	4.60	...	3.00	...			
...	...	56.00	17.23	...	...	377.00	268.56	...	...	433.00	283.79	.66			
...	...	66.00	16.70	...	...	...	...	...	...	66.00	16.70	.25			
...	2.30	57.50	113.48	...	...	24.00	34.65	...	2.30	81.50	148.13	1.81			
...	469.00	451.57	...	...	469.00	451.57	.96			
...	...	12.00	4.25	...	...	81.00	43.10	...	...	93.00	47.35	.50			
...	...	14.00	8.80	...	45.15	28.00	64.39	...	45.15	42.00	73.19	1.74			
...	...	620.00	529.86	...	...	258.00	371.70	...	...	878.00	901.56	1.02	3	17	5
...	...	31.00	21.93	...	...	...	...	...	...	31.00	21.93	.70			
...	...	88.48	272.00	...	...	...	...	...	...	88.48	272.00	3.07	4	2	4
18.03	...	461.15	517.04	...	...	290.00	236.28	18.03	...	751.15	753.32	1.00			
...	...	179.65	72.60	...	...	146.00	55.64	...	...	325.65	128.24	.39			
...	...	25.00	5.20	...	...	...	...	...	...	25.00	5.20	.20			
...	610.00	766.17	...	...	610.00	766.17	1.25			
...	...	51.00	51.70	...	...	...	...	...	...	51.00	51.70	1.01			
...	12.00	11.10	...	...	12.00	11.10	.92			
...	...	66.50	26.13	...	...	...	...	...	...	66.50	26.13	.39			
...	11.00	5.15	...	...	11.00	5.15	.46			
...	...	145.00	138.10	...	...	...	...	...	...	145.00	138.10	.95			
...	20.00	20.60	...	...	20.00	20.60	1.03			
...	...	57.00	40.60	...	...	...	...	...	...	57.00	40.60	.71			
...	...	13.00	10.30	...	38.00	42.30	140.00	...	38.00	55.30	150.30	2.71			
...	...	16.00	1.95	...	...	...	...	...	...	16.00	1.95	.12			
...	...	125.00	96.10	...	...	122.00	53.15	...	...	247.00	149.25	.60			
...	24.00	8.55	...	...	24.00	8.55	.35			
...	...	33.00	3.90	...	...	57.00	16.85	...	...	90.00	20.75	.23			
...	35.00	77.00	247.85	...	35.00	77.00	247.85	3.21			
...	...	76.00	21.43	...	...	...	...	...	...	76.00	21.43	.28			
...	61.00	106.50	569.03	...	61.00	106.50	569.03	5.34			
...	...	27.00	16.83	...	...	169.00	1,490.00	...	...	196.00	1,506.83	7.68			
...	...	155.00	58.70	...	...	...	...	...	...	155.00	58.70	.37			
...	6.00	18.00	28.10	...	6.00	18.00	28.10	1.56			
...	...	60.00	23.15	...	...	...	...	...	...	60.00	23.15	.38			
...	...	296.00	165.45	...	...	31.00	89.30	...	...	327.00	254.75	...			
...	...	185.00	155.33	...	...	312.00	400.32	...	...	497.00	555.65	1.11			
...	110.00	144.65	...	...	110.00	144.65	1.31			
...	...	18.00	.50	...	...	...	...	...	...	18.00	.50	.02			
...	...	250.00	877.11	...	...	310.50	1,152.97	...	...	560.50	2,030.08	3.62	3	16	9
...	...	34.00	19.35	...	...	...	...	...	...	34.00	19.35	.56			
...	...	62.00	83.46	...	...	51.00	203.81	...	...	113.00	287.27	2.54			
...	...	12.00	1.10	...	...	...	...	...	...	12.00	1.10	.09			
...	...	219.00	199.47	...	...	3,154.00	1,682.70	...	...	3,373.00	1,882.17	.55	3	19	0
...	...	110.00	194.71	...	...	96.00	191.00	...	...	206.00	385.71	1.87			
...	10.00	.55	...	...	10.00	.55	.05			
...	...	9.00	1.33	...	...	42.00	11.80	...	...	51.00	13.13	.25			
...	147.00	71.40	...	...	147.00	71.40	.48			
...	40.00	10.35	...	...	40.00	10.35	.25			
...	...	395.00	224.76	...	...	112.00	133.62	...	...	507.00	358.38	.70			
...	...	89.00	95.99	...	...	209.50	676.86	...	...	298.50	772.85	2.58			
...	...	6.00	.91	...	...	...	...	...	...	6.00	.91	.15			
...	49.90	103.10	...	...	49.90	103.10	2.06			
...	79.00	17.00	...	...	79.00	17.00	.21			
...	...	4,134.00	3,231.09	...	...	355.25	456.95	...	...	4,489.25	3,688.04	.82	3	18	2
18.03	24.30	9,124.20	8,204.58	...	245.60	8,492.05	11,743.84	18.03	269.90	17,616.25	19,948.42	...			

§ 10ozs. amalgam = 3ozs. gold from ½wt. stone.

TABLE II. -Return of

Murchison

MOUNT MAGNET

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward	...	40	...	...	Tons.	Tons.	...
Lennonville	418M	Mermaid	...	a. r. p. 6 2 15	...	...	...	...	...	...
Do.	440M (412M)	Moonstone	...	Ftd.	...	...	...	...	...	...
Do.	425M (143M)	Murchison Boulder	...	12	...	...	...	...	...	...
Do.	23M	North Yuletide	...	6	...	...	...	...	...	...
Do.	40M, 66M	Occidental leases	...	18	5	...	...	...	...	...
Do.	394M	Queenslander	...	12	...	...	...	...	...	...
Do.	399M	Queenslander South	...	6	...	...	...	...	...	...
Do.	446M	Revealed Secret	...	6	...	...	...	...	...	...
Do.	35M	Rock of Ages	...	Ftd.	...	...	...	...	...	...
Do.	4F2M	Rosella	...	Ftd.	...	...	...	...	...	...
Do.	449M	Scottish and Colonial	...	6	...	...	...	...	...	...
Do.	436M (393M)	Speedwell	...	6	...	...	...	...	...	...
Do.	421M (334M)	Splendour	...	6	...	...	...	...	...	...
Do.	465M (47M)	Sullivan's Dunlop	...	12	...	...	...	...	...	...
Do.	374M	Victoria	...	Abd.	...	...	...	...	...	...
Do.	480M (374M)	Victoria	...	12	...	...	...	...	...	...
Do.	262M	Wah Wah	...	Ftd.	...	...	...	...	...	...
Do.	420M (262M)	Wah Wah	...	Ftd.	...	...	...	...	...	...
Do.	57M	Welcome	...	12	1	...	...	...	...	...
Do.	395M	Welcome News	...	Abd.	...	...	...	...	...	...
Do.	103M	Wheel of Fortune North	...	6	...	...	...	...	...	...
Do.	109M	Wheel of Fortune North Ex.	...	Ftd.	...	...	...	...	...	...
Do.	151M	Wheel of Fortune South Block	...	6	...	...	...	...	...	...
Do.	334M	Wrayfield	...	Ftd.	...	...	...	...	...	...
Do.	198M	Yuletide	...	V.N.P.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Do.	...	Government Public Battery	...	...	10	...	...	...	...	...
Mt. Magnet	317M	Birthday	...	a. r. p. 5 3 37	...	...	...	...	...	...
Do.	304M	Black Diamond	...	V.N.P.	...	...	...	...	...	...
Do.	43M	Bungarra	...	Ftd.	...	...	...	...	...	...
Do.	A.C. 1M.	Deep Alluvial Claim	...	...	...	...	...	...	...	...
Do.	389M	Evening Star	...	V.N.P.	...	...	...	...	...	...
Do.	49M, 56M	...	Gascoyne, Murchison Gold- fields Exploration Co., Ltd.	Ftd.	...	...	...	...	...	...
Do.	417M	Gay Parisienne	...	12	...	...	...	...	...	...
Do.	301M	(Golden Age)	...	12	...	...	...	...	...	...
Do.	257M	(Hector Hill)	...	18	...	...	...	...	...	...
Do.	401M (34M)	Homeward Bound	...	6	...	...	...	...	...	...
Do.	457M (43M)	Iguana	...	12	...	...	...	...	...	...
Do.	370M (63M)	La Perola	...	Abd.	...	...	...	...	...	...
Do.	9M	...	Mayflower G.M., Limited	Ftd.	...	...	...	...	...	...
Do.	34M, 54M	Monarch leases	...	Ftd.	...	...	...	...	...	...
Do.	314M, 317M, 320M	Morning Star leases	...	a. r. p. 23 3 37	10	...	...	...	...	...
Do.	64M, 319M, 399M,	...	Mt. Magnet G.M. Co., Ltd.	31	20	...	...	...	...	...
Do.	448M (9M)	Murchison	...	9	...	...	...	...	...	...
Do.	7M, 206M, 257M, 301M, 313M, 315/6M, 324M, 355/6M	...	Murchison New Chum G.Ms., Limited	87	10	6	50	1,200	...	...
Do.	26M	New Chum South Extended	...	a. r. p. 25 1 20	...	...	...	...	...	...
Do.	371M	New Moon	...	V.N.P.	...	...	...	...	...	...
Do.	476M	Paris	...	6	...	...	...	...	...	...
Do.	45M	Pearl of Ben Rose	...	Ftd.	...	...	...	...	...	...
Do.	2M	South Pearl	...	Ftd.	...	...	...	...	...	...
Do.	63M	Tarquin	...	Ftd.	...	...	...	...	...	...
Do.	120M, 339M	...	Western Syndicate, Limited	24	10	...	...	...	...	...
Do.	29M	White Rose No. 1 North	...	V.N.P.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Do.	...	Sundry tailings treated at Christmas Gift	Murchison New Chum Works	...	...	...	...	...	...	...
Mt. Magnet, East	367M	Hannah May	...	12	...	...	...	...	...	...
Do.	388M	Havela	...	6	...	...	...	...	...	...
Do.	415M	...	...	12	...	...	...	...	...	...
			Carried forward	...	105	1	6	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
18'03	24'30	9,124'20	8,204'58	...	245'60	8,492'05	11,743'84	18'03	269'90	17,616'25	19,948'42	...			
...	...	129'50	180'13	...	...	40'00	21'45	...	...	169'50	201'58	1'18			
...	...	10'00	3'50	...	...	...	...	...	...	10'00	3'50	'35			
...	...	14'00	5'60	...	...	12'00	1'87	...	...	26'00	7'47	'28			
...	...	135'00	76'79	...	...	199'00	128'65	...	...	334'00	205'44	'61			
...	62	41'00	20'27	...	...	104'30	237'30	...	62	145'30	257'57	1'77			
...	...	47'00	26'82	...	...	98'00	50'65	...	...	145'00	77'47	'53			
...	...	1,135'00	967'40	...	...	...	...	...	...	1,135'00	967'40	'85			
...	...	37'00	8'72	...	...	...	...	...	...	37'00	8'72	'23			
...	35'00	23'00	...	...	35'00	23'00	'65			
...	13'00	14'00	...	...	13'00	14'00	1'07			
...	...	10'00	2'00	...	...	...	...	...	...	10'00	2'00	'20			
...	...	9'00	21'00	...	...	...	...	...	...	9'00	21'00	2'33			
...	...	233'50	178'84	...	...	36'25	70'00	...	...	269'75	248'84	'92	3	17	10
...	...	264'00	177'98	...	...	...	...	...	...	264'00	177'98	'67			
...	22'00	10'05	...	...	22'00	10'05	'45			
...	...	17'00	1'70	...	...	...	...	...	...	17'00	1'70	'10			
...	169'00	231'57	...	...	169'00	231'57	1'37			
...	...	23'00	12'05	...	...	...	...	...	...	23'00	12'05	'52			
...	...	530'00	843'65	...	2,550'20	330'00	354'95	...	2,550'20	860'00	1,198'60	1'39	3	18	6
...	31'00	6'85	...	...	31'00	6'85	'22			
...	...	249'00	470'20	...	...	279'00	926'40	...	...	528'60	1,396'60	2'64			
...	34'00	57'75	...	...	34'00	57'75	1'69			
...	...	117'00	528'80	...	...	81'50	243'38	...	...	198'50	772'18	3'89	3	18	0
...	114'75	133'00	...	...	114'75	133'00	1'15			
...	...	28'50	13'55	...	...	25'50	28'63	...	...	54'00	42'18	'78			
...	...	69'25	42'89	...	...	72'00	63'00	...	...	141'25	105'89	...			
...			
...	184'50	30'92	...	...	184'50	30'92	'16			
...	...	10'00	8'50	...	...	29'00	25'45	...	...	39'00	33'95	'87			
...	88'00	59'90	...	...	88'00	59'90	'68			
...	...	790'00	295'57	...	...	...	...	...	...	790'00	295'57	'37			
...	30'00	5'25	...	...	30'00	5'25	'17			
...	19'25	4'37	...	...	19'25	4'37	'22			
...	...	488'35	128'76	...	...	46'50	31'45	...	...	534'85	160'21	'29			
...	...	77'00	109'65	...	...	...	...	...	...	77'00	109'65	1'42			
...	...	24'00	7'55	...	...	...	...	...	...	24'00	7'55	'31			
...	...	43'50	114'41	...	...	33'00	33'75	...	...	76'50	148'16	1'93			
...	...	111'00	195'65	...	...	...	...	...	...	111'00	195'65	1'76			
...	41'00	36'85	...	...	41'00	36'85	'89			
...	174'00	287'98	...	...	174'00	287'98	1'65			
...	298'00	180'50	...	...	298'00	180'50	'60			
...	...	9,565'00	4,815'54	...	...	37,716'00	19,709'08	...	...	47,281'00	24,524'62	'51	3	16	7
...	...	196'00	141'33	...	...	2,563'00	2,120'35	...	...	2,759'00	2,261'68	'81			
...	...	291'00	316'97	...	...	...	...	...	...	291'00	316'97	1'08			
...	...	1,959'00	2,259'80	...	...	7,072'00	22,046'76	...	...	9,031'00	24,306'56	2'69	3	16	6
...	163'00	28'70	...	...	163'00	28'70	'17			
...	...	30'00	3'10	...	...	256'00	184'10	...	...	286'00	187'20	'65			
...	...	79'00	88'91	...	...	...	...	...	...	79'00	88'91	1'12			
...	66'00	33'25	...	...	66'00	33'25	'50			
...	11'00	12'45	...	...	11'00	12'45	1'13			
...	50'00	25'00	...	...	50'00	25'00	'50			
...	...	169'00	111'15	...	...	135'00	88'95	...	...	304'00	203'81	'67	4	1	0
...	{ pl. 3'71 }	...	...	...	...	...	...	...	...	...
...	...	480'00	186'24	...	...	23'07	921'60	...	23'07	1,401'60	2,140'00	...			
...	cy 1,382'75	...	...	...	...	...	...	...	1,382'75	...			
...	20'00	14'30	45'00	...	...	57'50	...	...	...	77'50	45'00	3'14			
...	5'00	19'75	8'18	...	...	...	...	...	...	5'00	19'75	'41			
...	162'30	26'00	11'10	...	...	85'44	...	...	...	247'74	11'10	'42			
18'03	212'22	26,595'85	22,020'34	...	2,961'81	60,136'20	61,250'81	18'03	3,174'03	86,732'05	83,271'15	...			

TABLE II.—Return of

Murchison

MOUNT MAGNET

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								Tons.	Tons.	
			Brought forward	...	105	1	6	...	...	...
Mt. Magnet East	414M	Johnston's Treasure	...	6	...	...	...	...	...	...
Do.	460M	Killarney	...	12	...	...	...	...	...	...
Do.	471M	Lady Margaret	...	5	...	...	...	...	...	...
Do.	472M	Lady Margaret West	...	5	...	...	...	...	...	...
Do.	416M	Lady Maud	...	12	1	...	...	...	...	...
Do.	381M	Mount Ford	...	6	...	...	...	...	...	...
Do.	461M	Pioneer	...	5	...	...	...	...	...	...
Do.	406M	Sampey's Hidden Secret	...	V.N.P.	...	...	...	...	...	...
Do.	382M	South Australian	...	12	...	...	...	...	...	...
Do.	413M	Surprise	...	12	...	...	...	...	...	...
Do.	340M	Windsor Castle	...	12	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Moyagee	326M	Louise	...	12	...	...	...	...	...	...
Do.	101M	Waratah	...	Abd.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Warringee	302M	Agnes	...	Abd.	...	...	...	...	...	...
Do.	465M (379M)	Empress	...	6	...	...	...	...	...	...
Do.	343M	Galtee More	...	12	...	...	...	...	...	...
Do.	201M	Golden Gem	...	6	...	...	...	...	...	...
Do.	348M	Klondyke	...	V.N.P.	...	...	...	...	...	...
Do.	379M	Lady Brassey	...	Ftd.	...	...	...	...	...	...
Do.	322M	Magnet Gem	...	V.N.P.	...	...	...	...	...	...
Do.	278M	Royal Surprise	...	Ftd.	...	...	...	...	...	...
Do.	359M	St. Albans	...	Abd.	...	...	...	...	...	...
Do.	384M	St. Albans South	...	Abd.	...	...	...	...	...	...
Do.	431M	Viking	...	Abd.	...	...	...	...	...	...
Do.	341M	Warringee	...	12	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
			Total	...	105	2	6	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
18.03	212.22	26,595.85	22,020.34	...	2,961.81	60,136.20	61,250.81	18.03	3,174.03	86,732.05	83,271.15	...	
...	...	32.00	47.20	...	11.40	2.00	19.20	...	11.40	34.00	66.40	1.95	
...	...	17.00	32.45	...	...	...	...	...	...	17.00	32.45	1.90	
...	12.48	4.00	6.31	...	...	...	...	...	12.48	4.00	6.31	1.57	3 17 10½
...	.66	...	...	...	...	...	...	...	.66	...	...	...
...	...	51.00	54.40	...	5.00	...	...	...	5.00	51.00	54.40	1.06	
...	...	11.00	59.58	...	...	...	...	...	...	11.00	59.58	5.41	
...	...	14.00	3.50	...	...	...	...	...	...	14.00	3.50	.25	
...	...	3.25	12.20	...	2.85	...	...	...	2.85	3.25	12.20	3.75	
...	272.55	20.50	49.30	...	...	...	...	...	272.55	20.50	49.30	2.40	
69.50	103.00	52.00	166.67	...	38.35	...	...	69.50	141.35	52.00	166.67	3.20	
...	...	...	...	...	2.05	4.70	13.85	...	2.05	4.70	13.85	2.94	
...	.80	74.00	37.56	...	...	8.00	7.83	...	.80	82.00	45.39	...	
...	...	50.00	70.90	...	...	107.00	132.23	...	...	157.00	203.13	1.29	
...	...	...	...	...	...	112.50	60.08	...	...	112.50	60.08	.53	
...	...	5.00	.50	...	...	...	...	...	...	5.00	.50	...	
...	...	...	...	...	...	13.00	4.15	...	...	13.00	4.15	.31	
...	...	72.00	38.46	...	...	...	...	...	...	72.00	38.46	.53	4 1 6
...	...	419.00	243.67	...	...	101.00	68.46	...	...	520.00	312.13	.60	
...	...	105.50	125.52	...	...	189.00	147.83	...	...	294.50	273.35	.92	
...	...	16.00	21.22	...	29.65	20.00	92.04	...	29.65	36.00	113.26	3.14	
...	...	24.00	12.80	...	...	73.00	190.55	...	...	97.00	203.35	2.09	
...	...	...	...	...	...	22.00	14.18	...	...	22.00	14.18	.64	
...	...	...	...	...	...	36.00	9.79	...	...	36.00	9.79	.27	
...	...	...	...	...	...	45.00	56.20	...	...	45.00	56.20	1.24	
...	...	...	...	...	...	105.00	90.80	...	...	105.00	90.80	.86	
...	...	...	...	...	...	20.75	25.58	...	...	20.75	25.58	1.23	
...	...	23.00	22.09	...	...	25.00	14.25	...	...	48.00	36.34	.75	
...	8.00	106.00	114.85	...	5.50	23.00	19.65	...	13.50	129.00	134.50	...	
87.53	609.71	27,695.10	23,139.52	...	3,056.61	61,043.15	62,217.43	87.53	3,666.32	88,738.25	85,357.00	.96	

TABLE II.—Return of

Yalgoo

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.						
					Milling.			Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	
Bilberatha	75/6, 146, 235...	...	Joker (Yalgoo) G.Ms., Ltd.	V.N.P.	...	...	...	...	...	...	...
Carlaminda	434 (230)	Carlaminda...	...	10	...	...	...	...	...	...	...
Do.	433 (228)	Carlaminda North...	...	10	...	...	...	...	...	...	...
Do.	26/7, 228, 230...	...	Dollar Gold Mines, Ltd.	Abd.	...	...	...	...	...	...	...
Do.	388	Gladstone	...	V.N.P.	...	...	...	...	...	...	...
Do.	9, 85, 233	...	Yalgoo Propy. G.Ms., Ltd.	Surr.	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...
Do.	...	...	Government Public Battery	...	5	...	...	...	...	...	...
Field's Find	114/6, 414, R.C. 17	...	Field's Find G.Ms., Ltd.	42	20	...	...	...	...	...	...
Do.	392	Golden Eagle	...	12	...	...	...	...	...	...	...
Do.	Q.P.P.A. 80	...	Undaunted Battery...	...	3	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...
Gullewa	253	Golden Stream	...	Abd.	...	...	...	...	...	...	...
Do.	59	Lady Elizabeth	...	Ftd.	...	...	...	...	...	...	...
Do.	170/1, 174	...	Monarch G.M. Syndicate	18	...	...	...	...	...	...	...
Do.	6, 7, 34, 53/4, 438(59), R.C. 5	...	Phoenix G.Ms., Ltd. (late Gullewa G.Ms., Ltd.)	42 3 28	10	...	...	...	...	...	...
Do.	73	Shannardor...	...	6	...	...	...	...	...	...	...
Noongal	379	...	Enterprise G.M. Syndicate	V.N.P.	...	...	...	...	...	...	...
Do.	431 (41)	Globe	...	12	...	...	...	...	...	...	...
Do.	229	May Queen...	...	12	...	...	...	...	...	...	...
Do.	382, 406 (231)	...	Melville G.M. Syndicate (late Yalgoo Propy. G.Ms., Ltd.)	36	5	...	...	...	...	...	...
Do.	41	Mystery	...	Ftd.	...	...	...	...	...	...	...
Do.	436	Star of Melville	...	6	...	...	...	...	...	...	...
Do.	231	...	W.A. Venture Syndicate, Ltd.	Abd.	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...
Pinyalling	159	Nyngan	...	V.N.P.	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...
Rothsay	14v, 147/9, 192 3, 209 10, 213, 200, 244, 254, 400	...	Woodley's G.Ms., Ltd.	a. r. p. 162 1 24	20	...	...	...	...	...	...
Wadgingarra	316	Adelaide	...	V.N.P.	...	...	...	...	...	...	...
Do.	199	Carlisle	...	Ftd.	...	...	...	...	...	...	...
Do.	386 (199)	Carlisle	...	6	...	...	...	...	...	...	...
Do.	383	Crescent	...	12	...	...	...	...	...	...	...
Yalgoo	437 (17)	Caledonia	...	12	...	...	...	...	...	...	...
Do.	129, 189, 401	...	Emerald Reward G.M. Co., Ltd.	37	5	h1	6	21	500	...	...
Do.	57	Empire	...	Ftd.	...	...	...	...	...	...	...
Do.	423	Endeavour	...	6	...	...	...	...	...	...	...
Do.	51	Prince George	...	12	...	...	...	...	...	...	...
Do.	261	Queen of Yalgoo	...	V.N.P.	...	...	...	...	...	...	...
Do.	426	Star of Hope	...	V.N.P.	...	...	...	...	...	...	...
Do.	428 (57)	United Kingdom	...	V.N.P.	...	...	...	...	...	...	...
Do.	17	Gullewa Queen	...	Ftd.	...	...	...	...	...	...	...
Do.	425 (261)	Yalgoo Queen	...	Abd.	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...	...
Yuin	421, 430	Golden Standard leases	...	10	...	...	...	...	...	...	...
Do.	409, 410, 427, M.A. 8	Royal Standard leases	...	15	t3	...	...	...	...	...	...
Do.	...	Sundry Parcels treated at Do. do.	Government Public Battery Victorian United Battery (G.M.L. 406)	...	...	...	...	...	...	...	...
Total				...	68	4	6	...	...	...	...

Ore Treated, etc.—continued.

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	554.00	221.52	...	...	554.00	221.52	.39	
...	...	265.00	167.82	...	...	...	...	...	...	265.00	167.82	.63	
...	...	54.00	30.95	...	...	...	...	...	...	54.00	30.95	.57	
...	...	5.85	5.30	...	...	.47	1.14	...	...	6.32	6.44	1.02	
...	...	10.00	2.05	...	...	16.00	16.35	...	...	26.00	18.40	.70	
...	157.00	113.16	...	...	157.00	113.16	.72	
...	...	74.00	60.17	...	...	...	...	...	...	74.00	60.17	...	
...	...	7,913.00	5,774.04	...	...	500.00	390.00	...	...	8,413.00	6,164.04	.73	3 12 11
...	...	127.00	45.93	...	...	...	...	...	...	127.00	45.93	.36	
...	...	45.25	39.02	...	...	...	...	...	...	45.25	39.02	...	
...	10.00	3.60	...	...	10.00	3.60	.36	
...	64.00	5.50	...	...	64.00	5.50	.08	
...	12.00	9.60	...	...	12.00	9.60	.80	
...	3,186.50	3,697.40	...	...	3,186.50	3,697.40	1.16	
...	60.00	90.70	...	...	60.00	90.70	1.51	
...	39.50	15.50	...	...	39.50	15.50	.39	
...	16.50	179.00	175.96	...	...	...	...	...	16.50	179.00	175.96	.98	
...	...	35.00	10.50	...	...	298.00	77.25	...	...	333.00	87.75	.26	
...	...	208.00	106.18	...	...	310.00	221.10	...	...	518.00	327.28	.63	3 16 6
...	174.00	143.70	...	...	174.00	143.70	.82	
...	...	29.00	24.50	...	...	...	...	...	...	29.00	24.50	.84	
...	765.00	491.06	...	...	765.00	491.06	.64	
...	...	163.00	142.01	...	...	20.00	15.50	...	...	183.00	157.51	...	
...	1.00	7.00	...	...	1.00	7.00	7.00	
...	18.00	26.30	...	...	18.00	26.30	...	
...	...	7,325.00	2,320.09	...	...	600.00	198.56	...	...	7,925.00	2,518.65	.31	3 12 3¼
...	10.00	2.03	...	...	10.00	2.03	.20	
...	45.00	21.65	...	...	45.00	21.65	.48	
...	...	43.00	20.28	...	...	...	...	...	...	43.00	20.28	.47	
...	...	98.91	78.59	...	...	12.00	4.80	...	...	110.91	83.39	.75	
...	...	72.00	69.59	...	...	...	...	...	...	72.00	69.59	.96	
...	ey2,424.51	...	...	2,354.00	6,986.03	...	...	2,354.00	9,410.54	3.99	3 17 10½
...	10.00	10.00	...	...	10.00	10.00	1.00	
...	...	95.00	29.65	...	...	...	...	...	...	95.00	29.65	.31	
...	...	198.00	44.14	...	...	...	...	...	...	198.00	44.14	.22	
...	6.00	6.00	...	...	6.00	6.00	1.00	
...	...	23.00	16.66	...	...	...	...	...	...	23.00	16.66	.72	
...	...	48.00	21.13	...	...	...	...	...	...	48.00	21.13	.44	
...	...	257.00	108.00	...	...	360.00	168.60	...	...	617.00	276.60	.44	
...	...	134.50	125.66	...	...	...	...	...	...	134.50	125.66	.93	
...	...	14.00	4.19	...	...	...	...	...	...	14.00	4.19	...	
...	...	161.00	85.95	...	...	5.00	4.22	...	...	166.00	90.17	.54	
...	...	356.00	186.57	...	...	328.00	294.77	...	...	684.00	481.34	.70	3 17 10½
...	609.00	719.00	...	...	609.00	719.00	...	
...	55.00	19.70	...	...	55.00	19.70	...	
...	16.50	17,933.51	12,119.44	...	...	10,579.47	13,981.74	...	16.50	23,512.98	26,101.18	.91	

TABLE II.—Return of

Mount Margaret

MOUNT MALCOLM

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Diorite King ...	535c ...	Blue Gown ...	Diorite King Consols, Ltd.	12	...	...	...	...	...	...
Do. ...	474c ...	Blue Jacket ...	do. do. ...	24	...	...	...	...	...	...
Do. ...	197c ...	Calcutta ...	...	12	...	...	...	...	...	...
Do. ...	438c ...	Chicago East ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	23c, 24c	...	Darlot Exp. Co. of W.A., Ltd.	24	...	...	...	...	...	...
Do. ...	403c	Derby ...	...	Abd.	...	...	...	...	...	...
Do. ...	18c, M.A. 1c	Diorite King ...	Diorite King Consols, Ltd.	12	5	...	...	...	...	...
Do. ...	533c	Golden King ...	...	Wdn.	...	...	...	...	...	...
Do. ...	335c, 528c (418c), 574c (342c), 583c	...	Harquahala G.M. Co.	78	20	...	...	...	...	...
Do. ...	291c, 292c	Middlesex ...	Diorite King Consols, Ltd.	48	10	...	...	...	...	...
Do. ...	720c	Morning Star ...	...	12	...	...	...	...	...	...
Do. ...	547c	Moynalty ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	441c, 442c	Mt. Stirling leases	...	24	10	...	...	...	...	...
Do. ...	439c	Parvo ...	...	Ftd.	...	...	...	...	...	...
Do. ...	599c	Queen of the Hills	...	24	...	...	...	...	...	...
Do. ...	443c	Rose of Tralee ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	433c	Terrible Blow ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	643c (443c)	Werrigan ...	...	24	...	...	...	...	...	...
Do. ...	305c	Wonder ...	...	18	...	...	...	...	...	...
Do. ...	467c	Worcester ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	306c	Young Australian ...	...	Ftd.	...	...	...	...	...	...
Do. ...	623c (306c)	Young Australian ...	...	12	...	...	...	...	...	...
Do. ...	...	Sundry Claims	...	...	...	...	...	...	...	...
Dodgers Well ...	458c	Bung Eye ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	462c	Glen Lyon ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	256c	Great Surprise ...	...	Abd.	...	...	...	...	...	...
Do. ...	521c (256c)	Great Surprise ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	582c	...	Northern Champion G.M. Co., N.L.	24	...	...	...	...	...	...
Do. ...	725c	Sheffield ...	...	12	...	...	...	...	...	...
Leonora ...	679c (503c)	Ashley's United ...	...	6	...	...	...	...	...	...
Do. ...	465c	Clarence ...	...	Ftd.	...	...	...	...	...	...
Do. ...	689c	Clifton Hill ...	...	12	...	...	...	...	...	...
Do. ...	522c	Comet ...	...	Abd.	...	...	...	...	...	...
Do. ...	585c	Croyden ...	...	Ftd.	...	...	...	...	...	...
Do. ...	708c	Fitzgerald's Amalgamated	...	Wdn.	...	...	...	...	...	...
Do. ...	562c	Flanders ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	210c	Forest ...	...	24	...	...	...	...	...	...
Do. ...	546c	Great Boston ...	...	a. r. p. 23 3 3	...	...	...	...	...	...
Do. ...	704c	Grey Lode ...	...	24	...	...	...	...	...	...
Do. ...	558c	Gwalia Gem ...	...	Ftd.	...	...	...	...	...	...
Do. ...	503c	Lady Lena ...	...	Ftd.	...	...	...	...	...	...
Do. ...	520c	Lady Lena North ...	...	12	...	...	...	...	...	...
Do. ...	195c, 196c, 530c	Leonora Gold Blocks	...	60	10	...	...	...	...	...
Do. ...	91/5c, 183c	Mt. George leases	...	129	10	...	...	...	...	...
Do. ...	218c, 219c	...	Octagon Explorers, Ltd.	48	...	...	...	...	...	...
Do. ...	354c	Otterburn ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	618c	Pride of Leonora ...	...	12	...	...	...	...	...	...
Do. ...	649c	Pride of Leonora North ...	...	12	...	...	...	...	...	...
Do. ...	455c	Rajah ...	...	Ftd.	...	...	...	...	...	...
Do. ...	589c	Reliance ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	730c	Richmond ...	...	12	...	...	...	...	...	...
Do. ...	621c	Savanah ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	711c (556c)	Shannon ...	...	12	...	...	...	...	...	...
Do. ...	526c	Sons of Australia ...	...	18	...	...	...	...	...	...
Do. ...	190c, 207c	...	Sons of Gwalia, Ltd.	48	10	4	150	2,500	...	...
Do. ...	263c, 482c	Trump ...	...	36	5	3	15	300	...	...
Do. ...	625c	Turn of the Tide ...	...	5	...	...	...	...	...	...
Do. ...	556c	Waimata ...	...	Ftd.	...	...	...	...	...	...
Do. ...	627c	Wyangle ...	...	6	...	...	...	...	...	...
Do. ...	...	Sundry Claims	...	...	...	...	...	...	...	...
Do. ...	...	Government Public Battery	...	10	...	...	...	...	...	...
Malcolm ...	406c	Deerah ...	...	Ftd.	...	...	...	...	...	...
Do. ...	212c	Dover Castle ...	...	18	...	...	...	...	...	...
Do. ...	722c	Dumbarton ...	...	24	...	...	...	...	...	...
Do. ...	452c	Flying Pig ...	...	12	...	...	...	...	...	...
Do. ...	756c	Golden Crown ...	...	18	...	...	...	...	...	...
			Carried forward	...	90	...	7	...	...	...

Ore Treated, etc.

Goldfield.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	...	24.00	10.60	...	...	211.00	133.90	...	...	235.00	144.50	61			
...	...	5.50	9.50	...	...	73.50	159.15	...	...	79.00	168.65	2.13			
...	...	38.00	69.15	...	...	25.00	23.85	...	...	63.00	93.00	1.47	3	12	6
...	18.00	51.30	...	...	18.00	51.30	2.85			
...	...	65.00	176.42	...	...	100.00	139.46	...	...	165.00	315.88	1.91			
...	20.00	20.28	...	...	20.00	20.28	1.01			
...	614.23	1,781.74	...	...	614.23	1,781.74	2.90			
...	4.80	8.54	...	...	4.80	8.54	1.77			
...	...	1,626.00	803.95	...	355.00	40.75	223.28	...	355.00	1,666.75	1,027.23	.61	3	4	0
...	...	67.00	38.45	...	...	193.00	222.20	...	...	260.00	260.65	1.00			
...	...	32.00	24.73	...	...	...	...	...	...	32.00	24.73	.77			
...	...	21.50	16.70	...	...	475.00	277.00	...	...	496.50	293.70	.59			
...	...	120.00	60.90	...	...	92.00	304.00	...	...	212.00	364.90	1.72			
...	...	81.00	71.18	...	...	...	...	...	...	81.00	71.18	.87			
...	...	77.00	153.00	...	...	...	...	...	...	77.00	153.00	1.98			
...	16.00	36.35	...	...	16.00	36.35	2.27			
...	16.00	38.25	...	...	16.00	38.25	2.39			
...	...	53.50	113.50	...	...	...	...	...	...	53.50	113.50	2.12			
...	...	137.00	95.13	...	58.53	8.75	4,451.00	...	58.53	145.75	4,546.13	...			
...	23.00	18.00	...	...	23.00	18.00	.78			
...	38.90	61.25	...	...	38.90	61.25	1.57			
...	...	75.60	88.30	...	...	...	...	...	...	75.60	88.30	1.16			
...	...	84.50	202.03	...	...	...	...	...	...	84.50	202.03	...			
...	60.00	13.00	30.23	...	60.00	13.00	30.23	2.32			
...	37.00	93.48	...	...	37.00	93.48	2.52			
...	30.00	47.46	...	...	30.00	47.46	1.58			
...	...	22.00	38.71	...	...	...	...	...	...	22.00	38.71	1.76			
...	...	60.50	25.98	...	...	5.00	7.65	...	...	65.50	33.63	.51			
...	...	10.30	15.55	...	...	...	...	...	...	10.30	15.55	1.50			
...	...	15.00	50.48	...	...	...	...	...	...	15.00	50.48	3.36			
...	12.75	9.30	...	...	12.75	9.30	.72			
...	...	10.00	10.27	...	...	...	...	...	...	10.00	10.27	1.02			
...	...	14.50	9.05	...	...	32.50	57.49	...	...	47.00	66.54	1.41			
...	...	182.00	51.26	...	...	...	...	...	...	182.00	51.26	.28			
...	...	50.00	9.15	...	...	...	...	...	...	50.00	9.15	.18			
...	...	23.25	10.40	...	...	...	...	...	...	23.25	10.40	.44			
...	...	461.00	268.45	...	66.25	230.00	870.58	...	66.25	691.00	1,139.03	1.64			
...	...	199.00	73.05	...	...	...	...	...	...	199.00	73.05	.36			
...	...	64.00	19.09	...	...	...	...	...	...	64.00	19.09	.29			
...	...	68.00	35.46	...	...	...	...	...	...	68.00	35.46	.52			
...	24.00	37.40	...	...	24.00	37.40	1.55			
...	...	34.50	44.08	...	...	...	...	...	...	34.50	44.08	1.27			
...	...	2,508.00	3,299.23	...	...	723.00	2,963.93	...	...	3,231.00	6,263.16	1.93	3	5	0
...	25.00	1,989.00	1,877.18	...	...	...	...	...	25.00	1,989.00	1,877.18	.94	3	12	6
...	...	258.00	104.95	...	...	...	...	...	...	258.00	104.95	.40			
...	...	2.50	2.16	...	...	...	...	...	...	2.50	2.16	.86			
...	...	271.00	271.95	...	...	...	...	...	...	271.00	271.95	1.00			
...	...	18.00	6.45	...	...	...	...	...	...	18.00	6.45	.35			
...	18.60	36.95	...	...	18.60	36.95	1.98			
...	...	155.25	89.93	...	...	...	...	...	...	155.25	89.93	.57			
...	...	30.00	34.56	...	...	...	...	...	...	30.00	34.56	1.15			
...	...	121.00	85.98	...	...	...	...	...	...	121.00	85.98	.71			
...	...	78.00	27.29	...	...	...	...	...	...	78.00	27.29	.34			
...	...	314.00	492.57	...	...	43.50	82.15	...	...	357.50	574.72	1.60			
...	...	17,655.00	20,027.89	...	...	19,187.00	22,708.39	...	...	36,842.00	42,736.28	1.16	3	18	3
...	...	469.20	566.39	...	...	481.15	1,804.47	...	...	950.35	2,370.86	2.49	3	10	2
...	...	11.00	3.89	...	...	...	...	...	...	11.00	3.89	.35			
...	15.00	7.47	...	...	15.00	7.47	.49			
...	...	12.50	4.56	...	...	...	...	...	...	12.50	4.56	.36			
...	...	150.25	173.15	...	...	...	...	...	...	150.25	173.15	...			
...			
...	...	63.00	224.90	...	...	40.00	172.60	...	...	103.00	397.50	3.85			
...	...	213.00	204.76	...	...	159.00	208.90	...	...	372.00	413.66	1.11			
...	...	25.00	37.25	...	...	...	...	...	...	25.00	37.25	1.49			
...	...	62.00	189.75	...	...	181.07	395.55	...	...	193.07	585.30	3.03	3	15	2
...	...	52.00	57.20	...	...	...	...	...	...	52.00	57.20	1.10	3	17	0
...	25.00	28,179.35	30,376.51	...	539.78	23,152.50	37,483.55	...	564.78	51,331.85	67,860.06	...			

TABLE II.—Return of
Mount Margaret
MOUNT MALCOLM

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...		90		7			
Malcolm	33c	Golden Prize		Ftd.						
Do.	355c	Golden Sunset		V.N.P.	1					
Do.	568c	Great Barrington		V.N.P.						
Do.	459c	Gwalia Bach		Ftd.						
Do.	576c (146c)	Malcolm Belle		Ftd.						
Do.	593c	Malcolm King		24	5					
Do.	147c	Malcolm Mohr		Ftd.						
Do.	717c		Mt. Malcolm Great Northern, Ltd.	12						
Do.	637c (147c)	Midas		24						
Do.	2c, 3c, 26c		North Star G.Ms., Ltd.	36	10					
Do.	534c	Pig and Whistle		V.N.P.						
Do.	548c	Primrose Day		V.N.P.						
Do.	12c, 634c		Richmond Gem G.M. Co., N.L.	36	10					
Do.	580c	Shotover		V.N.P.						
Do.	596c	South Star		24						
Do.	146c	Sunday		Ftd.						
Do.	617c	Whispering Hope		V.N.P.						
Do.	34c	Windsor Castle		V.N.P.						
Do.		Sundry Claims								
Mertondale	645c	Merton's Consols		12						
Do.	638c, R.C.1c	Merton's Reward		24	20					
Do.	648c	Merton's Reward No. 1 North		24						
Do.	656c	Merton's Reward West		12						
Mt. Flora	751c	All United		12						
Do.	125c, 126c		Australian United G.M. Co., Ltd.	36	10					
Do.	368c	Bow Bells		Ftd.						
Do.	591c	Imperial Extended		Ftd.						
Do.	451c	Imperial Reward		12						
Do.	581c	Lady Ivy		Australian United G.M. Co., Ltd.	24					
Do.	259c	Possible		18						
Do.	710c (368c)	Probable		Australian United G.M. Co., Ltd.	20					
Do.	693c	Robert's Find		12						
Do.	545c	Thelma		V.N.P.						
Do.		Sundry Claims								
Murrin Murrin	563c (240c)	Bendigo New Chum		5						
Do.	88c	Bohemian		Afd.						
Do.	565c (88c)	Bohemian		V.N.P.						
Do.	622c	Estella		6						
Do.	142c, 164c		Golden Prince G.M. Co., N.L.	V.N.P.						
Do.	630c	Hampton		5						
Do.	747c (565c)	Hill End		12						
Do.	78c	Keep-it-Dark		V.N.P.						
Do.	435c	Kilkenny Queen		V.N.P.						
Do.	690c	Kismet		12						
Do.	240c	Leonidas		Ftd.						
Do.	429c	Luckenough		V.N.P.						
Do.	11c, 36c, 38c, 39c		Mt. Malcolm Proprietary G.M. Co., Limited	84	30	8	100	2,000		
Do.	738c	Never Know		5						
Do.	598c	Oakdale		V.N.P.						
Do.	282c	Oaklands		V.N.P.						
Do.	701c	Pearshell		12						
Do.	15c, 361c		Princess Alix G.Ms., Ltd.	30	h1					
Do.	716c	Princess Iris		12						
Do.	532c	Proprietary Extended		12						
Do.	611c	Rainbow		V.N.P.						
Do.	654c (164c)	Rata		5	3	2	4	96		
Do.	724c	Sons of British Empire		12						
Do.	587c	Stanley		V.N.P.						
Do.	172c	Umpire		Abd.						
Do.	58c	Victorian		18						
Do.		Sundry Claims								
			Carried forward ...		178	2	17			

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	25·00	28,179·35	30,376·51	...	539·78	23,152·50	37,483·55	...	564·78	51,331·85	67,860·06	...			
...	17·00	21·97	...	...	17·00	21·97	1·29			
...	...	15·00	18·00	...	...	186·05	334·07	...	...	201·05	352·07	1·75	3	15	0
...	19·00	8·65	...	...	19·00	8·65	·45			
...	40·00	59·40	...	...	40·00	59·40	1·48			
...	...	79·00	71·58	...	...	54·00	52·20	...	...	133·00	123·78	·93			
...	...	24·00	4·05	...	...	...	...	...	...	24·00	4·05	·16			
...	373·50	262·91	...	...	373·50	262·91	·70			
...	...	50·00	23·00	...	...	...	...	...	...	50·00	23·00	·46			
...	...	433·00	559·26	...	...	...	...	...	...	433·00	559·26	1·29	3	17	10
...	...	638·00	706·40	...	...	4,579·75	4,691·16	...	...	5,217·75	5,397·56	1·03	3	15	0
...	36·00	43·10	...	...	36·00	43·10	1·19			
...	...	17·00	23·30	...	...	13·00	31·55	...	...	30·00	54·85	1·82			
...	...	768·00	{ 793·94 pl. 42·50 }	...	...	1,079·00	1,284·26	...	...	1,847·00	2,120·70	1·14	3	16	0
...	...	10·00	5·10	...	...	...	...	...	...	10·00	5·10	·51			
...	...	59·00	76·60	...	...	74·00	69·50	...	...	133·00	146·10	1·09			
...	28·00	32·93	...	...	28·00	32·93	1·17			
...	...	53·00	44·28	...	...	21·00	16·92	...	...	74·00	61·20	·82			
...	...	34·00	29·50	...	...	...	...	...	...	34·00	29·50	·86			
...	...	6·00	12·71	...	...	44·00	61·99	...	...	50·00	74·70	...			
...	...	23·00	77·75	...	...	...	...	...	...	23·00	77·75	3·38			
...	...	996·50	3,306·90	...	...	...	...	...	...	996·50	3,306·90	3·31			
...	...	69·00	82·68	...	...	...	...	...	...	69·00	82·68	1·19			
...	...	11·50	17·50	...	...	...	...	...	...	11·50	17·50	1·52			
...	...	18·00	46·70	...	...	...	...	...	...	18·00	46·70	2·59			
...	...	1,275·00	1,695·51	...	...	2,968·00	6,776·05	...	...	4,243·00	8,471·56	1·99			
...	24·00	52·40	...	...	24·00	52·40	2·18			
...	9·00	3·75	...	...	9·00	3·75	·41			
...	...	90·00	222·55	...	...	256·00	831·10	...	...	346·00	1,053·65	3·04			
...	...	193·00	623·05	...	...	199·00	662·25	...	...	392·00	1,285·30	3·27			
...	7·45	70·00	48·63	...	1,800·00	101·00	445·26	...	1,807·45	171·00	493·89	2·88			
...	...	25·00	22·50	...	...	...	...	...	...	25·00	22·50	·90			
...	15·34	...	...	...	...	...	...	...	15·34	...	...	...
...	17·00	31·84	...	...	17·00	31·84	1·87			
...	...	66·00	38·96	...	...	...	...	...	...	66·00	38·96	...			
...	...	82·50	189·18	...	...	26·00	37·00	...	...	108·50	226·18	2·08			
...	5·00	11·40	...	...	5·00	11·40	2·28			
...	...	15·00	7·50	...	...	...	...	...	...	15·00	7·50	·50			
...	...	173·00	205·45	...	...	...	...	...	...	173·00	205·45	1·18			
...	304·00	154·84	...	...	304·00	154·84	·50			
...	1·50	36·00	87·00	...	...	...	...	...	1·50	36·00	87·00	2·41			
...	...	18·50	24·05	...	...	...	...	...	...	18·50	24·05	1·30			
...	15·00	442·40	...	...	15·00	442·40	...			
...	15·00	...	...	...	15·00	...	...	...
...	...	48·00	190·05	...	...	...	...	...	...	48·00	190·05	3·95			
...	27·92	74·07	...	...	27·92	74·07	2·65			
...	...	27·00	22·81	...	...	6·00	12·50	...	...	33·00	35·31	1·07			
...	...	18,469·50	9,181·13	...	...	7,875·00	7,954·81	...	...	26,344·50	17,135·94	·65	3	11	6½
...	40·00	...	...	...	...	...	...	...	40·00	...	...	...
...	5·00	5·00	...	...	5·00	5·00	1·00			
...	18·00	10·80	...	...	18·00	10·80	·60			
...	...	25·00	13·15	...	...	...	...	...	...	25·00	13·15	·52			
...	...	484·00	524·95	...	...	440·00	455·20	...	...	924·00	980·15	1·06			
...	...	40·00	26·55	...	...	...	...	...	...	40·00	26·55	·66			
...	...	111·00	90·40	...	...	...	...	...	...	111·00	90·40	·81			
...	...	5·50	13·80	...	...	...	...	...	...	5·50	13·80	2·50			
...	...	57·00	63·91	...	...	...	...	...	...	57·00	63·91	1·12			
...	...	12·00	1·25	...	...	...	...	...	...	12·00	1·25	·10			
...	...	10·00	16·00	...	...	...	...	...	...	10·00	16·00	1·60			
...	...	20·00	44·55	...	...	13·00	65·00	...	...	33·00	109·55	3·32			
...	...	209·00	124·05	...	...	91·00	313·30	...	...	300·00	437·35	1·45			
...	...	67·25	118·06	...	...	...	...	...	...	67·25	118·06	...			
...	89·29	53,112·60	49,913·30	...	2,354·78	42,116·72	62,793·13	...	2,444·07	95,229·32	112,706·43	...			

TABLE II.—Return of
Mount Margaret
MOUNT MALCOLM

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward	...	178	2	17	Tons.	Tons.	...
Randwick	632c (201c, 486c)	Anaconda Gold Reefs	...	12	...	...	...	...	...	...
Do.	52c, 53c	...	Arrow Brown Hill G.M. Co., Limited	24	10	...	...	...	...	...
Do.	127c	Black Chief	...	Ftd.	...	...	...	...	...	...
Do.	201c	...	Sir Holled Smith G.M. Co., N.J.	V.N.P.	...	...	...	...	...	...
Do.	227c	East Lynne	...	24	...	...	...	...	...	...
Do.	449c	English and Scottish	...	Ftd.	...	...	...	...	...	...
Do.	705c (449c)	English and Scottish	...	9	...	...	...	...	...	...
Do.	639c	Murial	...	12	...	...	...	...	...	...
Do.	629c	Nevertire	...	6	...	...	...	...	...	...
Do.	636c	New Era	...	24	...	...	...	...	...	...
Do.	364c	Queen Mary	...	V.N.P.	...	...	...	...	...	...
Do.	511c	Randwick	...	Abd.	...	...	...	...	...	...
Do.	706c	Typhon	...	Wdn.	...	...	...	...	...	...
Do.	486c (127c)	White Chief	...	Ftd.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Webster's	626c	Brilliant	...	12	...	...	...	...	...	...
Do.	75c	Federal No. 1	...	V.N.P.	...	...	...	...	...	...
Do.	635c	Lighthouse Extended	...	12	...	...	...	...	...	...
Do.	676c	May Queen...	...	12	...	...	...	...	...	...
Do.	488c	Myall King	...	Ftd.	...	...	...	...	...	...
Do.	385c	Pride of the North	...	V.N.P.	...	...	...	...	...	...
Do.	258c	Triumph	...	24	...	...	...	...	...	...
Do.	65c, 66c, 115c, 515c	...	Webster's Find, Ltd.	68	10	...	...	...	...	...
Do.	...	Sundry Claims From District generally Notices of Purchase	...	...	...	...	...	...	...	...
			Total	...	198	2	17	...	...	...

MOUNT MARGARET

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
British Flag	790T	Ajax	...	Ftd.	...	...	...	Tons.	Tons.	...
Do.	828T (790T)	Ajax	...	12	...	...	...	...	...	...
Do.	371T, 777T	Augusta leases	Menzies Golden Rhine Gold Mines of W.A., Limited	48	...	...	...	...	...	...
Do.	723T	British Admiral	...	V.N.P.	...	...	...	...	...	...
Do.	358T	British Flag	...	V.N.P.	...	...	...	...	...	...
Do.	592T	...	Craggiemore Proprietary Ltd.	24	10	...	...	...	...	...
Do.	825T	Dream	...	12	...	...	...	...	...	...
Do.	453T	Enniskillen...	...	V.N.P.	...	...	...	...	...	...
Do.	785T	Euro	...	6	...	...	...	...	...	...
Do.	779T	Euro South Central	...	6	...	...	...	...	...	...
Do.	813T	Golden Pinnacle	...	Abd.	...	...	...	...	...	...
Do.	563T	Great Britain	...	V.N.P.	...	...	...	...	...	...
Do.	829T	Ida H.	...	24	...	...	...	...	...	...
Do.	713T	Lancefield	...	Abd.	...	...	...	...	...	...
Do.	806T (713T), M.A. 7T	Lancefield	...	24	10	5	18	360	...	...
Do.	929T	Lloyds	...	24	...	...	...	...	...	...
Do.	793T	Kiora	...	Ftd.	...	...	...	...	...	...
Do.	...	Sundry claims	...	...	...	...	...	...	...	...
Erlistoun	725T	Baneygo North	...	24	...	...	...	...	...	...
Do.	754T	Crescent	...	Ftd.	...	...	...	...	...	...
Do.	720T	Earlston North-West	...	12	...	...	...	...	...	...
Do.	543T	Earlstone Proprietary	...	V.N.P.	3	...	...	...	...	...
			Carried forward	...	23	5	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	89·29	53,112·60	49,913·30	...	2,354·78	42,116·72	62,793·13	...	2,444·07	95,229·32	112,706·43	...	
...	...	23·00	64·61	...	...	...	...	...	...	23·00	64·61	2·80	
...	...	1,252·00	760·60	...	...	860·00	617·80	...	...	2,112·00	1,378·40	·65	
...	...	55·00	41·03	...	...	8·40	14·58	...	...	63·40	55·61	·87	
...	9·00	10·25	...	...	9·00	10·25	1·13	
...	...	158·00	287·23	...	1·00	60·04	268·77	...	1·00	218·04	556·00	2·55	
...	32·00	74·55	...	...	32·00	74·55	2·33	
...	...	33·00	85·55	...	...	...	...	...	...	33·00	85·55	2·59	
...	...	130·00	251·26	...	...	...	...	...	...	130·00	251·26	1·93	
...	325·00	23·00	996·40	...	...	...	...	...	325·00	23·00	996·40	...	
...	...	39·00	24·60	...	...	...	...	...	...	39·00	24·60	·63	
...	...	15·00	7·45	...	...	31·00	45·91	...	...	46·00	53·36	1·16	
...	91·00	114·25	...	...	91·00	114·25	1·25	
...	...	20·00	6·15	...	...	...	...	...	...	20·00	6·15	·30	
...	32·00	30·50	...	...	32·00	30·50	·95	
...	...	35·00	18·65	...	...	15·00	7·00	...	...	50·00	25·65	·51	
...	...	37·75	5·10	...	...	...	...	...	...	37·75	5·10	·13	
...	7·00	10·30	...	...	7·00	10·30	1·47	
...	...	15·00	4·40	...	...	...	...	...	...	15·00	4·40	·29	
...	...	73·00	62·30	...	...	...	...	...	...	73·00	62·30	·85	
...	...	24·00	17·20	...	...	12·00	17·11	...	...	36·00	34·31	·95	
...	5·30	54·00	...	...	5·30	54·00	...	
...	...	33·50	33·00	...	...	...	...	...	...	33·50	33·00	·98	
...	...	2,072·00	2,070·97	...	...	1,977·00	922·70	...	...	4,049·00	2,993·67	·73	3 13 9½
...	...	222·50	188·05	...	...	...	...	...	...	222·50	188·05	...	
...	1,264·09	...	...	...	1,264·09	...	...	...	...
307·53	29·54	...	...	...	...	...	...	307·53	29·54	...	...	...
307·53	443·83	57,373·35	54,837·85	1,264·09	2,355·78	45,256·46	64,980·85	1,571·62	2,799·61	102,629·81	119,818·70	1·16	

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	52·00	44·30	...	...	52·00	44·30	·85	
...	...	5·00	18·85	...	...	...	...	...	...	5·00	18·85	3·77	
...	...	1,774·00	2,132·56	...	...	441·50	1,351·51	...	...	2,215·50	3,484·07	1·50	
...	10·00	20·20	...	...	10·00	20·20	2·02	
...	300·00	78·00	255·85	...	300·00	78·00	255·85	3·28	
...	...	1,020·00	359·03	...	...	215·00	201·85	...	...	1,235·00	560·88	·45	3 10 2
...	157·35	25·00	90·18	...	...	...	...	...	157·35	25·00	90·18	3·60	
...	16·00	9·00	...	...	16·00	9·00	·56	
...	...	195·00	411·50	...	...	143·00	280·05	...	...	338·00	691·55	2·04	
...	118·00	171·15	...	...	118·00	171·15	1·45	
...	12·00	6·00	...	...	12·00	6·00	·50	
...	10·00	10·10	...	...	10·00	10·10	1·01	
...	...	81·00	263·62	...	...	...	...	...	...	81·00	263·62	3·25	
...	...	342·00	149·03	...	...	...	...	...	...	342·00	149·03	·43	
...	...	5,768·00	2,136·40	...	...	...	...	...	...	5,768·00	2,136·40	·37	3 16 6
...	...	21·00	12·38	...	...	...	...	...	...	21·00	12·38	·58	
...	...	36·00	62·50	...	...	50·00	52·30	...	...	86·00	114·80	1·33	
...	...	28·00	27·30	...	...	...	...	...	...	28·00	27·30	...	
...	...	100·00	290·00	...	...	14·00	14·00	...	...	114·00	304·00	2·66	
...	50·15	4·00	22·00	...	50·15	4·00	22·00	5·50	
...	71·00	149·10	...	...	71·00	149·10	2·10	
...	80·00	92·20	...	...	80·00	92·20	1·15	
...	157·35	9,395·00	5,953·35	...	350·15	1,314·50	2,679·61	...	507·50	10,709·50	8,632·96	...	

TABLE II.—Return of
Mount Margaret
MOUNT MARGARET

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward	...	23	...	5	...	...	...
Erlistoun	762T	Gladys	...	Abd.	...	...	...	...	...	...
Do.	732T	Golden Boulder	...	V.N.P.	...	...	...	...	...	...
Do.	726T	Idaho	...	24	...	...	...	...	...	...
Do.	797T	King of the Erlistoun	...	Ftd.	...	...	...	...	...	...
Do.	771T	Little Doris	...	24	...	...	...	...	...	...
Do.	796T	Mistake	...	24	5	...	...	...	...	...
Do.	795T	Mistake North	...	24	...	...	...	...	...	...
Do.	733T	Sydney Mint	...	V.N.P.	...	...	...	...	...	...
Do.	976T	Two Jims	...	12	...	...	...	...	...	...
Do.	...	Sundry claims	...	...	...	...	...	...	...	...
Hawk's Nest	3T	Eagle's Nest	...	12	10	...	...	...	...	...
Do.	610T	Leap Year	...	Ftd.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Korong	593T (388T)	Alicia	...	Abd.	...	...	...	...	...	...
Do.	755T	Corona Broken Hill	...	24	...	...	...	...	...	...
Do.	461T	Korong No. 461	...	24	...	...	...	...	...	...
Mt. Barnicoat	475T, 660T, 718T, 722T, 772T	...	Menzies Golden Rhine G. Ms., W.A., Ltd.	96	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Mt. Margaret	249T	...	Golden Cliffs, Ltd.	Ftd.	...	...	...	...	...	...
Do.	35T, M.A. 1T	Mt. Margaret Reward	...	a. r. p. 19 1 15	10	...	...	...	...	...
Do.	23T, 242T	...	Pride of Mt. Margaret, Ltd.	24	...	...	...	...	...	...
Do.	688T	Rosie Lidington	...	V.N.P.	...	...	...	...	...	...
Do.	717T	Terlinga	...	V.N.P.	...	...	...	...	...	...
Mt. Morgans	326T	Big Phoenix	...	24	10	4	60	600	...	...
Do.	794T	Bravo	...	Abd.	...	...	...	...	...	...
Do.	992T	Referendum	...	24	...	...	...	...	...	...
Do.	321T	...	Westralia, Mt. Morgans, G.Ms. Co., Ltd.	24	20	t2	{ 1 50 } { 1 150 }	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Mt. Weld	940T	Black Swan	...	24	...	...	...	...	...	...
Do.	1019T	Bond's Find	...	18	...	...	...	...	...	...
Do.	761T	Childe Harold	...	24	...	...	...	...	...	...
Do.	271T	Edinborough Castle	...	V.N.P.	...	...	...	...	...	...
Do.	811T	Edinboro' Castle	...	12	8	...	...	...	...	...
Do.	841T	Edith Hope	...	12	...	...	...	...	...	...
Do.	801T	Golden Ring	...	12	...	...	...	...	...	...
Do.	673T	Mt. Weld	...	18	5	...	...	...	...	...
Do.	833T	Mt. Wilga Proprietary	...	12	...	...	...	...	...	...
Do.	760T	Nil Desperandum	...	V.N.P.	...	...	...	...	...	...
Do.	1044T	Nil Desperandum	...	24	...	...	...	...	...	...
Do.	478T	Queen of North Extd.	...	V.N.P.	...	...	...	...	...	...
Do.	781T	Sailor Prince	...	12	...	...	...	...	...	...
Do.	934T	Sons of Westralia	...	24	...	...	...	...	...	...
Do.	853T	Surprise	...	12	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Quartz Hill	933T	Cymio	...	Abd.	...	...	...	...	...	...
Redcastle	171T	Aeltunga	...	24	10	...	...	...	...	...
Do.	927T	Bellbird	...	12	...	...	...	...	...	...
Do.	476T	Eversleigh	...	Abd.	...	...	...	...	...	...
Do.	868T (38T)	Redcastle	...	12	...	...	...	...	...	...
Do.	38T, 751T	Redcastle leases	...	Ftd.	...	...	...	...	...	...
Do.	870T	Redcastle West Extd.	...	12	...	...	...	...	...	...
Do.	775T	Waverley	...	5	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Do.	...	Notices of Purchase	...	...	...	...	...	...	...	...
			Total	...	101	2	11	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	157.35	9,395.00	5,953.35	...	350.15	1,314.50	2,679.61	...	507.50	10,709.50	8,632.96	...	...	...	...
...	42.25	78.65	...	...	42.25	78.65	1.86	...	...	...
...	23.00	61.04	...	...	23.00	61.04	2.65	...	...	...
...	...	65.00	75.00	...	...	32.00	59.76	...	...	97.00	134.76	1.38	...	...	...
...	...	90.00	67.50	...	...	14.00	20.00	...	...	104.00	87.50	.84	...	...	...
...	...	100.00	147.75	...	...	60.00	153.77	...	...	160.00	301.52	1.88	...	...	...
...	...	220.00	167.00	...	...	...	...	...	...	220.00	167.00	.75	3	16	11
...	...	293.00	219.78	...	...	...	...	...	...	293.00	249.78	.85	...	...	...
...	13.00	34.00	...	...	13.00	34.00	2.61	...	...	...
...	...	8.00	25.56	...	...	...	...	...	...	8.00	25.56	3.19	...	...	...
...	...	60.00	95.00	...	...	20.00	18.77	...	...	80.00	113.77	...	...	...	...
...	100.00	5.00	...	...	100.00	5.00	.05	...	...	...
...	231.00	250.55	...	...	231.00	250.55	1.08	...	...	...
...	...	55.00	47.27	...	...	...	...	...	...	55.00	47.27	...	...	...	...
...	53.50	86.86	...	...	53.50	86.86	1.62	...	...	...
...	43.00	82.32	...	...	43.00	82.32	1.91	...	...	...
20.55	...	21.00	93.00	...	...	39.00	121.36	20.55	...	60.00	214.36	3.57	...	...	...
...	...	574.00	293.63	...	...	78.00	106.15	...	...	652.00	399.78	.61	...	...	...
...	23.00	25.50	...	...	23.00	25.50	...	...	...	...
...	150.00	5.00	...	...	150.00	5.00	.03	...	...	...
...	...	75.00	50.99	...	...	1,006.00	753.77	...	...	1,081.00	804.76	.74	...	...	...
...	...	10.00	10.00	...	...	90.00	54.42	...	...	100.00	64.42	.64	...	...	...
...	25.00	31.75	...	...	25.00	31.75	1.27	...	...	...
...	...	25.00	31.45	...	...	43.00	69.25	...	...	68.00	100.70	1.48	...	...	...
...	60.00	127.60	...	...	60.00	127.60	2.12	...	...	...
...	...	10.00	7.50	...	...	...	...	...	...	10.00	7.50	.75	...	...	...
...	...	20.00	33.95	...	...	...	...	...	...	20.00	33.95	1.69	...	...	...
...	...	5,532.00	12,490.95	...	...	1,730.00	2,046.18	...	...	7,262.00	15,715.33	2.16	3	14	2½
...	11,178.20	...	...	10.00	7.50	...	...	10.00	7.50	...	...	...	...
...	...	37.00	120.00	...	...	...	...	...	...	37.00	120.00	3.24	...	...	...
...	...	11.50	38.12	...	...	...	...	...	...	11.50	38.12	3.31	...	...	...
...	4.25	2.20	...	...	4.25	2.20	.51	...	...	...
...	...	28.00	114.00	...	...	182.00	443.90	...	...	210.00	557.90	2.65	...	...	...
...	...	126.00	302.29	...	...	...	...	...	...	126.00	302.29	2.39	3	17	6
...	...	25.00	18.75	...	...	...	...	...	...	25.00	18.75	.75	...	...	...
...	...	178.50	582.03	...	...	68.00	617.50	...	...	246.50	1,199.53	4.86	...	...	...
...	...	18.00	9.00	...	...	49.00	27.00	...	...	67.00	36.00	.53	...	...	...
...	...	45.00	120.25	...	...	...	...	...	...	45.00	120.25	2.67	...	...	...
...	15.00	15.50	...	...	15.00	15.50	1.03	...	...	...
...	...	6.50	37.42	...	...	...	...	...	...	6.50	37.42	5.75	...	...	...
...	60.00	152.50	...	...	60.00	152.50	2.54	...	...	...
...	...	874.00	1,310.70	...	...	67.00	145.50	...	...	941.00	1,456.20	1.54	...	...	...
...	...	35.00	210.00	...	...	...	...	...	...	35.00	210.00	6.00	...	...	...
...	...	5.50	3.55	...	...	...	...	...	...	5.50	3.55	.64	...	...	...
...	...	88.00	140.15	...	...	10.00	7.00	...	...	98.00	147.15	...	...	...	...
...	...	10.00	4.32	...	...	...	...	...	...	10.00	4.32	.43	...	...	...
...	9.00	9.63	...	...	9.00	9.63	1.07	...	...	...
...	...	51.00	14.80	...	...	...	...	...	...	51.00	14.80	.29	...	...	...
...95	36.80	...	...	.95	36.80	...	...	...	...
...	...	58.00	34.70	...	...	...	...	...	...	58.00	34.70	.59	...	...	...
...	4.50	9.75	...	...	4.50	9.75	2.16	...	...	...
...	...	27.00	42.00	...	...	...	...	...	...	27.00	42.00	1.55	...	...	...
...	...	36.00	19.68	...	...	...	...	...	...	36.00	19.68	.54	...	...	...
...	10.00	5.00	...	...	10.00	5.00	...	...	...	...
16.97	16.97	...	...	...	...	...	...	...
37.52	157.35	18,213.00	24,139.64	...	350.15	5,679.95	3,351.09	37.52	507.50	23,892.95	32,490.73	1.35	...	...	...

TABLE II.—Return of
North Coolgardie
MENZIES

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Comet Vale ...	3125/6z, 4872z	...	Lady Margaret G.M. Co., Ltd.	54	10					
Do. ...	4893/4z	Long Tunnel leases	...	a. r. p.	25 3 4					
Goongarrrie ...	4891z	Caledonian	...	5	10					
Do. ...	4213z	Cicero	...	V.N.P.						
Do. ...	2776z	Consuelo	...	V.N.P.						
Do. ...	4782z	Duke of York	...	V.N.P.						
Do. ...	2809z	Featherstonhaugh	...	6						
Do. ...	4858z	Four-Mile Blow	...	V.N.P.						
Do. ...	2728z, 3480/1z	...	Goongarrrie Goldfields, Ltd.	36	20					
Do. ...	2731/2z, 2751z, 2756z, 3636z	...	Hicks' G.Ms., Ltd.	V.N.P.						
Do. ...	4902/3z	...	Phoenix G.Ms., Ltd. (late Hicks' G.Ms. Ltd.)	29	10					
Do. ...	2736z, 3185z, 3382/3z, 3951z, 4869z	...	Lady Montefiore United G.Ms., Ltd.	62						
Do. ...	2809z, 4797z	...	Mimosa G.Ms., Ltd.	12	5					
Do. ...	2763z	...	Ninety Mile Goongarrrie Con- solidated G.M., Ltd.	V.N.P.						
Do. ...	2734z, 2759z, 2760z, 2779z, 2785z	...	Ninety Mile Proprietary G. Ms., Ltd.	V.N.P.						
Do. ...	4925z	Proprietary	...	10						
Do. ...	4919z	Seldom Seen	...	6						
Do. ...	4847z	Star of Goongarrrie	...	V.N.P.						
Do. ...	3459z	...	Whitfield's Menzies G.M. Syndicate, N.L.	V.N.P.						
Menzies ...	3378z	Adelaide	...	V.N.P.						
Do. ...	3034z	Africander	...	12						
Do. ...	4918z	Alexandra	...	6						
Do. ...	4007z	Ancient Briton Extended	...	V.N.P.						
Do. ...	4873z	Athelstane	...	Ftd.						
Do. ...	4691z	...	Barunga G.M. and Prospect- ing Syndicate, Ltd.	V.N.P.						
Do. ...	4911z	Brilliant	...	12						
Do. ...	4850z	Britannia	...	V.N.P.						
Do. ...	4879z (3963z)	Black Jack	...	6						
Do. ...	4912z (4860z)	Crown Cross	...	12						
Do. ...	4061z	Daisy Bell	...	V.N.P.						
Do. ...	4885z	Federal	...	Abd.						
Do. ...	2821z	...	Florence G.Ms., Limited	a. r. p. 18 1 9	10					
Do. ...	4849z	Gem Extended	...	V.N.P.						
Do. ...	4916z (3036z)	Gift	...	6						
Do. ...	4855z	Goodenough	...	24	3					
Do. ...	4861z	Golden Shoe	...	V.N.P.						
Do. ...	4907z	Golden Star	...	Abd.						
Do. ...	4853z	Great Klondyke	...	V.N.P.						
Do. ...	4921z	Indus	...	5						
Do. ...	4899z	Industrie	...	6						
Do. ...	4878z	Jingellie	...	V.N.P.						
Do. ...	4886z	Just in Time	...	V.N.P.						
Do. ...	4819z	Kensington Sunday Gift	...	V.N.P.						
Do. ...	3615z	...	Kensington Vindicator G.M. Co., N.L.	Ftd.						
Do. ...	3482z	Kurrajong	...	V.N.P.						
Do. ...	2822z	Lady Harriet	...	24						
Do. ...	4867z	Lady Isabel	...	V.N.P.						
Do. ...	3963z	Lady Main	...	Ftd.						
Do. ...	4917z (4890z)	Lady Min	...	12						
Do. ...	2820z, 3006z	...	Lady Shenton G.M. Ltd.	a. r. p. 36 0 12	33					
Do. ...	3116z, 3118z	...	London and Coolgardie Ex- plorers, Limited	24 2 19						
Do. ...	4914z	Maori Chief	...	12						
Do. ...	3059z, 3119z, 3120z	...	Maori Gold Mines, Limited	Ftd.						
			Carried forward		101					

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	...	3,239'00	1,649'00	...	...	72'90	53'15	...	...	3,311'90	1,702'15	'51	3	12	0
...	...	290'05	372'66	...	...	...	...	...	...	290'05	372'66	1'28	3	10	0
...	240'00	123'00	69'06	...	...	...	...	...	240'00	123'00	69'06	'56	3	18	0
...	145'00	36'06	...	...	145'00	36'06	'24			
...	6'00	4'25	...	...	6'00	4'25	'70			
...	10'00	11'50	...	...	10'00	11'50	1'15			
...	68'00	109'00	...	...	68'00	109'00	1'60			
...	100'00	36'60	...	...	100'00	36'60	'36			
...	p1175'67	...	...	3,595'00	1,881'70	...	...	3,595'00	2,057'37	'57			
...	946'00	1,028'23	...	...	946'00	1,028'23	1'08			
...	...	171'00	119'67	...	...	...	...	...	...	171'00	119'67	'69	3	13	8
...	...	83'00	31'85	...	...	141'00	688'03	...	...	224'00	719'88	3'21			
...	220'50	43'35	...	...	220'50	43'35	'19			
...	339'00	77'00	...	...	339'00	77'00	'22			
...	2,894'00	1,768'99	...	...	2,894'00	1,768'99	'61			
...	...	14'00	18'42	...	...	...	...	...	...	14'00	18'42	1'31			
...	22'00	...	...	...	...	...	...	...	22'00	...	...	...
...	14'00	24'00	...	...	14'00	24'00	1'71			
...	20'00	10'63	...	...	20'00	10'63	'53			
...	...	13'50	20'42	...	...	...	...	...	...	13'50	20'42	1'51			
...	...	169'00	255'51	...	...	20'00	41'75	...	...	189'00	297'26	1'57			
...	...	15'00	21'13	...	...	...	...	...	...	15'00	21'13	1'40	3	17	4½
...	26'00	24'16	...	...	26'00	24'16	'92			
...	...	96'00	38'99	...	...	362'00	204'83	...	...	458'00	243'82	'53			
...	23'00	22'32	...	...	23'00	22'32	'97			
...	...	13'00	10'06	...	...	...	...	...	...	13'00	10'06	'77			
...	8'00	3'19	...	...	8'00	3'19	'39			
...	...	190'00	340'28	...	...	50'00	110'18	...	...	240'00	450'46	1'87	3	18	6
...	...	60'00	188'40	...	...	234'00	214'53	...	...	294'00	402'93	1'37	3	12	3
...	72'00	81'10	...	...	72'00	81'10	1'12			
...	44'00	59'75	...	...	44'00	59'75	1'35			
...	...	1,205'00	796'95	...	...	485'00	1,210'25	...	...	1,690'00	2,164'20	1'28	3	15	0
...	...	(pt 157'00 )	( )	...	...	...	...	...	...	...	...	...
...	...	19'50	9'70	...	...	104'00	52'50	...	...	123'50	62'20	'50			
...	...	10'00	6'40	...	...	...	...	...	...	10'00	6'40	'64			
...	...	390'55	672'25	...	...	292'50	469'75	...	...	683'05	1,142'00	1'67			
...	44'00	59'70	...	...	44'00	59'70	1'35			
...	...	19'00	16'83	...	...	...	...	...	...	19'00	16'83	'88			
...	16'80	44'10	...	...	16'80	44'10	2'62			
...	...	16'00	3'29	...	...	...	...	...	...	16'00	3'29	'20			
...	...	44'80	17'80	...	...	...	...	...	...	44'80	17'80	'39			
...	42'00	33'45	...	...	42'00	33'45	'79			
...	24'00	13'99	...	...	24'00	13'99	'58			
...	26'00	33'20	...	...	26'00	33'20	1'27			
...	...	7'00	2'50	...	...	26'00	53'00	...	...	33'00	55'50	1'68			
...	5'00	11'00	...	...	5'00	11'00	2'20			
...	...	334'00	331'26	...	...	613'00	855'30	...	...	947'00	1,186'56	1'25	3	12	0
...	74'00	70'90	...	...	74'00	70'90	'95			
...	95'00	134'50	...	...	95'00	134'50	1'41			
...	...	5'00	11'80	...	...	...	...	...	...	5'00	11'80	2'36			
...	...	13,779'00	21,794'48	...	...	13,909'00	47,306'60	...	...	27,688'00	70,044'58	2'52	3	13	0
...	...	(pt 943'50 )	( )	...	...	...	...	...	...	...	...	...
...	...	204'50	179'37	...	...	110'00	238'40	...	...	314'50	417'77	1'32			
...	...	7'00	11'04	...	...	...	...	...	...	7'00	11'04	1'57			
...	571'00	775'46	...	...	571'00	775'46	1'35			
...	262'00	20,517'90	28,265'29	...	...	258,47'70	57,896'40	...	262'00	46,365'60	86,161'69	...			

TABLE II.—Return of

North Coolgardie

MENZIES

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward	...	10	...	...	Tons.	Tons.	...
Menzies	4895z ...	Maranora (late Hidden Treasure)	...	6	...	...	...	...	...	...
Do.	3744z, 3820z ...	...	McClay's Welcome G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...
Do.	2826z, 2828/9z, 3050/1z, 3055/6z	...	Menzies, Limited	a. r. p. 71 3 1	...	...	...	...	...	...
Do.	3011z, 3031z ...	...	Menzies Alpha Leases, Ltd.	43 1 21	...	...	...	...	...	...
Do.	3024z, 3113z, 3123z, 3295z, 3335z, 3412/3z, 4843z, 4880/2z	...	Menzies Consolidated G.Ms., Limited	174	20	7	40	1,000	...	...
Do.	2823z, 3009z ...	...	Menzies Crusoe Gold Claims, Ltd.	44	10	3	40	500	...	...
Do.	3036z ...	...	Menzies Gift G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...
Do.	2830z ...	...	Menzies Golden Age Mine, Ltd.	16	...	...	...	...	...	...
Do.	3042z, 3046z, 3054z	...	Menzies Gold Estates, Ltd.	54	10	...	...	...	...	...
Do.	2824/5z, 2841/2z, 3016z, 3074z, 3722z	...	Menzies Gold Reefs Propy., Ltd.	a. r. p. 91 2 16	20	3	40	500	...	...
Do.	3277z, 4457z, 4751z, 4866z	...	Menzies Kensington G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...
Do.	4750z ...	...	Menzies Kensington East G.M. Co., N.L.	Ftd.	...	...	...	...	...	...
Do.	3121z ...	...	Menzies Lady Mary G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...
Do.	2835z, 3806z, 3914z, 4064z	...	Menzies Lady Sherry G.M. Co., N.L.	a. r. p. 46 0 28	...	...	...	...	...	...
Do.	4897z ...	Menzies Main Reef	...	Abd.	...	...	...	...	...	...
Do.	2832z, 2843/4z, 3089z, 3098z, 3100z, 3106z, 3138z, 3148z,	...	Menzies Mining and Explora- tion Corporation, Ltd.	a. r. p. 136 0 35	10	4	20	160	...	...
Do.	3345z ...	Menzies United	...	V.N.P.	...	...	...	...	...	...
Do.	3149z, 3150/3z	...	Menzies United Mines, Ltd.	...	...	...	...	...	...	...
Do.	4920	Oceanic	...	16	...	...	...	...	...	...
Do.	4877z ...	Ourine	...	V.N.P.	...	...	...	...	...	...
Do.	4890z ...	Picton Valley	...	Wdn.	...	...	...	...	...	...
Do.	4926z ...	Prince Albert	...	5	...	...	...	...	...	...
Do.	2836z ...	...	Queensland Menzies G.M. Co., N.L.	a. r. p. 19 2 22	10	3	40	480	...	...
Do.	4859z ...	Resurrection	...	V.N.P.	...	...	...	...	...	...
Do.	4883z ...	St. Albans	...	6	...	...	...	...	...	...
Do.	4871z ...	Three Battlers	...	Abd.	...	...	...	...	...	...
Do.	3322z ...	True Blue	...	24	...	...	...	...	...	...
Do.	4923z ...	True Blue South	...	12	...	...	...	...	...	...
Do.	4889z ...	Union Jack...	...	6	...	...	...	...	...	...
Do.	4924z ...	Vindicator South	...	Wdn.	...	...	...	...	...	...
Do.	3048z, 3235z, 3398z	...	Warrior Menzies G.M. Co., N.L. (late Wallaroo Men- zies G.M. Co., N.L.)	40	5	...	...	...	...	...
Do.	3205z ...	...	W.A. Development Syndi- cate, Ltd.	Ftd.	...	...	...	...	...	...
Do.	4908z ...	West Sea	...	Wdn.	...	...	...	...	...	...
Do.	...	Sundry claims	...	...	...	...	...	...	...	...
		Sundry Parcels treated at	Hicks' Battery	...	...	...	...	...	...	...
		Do. do.	Menzies Gold Reef Propri- etary Battery	...	...	...	...	...	...	...
		Do. do.	Ninety-Mile Propy. Battery	...	...	...	...	...	...	...
		From District generally	Queensland Menzies Battery	...	...	...	...	...	...	...
		Notices of Purchase	...	...	...	...	...	...	...	...
			Total	...	186	20	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	262·00	20,517·90	28,265·29	...	...	25,847·70	57,896·40	...	262·00	46,365·60	86,161·69	...			
...	...	278·30	335·51	...	...	...	...	...	...	278·30	335·51	1·20			
...	82·00	57·83	...	...	82·00	57·83	·70			
...	...	186·00	263·08	...	...	69·00	223·00	...	...	255·00	486·08	1·90			
...	...	199·00	666·31	...	...	743·00	3,430·46	...	...	942·00	4,096·77	4·34			
...	...	7,617·00	8,093·30	...	...	13,494·00	12,411·88	...	...	21,111·00	20,505·18	·97	3	13	3
...	...	6,077·00	(8,189·70) (9,250·30 )	...	...	9,730·00	17,606·49	...	...	15,807·00	26,046·49	1·64	3	4	5
...	50·00	14·81	...	...	50·00	14·81	·29			
...	...	40·00	61·13	...	...	252·50	1,231·89	...	...	292·50	1,293·02	4·42			
...	431·00	178·95	...	...	431·00	178·95	·41			
...	...	667·00	1,235·40	...	...	5,304·00	11,130·79	...	...	5,971·00	12,366·19	2·07	3	8	2
...	...	135·00	158·50	...	...	793·00	743·36	...	...	928·00	901·86	·97			
...	10·00	6·05	...	...	10·00	6·05	·60			
...	14·00	1·45	...	...	14·00	1·45	·10			
...	...	232·00	450·53	...	...	748·00	1,022·25	...	...	980·00	1,472·78	1·50			
...	...	39·00	19·03	...	...	...	...	...	...	39·00	19·03	·48			
...	...	1,285·00	(1,783·05) (9,157·77 )	...	...	2,571·95	2,694·34	...	...	3,856·95	4,483·16	1·16			
...	...	127·00	110·64	...	...	12·00	3·50	...	...	139·00	114·14	·82			
...	...	121·85	137·16	...	...	...	...	...	...	121·85	137·16	1·12			
...	...	36·00	19·29	...	...	...	...	...	...	36·00	19·29	·53			
...	30·00	26·53	...	...	30·00	26·53	·88			
...	...	10·00	17·05	...	...	10·00	25·00	...	...	20·00	42·05	2·10			
...	...	6·00	5·85	...	...	...	...	...	...	6·00	5·85	·97			
...	...	3,500·00	9,746·85	...	...	6,501·00	24,388·35	...	...	10,001·00	34,135·20	3·41	3	8	0
...	46·50	26·92	...	...	46·50	26·92	·57			
...	...	154·75	309·75	...	...	16·00	75·74	...	...	170·75	385·49	2·25			
...	57·00	46·60	...	...	57·00	46·60	·81			
...	...	100·00	28·65	...	...	...	...	...	...	100·00	28·65	·28			
...	...	44·00	26·78	...	...	...	...	...	...	44·00	26·78	·60			
...	...	281·00	426·31	...	...	80·00	129·95	...	...	361·00	556·26	1·54	3	10	0
...	...	9·00	9·00	...	...	...	...	...	...	9·00	9·00	1·00			
...	...	212·00	148·18	...	...	212·00	237·31	...	...	424·00	385·52	·90	3	8	6
...	177·50	135·12	...	...	177·50	135·12	·76			
...	...	12·00	8·85	...	...	...	...	...	...	12·00	8·85	·73			
...	3·00	231·25	276·98	...	...	136·75	170·34	...	3·00	368·00	447·32	...			
...	...	34·00	20·75	...	...	...	...	...	...	34·00	20·75	...			
...	...	49·05	902·28	...	...	...	...	...	...	49·05	902·28	...			
...	102·00	77·00	...	...	102·00	77·00	...			
...	...	36·00	43·00	...	...	...	...	...	...	36·00	43·00	...			
53·20	53·20	...	...	...	...
36·42	36·42	...	...	...	...
89·62	265·00	42,237·10	62,014·27	...	...	67,520·90	133,992·34	89·62	265·00	109,758·00	196,006·61	1·78			

TABLE II.—Return of
North Coolgardie

ULARRING

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								Tons.	Tons.	
Callion ...	19u ...	...	Callion, Limited ...	18						
Do. ...	285u (4802z) ...	Lady Dorothy ...	...	V.N.P.						
Do. ...	86u ...	Lady Kate ...	...	24						
Do. ...	393u ...	Lady Troy ...	...	6						
Do. ...	405u ...	Little Wanderer ...	...	6						
Do. ...	44u ...	Melbourne ...	...	18						
Do. ...	410u ...	Mt. Macedon ...	...	12						
Do. ...	192u ...	Snowdrop ...	...	V.N.P.						
Do. ...	11u, 12u ...	...	Speakman's Mt. Callion, Ltd.	30	20					
Do. ...	387u ...	The King ...	...	3						
Do. ...	59u ...	Welcome Stranger ...	...	Ftd.						
Do. ...	...	Sundry Claims ...	...						
Mt. Higgins	363u ...	Big Buck ...	...	V.N.P.						
Do. ...	335u ...	Buninyong ...	...	12						
Do. ...	373u ...	Daimio No. 2 ...	...	3						
Do. ...	430u ...	Dreyfus Release ...	...	3						
Do. ...	368u ...	Enterprise ...	...	V.N.P.						
Do. ...	377u ...	Fairy Queen ...	...	Ftd.						
Do. ...	402u (50u)	Flora ...	...	6						
Do. ...	400u ...	Mona ...	...	18						
Do. ...	252u ...	Mt. Egan's Big Gun ...	...	V.N.P.						
Do. ...	8u ...	Mt. Higgins Property ...	...	18						
Do. ...	9u ...	Mulwarrie ...	...	24						
Do. ...	395u ...	Mullwarrie North... ..	...	24						
Do. ...	308u ...	Oakley ...	...	12						
Do. ...	419u ...	Right Bower ...	...	6						
Do. ...	366u ...	Roseleaf ...	...	Ftd.						
Do. ...	407u (366u)	Roseleaf ...	...	5						
Do. ...	364u (252u)	Stevenson's Big Gun ...	...	6						
Do. ...	40u, 50u	...	Ularring Westralia G.M. Co., N.L.	Ftd.						
Do. ...	6u ...	...	Ularring Westralia G.M. Co., N.L.	18						
Do. ...	428u ...	Welcome ...	...	24						
Do. ...	...	Sundry Claims ...	...						
Mt. Ida	36u, 62u, 115/6u, 260/2u	...	Anglo - Continental Gold Syndicate, Ltd.	96						
Do. ...	396u ...	Belvidere ...	...	Abd.						
Do. ...	17u ...	Boudie's Nest ...	...	12						
Do. ...	347u ...	Boudie's Nest No. 1 North ...	...	12						
Do. ...	404u ...	Federation ...	...	12						
Do. ...	326u ...	Forrest Belle ...	...	a. r. p. 18 3 0						
Do. ...	298u ...	Golden Vale ...	...	V.N.P.						
Do. ...	388u ...	Great Mt. Ida ...	...	12						
Do. ...	355u ...	Ida Gem ...	...	12						
Do. ...	343u ...	Kurrajong ...	...	Abd.						
Do. ...	193u, 203/5u, 218/9u, 382u	Mt. Ida Consols, Ltd.	...	155	10					
Do. ...	349u ...	Pactolus ...	...	12						
Do. ...	392u ...	Pactolus South ...	...	12						
Do. ...	375u ...	Pioneer ...	...	V.N.P.						
Do. ...	421u ...	Pocahontas ...	...	18						
Do. ...	52u ...	Rio Tinto ...	...	24						
Do. ...	354u ...	Star of the East ...	...	24						
Do. ...	361u ...	Stornoway Castle ...	...	V.N.P.						
Do. ...	...	Sundry Claims ...	...						
Do. ...	...	Government Public Battery ...	...		10					
Mulline	327u ...	Aerobal ...	...	V.N.P.						
Do. ...	74u ...	Albury ...	...	V.N.P.						
Do. ...	243u ...	Anastasia ...	...	V.N.P.						
Do. ...	179u ...	Belle Maie ...	...	18						
Do. ...	162u ...	British Lion ...	...	24						
Do. ...	330u ...	Chamberlain ...	...	12						
Do. ...	362u ...	Dawn ...	...	V.N.P.						
Do. ...	206u ...	Day Dream ...	...	V.N.P.						
Do. ...	314u ...	Day Dream South No. 2 Extended	...	4						
Do. ...	353u ...	Don Juan ...	...	Abd.						
			Carried forward ...		40					

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	...	54.75	24.42	...	...	...	...	...	...	54.75	24.42	.44	
...	1.65	39.25	...	...	1.65	39.25	...	
...	...	50.00	107.50	...	46.37	71.70	230.30	...	46.37	121.70	337.80	2.77	
...	...	52.00	34.83	...	...	...	...	...	...	52.00	34.83	.66	
...	...	21.00	29.15	...	...	...	...	...	...	21.00	29.15	1.38	
...	...	50.00	15.00	...	...	...	...	...	...	50.00	15.00	.30	
...	...	48.00	104.82	...	...	...	...	...	...	48.00	107.02	2.22	
...	...	109.50	46.08	...	...	5.00	10.75	...	...	114.50	56.83	.49	
...	...	1,122.25	606.71	...	...	...	...	...	...	1,122.25	606.71	.54	
...	...	92.00	60.46	...	...	...	...	...	...	92.00	60.46	.65	
...	39.00	...	...	...	39.00	...	...	...
...	1.40	156.00	197.25	...	...	...	...	...	1.40	156.00	197.25	...	
...	.52	75.00	89.40	...	3.30	7.50	24.55	...	3.82	82.50	113.95	1.38	
...	...	77.00	59.25	...	...	119.05	243.90	...	...	196.05	303.15	1.54	
...	...	24.00	63.93	...	...	...	...	...	...	24.00	63.93	2.66	
...	...	10.20	13.15	...	...	...	...	...	...	10.20	13.15	1.28	
...	5.00	5.00	3.25	...	...	...	...	...	5.00	5.00	3.25	.65	
...	...	100.00	35.41	...	...	8.00	12.30	...	...	108.00	47.71	.44	
...	...	46.00	21.79	...	...	...	...	...	...	46.00	21.79	.47	
...	...	76.00	165.27	...	...	...	...	...	...	76.00	165.27	2.17	3 17 0
...	2.00	6.70	...	...	2.00	6.70	3.35	
...	...	308.25	497.65	...	...	144.00	367.28	...	...	452.25	864.93	1.91	
...	...	226.00	834.50	...	...	743.49	2,207.63	...	...	969.49	3,042.13	3.13	
...	...	255.00	523.60	...	...	...	...	...	...	255.00	523.60	2.05	
...	...	212.00	580.53	...	...	60.00	185.70	...	...	272.00	766.23	2.81	
...	2.08	10.00	6.60	...	...	...	...	...	2.08	10.00	6.60	.66	
...	16.25	50.50	...	...	16.25	50.50	3.10	
...	...	23.00	73.02	...	...	...	...	...	...	23.00	73.02	3.17	
...	...	74.00	72.32	...	...	...	...	...	...	74.00	72.32	.97	
...	90.90	204.50	...	...	90.90	204.50	2.24	
...	...	295.25	594.85	...	...	...	...	...	...	295.25	594.85	2.01	
...	...	15.00	21.48	...	...	...	...	...	...	15.00	21.48	1.43	3 15 0
...	...	22.50	5.15	...	...	8.00	10.05	...	...	30.50	15.20	...	
...	...	841.00	1,719.70	...	...	...	...	...	...	841.00	1,719.70	2.04	3 14 0
...	...	49.50	30.00	...	...	...	...	...	...	49.50	30.00	.60	
...	...	221.50	154.35	...	...	8.00	17.75	...	...	229.50	172.10	.74	
...	...	25.00	4.43	...	...	...	...	...	...	25.00	4.43	.17	
...	...	40.00	36.35	...	...	...	...	...	...	40.00	36.35	.90	
...	...	259.00	338.53	...	...	...	...	...	...	259.00	338.53	1.30	3 10 8
...	6.70	50.00	50.00	...	77.58	...	...	...	84.28	50.00	50.00	1.00	
...	...	2.00	2.20	...	...	...	...	...	...	2.00	2.20	1.10	
...	...	243.00	313.10	...	...	...	...	...	...	243.00	313.10	1.28	
...	...	52.00	40.30	...	...	...	...	...	...	52.00	40.30	.77	
...	...	1,603.00	3,988.45	...	...	...	...	...	...	1,603.00	3,988.45	2.48	3 18 4
...	...	50.00	33.75	...	...	...	...	...	...	50.00	33.75	.67	
...	...	88.00	65.71	...	...	...	...	...	...	88.00	65.71	.74	
...	...	50.00	10.00	...	...	...	...	...	...	50.00	10.00	.20	
...	...	34.00	24.45	...	...	...	...	...	...	34.00	24.45	.71	
...	...	250.00	410.80	...	...	...	...	...	...	250.00	410.80	1.64	
...	...	19.50	24.99	...	...	...	...	...	...	19.50	24.99	1.28	
...	...	44.00	4.55	...	...	...	...	...	...	44.00	4.55	.10	
...	...	95.00	102.46	...	...	...	...	...	...	95.00	102.46	...	
...	
...	...	55.67	85.50	...	...	...	...	...	...	55.67	85.50	1.53	
...	25.00	66.90	...	...	25.00	66.90	2.67	
...	19.00	46.92	...	...	19.00	46.92	2.47	
...	...	80.00	56.60	...	...	...	...	...	...	80.00	56.60	.70	4 1 0
...	...	51.50	22.50	...	...	16.80	56.25	...	...	68.30	78.75	1.15	
...	...	88.00	98.45	...	...	19.00	19.95	...	...	107.00	118.40	1.10	
...	...	30.00	19.50	...	...	...	...	...	...	30.00	19.50	.65	
...	...	10.00	2.10	...	...	...	...	...	...	10.00	2.10	.21	
...	...	52.00	53.90	...	...	...	...	...	...	52.00	53.90	1.03	
...	...	72.50	76.30	...	...	...	...	...	...	72.50	76.30	1.05	
...	15.70	8,065.87	12,668.54	...	166.25	1,365.34	3,801.18	...	181.95	9,431.21	16,459.72	...	

TABLE II.—Return of

North Coolgardie

ULARRING

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...	...	40	...	...	Tons.	Tons.	...
Mulline	340u	Dungan	...	10	...	...	...	...	...	...
Do.	350u	Golden Lode	...	V.N.P.	...	...	...	...	...	...
Do.	315u	Gold Standard	...	V.N.P.	...	...	...	...	...	...
Do.	403u	Lady Florence	...	18	...	...	...	...	...	...
Do.	235u	Lady Gladys	...	12	...	...	...	...	...	...
Do.	290u	Lady Gladys Junction	...	3	...	...	...	...	...	...
Do.	328u	Marvellous West	...	V.N.P.	...	...	...	...	...	...
Do.	95u	...	Monarch G.M. Co., N.L.	Ftd.	...	...	...	...	...	...
Do.	2u	Mulline	...	15	...	...	...	...	...	...
Do.	437u	Mystery	...	6	...	...	...	...	...	...
Do.	409u	New Find	...	Abd.	...	...	...	...	...	...
Do.	311u	Our Luck	...	V.N.P.	...	...	...	...	...	...
Do.	356u	Perseverance	...	V.N.P.	...	...	...	...	...	...
Do.	423u	Refuse	...	12	...	...	...	...	...	...
Do.	422u	Reprieve	...	5	...	...	...	...	...	...
Do.	123u	...	Riverina G.M. Co., N.L.	14	10	...	...	...	...	...
Do.	359u	Riverina No. 1 North	...	12	...	...	...	...	...	...
Do.	390u	Riverina North Extended	...	Abd.	...	...	...	...	...	...
Do.	324u	Riverina South	...	13	...	...	...	...	...	...
Do.	357u	Rose and Shamrock	...	V.N.P.	...	...	...	...	...	...
Do.	139u	Roschill Treasure	...	12	...	...	...	...	...	...
Do.	367u	Try Again	...	5	...	...	...	...	...	...
Do.	385u	Vera	...	V.N.P.	...	...	...	...	...	...
Do.	345u	Victorian	...	6	...	...	...	...	...	...
Do.	397u	Victoria Extended	...	5	...	...	...	...	...	...
Do.	332u	Young Australian	...	24	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	10	...	...	...	...	...
Do.	...	Government Public Battery	...	...	...	...	...	...	...	...
Ularring	351u	Central Off Chance	...	12	...	...	...	...	...	...
Do.	348u	Cuba	...	V.N.P.	...	...	...	...	...	...
Do.	339u	Derby	...	18	...	...	...	...	...	...
Do.	376u	Lady Betty	...	V.N.P.	...	...	...	...	...	...
Do.	383u	Lady Emma	...	V.N.P.	...	...	...	...	...	...
Do.	89u, 92u	...	London and Coolgardie Ex- plorers, Ltd.	36	...	...	...	...	...	...
Do.	346u	Matchless	...	Abd.	...	...	...	...	...	...
Do.	338u	Off Chance	...	24	...	...	...	...	...	...
Do.	370u	Puzzle	...	Abd.	...	...	...	...	...	...
Do.	1u	Shamrock	...	20	...	...	...	...	...	...
Do.	371u	Shamrock North	...	V.N.P.	...	...	...	...	...	...
Do.	360u	Trio	...	6	...	...	...	...	...	...
Do.	406u	Yale Lock	...	12	...	...	...	...	...	...
		Notices of Purchase	...	...	...	...	...	...	...	...
			Total	...	60	...	...	...	...	...

NIAGARA

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Niagara	146g	Ballarat	...	Abd.	...	...	...	Tons.	Tons.	...
Do.	308g (146g)	Ballarat	...	12	...	...	...	...	...	...
Do.	279g	Batavia	...	12	...	...	...	...	...	...
Do.	41g, 268g	...	...	36	10	...	...	...	...	...
Do.	2g, 7g, 48g, M.A. 5	...	...	a. r. p.	44	2	13	...	...	...
Do.	320g, 335g, 347g	Champion leases	...	35	...	...	...	...	...	...
Do.	{ 22/8g, 31g, 246g, 265g, 267g, 269g, 331/3g, 351g, 354/8g }	...	...	a. r. p.	28	4	5	30	...	...
			Cosmopolitan Proprietary, Ltd.	28	4	5	30	...	...	...
			Carried forward	...	50	...	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	15·70	8,065·87	12,668·54	...	166·25	1,365·34	3,801·18	...	181·95	9,481·21	16,459·72	...	
...	...	81·00	69·80	...	...	...	...	...	...	81·00	69·80	·86	
...	...	142·00	102·97	...	...	2·00	12·00	...	...	2·00	12·00	·60	
...	...	84·50	126·00	...	...	26·00	42·83	...	...	168·00	145·80	·86	
...	...	73	190·00	...	...	186·00	18·00	...	...	84·50	126·00	1·49	
...	...	168·00	205·70	...	...	2·24	...	...	...	186·73	208·00	387·08	1·86 3 19 8
...	...	158·00	159·85	...	...	...	...	...	...	2·24	168·00	205·70	1·22 4 2 11
...	...	185·50	101·62	...	...	...	...	...	...	...	158·00	159·85	1·01
...	...	147·25	263·75	...	...	125·50	219·47	...	...	...	311·00	321·09	1·03
...	...	116·00	92·13	...	...	...	...	...	...	...	147·25	263·75	1·79
...	...	25·00	198·70	...	...	...	...	...	...	...	116·00	92·13	·79
...	...	50·00	59·75	...	...	...	...	...	...	...	25·00	198·70	7·94
...	...	8·00	7·95	...	...	...	...	...	...	...	50·00	59·75	1·19
...	...	30·00	19·90	...	...	...	...	...	...	...	8·00	7·95	·99
...	...	55·50	149·20	...	...	...	...	...	...	...	30·00	19·90	·66
...	...	65·00	47·45	...	...	25·00	30·00	...	...	...	55·50	149·20	2·68
...	...	122·50	74·06	...	...	5·50	9·60	...	...	...	90·00	77·45	·86 3 15 0
...	...	33·00	72·92	...	...	...	...	...	...	...	128·00	83·66	·65
...	...	92·00	38·90	...	...	...	15·00	...	...	...	33·00	72·92	2·20
...	...	116·00	60·90	...	...	...	5·00	...	...	...	107·00	46·40	·43 3 18 9½
...	...	82·00	88·00	...	...	...	...	...	...	...	121·00	66·85	·55
...	...	181·75	186·62	...	...	...	...	...	...	...	82·00	88·00	1·07
...	...	10·50	20·58	...	...	...	...	...	...	...	181·75	186·62	1·02
...	...	106·50	229·95	...	...	...	...	...	...	...	10·50	20·58	1·96
...	...	27·00	80·30	...	...	...	...	...	...	...	106·50	229·95	2·15
...	...	111·00	304·55	...	...	...	...	...	...	...	27·00	80·30	2·97
...	25	252·75	250·07	...	...	...	4·50	...	...	...	111·00	304·55	2·74
...	...	11·00	1·76	...	...	...	...	...	...	25	252·75	262·73	...
...	...	83·25	95·28	...	...	...	4·00	...	...	...	11·00	1·76	·16
...	...	10·00	4·90	...	...	...	...	...	...	...	4·00	14·55	3·63
...	...	10·50	11·00	...	...	...	...	...	...	...	83·25	95·28	1·14
...	...	303·00	552·83	...	...	...	25·15	...	...	...	10·00	4·90	·49
...	...	8·00	3·05	...	...	...	...	...	...	...	10·50	11·00	1·04
...	...	422·00	1,047·65	...	...	...	...	...	...	...	303·00	552·83	1·94 3 18 0
...	...	37·00	28·78	...	...	...	...	...	...	...	8·00	3·05	·38
...	...	187·00	424·15	...	...	...	39·75	...	...	...	422·00	1,047·65	2·70
...	...	38·00	28·27	...	...	...	...	...	...	...	37·00	28·78	·77
...	2·00	63·00	81·25	...	...	...	...	...	...	...	187·00	424·15	2·20
...	...	30·00	6·75	...	...	...	...	...	...	2·00	38·00	28·27	·74
1·82	·83	...	...	...	...	...	...	...	...	...	63·00	81·25	1·28
...	30·00	6·75	·22
1·82	19·51	11,909·37	18,309·18	...	354·49	1,712·24	4,584·73	1·82	374·00	13,621·61	22,893·91	1·68	

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	22·99	...	...	...	8·00	116·85	101·75	...	30·99	116·85	101·75	·87	
...	...	156·00	309·55	...	...	...	...	...	...	156·00	309·55	1·98	
...	...	150·00	113·65	...	...	67·00	54·55	...	...	217·00	168·20	·77	3 12 0
...	...	4,535·00	3,213·80	...	...	5,069·00	4,512·15	...	...	9,604·00	7,725·95	·80	3 11 0
...	...	2,418·00	1,575·85	...	...	...	...	...	...	2,418·00	1,575·85	·65	
...	...	928·50	1,245·84	...	...	132·00	292·25	...	...	1,060·50	1,538·09	1·45	3 13 6½
...	...	9,893·00	9,054·10	...	...	218·00	187·40	...	...	10,111·00	9,241·50	·91	3 16 0
...	22·99	18,080·50	15,512·79	...	8·00	5,602·85	5,148·10	...	30·99	23,683·35	20,660·89	...	

North Coolgardie

NIAGARA

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.						
					Milling.		Cyaniding.				
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	
			Brought forward ...		50				Tons.	Tons.	
Niagara ...	20g, 87g, 94g, 338g	...	Cumberland Niagara G.Ms., Ltd.	84	20						
Do. ...	273g	Day Dawn ...		6							
Do. ...	194g	Diamantina ...		24							
Do. ...	345g	Dollar ...		3							
Do. ...	291g	Dolly Darling ...		12							
Do. ...	301g	Eureka ...		5							
Do. ...	362g	Euroa ...		5							
Do. ...	17g	Gillmore ...		V.N.P.							
Do. ...	29g	Gladstone ...	Continental and W.A. Trust, Ltd.	12	10						
Do. ...	272g, M.A. 7g	Golden Hope ...		12	5						
Do. ...	248g	Golden Treasure ...		V.N.P.							
Do. ...	373g	Good Friday ...		12							
Do. ...	223/6g	...	Hannan's Gold Estates, Ltd.	48							
Do. ...	282g	Homeward Bound ...		6							
Do. ...	316g	John Bull ...		12							
Do. ...	313g (249g)	Kitchener ...		V.N.P.							
Do. ...	314g	Lily ...		5							
Do. ...	325g	Liverpool ...		12							
Do. ...	89g	Liverpool North ...		Ftd.							
Do. ...	270g	Mikado ...		6							
Do. ...	275g	O'Shea ...		5							
Do. ...	100g	Pine Lodge... ..		12							
Do. ...	365g	Prie... ..		Wdn.							
Do. ...	371g	Prospector ...		12							
Do. ...	254g, 255g	Puzzle leases ...		48	t 1						
Do. ...	296g	Redbank ...		V.N.P.							
Do. ...	318g	Sirdar ...		Abd.							
Do. ...	256g	Sovereign ...		12							
Do. ...	18g	Spinaway ...		V.N.P.							
Do. ...	348g	Star ...		6							
Do. ...	364g	Sydney Gold Mine ...		Wdn.							
Do. ...	344g	Tasman ...		5							
Do. ...	361g	The Sisters ...		3							
Do. ...	367g	The Two K's ...		5							
Do. ...	329g	Try Again ...		6							
Do. ...	253g, 273g, 300g	...	Victoria and Day Dawn G.M. Co. (W.A.), N.L.	18							
Do. ...	261g	Wairau ...		12							
Do. ...	52g	Warain Gold Mine ...		V.N.P.							
Do. ...	311g	White Cliff ...		V.N.P.							
Do. ...	315g	Wyunstay ...		5							
Do. ...	...	Sundry Claims ...									
Tampa ...	67g	Barrington ...		12							
Do. ...	307g (85g)	Battlers' Hope ...		12							
Do. ...	277g	Belbedear ...		12							
Do. ...	284g	Birmingham ...		V.N.P.							
Do. ...	38g, M.A. 4g	...	Blevin's Find G.M. Co., Ltd.	24	10						
Do. ...	286g	Blue Bell ...		Abd.							
Do. ...	260g	Desdemona ...		V.N.P.							
Do. ...	106g	Desdemona Extended ...		V.N.P.							
Do. ...	278g	Fortuna ...		6							
Do. ...	349g	Grafter ...		12							
Do. ...	85g	Hoffman's ...		Ftd.							
Do. ...	250g	Jubilee ...		V.N.P.							
Do. ...	274g	Last Chance ...		Ftd.							
Do. ...	264g	London ...		Ftd.							
Do. ...	363g	Marvelette ...		Wdn.							
Do. ...	49g	...	Niagara Commonwealth Ex- ploration Co., Ltd.	Ftd.							
Do. ...	326g	Pactolus ...		5							
Do. ...	352g	Perseverance ...		5							
Do. ...	280g	Princess Melita ...		V.N.P.							
Do. ...	360g (286g)	Rockhampton ...		12							
Do. ...	295g	Scotland Yet ...		V.N.P.							
Do. ...	324g	South Barrington ...		Abd.							
Do. ...	287g	Standard ...		18							
Do. ...	281g	St. Lawrence ...		12							
Do. ...	321g	Surprise ...		V.N.P.							
Do. ...	251g	Ulster ...		Ftd.							
Do. ...	290g	Western Extended ...		V.N.P.							
Do. ...	...	Sundry Claims ...									
		From District generally ...									
		Notices of Purchase ...									
			Total ...		95	1					

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	22-99	18,080-50	15,512-79	...	8-00	5,602-85	5,148-10	...	30-99	23,683-35	20,660-89	...			
...	...	9,051-00	5,132-25	...	...	...	...	...	...	9,051-00	5,132-25	...	56	3	12 9½
...	4-50	7-65	...	...	4-50	7-65	...	1-70		
...	...	84-00	60-05	...	...	33-05	79-51	...	...	117-05	139-56	...	1-19		
...	...	33-25	34-54	...	...	...	...	...	...	33-25	34-54	...	1-08		
...	...	25-00	3-10	...	...	4-75	12-50	...	...	29-75	15-60	...	52		
...	...	331-00	360-89	...	...	14-00	14-00	...	...	345-00	374-89	...	1-08		
...	...	28-00	45-13	...	...	...	...	...	...	28-00	45-13	...	1-61		
...	53-00	25-52	...	...	53-00	25-52	...	48		
...	105-35	109-83	...	...	105-35	109-83	...	1-04		
...	...	81-00	74-27	...	...	10-00	21-36	...	...	91-00	95-63	...	1-05		
...	143-00	273-18	...	...	143-00	273-18	...	1-91		
...	...	89-00	89-35	...	...	...	...	...	...	89-00	89-35	...	1-00		
...	20-00	43-00	...	...	20-00	43-00	...	2-15		
...	...	83-00	252-55	...	...	62-00	455-00	...	...	145-00	707-55	...	4-87		
...	...	20-00	25-80	...	...	11-20	36-40	...	...	31-20	62-20	...	1-99		
...	...	61-00	17-45	...	...	50-00	18-30	...	...	111-00	35-75	...	32		
...	11-55	38-00	159-11	...	...	4-75	27-90	...	11-55	42-75	187-01	...	4-37		
...	...	183-00	168-31	...	...	...	...	...	...	183-00	168-31	...	91		
...	...	71-00	16-86	...	...	172-00	48-50	...	...	243-00	65-36	...	26		
...	3-50	96-00	110-00	...	...	10-00	31-00	...	3-50	106-00	141-00	...	1-33		
...	...	50-00	50-48	...	...	5-00	29-61	...	...	55-00	80-09	...	1-45		
...	...	154-00	199-45	...	...	152-20	202-29	...	...	306-20	401-74	...	1-31		
...	...	11-00	16-95	...	...	...	...	...	...	11-00	16-95	...	1-54		
...	...	14-00	11-60	...	...	...	...	...	...	14-00	11-60	...	82		
...	...	57-00	41-32	...	...	5-00	9-60	...	...	62-00	50-92	...	82	3	11 0
...	6-00	...	...	...	6-00	...	...	...	...
...	...	104-00	89-22	...	...	...	...	...	...	104-00	89-22	...	85		
...	...	310-00	363-30	...	...	86-00	94-75	...	...	396-00	458-05	...	1-15		
...	12-00	5-55	...	...	12-00	5-55	...	46		
...	...	37-00	32-25	...	...	...	...	...	...	37-00	32-25	...	87		
...	...	27-00	7-00	...	...	...	...	...	...	27-00	7-00	...	25		
...	...	31-00	47-69	...	...	...	...	...	...	31-00	47-69	...	1-53		
...	...	11-00	11-00	...	...	...	...	...	...	11-00	11-00	...	1-00		
...	...	21-00	41-15	...	...	...	...	...	...	21-00	41-15	...	1-95		
...	...	17-00	23-70	...	...	...	...	...	...	17-00	23-70	...	1-39		
...	...	74-50	150-25	...	...	11-25	30-95	...	...	85-75	181-20	...	2-11		
...	...	147-00	175-65	...	...	77-50	105-24	...	...	224-50	280-89	...	1-25		
...	...	32-00	26-50	...	...	12-50	56-38	...	...	44-50	82-88	...	1-86		
...	...	16-00	15-95	...	...	16-25	13-50	...	...	32-25	29-45	...	91		
...	...	137-00	84-60	...	...	...	...	...	...	137-00	84-60	...	61		
...	27-65	356-75	328-14	...	...	162-50	254-06	...	27-65	519-25	582-20	...	...
...	...	50-00	54-25	...	...	158-00	218-38	...	...	208-00	272-63	...	1-31		
...	86-00	180-74	...	...	86-00	180-74	...	2-10		
...	98-00	68-17	...	...	98-00	68-17	...	69		
...	25-00	10-21	...	...	25-00	10-21	...	40		
...	...	796-00	311-63	...	...	1,530-00	795-49	...	...	3,326-00	1,107-12	...	47		
...	308-00	335-37	...	...	308-00	335-37	...	1-08		
...	...	50-00	50-10	...	...	91-00	124-43	...	...	141-00	174-53	...	1-23		
...	16-00	47-37	...	...	16-00	47-37	...	2-96		
...	...	56-00	146-80	...	...	53-00	69-65	...	...	109-00	216-45	...	1-98		
...	...	226-00	497-43	...	...	...	...	...	...	226-00	497-43	...	2-20		
...	2,600-00	200-00	...	...	2,600-00	200-00	...	07		
...	...	43-00	25-90	...	...	40-00	52-15	...	...	83-00	78-05	...	94		
...	39-50	29-58	...	...	39-50	29-58	...	74		
...	...	44-00	26-35	...	...	177-80	157-05	...	...	221-80	183-40	...	82		
...	...	65-00	51-50	...	...	...	...	...	...	65-00	51-50	...	79		
...	52-00	57-08	...	...	52-00	57-08	...	1-09		
...	...	108-00	137-85	...	...	51-00	62-11	...	...	159-00	199-96	...	1-25		
...	...	110-00	239-77	...	...	...	...	...	...	110-00	239-77	...	2-17		
...	8-10	131-50	76-75	...	8-10	131-50	76-75	...	58		
...	...	25-00	10-94	...	...	...	...	...	...	25-00	10-94	...	43		
...	...	30-00	15-70	...	...	63-00	25-75	...	...	93-00	41-45	...	44		
...	...	11-50	6-35	...	...	...	...	...	...	11-50	6-35	...	55		
...	...	377-00	244-75	...	...	302-00	223-96	...	...	679-00	468-71	...	69		
...	3-30	31-00	37-50	...	...	25-00	26-10	...	3-30	56-00	63-60	...	1-13		
...	40-00	58-45	...	...	40-00	58-45	...	1-46		
...	...	48-00	100-55	...	...	175-50	189-77	...	...	223-50	290-32	...	1-29		
...	32-00	12-03	...	...	32-00	12-03	...	37		
...	...	277-00	176-21	...	...	157-00	127-41	...	...	434-00	303-62	...	...
29-44	30-74	...	...	66-00	...	...	...	60-00	30-74	...	...	...	...
29-44	99-73	32,309-50	25,912-23	60-00	22-10	13,091-95	10,301-68	89-44	121-83	45,401-45	36,213-91	79			

TABLE II.—Return of
North Coolgardie
YERILLA

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Edjudina	204R	...	Anglo-Saxon G.M. Co., N.L.	Ftd.	...	...	...	...	...	...
Do.	460R	Mt. Eiversley	...	Abd.	...	...	...	...	...	...
Do.	401R	Neta...	...	24	1	6	20	400	...	...
Do.	418R	Neta Extended	...	24	...	...	...	...	...	...
Do.	459R	Ninety-nine	...	24	...	...	...	...	...	...
Do.	13/8R, 244/5R, 308R	...	Triumph Leases, Ltd.	V.N.P.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Eucalyptus	442R	Chesepeake...	...	12	...	...	...	...	...	...
Do.	416R	Keep-it-dark	...	Abd.	...	...	...	...	...	...
Do.	371R	Lady Pascoe	...	V.N.P.	...	...	...	...	...	...
Do.	100R	Nine of Hearts	...	24	1	...	...	...	...	...
Do.	477R	Scotchman	...	12	...	...	...	...	...	...
Do.	315R	...	Shannon G.M. Co., Ltd.	12	10	...	...	...	...	...
Do.	400R	Unity	...	Abd.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Linden	188R 196R,	Blair Athol leases	...	24	10	3	20	160	...	...
Do.	399R	Burgess' Luck	...	12	...	...	...	...	...	...
Do.	413R	Caledonian	...	12	...	...	...	...	...	...
Do.	286R, 285R	Crushed Tragedian and True Blue	...	V.N.P.	...	...	...	...	...	...
Do.	464R (123R)	Federal	...	12	...	...	...	...	...	...
Do.	123R	Golden Ridge	...	Ftd.	...	...	...	...	...	...
Do.	406R	Great Carbine	...	6	1	...	...	...	...	...
Do.	408R	...	Greenhill G.M. Co., Ltd.	24	5	...	...	...	...	...
Do.	414R	Kangaroo	...	Ftd.	...	...	...	...	...	...
Do.	384R	Lady Edith	...	12	...	...	...	...	...	...
Do.	387R	Lady Ethel	...	12	...	...	...	...	...	...
Do.	188R, 196R, 384R (123R, 320R)	...	Lake View and Boulder East G.M. Co., Ltd.	36	...	...	...	...	...	...
Do.	430R	Mountain Maid	...	Wdn.	...	...	...	...	...	...
Do.	357R	Mt. Wilgress	...	V.N.P.	...	...	...	...	...	...
Do.	407R	...	New Year's Gift G.M. Co., Ltd.	24	...	...	...	...	...	...
Do.	468R	Recovery	...	12	...	...	...	...	...	...
Do.	420R	Traveller's Joy	...	12	...	...	...	...	...	...
Do.	295R	True Blue Jacket	...	Ftd.	...	...	...	...	...	...
Do.	358R	Wimmera	...	6	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Mt. Celia	434R	Wongililly Proprietary	...	V.N.P.	...	...	...	...	...	...
Mt. Remarkable	375R	...	Darlôt Exploration Co. of W.A., Ltd.	V.N.P.	...	...	...	...	...	...
Do.	448R	Excelsior	...	12	...	...	...	...	...	...
Do.	445R	I.X.L.	...	Abd.	...	...	...	...	...	...
Do.	397R	La Tosca	...	24	...	...	...	...	...	...
Pendinnie	117R	Bound to Rise	...	Ftd.	...	...	...	...	...	...
Do.	...	do.	...	...	...	...	...	...	...	...
Do.	118R	George Washington	...	Ftd.	...	...	...	...	...	...
Do.	443R	Landed at Last	...	12	...	...	...	...	...	...
Do.	450R	Potosi	...	24	...	...	...	...	...	...
Do.	466R	Queen of the May	...	24	...	...	...	...	...	...
Do.	467R	Queen of the May South	...	12	...	...	...	...	...	...
Do.	121R	Te Anau	...	V.N.P.	...	...	...	...	...	...
Do.	461R	Woomera	...	24	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Pinjin	465R	Bobadil	...	Abd.	...	...	...	...	...	...
Do.	432R	Paragon	...	Abd.	...	...	...	...	...	...
Do.	425R	Protest	...	6	5	...	...	...	...	...
Do.	444R	Sirdar	...	Abd.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Pyke's Hollow	426R	Ironsides	...	Wdn.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Yerilla	87R	Black Gin	...	Ftd.	...	...	...	...	...	...
Do.	427R (87R)	Black Gin	...	Abd.	...	...	...	...	...	...
Do.	376R	Bonanza	...	V.N.P.	...	...	...	...	...	...
Do.	238R	Bullion	...	12	...	...	...	...	...	...
Do.	472R	Fenton South	...	5	...	...	...	...	...	...
Do.	451R (354R)	Gertrude	...	12	...	...	...	...	...	...
Do.	98R	Golden Grove	...	V.N.P.	...	...	...	...	...	...
Do.	191R	Golden Star	...	12	...	...	...	...	...	...
Do.	436R (93R)	Harrow	...	V.N.P.	...	...	...	...	...	...
Carried forward				...	30	3	9	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION:				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	...	...	...	...	...	28.00	23.50	...	...	28.00	23.50	.83	
...	...	55.00	61.00	...	...	...	...	...	...	55.00	61.00	1.10	
...	...	1,165.50	1,549.49	...	...	584.00	751.50	...	...	1,749.50	2,300.99	1.31	3 13 6
...	...	104.00	118.18	...	...	...	...	...	...	104.00	118.18	1.13	
...	...	30.00	10.45	...	...	...	...	...	...	30.00	10.45	.34	
...	...	...	...	...	...	2,262.00	2,213.30	...	...	2,262.00	2,213.30	.97	
...	...	75.00	72.30	...	...	...	...	...	...	75.00	72.30	...	
...	...	10.00	7.00	...	...	...	...	...	...	10.00	7.00	.70	
...	...	...	...	...	119.50	24.00	85.00	...	119.50	24.00	85.00	3.54	
...	...	10.00	4.32	...	...	...	...	...	...	10.00	4.32	.43	
...	...	295.00	154.05	...	...	520.00	718.87	...	...	815.00	872.92	1.07	3 14 7
...	65.45	2.35	37.25	...	...	...	...	...	65.45	2.35	37.25	...	
...	...	164.00	65.50	...	...	...	...	...	...	164.00	65.50	.39	3 14 7
...	...	...	...	...	...	20.00	15.00	...	...	20.00	15.00	.75	
...	332.52	104.50	120.82	...	...	54.00	51.00	...	332.52	158.50	171.82	...	
...	...	104.00	278.80	...	...	...	...	...	...	104.00	278.80	2.68	
...	7.83	...	...	...	460.00	27.00	60.00	...	467.83	27.00	60.00	2.22	
...	...	48.00	23.73	...	...	25.00	27.75	...	...	73.00	51.48	.70	
...	...	...	...	...	18.00	38.00	51.45	...	18.00	38.00	51.45	1.35	
...	13.18	26.25	152.25	...	...	...	...	...	13.18	26.25	152.25	5.80	
...	.80	...	...	...	...	10.00	6.95	...	.80	10.00	6.95	.69	
...	...	5.00	7.25	...	...	36.00	42.70	...	...	41.00	49.95	1.21	
...	...	1,314.00	2,689.90	...	...	40.00	185.50	...	...	1,354.00	2,875.40	2.12	3 17 5
...	...	...	...	...	...	18.05	9.25	...	...	18.05	9.25	.51	
...	...	105.50	451.00	...	...	...	...	...	...	105.50	451.00	4.27	
...	2.10	295.25	524.95	...	5.00	252.00	293.55	...	7.10	547.25	818.50	1.49	4 0 1
...	...	...	...	...	...	728.00	1,140.07	...	...	728.00	1,140.07	1.56	
...	...	...	...	...	...	3.50	4.10	...	...	3.50	4.10	1.17	
...	...	...	...	...	...	9.00	7.50	...	...	9.00	7.50	.83	
...	...	164.00	112.00	...	...	...	...	...	...	164.00	112.00	.68	
...	...	8.00	51.85	...	...	...	...	...	...	8.00	51.85	6.48	
...	...	18.00	24.50	...	...	37.00	46.55	...	...	55.00	71.05	1.29	
...	...	...	...	...	...	12.00	18.60	...	...	12.00	18.60	1.55	
...	...	145.50	185.30	...	...	107.00	193.40	...	...	252.50	378.70	1.49	
...	20.00	68.75	76.80	...	...	...	...	...	20.00	68.75	76.80	...	
...	...	14.00	6.00	...	...	...	...	...	...	14.00	6.00	.42	
...	...	...	...	...	...	22.00	11.89	...	...	22.00	11.89	.54	
...	...	10.00	5.46	...	...	...	...	...	...	10.00	5.46	.54	
...	5.00	15.00	7.06	...	...	...	...	...	5.00	15.00	7.06	.47	
...	5.90	259.22	270.01	...	9.00	16.00	15.20	...	14.90	275.22	285.21	1.03	
...	...	...	...	...	...	.50	39.00	...	...	.50	39.00	...	
...	...	...	...	...	...	...	1.†	...	...	...	1.†	...	
...	...	22.00	35.50	...	...	82.75	201.03	...	...	104.75	236.53	2.25	
...	...	37.00	44.05	...	...	...	...	...	...	37.00	44.05	1.19	
...	...	76.00	170.00	...	...	...	...	...	...	76.00	170.00	2.23	
...	...	14.60	31.00	...	...	...	...	...	...	14.60	31.00	2.12	
...	...	16.55	33.00	...	...	...	...	...	...	16.55	33.00	1.99	
...	...	...	...	...	...	17.00	16.00	...	...	17.00	16.00	.64	
...	...	58.00	28.85	...	...	...	...	...	...	58.00	28.85	.49	3 14 7
...	1.52	73.00	165.78	...	...	137.00	189.30	...	1.52	210.00	355.08	...	
...	...	17.00	34.30	...	...	...	...	...	...	17.00	34.30	2.01	
...	...	20.00	8.20	...	...	...	...	...	...	20.00	8.20	.41	
...	...	10.00	5.00	...	...	...	...	...	...	10.00	5.00	.50	
...	...	95.00	40.75	...	...	...	...	...	...	95.00	40.75	.42	
...	8.30	60.00	25.35	...	...	...	...	...	8.30	60.00	25.35	.42	
...	10.60	...	...	...	...	...	...	...	10.60	...	...	...
...	...	26.00	12.00	...	...	37.00	29.40	...	...	63.00	41.40	.65	
...	...	23.75	4.47	...	...	...	...	...	...	23.75	4.47	.18	
...	...	...	...	...	28.00	5.00	17.70	...	28.00	5.00	17.70	3.54	
...	...	158.00	19.30	...	...	...	...	...	...	158.00	19.30	.12	
...	...	30.00	12.75	...	...	...	...	...	...	30.00	12.75	.42	
...	205.60	73.01	94.11	...	...	...	...	...	205.60	73.01	94.11	1.28	
...	...	...	...	...	...	10.75	3.85	...	...	10.75	3.85	.35	
...	...	142.00	88.92	...	...	...	...	...	...	142.00	88.92	.62	
...	...	28.80	9.21	...	...	...	...	...	...	28.80	9.21	.31	
...	678.80	5,596.53	7,929.76	...	639.50	5,162.55	6,468.91	...	1,318.30	10,759.08	14,398.67	...	

† See Note on page 217.

TABLE II.—Return of
North Coolgardie
YERILLA

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.			Cyaniding.		
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward	...	30	3	9	Tons.	Tons.	
Yerilla ...	378R ...	Jubilee ...	...	Abd.	...	...	...	...	...	...
Do. ...	372R ...	Lady Florence ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	264E ...	Lady Gertrude ...	...	Abd.	...	...	...	...	...	...
Do. ...	354R ...	Lady Gertrude South	...	V.N.P.	...	...	...	...	...	...
Do. ...	305R ...	Lombard ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	458R (89R) ...	McGregor ...	...	Abd.	...	...	...	...	...	...
Do. ...	55R, 59R, 60R	...	Mt. Catherine G.M. Co., Ltd.	56	10	...	...	...	...	...
Do. ...	110R ...	Ovens ...	...	Abd.	...	...	...	...	...	...
Do. ...	70R ...	Queen of the Earth	...	24	...	...	...	...	...	...
Do. ...	88R ...	Queen of the Earth No. 8 North	...	V.N.P.	...	...	...	...	...	...
Do. ...	89R ...	Queen of the Earth No. 9 North	...	Ftd.	...	...	...	...	...	...
Do. ...	180R ...	Rise Again ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	64R, 65R, 105R	...	Yerilla Claims, Ltd.	a. r. p.	...	...	...	...	...	...
Do. ...	155 (154, 156) ...	...	Yerilla G.M. Co., N.L.	37 3 5	...	...	...	...	...	...
Do. ...	...	Sundry Claims	...	12	5	...	...	...	...	...
Do. ...	...	Government Public Battery	...	...	10	...	...	...	...	...
Yilgangi ...	439R ...	Bush Boys ...	...	12	...	...	...	...	...	...
Do. ...	...	Sundry Claims	...	...	...	...	...	...	...	...
Do. ...	...	From District generally	...	...	...	...	...	...	...	...
Do. ...	...	Notices of Purchase	...	...	...	...	...	...	...	...
			Total	...	55	3	9	...	...	...

Broad Arrow

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.			Cyaniding.		
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								Tons.	Tons.	
Bardoc ...	885w ...	Australasia Extended	...	V.N.P.	...	...	...	...	...	...
Do. ...	1076w ...	...	Bardoc Gold Mines, Ltd.	12	...	...	...	...	...	...
Do. ...	1052w ...	Blue Peter ...	...	Abd.	...	...	...	...	...	...
Do. ...	993w ...	Eureka ...	...	12	...	...	...	...	...	...
Do. ...	1004w ...	Eureka North	...	12	...	...	...	...	...	...
Do. ...	36w ...	Eva ...	...	a. r. p.	...	...	...	...	...	...
Do. ...	25w, 33w	Excelsior leases	...	11 0 27	5	1	25	175	...	...
Do. ...	107/9w, 887w, 956w, 1043w	...	Half Mile Reefs, Ltd.	a. r. p.	...	...	...	...	...	...
Do. ...	1037w ...	Kent ...	...	83 3 33	10	...	...	...	...	...
Do. ...	17w ...	Mt. Pleasant ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	19w ...	Nerrin Nerrin	...	12	...	...	...	...	...	...
Do. ...	1101w (19w) ...	Nerrin Nerrin	...	Surr.	...	...	...	...	...	...
Do. ...	998w ...	Ophir ...	...	12	10	...	...	...	...	...
Do. ...	1116w ...	Our Pride ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	736w ...	Pleasure Bound	...	5	...	...	...	...	...	...
Do. ...	176w ...	Rose and Swan	...	V.N.P.	...	...	...	...	...	...
Do. ...	982w ...	Rose and Swan South	...	a. r. p.	...	...	...	...	...	...
Do. ...	959w, 968w, 970w, 1045w, 1048w	...	Slug Hill (Pride of the Hill) G.M. Co., Ltd.	11 3 19	20	...	...	...	...	...
			Carried forward	70	45	1	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	678.80	5,596.53	7,929.76	...	639.50	5,162.55	6,468.91	...	1,318.30	10,759.08	14,398.67	...	
...	...	...	...	...	...	14.75	6.05	...	...	14.75	6.05	...	.41
...	...	...	...	...	...	43.00	16.48	...	...	43.00	16.48	...	.38
...	...	116.50	44.94	...	...	78.00	161.15	...	...	194.50	206.09	...	1.05
...	...	...	...	...	...	9.00	3.15	...	...	9.00	3.15	...	.35
...	...	...	...	...	...	...	2.†	...	...	...	2.†	...	...
...	...	22.75	39.33	...	...	...	...	...	...	22.75	39.33	...	1.72
...	...	...	...	...	...	321.00	26.00	...	...	321.00	26.00	...	.08
...	...	...	...	...	...	86.00	114.75	...	...	86.00	114.75	...	1.33
...	...	277.25	281.11	...	3,197.88	...	...	...	3,197.88	277.25	281.11	...	1.01
...	...	...	...	...	2.24	...	...	...	2.24	...	...	...	...
...	...	...	...	...	...	49.15	52.69	...	...	49.15	52.69	...	1.07
...	...	...	...	...	...	30.00	17.30	...	...	30.00	17.30	...	.57
...	5.95	331.75	226.17	...	...	449.50	467.05	...	5.95	781.25	693.22	...	.88
...	...	61.00	20.53	...	...	561.00	374.56	...	...	622.00	395.09	...	.63
...	...	265.75	157.18	...	...	10.00	6.50	...	...	275.75	163.68	...	...
...
...	...	94.75	118.32	...	...	...	...	...	...	94.75	118.32	...	1.24
135.36	5.18	...	...	...	...	...	...	135.36	5.18	...	...	...	...
456.70	...	...	...	60.00	...	...	...	516.70	...	...	...	...	...
83.84	44.17	...	...	...	...	...	...	83.84	44.17	...	...	...	...
675.90	734.10	6,766.23	8,817.34	60.00	3,839.62	6,813.95	17,714.59	735.90	4,573.72	13,580.23	16,531.93	1.21	

† Also ounces from unknown tons, Bound to Rise ... 1.† 240.00
 Do. do. Lombard ... 2.† 35.00
 Total ... 275.00

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	79.60	22.29	...	...	79.60	22.29	...	.28
...	...	119.00	124.30	...	...	163.00	93.52	...	...	282.00	217.82	...	.77
...	...	61.00	107.78	...	...	58.50	105.24	...	...	119.50	213.02	...	1.78
...	42.25	106.00	92.47	...	...	50.50	88.31	...	42.25	156.50	180.78	...	1.15
...	1.00	1.35	...	...	1.00	1.35	...	...
...	11.00	6.00	...	...	11.00	6.00	...	.54
...	...	347.00	{ 263.20 } { pl. 4.50 }	...	...	432.00	530.81	...	...	779.00	798.51	...	1.02
...	...	2,723.00	{ 1,510.21 } { 1,312.80 }	...	...	2,026.00	1,414.62	...	...	4,749.00	2,956.63	...	.62
...	38.30	15.50	...	...	38.30	15.50	...	.40
...	31.46	10.00	31.20	...	31.46	10.00	31.20	...	3.12
...	...	131.00	32.75	...	...	326.00	88.40	...	...	457.00	121.15	...	.26
...	...	441.00	290.25	...	...	...	...	...	...	441.00	290.25	...	.65
...	60.00	...	...	...	...	60.00	...	...	...
...	...	38.50	66.95	...	...	...	...	...	...	38.50	66.95	...	1.73
...	30.10	35.00	...	...	30.10	35.00	...	1.16
...	12.25	195.00	63.41	...	...	55.00	44.05	...	12.25	250.00	107.46	...	.43
...	...	25.00	31.25	...	...	20.00	27.90	...	...	45.00	59.15	...	1.31
...	...	3,601.80	2,634.75	...	7.20	...	...	...	7.20	3,601.80	2,634.75	...	.73
...	54.50	7,788.30	5,253.62	...	98.66	3,301.00	2,504.19	...	153.16	11,089.30	7,757.81	...	

TABLE II.—Return of

Broad Arrow

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								Tons.	Tons.	
			Brought forward ...	...	45	...	1	...	...	...
Bardoc	1043w ...	Struck Oil ...	...	24	...	...	...	...	...	...
Do.	1100w ...	Three Star ...	...	12	...	...	...	...	...	...
Do.	1090w ...	Wait-a-bit ...	...	Wdn.	...	...	...	...	...	...
Do.	325w ...	Wycheproof ...	...	15	...	...	...	...	...	...
Do.	36w, 39w, 1008w, 1023w	...	Zoroastrian G. Mines, Ltd.	a. r. p. 52 2 20	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Black Flag	42w ...	Barrier ...	...	Ftd.	...	...	...	...	...	...
Do.	1058w (42w) ...	Barrier ...	...	12	...	...	...	...	...	...
Do.	287w ...	Beer's ...	...	V.N.P.	...	...	...	...	...	...
Do.	499w, 500w ...	...	Black Flag Central G.M. Co.	V.N.P.	...	...	...	...	...	...
Do.	979w, 980w ...	...	Black Flag Consolidated G.Ms., Ltd.	V.N.P.	...	...	...	...	...	...
Do.	1021w ...	...	Black Flag Junction G.M. Co., N.L.	Ftd.	...	...	...	...	...	...
Do.	43w, 52w, 62w, 546w	...	Black Flag Proprietary Co., Ltd.	a. r. p. 72 3 16	50	...	4	12	...	...
Do.	R.C. 79w ...	Black Flag Reward	...	...	...	...	...	...	...	...
Do.	12w, 157w, 185w, 534w	...	Crown United G.Ms., Ltd.	51	10	...	...	...	...	...
Do.	427w ...	...	Devon Consols G.M. Co., N.L.	a. r. p. 16 3 35	...	...	...	...	...	...
Do.	1001w ...	Diamond Jubilee	...	Abd.	...	...	...	...	...	...
Do.	960w, 995w ...	...	Dixie G.Ms., Ltd.	30	...	...	...	...	...	...
Do.	40w, 41w ...	...	Gladiators, Ltd.	38	10	...	...	...	...	...
Do.	1072w ...	Golden Buckle	...	V.N.P.	...	...	...	...	...	...
Do.	41w ...	Golden King	...	20	...	...	...	...	...	...
Do.	1082w (1001w)	Goldsborough	...	V.N.P.	...	...	...	...	...	...
Do.	666w ...	Hope Mine	...	V.N.P.	...	...	...	...	...	...
Do.	47/9w ...	...	Lady Bountiful G.M. Co., N.L.	36	10	...	3	25	450	...
Do.	949w ...	Lady Bountiful Extended	...	Ftd.	...	...	...	...	...	...
Do.	1068w ...	Lady Rose ...	...	V.N.P.	...	...	...	...	...	...
Do.	T.A. 11w ...	...	(Lang, S. C.)	...	...	...	6	10	...	...
Do.	56w, 75w, 122w	Liberty leases	...	56	...	...	...	...	...	...
Do.	1109w (1021w)	Queenslander.	...	12	...	...	...	...	...	...
Do.	1070w ...	Reform ...	...	12	...	...	...	...	...	...
Do.	1041w ...	Rosebery ...	...	Ftd.	...	...	...	...	...	...
Do.	1046w ...	Rose Extended	...	12	...	...	...	...	...	...
Do.	84w, 85w, 119w	Royal Standard leases	...	V.N.P.	...	...	...	...	...	...
Do.	603w, 617w ...	Stacks of Gold leases	...	V.N.P.	...	...	...	...	...	...
Do.	77w ...	Surprise ...	...	Ftd.	...	...	...	...	...	...
Do.	1071w ...	Taipo ...	...	12	...	...	...	...	...	...
Do.	745w ...	Talisman North	...	V.N.P.	...	...	...	...	...	...
Do.	1013w ...	Waimui ...	...	V.N.P.	...	...	...	...	...	...
Do.	779w ...	...	Windermere North G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...
Do.	165w ...	...	W.A. Gold Concessions, Ltd.	12	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Broad Arrow	1010w ...	Arrow Brown Hill	...	V.N.P.	...	...	...	...	...	...
Do.	1006w ...	Arrow Queen	...	V.N.P.	...	...	...	...	...	...
Do.	1029w ...	Blue Bell ...	...	Ftd.	...	...	...	...	...	...
Do.	...	Broad Arrow Deep Lead...	...	...	...	...	...	...	...	...
Do.	1051w ...	Bulimba ...	...	Ref.	...	...	...	...	...	...
Do.	147w ...	...	Coolgardie Mining Co., Ltd.	24	...	...	...	...	...	...
Do.	142w, 225/6w	...	Credo Gold Mines, Limited	a. r. p. 38 1 23	...	...	...	...	...	...
Do.	...	...	Do. do.	...	...	...	...	...	...	...
Do.	195w ...	Devon ...	...	Ftd.	...	...	...	...	...	...
Do.	994w ...	Federation ...	...	V.N.P.	...	...	...	...	...	...
Do.	3w, 138w, 139w, 173w, 1000w	...	Golden Arrow Mines, Ltd.	59	20	...	...	...	...	...
Do.	1094w ...	Golden Calf	...	6	...	...	...	...	...	...
Do.	765w ...	Golden Crown	...	Ftd.	...	...	...	...	...	...
Do.	1084w (765w)	Golden Crown	...	Ftd.	...	...	...	...	...	...
Do.	690w ...	Hill End West	...	18	...	...	...	...	...	...
Do.	999w ...	Jubilee ...	...	V.N.P.	...	...	...	...	...	...
Do.	1065w ...	Klondyke ...	...	V.N.P.	...	...	...	...	...	...
Do.	1062w ...	Lady Florence	...	Ftd.	...	...	...	...	...	...
Do.	291w ...	Pride of Arrow	...	Ftd.	...	...	...	...	...	...
			Carried forward ...	...	145	...	14	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	54.50	7,788.30	5,253.62	...	98.66	3,301.00	2,504.19	...	153.16	11,089.30	7,757.81	...			
...	...	50.00	14.00	...	...	89.00	91.05	...	...	139.00	105.05	...	...	...	...
...	2.15	60.00	12.60	...	...	...	...	...	2.15	60.00	12.60	...	...	...	...
...	...	63.90	32.65	...	...	12.00	1.25	...	...	12.00	1.25	...	...	...	...
...	...	200.00	224.84	...	...	36.00	42.15	...	...	99.90	74.80	...	...	...	...
...	...	41.50	51.83	...	...	112.00	164.00	...	...	312.00	388.84	...	...	...	...
...	...	70.00	43.05	...	...	...	...	...	...	41.50	51.83	...	...	...	...
...	261.00	315.70	...	...	261.00	315.70	...	...	...	...
...	70.00	...	...	...	70.00	43.05	...	...	...	...
...	40.00	80.00	...	...	40.00	80.00	...	...	...	...
...	55.00	8.35	...	...	55.00	8.35	...	...	...	...
...	105.00	114.27	...	...	105.00	114.27	...	...	...	...
...	57.50	31.15	...	...	57.50	31.15	...	...	...	...
...	...	2,319.00	{ 1,011.98 } { pt. 1.99 }	...	...	9,955.00	3,207.99	...	...	12,274.00	4,221.96	...	3	8	0
13.10	...	395.00	495.01	...	...	...	...	13.10	...	395.00	495.01	...	...	...	...
...	1,864.00	754.62	...	...	1,864.00	754.62	...	...	...	...
33.00	9.60	...	...	...	8.51	1.00	500.00	33.00	18.11	1.00	500.00	...	...	...	...
...	42.15	124.35	...	...	42.15	124.35	...	...	...	...
...	...	500.00	801.14	...	...	542.75	1,349.36	...	...	1,042.75	2,150.50	...	3	18	0
...	...	414.00	151.95	...	...	...	...	...	...	414.00	151.95	...	...	...	...
...	40.00	21.35	...	...	40.00	21.35	...	...	...	...
...	157.00	137.80	...	...	157.00	137.80	...	...	...	...
...	...	12.15	18.20	...	...	20.00	25.25	...	...	32.15	43.45	...	...	...	...
...	5.00	1.76	...	...	5.00	1.76	...	...	...	...
...	...	351.00	{ 2,268.95 } { pt. 92.10 }	...	...	2,747.65	4,458.16	...	...	3,098.65	6,819.21	...	3	7	6
...	...	16.50	24.60	...	...	...	...	...	...	16.50	24.60	...	...	...	...
...	14.35	8.20	...	...	14.35	8.20	...	...	...	...
...	cy 160.09	...	...	...	...	...	...	...	160.09	...	...	...	...
...	...	130.00	48.00	...	...	298.90	425.90	...	...	298.90	425.90	...	...	...	...
...	130.00	48.00	...	...	...	...
...	26.30	46.00	51.78	...	26.30	46.00	51.78	...	...	...	...
...	11.00	5.61	...	...	11.00	5.61	...	...	...	...
...	...	13.40	8.48	...	...	34.76	41.30	...	...	48.16	49.78	...	...	...	...
...	cy. 150.00	...	...	613.10	221.67	...	...	613.10	371.67	...	...	...	...
...	2.50	1.50	...	...	2.50	1.50	...	...	...	...
...	35.00	30.40	...	...	35.00	30.40	...	...	...	...
...	40.00	21.00	172.70	...	27.55	4.00	10.21	...	67.55	25.00	182.91	...	...	...	...
...	506.00	64.00	...	...	506.00	64.00	...	...	...	...
...	23.00	14.58	...	...	23.00	14.58	...	...	...	...
...	5.00	3.19	...	...	5.00	3.19	...	...	...	...
...	185.10	198.25	...	...	185.10	198.25	...	...	...	...
...	2.00	249.30	195.43	...	...	68.00	51.90	...	2.00	317.30	247.33	...	...	...	...
...	5.00	6.75	12.73	...	...	55.00	95.24	...	5.00	61.75	107.97	...	...	...	...
...	20.00	4.59	...	...	20.00	4.59	...	...	...	...
...	...	20.00	7.00	...	...	30.00	15.58	...	...	50.00	22.58	...	...	...	...
65.09	...	990.25	1,346.64	...	...	...	...	65.09	...	990.25	1,346.64	...	...	...	...
...	31.00	10.05	...	...	31.00	10.05	...	...	...	...
...	...	95.00	70.00	...	...	10.00	18.00	...	...	105.00	88.00	...	...	...	...
...	...	76.35	60.10	...	...	154.00	448.90	...	...	230.35	509.00	...	...	...	...
...	†	†
...	8.00	3.00	...	...	8.00	3.00	...	...	...	...
...	38.50	37.50	...	...	38.50	37.50	...	...	...	...
...	...	2,440.00	955.84	...	...	1,575.75	1,081.00	...	...	4,015.75	2,036.84	...	...	...	...
...	1.23	65.00	53.34	...	...	...	...	...	1.23	65.00	53.34	...	...	...	...
...	326.50	412.54	...	...	326.50	412.54	...	...	...	...
...	...	135.00	71.42	...	...	...	...	...	...	135.00	71.42	...	...	...	...
...	9.45	34.00	26.80	...	...	69.80	382.29	...	9.45	103.80	409.09	...	...	...	...
...	8.65	8.05	...	...	8.65	8.05	...	...	...	...
...	6.00	18.21	...	...	6.00	18.21	...	...	...	...
...	15.00	6.39	...	...	15.00	6.39	...	...	...	...
...	25.00	26.40	...	...	25.00	26.40	...	...	...	...
111.19	123.93	16,557.40	13,837.08	...	161.02	23,662.96	17,628.98	111.19	284.95	40,220.36	31,466.06	...	...	...	...

† 250ozs. from unknown tons.

TABLE II.—Return of

Broad Arrow

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...	...	145	...	14	...	...	...
Broad Arrow	76w ...	Light of the Swan ...	...	24	...	...	...	...	...	...
Do.	1095w ...	Lord Wolseley ...	...	5	...	...	...	...	...	...
Do.	2w ...	...	New Austral Co., Ltd.	7 1 27	...	61	6	48	1,200	...
Do.	134w, 135w ...	Railway Venture ...	Northam Milling and Mining Co., Ltd.	18	20	...	...	...	...	...
Do.	911w ...	Pootilla ...	...	V.N.P.	...	...	...	...	...	...
Do.	227w ...	Queen of Beauty ...	...	V.N.P.	...	...	...	...	...	...
Do.	1107w ...	St. Patrick ...	...	5	...	...	...	...	...	...
Do.	131w ...	South Star ...	Northam Milling and Mining Co., Ltd.	12	...	...	...	...	...	...
Do.	1047w ...	Star of W.A. ...	...	18	...	...	...	...	...	...
Do.	1027w ...	Valhalla ...	...	12	...	...	...	...	...	...
Do.	643w ...	Victory ...	...	6	...	...	...	...	...	...
Do.	1080w ...	Volunteer ...	...	Wdn.	...	...	...	...	...	...
Do.	1054w ...	W.A. Money Market ...	...	Ftd.	...	...	...	...	...	...
Do.	1028w ...	...	Mysore Harnhalli G.M. Co., Ltd.	12	...	...	...	...	...	...
Do.	...	Sundry claims ...	...	...	...	...	...	...	...	...
Paddington	978w ...	...	Minnie Palmer Sth. G.M. Co.	Ftd.	...	...	...	...	...	...
Do.	44w ...	...	Mona Gold Mine, Ltd.	12	10	...	...	...	...	...
Do.	45w ...	Mount Corlie ...	...	12	...	...	...	...	...	...
Do.	58w, 59w ...	...	New Arrow Proprietary Gold Mines, W.A., Ltd.	48	10	...	...	...	...	...
Do.	{ 53w, 57w, 60/1w 128w, 1050w, 1063w, 1105w }	...	Paddington Consols, Ltd.	a. r. p. 108 2 37	40	...	10	75	4,000	...
Do.	...	Paddington Deep Lead ...	...	...	...	...	...	...	...	...
Do.	80w ...	Pakeha ...	...	12	3	...	...	...	...	...
Smithfield	997w ...	Golden Coin ...	...	Ftd.	...	...	...	...	...	...
Do.	755w ...	Kingsley Hall Junction ...	...	V.N.P.	...	...	...	...	...	...
Do.	172w ...	...	Kingsley Hall Reward G.M. Co., N.L.	Ftd.	...	...	...	...	...	...
Do.	81w ...	...	King of the West G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...
Do.	888w ...	Queen of Queens ...	...	V.N.P.	...	...	...	...	...	...
Do.	1002w ...	Queen Victoria ...	...	V.N.P.	...	...	...	...	...	...
Do.	...	Sundry claims ...	...	...	...	...	...	...	...	...
		<i>From Goldfield generally—</i>								
		Sundry parcels treated at	Black Flag Propy. Battery	...	...	...	...	...	...	...
		Do. do.	Excelsior Battery ...	...	...	...	...	...	...	...
		Do. do.	Great Boulder No. 1 Battery	...	...	...	...	...	...	...
		Do. do.	Half-Mile Reef Battery ...	...	...	...	...	...	...	...
		Do. do.	Hanman's Reward Battery ...	...	...	...	...	...	...	...
		Do. do.	Kalgoorlie Crushing and Cy. Works	...	...	...	...	...	...	...
		Do. do.	Lady Bountiful Battery ...	...	...	...	...	...	...	...
		Do. do.	Lake View South Battery ...	...	...	...	...	...	...	...
		Do. do.	Mona Battery ...	...	...	...	...	...	...	...
		Do. do.	Nerrin Nerrin Battery ...	...	...	...	...	...	...	...
		Do. do.	New Arrow Propy. Battery	...	...	...	...	...	...	...
		Do. do.	Railway Venture Battery ...	...	...	...	...	...	...	...
		Do. do.	Seabrook Battery, Northam	...	...	...	...	...	...	...
			Total ...	...	228	1	30	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
111.19	123.93	16,557.40	13,837.08	...	161.02	23,662.96	17,628.98	111.19	284.95	40,220.36	31,466.06	...	
...	...	56.00	30.75	...	...	60.00	33.70	...	...	116.00	64.45	.55	3 17 10½
...	...	87.00	103.50	...	...	...	...	...	...	87.00	103.50	1.19	
...	...	9,509.00	7,729.21	...	...	8,821.50	18,638.98	...	...	18,330.50	26,579.16	1.45	
...	...	1,791.75	747.85	...	...	122.00	77.35	...	...	1,913.75	825.20	.43	
...	67.00	68.54	...	...	67.00	68.54	1.02	
...	51.00	46.90	...	...	51.00	46.90	.92	
...	74.00	...	...	...	...	...	...	...	74.00	...	...	...
...	...	635.80	384.50	...	...	393.60	1,164.85	...	...	1,029.40	1,549.35	1.50	
...	...	2,911.00	2,688.10	...	136.60	1,233.00	1,870.40	...	136.60	4,144.00	4,558.50	1.10	3 17 10
...	...	118.65	107.05	...	...	195.25	424.86	...	...	313.90	531.91	1.69	
...	10.00	22.15	...	...	10.00	22.15	2.21	
...	20.25	10.05	...	...	20.25	10.05	.49	
...	13.00	4.75	...	...	13.00	4.75	.36	
...	...	28.00	31.72	...	...	...	...	...	...	28.00	31.72	1.13	3 15 6
...	...	123.75	59.44	...	...	53.00	30.70	...	...	176.75	90.14	...	
...	30.00	10.60	...	...	30.00	10.60	.35	
...	...	14.00	5.90	...	...	110.00	124.20	...	...	124.00	130.10	1.04	
...	...	431.00	331.15	...	...	1,211.00	753.68	...	...	1,642.00	1,084.83	.66	3 14 6
...	50.00	12.75	...	...	50.00	12.75	.25	
...	...	19,552.00	8,574.94	...	...	15,990.00	8,106.60	...	...	35,542.00	16,681.54	.46	3 10 11
3.02	...	780.60	2,731.06	...	...	...	...	3.02	...	780.60	2,731.06	3.49	
...	...	536.90	376.50	...	...	...	...	...	...	536.90	376.50	.70	
...	40.00	83.61	...	...	40.00	83.61	2.09	
...	1.00	1.00	...	...	1.00	1.00	1.00	
...	30.00	16.00	...	...	30.00	16.00	.53	
...	850.00	60.00	...	...	850.00	60.00	.07	
...	50.00	50.00	...	...	50.00	50.00	1.00	
...	56.00	17.70	...	...	56.00	17.70	.31	
...	20.00	10.58	...	...	20.00	10.58	...	
...	...	5.00	2.31	...	...	...	...	...	...	5.00	2.31	...	
...	...	22.00	16.04	...	...	...	...	...	...	22.00	16.04	...	
...	...	53.00	60.50	...	...	...	...	...	...	53.00	60.50	...	
...	...	30.00	14.22	...	...	16.00	11.80	...	...	46.00	26.02	...	
...	...	728.75	1,227.51	109.75	...	20.00	8.28	109.75	...	748.75	1,235.79	...	
...	...	10.50	6.85	...	...	...	...	...	...	10.50	6.85	...	
...	...	24.00	15.08	...	...	...	...	...	...	24.00	15.08	...	
...	...	1,219.50	2,000.84	563.21	...	...	...	563.21	...	1,219.50	2,000.84	...	
...	...	1,569.25	2,954.89	...	...	...	...	...	...	1,569.25	2,954.89	...	
...	...	310.50	146.76	...	...	...	...	...	...	310.50	146.76	...	
...	...	1,888.00	2,541.45	...	...	...	...	...	...	1,888.00	2,541.45	...	
...	...	30.30	13.07	...	...	...	...	...	...	30.30	13.07	...	
...	...	952.75	933.00	810.63	...	...	...	810.63	...	952.75	933.00	...	
114.21	197.93	59,976.40	47,882.24	1,433.59	297.62	53,176.56	49,289.01	1,597.80	495.55	113,152.96	197,171.25	.85	

‡ Also 250ozs. from unknown tons.

North-East Coolgardie

KANOWNA

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.						
					Milling.		Cyaniding.				
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	
Black Swan	824x	Black Swan	...	Ftd.							
Do.	864x	...	Turn of the Tide Dev. Syndicate, Ltd.	12							
Gambier	898x	Brilliant	...	12							
Do.	434x	Camelia	...	24							
Do.	139x, 720/1x	...	Hodgkinson G.M. Co., Ltd.	V.N.P.							
Do.	681x	Primrose	...	12							
Gordon	249x, 273x	Called Back leases	...	V.N.P.							
Do.	259x	Doyle	...	V.N.P.							
Do.	287x, 338x, 344x	...	General Gordon G.M. Co., N.L.	V.N.P.							
Do.	696x	Golden Rainbow	...	24							
Do.	837x	Koh-i-Noor	...	12							
Do.	846x	Mount Eba	...	Ftd.							
Do.	881x, (846x)	Mount Eba	...	Ftd.							
Do.	945x, (881x)	Mount Eba	...	12							
Do.	891x, (287x)	Sirdar	...	12	10						
Hayes New Find	624x	...	Bulletin G.M. Co., N.L.	Ftd.							
Do.	838x	Cosmopolite	...	V.N.P.							
Do.	844x	Diamond Jubilee	...	12							
Do.	869x	Diamond Jubilee Extended	...	12							
Do.	835x, M.A., 30x	Golden Puzzle	...	V.N.P.	5						
Do.	687x	Great Day Dawn	...	V.N.P.							
Do.	871x	Homeward Bound	...	1							
Do.	883x, (838x)	Homeward Bound Extd.	...	1							
Do.	727x	Laurel	...	V.N.P.							
Do.	937x, (727x)	Laurel	...	6							
Do.	523x	Rising Star	...	V.N.P.							
Do.	392x, 394x, 396x (397x)	South Gippsland leases	...	60	10						
Do.	760x	Spring Bank	...	Ftd.							
Do.	834x	Vanity	...	V.N.P.							
Do.	848x	Vanity North	...	V.N.P.							
Do.	847x	Whitehead's Find	...	12							
Do.	...	Sundry claims	...	...					
Kanowna	785x	Alberta	...	V.N.P.							
Do.	35x, 64x, 345x	...	Ballarat and Prince Oscar Syndicate, Limited	40							
Do.	92x, 96x	...	Bonnie Charlie G.M. Co., N.L.	24	10						
Do.	129x, 216x	...	Bonnie Charlie Central G.M. Co., N.L.	21							
Do.	849x	...	Bonnie Charlie North G.M. Co., N.L.	12							
Do.	120x	...	Broad Arrow Gold Co., Ltd.	12							
Do.	856x	Commonwealth	...	V.N.P.							
Do.	784x	Fitzroy Cement	...	5							
Do.	83x, 180x, 200/1x	...	Golden Cement Claims	33							
Do.	38x, 55x	...	Golden Crown, Limited	26							
Do.	75x	Golden Feather	...	12							
Do.	680x	Golden Rod	...	Abd.							
Do.	367x, 510x, 821x	...	Golden Valley Mines of W.A. Limited	60	10	h1					
Do.	832x	Jubilee	...	V.N.P.							
Do.	134x, 285x, 808x 886x	...	Kanowna Carbine G.M. Co., N.L.	69	10		2	50			
Do.	808x	...	Kanowna Champion Lode G.M. Syndicate, Limited	21							
Do.	923x	Kanowna North Lead Lode Amalgamated	...	12							
Do.	894x	Kanowna Perseverance	...	5							
Do.	187x, 456x	...	London and Coolgardie Ex- plorers, Limited	29	10						
Do.	18x, 19x, (314x)	...	Lily Australis G.Ms., Ltd.	24							
Do.	822x	New Chum	...	a. r. p. 4 1 27							
Do.	40x	...	New Fitzroy G.M. Co., N.L.	12		h1					
Do.	39x, 160x	...	North Golden Crown, Ltd.	V.N.P.							
Do.	942x	North Lead Central	...	12							
Do.	3x, 46x, 60x, 81x	...	North White Feather Con- solidated G. Ms., Ltd.	a. r. p. 47 3 36	20						
			Carried forward	...	85	2	2				

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	25-00	34-40	...	...	25-00	34-40	1-37	
...	...	35-00	45-33	...	...	10-00	11-10	...	...	45-00	56-43	1-25	3 13 6
...	33-55	...	...	...	...	...	...	...	33-55	...	...	...
...	...	77-50	94-20	...	...	165-00	292-15	...	...	242-50	386-35	1-59	
...	1-00	4-00	...	...	1-00	4-00	4-00	
...	124-00	135-88	...	...	124-00	135-88	1-09	
...	9-00	14-00	...	...	9-00	14-00	1-55	
...	...	1-00	7-36	...	...	5-00	1-25	...	...	5-00	1-25	1-25	
...	53-25	40-77	...	...	54-25	48-13	1-88	
...	3-00	5-79	...	...	3-00	5-79	1-93	
...	...	58-00	46-03	...	...	35-00	18-30	...	...	93-00	64-33	1-69	
...	93-75	40-25	...	...	93-75	40-25	1-42	
...	...	5-00	2-90	...	...	...	...	...	...	5-00	2-90	1-58	
...	...	8-00	4-39	...	...	...	...	...	...	8-00	4-39	1-54	
...	11-00	...	...	...	...	...	...	...	11-00	...	...	...
...	49-75	11-35	...	...	49-75	11-35	1-22	
...	42-00	25-64	...	...	42-00	25-64	1-61	
...	...	16-50	20-95	...	...	178-50	328-60	...	...	195-00	349-55	1-79	
...	...	44-50	48-80	...	...	22-50	13-00	...	...	67-00	61-80	1-92	
...	...	20-00	12-75	...	...	26-00	8-19	...	...	46-00	20-94	1-45	
...	48-50	24-71	...	...	48-50	24-71	1-50	
...	...	19-25	22-00	...	...	153-55	145-80	...	...	172-80	167-80	1-97	3 16 8
...	...	30-00	48-90	...	...	...	...	...	...	30-00	48-90	1-63	
...	...	24-00	15-20	...	...	46-00	29-05	...	...	70-00	44-25	1-63	
...	...	32-00	26-05	...	...	...	...	...	...	32-00	26-05	1-81	
...	50-00	50-00	...	...	50-00	50-00	1-00	
...	...	1,318-00	1,811-70	...	...	1,528-00	1,877-29	...	...	2,846-00	3,688-99	1-29	3 16 8
...	50-00	36-00	...	...	50-00	36-00	1-72	
...	17-50	19-67	...	...	17-50	19-67	1-12	
...	27-00	32-05	...	...	27-00	32-05	1-18	
...	...	226-50	362-20	...	22-00	50-50	128-12	...	22-00	277-00	490-32	1-77	4 1 0 1/2
...	...	64-50	49-10	...	...	8-50	9-95	...	...	73-00	59-05	1-00	
...	2-00	3-85	...	...	2-00	3-85	1-92	
...	...	985-00	1,017-48	...	...	242-00	135-44	...	...	1,227-00	1,152-92	1-93	
...	...	240-00	33-94	...	...	120-50	127-33	...	...	360-50	161-27	1-44	3 18 9
...	...	50-00	66-64	...	...	...	...	...	...	50-00	66-64	1-33	
...	...	10-00	5-00	...	...	...	...	...	...	10-00	5-00	1-50	
...	...	190-00	101-43	...	...	...	...	...	...	190-00	101-43	1-53	
...	20-00	2-00	...	...	20-00	2-00	1-10	
...	46-50	119-75	145-50	...	294-16	228-30	1,321-41	...	340-66	348-05	1,466-91	1-21	
...	...	1,701-00	728-12	...	...	4,147-00	2,113-23	...	...	5,848-00	2,841-35	1-48	
...	...	189-00	329-02	...	...	1,015-00	1,266-00	...	...	1,204-00	1,595-02	1-32	
...	12	61-50	161-47	...	...	175-00	301-89	...	12	236-50	463-36	1-95	
...	22-50	28-50	...	...	22-50	28-50	1-26	
...	...	894-00	394-49	...	...	2,652-00	878-36	...	...	3,546-00	1,272-85	1-35	3 18 0
...	25-00	19-60	...	...	25-00	19-60	1-78	
...	...	84-00	225-56 pl.34-88 45-30	...	...	700-50	660-50	...	...	784-50	926-24	1-18	
...	12-00	1-15	...	...	12-00	1-15	1-09	
...	...	138-00	66-34	...	...	...	...	...	...	138-00	66-34	1-48	4 2 0
...	...	20-00	6-15	...	...	...	...	...	...	20-00	6-15	1-30	
...	...	3,546-00	2,462-36	...	...	885-50	698-15	...	...	4,431-50	3,160-51	1-71	
...	197-00	130-10	...	...	197-00	130-10	1-66	
...	...	34-00	16-36	...	...	68-50	93-10	...	...	102-50	109-46	1-06	
...	...	28-25	9-30	...	2-07	28-00	88-00	...	2-07	56-25	97-30	1-72	
...	87-00	18-00	...	...	87-00	18-00	1-20	
...	...	37-00	19-30	...	...	...	...	...	...	37-00	19-30	1-52	4 1 1 1/2
...	465-00	332-19	...	...	465-00	332-19	1-71	
...	91-17	10,307-25	8,446-50	...	318-23	13,915-10	11,556-11	...	409-40	24,222-35	20,002-61	...	

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	91.17	10,307.25	8,446.50	...	318.23	13,915.10	11,556.11	...	409.40	24,222.35	20,002.61	...			
...	...	128.50	53.01	...	...	39.00	18.25	...	...	167.50	71.26	...			
...	100.00	42.85	...	...	100.00	42.85	...			
...	...	79.00	106.76	...	...	8,800.00	10,191.28	...	...	8,879.00	10,298.04	1.15	2	5	6
...	...	20.00	13.65	...	...	...	...	...	...	20.00	13.65	...			
...	pl. 155.60	...	...	253.00	42.75	...	...	253.00	198.35	...			
...	...	541.00	646.20	...	...	593.00	1,180.99	...	...	1,134.00	1,827.19	1.61	3	14	4
...	...	160.00	72.75	...	...	...	...	...	...	160.00	72.75	...			
...	...	102.50	61.37	...	...	846.05	843.80	...	...	948.55	905.17	...			
...	...	47.00	36.47	...	...	146.00	129.09	...	...	193.00	165.56	...			
...	...	10,286.00	11,771.89	...	...	13,037.00	12,022.20	...	...	23,323.00	23,794.09	1.02	3	7	7
...	...	275.00	101.05	...	...	12,032.00	11,463.55	...	...	12,307.00	11,564.60	...			
...	...	820.50	893.54	...	...	...	...	...	...	820.50	893.54	...			
...	441.05	11.00	92.75	...	...	2,215.00	1,135.25	...	441.05	2,226.00	1,228.00	...			
...	50.00	50.42	...	...	50.00	50.42	1.00			
...	20.00	4.04	...	...	20.00	4.04	...			
...	6.50	10.00	2.65	...	6.50	10.00	2.65	...			
...	100.00	9.00	24.35	...	...	...	...	...	100.00	9.00	24.35	2.70			
...	49.50	149.25	...	...	49.50	149.25	...			
...	...	8.00	8.30	...	...	18.00	17.35	...	...	26.00	25.65	...			
...	14.00	182.00	...	...	14.00	182.00	...			
...	77.50	90.25	...	...	77.50	90.25	...			
...	8.50	13.60	...	...	8.50	13.60	...			
...	632.22	22,794.75	22,484.19	...	324.73	52,223.65	49,135.68	...	956.95	75,018.40	71,619.87	...			
262.50	1.00	11,139.90	10,241.49	...	...	...	...	262.50	1.00	11,139.90	10,241.49	...			
...	...	266.00	196.20	...	...	...	...	...	...	266.00	196.20	...			
...	2,350.08	1,566.15	...	...	2,350.08	1,566.15	...			
...	...	5,006.50	4,514.26	...	...	3,879.20	5,829.31	...	...	8,885.70	10,343.57	...			
...	...	1,163.00	677.41	...	...	575.00	549.95	...	...	1,738.00	1,227.36	...			
...	...	293.00	139.12	...	...	3,198.70	6,172.28	...	...	3,491.70	6,311.40	...			
...	(166.00 )	...	...	2,007.25	2,802.78	...	...	2,007.25	2,989.63	...			
...	...	333.00	93.22	...	...	...	...	...	...	333.00	93.22	...			
...	84.15	14.11	...	...	84.15	14.11	...			
...	...	756.30	412.74	...	...	1,196.00	1,695.77	...	...	1,952.30	2,108.51	...			
...	...	459.00	327.18	...	...	353.00	332.54	...	...	812.00	659.72	...			
...	48.00	35.00	...	...	48.00	35.00	...			
...			
...	...	18.00	2.80	...	...	...	...	...	...	18.00	2.80	...			
...	...	572.50	335.53	...	...	...	...	...	...	572.50	335.53	...			
...			
...			
...	...	4,842.15	3,620.53	...	...	4,218.00	4,737.91	...	...	9,060.15	8,358.44	...			
...	...	7,997.50	6,693.60	...	...	5,848.95	7,964.30	...	...	13,846.45	14,657.90	...			
...	...	209.50	161.07	...	...	...	...	...	...	209.50	161.07	...			
262.50	633.22	55,851.10	50,086.19	...	324.73	75,981.98	80,835.78	262.50	957.95	131,833.08	130,921.97	...			

TABLE II.—Return of
North-East Coolgardie
KANOWNA

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ... ..	...	191	9	8	Tons.	Tons.	...
		§Cement from Alluvial Claims treated locally (not reported by owners)—								
		At Six-mile Works (W.R. 46x)								
		At Waldon's Find Works								
		At White Feather Reward Works								
		At Wilson's Works (alluvial claim)				81				
		§Cement from Alluvial Claims treated outside the district—								
		At Brookman Bros.' Boulder Works, Boulder								
		At Coolgardie Exhibition Works, Coolgardie								
		At Cosgrove Bayley's Works, Coolgardie								
		At Flagstaff Works, Coolgardie								
		At Great Boulder No. 1 Works, Boulder								
		At Hannan's Reward Works, Kalgoorlie								
		At Haycraft Gold Reduction Works, Kalgoorlie								
		At Kalgoorlie Crushing and Cyaniding Works, Kalgoorlie								
		At Kalgoorlie Mint and Iron King Works, Boulder								
		At Lake View South Works, Boulder								
		At Leviathan Filter Press and Cyanide Works, Kalgoorlie (late Kalgoorlie Crushing and Cyaniding Works)								
		At Seabrook Works, Northam								
		Alluvial per Banks, etc.								
		Notices of Purchase								
		Total			191	10	8	...	...	...

§ Does not represent the total treatments at these works.

BULONG

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Balagundi	725y (680y)	Caledonian		12						
Do.	702y	Johannesburg		24						
Do.	204y	Mt. Alexander		Ftd.						
Do.	680y, (204y)	Mt. Alexander		Ftd.						
Do. ... ..	...	Sundry Claims								
Bulong	615y		Bulong Mining, Tramway and Ore Reduction Co., W.A., Ltd.	Ftd.						
Do.	715y	Commonwealth		6						
Do.	715y	Federation		24						
Do. ... ..	...	Government Public Battery			20					
Do.	507y		Great Eastern G.M. Co., N.L.	18						
Do.	70y		Great Oversight G.M. Co., N.L.	Ftd.						
Do.	362y (363y)	Green Lode		18						
Do.	M.A. 26y		Holt's Battery		10					
Do.	687y	Last Chance		18						
Do.	11y, 36y		(Melbourne United G.M. Co., N.L.)	18						
Do.	729y	Myrtree		12						
Do.	507y	Mystery North		18						
Do.	695y	Newstead		12						
Do.	688y	Ninety-eight		6						
Do.	74y, 564y		Princess Margaret G.M. Co., N.L.	30						
Do.	9y, 11y, 36y, 74y, 142y		Queen Margaret G.M. Co., Ltd.	60	20					
Do.	205y		Queen Margaret No. 1 South G.M. Co., N.L.	12						
			Carried forward		50					

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
262·50	633·22	55,851·10	50,086·19	...	324·73	75,981·98	80,835·78	262·50	957·95	131,833·08	130,921·97	...	
...	...	114·00	50·10	...	...	...	...	...	...	114·00	50·10	...	
...	...	200·00	125·96	...	...	1,503·95	1,299·12	...	...	1,703·95	1,425·08	...	
...	...	562·50	493·97	...	...	1,786·00	1,638·34	...	...	2,348·50	2,132·31	...	
...	
...	...	1,442·50	1,051·35	...	...	...	...	...	...	1,442·50	1,051·35	...	
...	...	5·15	6·95	...	...	...	...	...	...	5·15	6·95	...	
...	...	1·00	21·25	...	...	...	...	...	...	1·00	21·25	...	
...	...	424·00	250·51	...	...	...	...	...	...	424·00	250·51	...	
...	...	3,266·50	3,316·61	...	...	1,989·50	2,358·22	...	...	5,256·00	5,674·83	...	
...	...	107·75	100·25	...	...	5,154·35	9,508·07	...	...	5,262·10	9,608·32	...	
...	272·50	730·13	...	...	272·50	730·13	...	
...	...	31·00	44·00	...	...	582·85	675·27	...	...	613·85	719·27	...	
...	529·00	49·31	...	...	529·00	849·31	...	
...	...	1,939·20	2,237·55	...	...	6,042·75	14,789·33	...	...	7,981·95	17,026·88	...	
...	526·00	1,104·00	...	...	526·00	1,104·00	...	
...	...	280·00	193·81	...	...	3,838·00	3,531·65	...	...	4,118·00	3,725·46	...	
19,066·69	74,153·44	...	...	...	93,220·13	...	...	...	...
133·10	133·10	...	...	...	...
19,462·29	633·22	64,224·70	57,778·50	74,153·44	324·73	98,206·88	117,319·22	93,615·73	957·95	162,431·58	175,297·72	1·07	

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	...	20·00	20·20	...	...	...	...	...	...	20·00	20·20	1·01	
...	...	20·00	8·65	...	...	...	...	...	...	20·00	8·65	·43	
...	8·50	19·00	...	...	8·50	19·00	2·23	
...	5·00	...	...	...	...	...	...	...	5·00	...	...	...
...	...	5·00	2·20	...	...	...	...	...	...	5·00	2·20	...	
...	40·00	7·00	...	...	40·00	7·00	·17	
...	...	68·00	44·52	...	...	...	...	...	...	68·00	44·52	·65	
...	...	17·00	55·20	...	...	...	...	...	...	17·00	55·20	3·24	
...	
...	...	108·00	23·62	...	...	80·00	40·90	...	...	188·00	64·52	·34	
...	442·00	349·68	...	...	442·00	349·68	·79	
7·30	...	623·00	163·41	...	...	190·00	118·60	7·30	...	813·00	282·01	·34	
6·20	...	76·00	36·93	...	...	...	...	6·20	...	76·00	36·93	·48	
...	236·20	230·73	...	...	236·20	230·73	·97	
...	...	30·00	3·62	...	...	...	...	...	...	30·00	3·62	·12	
...	...	107·00	10·30	...	...	...	...	...	...	107·00	10·30	·09	
53·30	580·45	20·00	43·50	...	...	...	...	53·30	580·45	20·00	43·50	2·17	
...	17·00	166·00	187·87	...	70·00	34·50	81·76	...	87·00	200·50	269·63	1·34	
...	632·00	1,097·75	...	...	632·00	1,097·75	1·73	
...	...	9,771·00	10,235·31	...	...	11,507·25	15,841·99	...	...	21,278·25	26,077·30	1·22	3 16 1
...	...	106·00	880·00	...	...	...	...	...	...	106·00	880·00	8·30	
66·80	602·45	11,137·00	11,715·33	...	70·00	13,170·45	17,787·41	66·80	672·45	24,307·45	29,502·74	...	

TABLE II.—Return of
North-East Coolgardie
BULONG

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...	...	50	...	...	Tons.	Tons.	...
Bulong ...	95Y ...	...	Queen Margaret South G.M. Co., N.L.	24	...	...	...	...	...	...
Do.	595Y ...	...	Queen Margaret South Ex- tended G.M. Co., N.L.	24	...	...	...	...	...	...
Do.	681Y ...	Slug Hill ...	...	24	...	...	...	...	...	...
Do.	683Y (615Y) ...	Star of the East ...	...	6	...	...	...	...	...	...
Do.	704Y ...	Stratford ...	...	18	...	...	...	...	...	...
Do.	722Y ...	Troyton ...	...	12	...	...	...	...	...	...
Do.	14Y ...	White Horse ...	...	12	...	...	...	...	...	...
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Mt. Monger ...	679Y ...	Black Hill ...	...	V.N.P.	...	...	...	...	...	...
Do.	685Y ...	Great Charters Towers ...	...	V.N.P.	...	...	...	...	...	...
Do.	673Y ...	Providence ...	...	V.N.P.	...	...	...	...	...	...
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Taurus ...	710Y ...	Bourke's United ...	...	18	...	...	...	...	...	...
Do.	83Y, 500Y ...	Fremantle leases ...	...	Ftd.	...	...	...	...	...	...
Do.	22Y, 42Y ...	...	Great Reefs Ltd.	V.N.P.	...	...	...	...	...	...
Do.	657Y ...	Lady Ann ...	...	V.N.P.	...	...	...	...	...	...
Do.	690Y (500Y) ...	Macquarie ...	...	V.N.P.	...	...	...	...	...	...
Do.	706Y (22Y, 42Y, 83Y) ...	Macquarie Extd. ...	...	12	...	...	...	...	...	...
Do.	637Y ...	Mt. Craig ...	...	Ftd.	...	...	...	...	...	...
Do.	720Y ...	Pyrites King ...	...	24	...	...	...	...	...	...
Do.	736Y ...	Rangatiri ...	...	5	...	...	...	...	...	...
Do.	686Y (558Y) ...	Sunrise ...	...	V.N.P.	...	...	...	...	...	...
Do.	506Y, 558Y ...	...	Trafalgar G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...
Do.	699Y ...	Victoria ...	...	6	...	...	...	...	...	...
Do.	724Y ...	Victoria North ...	...	Abd.	...	...	...	...	...	...
Do.	703Y ...	Victorian ...	...	5	...	...	...	...	...	...
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Do.	...	Sundry Parcels treated at Do. do.	Holt's Battery (M.A. 26Y) Government Public Battery, Bulong	...	...	...	...	...	...	...
Do.	...	Alluvial per banks, etc. ...	...	...	...	...	...	...	...	...
Do.	...	Notices of Purchase ...	...	...	...	...	...	...	...	...
			Total ...	...	50	...	...	...	...	...

KURNALPI

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Jubilee ...	137K ...	Iron Prince ...	...	12	...	...	...	...	...	...
Do.	220K, M.A. 1K	Jubilee Gift South ...	(Mountain Maid and Iron Prince G.M.s., Ltd.)	27	...	1	...	...	...	...
Do.	40EK ...	Lord Salisbury ...	...	V.N.P.	...	...	...	...	...	...
Do.	16K ...	Mountain Maid ...	...	V.N.P.	...	...	...	...	...	...
Kurnalpi	221K ...	Bravo ...	...	V.N.P.	...	...	...	...	...	...
Do.	228K ...	...	Brophy's Kurnalpi Consols G.M. Co., N.L.	Ftd.	...	...	...	...	...	...
Do.	242K ...	Federal ...	...	12	...	...	...	...	...	...
Do.	40BK ...	Fenian ...	...	V.N.P.	...	...	...	...	...	...
Do.	25K ...	...	Hampton Goldhill Mines, Ltd.	a. r. p. 12 3 28	...	...	...	...	...	...
Do.	160K ...	Harriet ...	...	V.N.P.	...	...	...	...	...	...
Do.	243K (22K) ...	Kurnalpi ...	...	V.N.P.	...	...	...	...	...	...
Do.	22K ...	...	Kurnalpi G.M. Co., Ltd.	Ftd.	...	...	...	...	...	...
Do.	39AK, 97K, 168K	...	Leviathan G.M., Ltd.	V.N.P.	...	...	...	...	...	...
Do.	50K, 113K ...	Mt. Simon leases ...	...	V.N.P.	...	...	...	...	...	...
Do.	224K ...	Pride of the East ...	...	V.N.P.	...	...	...	...	...	...
Do.	207K ...	Success ...	Leviathan G.M. Co., Ltd.	24	5	...	...	...	...	...
Do.	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Mulgabbie	230K ...	Hayden's Hope ...	...	Ftd.	...	...	...	...	...	...
		From District generally ...	...	...	...	...	...	...	...	...
			Total ...	...	5	1	...	...	...	...

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
66'80	602'45	11,137'00	11,715'33	...	70'00	13,170'45	17,787'41	66'80	672'45	24,307'45	29,502'74	...	
...	†400'00	80'00	440'20	...	720'00	69'00	732'61	...	1,120'00	149'00	1,172'81	7'87	4 0 7
11'75	...	295'00	230'99	...	...	151'00	69'93	11'75	...	446'00	300'92	'67	
...	...	52'00	116'79	...	...	...	...	...	...	52'00	116'79	2'24	3 15 9
...	...	31'00	10'10	...	...	...	...	...	...	31'00	10'10	'32	
...	...	81'00	79'87	...	...	...	...	...	...	81'00	79'87	'98	
...	13'20	9'00	17'80	...	...	...	...	...	13'20	9'00	17'80	1'97	
...	...	3'00	235'00	...	801'05	315'00	507'50	...	801'05	318'00	742'50	2'33	
1,182'04	...	389'75	344'61	...	64'95	...	...	1,182'04	64'95	389'75	344'61	...	
...	51'50	54'65	...	...	51'50	54'65	1'06	
...	...	9'00	'90	...	...	...	...	...	...	9'00	'90	'10	
...	5'00	2'12	...	...	5'00	2'12	'42	
...	...	59'00	27'38	...	...	...	...	...	...	59'00	27'38	...	
...	...	89'00	38'72	...	...	...	...	...	...	89'00	38'72	'43	
...	91'00	41'90	...	...	91'00	41'90	'46	
...	1,081'00	392'75	...	...	1,081'00	392'75	'36	
...	...	20'00	'97	...	...	...	...	...	...	20'00	'97	'04	
...	...	59'00	13'67	...	...	...	...	...	...	59'00	13'67	'23	
...	...	28'00	87'00	...	...	...	...	...	...	28'00	87'00	3'10	
...	12'00	9'83	...	...	12'00	9'83	'82	
...	...	5'55	8'55	...	...	...	...	...	...	5'55	8'55	1'54	
...	...	15'00	8'30	...	...	...	...	...	...	15'00	8'30	'55	
...	...	60'00	15'47	...	...	...	...	...	...	60'00	15'47	'25	
...	30'00	12'40	...	...	30'00	12'40	'41	
...	...	31'00	5'60	...	...	...	...	...	...	31'00	5'60	'18	
...	...	4'00	3'52	...	...	...	...	...	...	4'00	3'52	'88	
...	...	36'00	7'53	...	...	...	...	...	...	36'00	7'53	'20	
36'97	...	23'00	12'59	...	...	...	...	36'97	...	23'00	12'59	...	
...	...	3,400'30	3,220'73	...	...	...	...	...	...	3,400'30	3,220'73	...	
...	...	2,224'00	1,678'60	...	...	...	...	...	...	2,224'00	1,678'60	...	
9,760'32	4,299'45	...	...	...	14,059'77	...	...	...	...
34'00	34'00	...	...	...	...
11,091'88	1,015'65	13,140'60	13,320'22	4,299'45	1,656'00	14,975'95	19,611'10	15,391'33	2,671'65	33,116'55	37,931'32	1'14	

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	106'47	60'00	82'00	...	106'47	60'00	82'00	1'36	
...	...	175'00	170'75	...	...	208'00	229'51	...	...	383'00	400'26	1'04	3 10 0
...	3'50	28'00	...	...	3'50	28'00	8'00	
...	30'00	39'95	...	...	30'00	39'95	1'33	
...	'05	'66	...	...	'05	'66	...	
...	...	50'00	68'20	...	...	25'00	8'85	...	...	75'00	77'05	1'02	
...	...	26'00	53'50	...	...	56'00	90'10	...	...	82'00	143'60	1'75	
...	30'00	100'00	...	...	30'00	100'00	3'33	
...	...	70'00	36'54	...	...	50'00	11'90	...	...	120'00	48'44	'40	3 2 6
...	28'00	7'00	...	...	28'00	7'00	'25	
...	...	5'00	2'43	...	...	...	...	...	...	5'00	2'43	'48	
...	62'00	30'00	...	...	62'00	30'00	'48	
...	209'00	55'20	...	...	209'00	55'20	'26	
...	106'00	48'38	...	...	106'00	48'38	'45	
...	8'00	3'20	...	...	8'00	3'20	'40	
...	266'00	86'20	...	...	266'00	86'20	'32	
90'00	...	25'00	18'64	...	...	...	...	90'00	...	25'00	18'64	...	
3,883'63	1,534'82	...	44'60	...	5,418'45	...	44'60	...	...
3,973'63	...	351'00	350'06	1,534'82	151'07	1,141'55	820'95	5,508'45	151'07	1,492'55	1,171'01	'78	

TABLE II.—Return of

East Coolgardie

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								Tons.	Tons.	
Binduli ...	3519E ...	Brisbane ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	3790E ...	Exhibition ...	...	24	...	...	...	...	...	...
Do. ...	3522E ...	...	Great Boulder Associated G.M. Co., N.L.	18	...	...	...	...	...	...
Do. ...	3649E ...	Livingstone ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	3675E ...	Messenger's Star of the West	...	18	...	...	...	...	...	...
Do. ...	3349E, 3452E ...	...	Victoria United G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...
Do. ...	...	Sundry Claims	...	...	...	...	...	...	...	...
Boorara ...	2310E, 2312/4E	...	Golden Ridge, W.A. Proprietary, Ltd.	96	...	...	...	...	...	...
Boulder ...	38E, 71/2E	...	Associated G.Ms. of W.A., Ltd.	a. r. p. 51 3 24	{ b14 h 3	24 18	200 150	{ ... }	...	4
Do. ...	1006E ...	...	Boulder Central G.M. Co., N.L.	12	...	...	...	...	...	...
Do. ...	1112E, 1394E ...	...	Boulder Half-Mile South G.M. Co., N.L.	28	...	...	...	...	...	...
Do. ...	261E, 281E ...	...	Brookman Brothers Boulder G.M. Co., Ltd.	36	10	...	...	...	...	...
Do. ...	24E, 88SE, 949E, 116SE	...	Central and West Boulder G.Ms., W.A., Ltd.	54	...	...	...	...	...	...
Do. ...	351E ...	...	Golden Horseshoe Estates Co., Ltd.	24	30	20	70	3,286	...	...
Do. ...	446E, 1069E, 1092E	...	Golden Link Consolidated G.Ms., Ltd.	48	...	...	...	...	...	...
Do. ...	873E ...	...	Great Boulder Main Reef, Ltd.	a. r. p. 24 3 0	b 2	4	70	...	...	5
Do. ...	50E ...	...	Great Boulder No. 1, Ltd. ...	24	10	...	...	...	...	...
Do. ...	66E ...	...	Great Boulder Perseverance G.M. Co., Ltd.	24	...	...	...	...	...	...
Do. ...	16E, 51E, 61E, 102E, 280E	...	Great Boulder Proprietary G.Ms., Ltd.	a. r. p. 85 1 0	30	...	...	...	...	12
Do. ...	3643E ...	...	Hainault G.Ms., Ltd. ...	20	10	...	...	...	...	...
Do. ...	1294E ...	...	Hannan's Golden Pike G.M., Ltd.	12	...	...	...	...	...	...
Do. ...	410E, 532E ...	...	Hannan's Oroya G.M. Co., W.A., Ltd.	36	h 3	...	...	...	...	...
Do. ...	15E, 60E ...	...	Hannan's Star G.Ms., Ltd. ...	18	b 3	8	60	1,500	...	...
Do. ...	31E ...	...	Ivanhoe Gold Corporation, Ltd.	24	60	b 1	16	80	7,500	4
Do. ...	3364E ...	Ivanhoe Venture ...	(Ivanhoe Venture G.M. Co., N.L.)	18	...	...	...	...	...	...
Do. ...	33E ...	...	Kalgoorlie Bank of England G.M. Co., Ltd.	10	{ h 2 b 2 }	50	...	...	...	...
Do. ...	73E, 74E ...	...	Kalgoorlie Mint and Iron King G.Ms., Ltd.	42	10	...	...	...	...	...
Do. ...	22E, 34E ...	...	Kalgurli G.M., Ltd. ...	18	...	...	...	...	...	...
Do. ...	3047E ...	Kingston	...	V.N.P.	...	...	...	...	...	...
Do. ...	25E, 32E ...	...	Lake View Consols, Ltd. ...	48	50	b 2	{ 15 10	65 100	{ 3,000 }	20
Do. ...	103E ...	...	Lake View Extended G.Ms., W.A., Ltd.	24	...	...	...	...	...	...
Do. ...	75E ...	...	Lake View South G.Ms., W.A., Ltd.	20	30	2	...	...	...	...
Do. ...	35E ...	...	North Boulder G.M. Co., Ltd.	9	...	...	...	...	...	...
Do. ...	3031E ...	...	Trafalgar G.M., Ltd. ...	a. r. p. 19 1 13	...	...	...	...	...	...
Do. ...	...	Sundry claims on Ivanhoe	Venture Lease	...	...	...	...	...	...	...
Feysville	3746E ...	Michael Angelo Lode	...	12	...	...	...	...	...	...
Do. ...	2684E ...	Rosina	...	12	...	...	...	...	...	...
Kalgoorlie	989E, 1013E, 1170E, 1596E	...	Brown Hill Central Gold Mines, Ltd.	a. r. p. 58 3 9	...	...	...	...	...	...
Do. ...	558E ...	...	Brown Hill Extended, Ltd.	12	...	...	...	...	...	...
Do. ...	552E, 861E, 922E, 999E, 1075E, (853E, 860E, 960E, 988E, 1007E)	...	Brown Hill Proprietary Gold Mines, Ltd.	24	...	...	...	...	...	...
Do. ...	238E ...	...	Crossus North No. 1, Ltd. ...	9	...	...	...	...	...	...
Do. ...	1621E ...	...	Crossus Proprietary G.M. Co., N.L.	12	...	...	...	...	...	...
Do. ...	90E ...	...	Crossus South G.Ms., Ltd. ...	15	...	...	...	...	...	...
Do. ...	1694E ...	Golden Zone	...	V.N.P.	...	...	...	...	...	...
Do. ...	6E ...	...	Hannan's Block 45, Ltd. ...	18	...	...	...	...	...	...
			Carried forward ...	...	240	32	121	...	...	45

Ore Treated, etc.—continued.

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	8·50	3·70	...	...	8·50	3·70	·43	
...	...	16·00	6·56	...	...	...	...	...	...	16·00	6·56	·41	
...	61·50	38·71	...	...	61·50	38·71	·62	
...	8·00	8·51	...	...	8·00	8·51	1·06	
...	...	9·00	10·50	...	...	...	...	...	...	9·00	10·50	1·16	
...	17·00	13·29	...	...	17·00	13·29	·78	
...	25·00	25·95	...	...	25·00	25·95	...	
...	...	56·00	69·28	...	...	266·78	533·38	...	...	322·78	602·66	1·86	3 17 10½
...	...	67,969·00	108,270·00	...	...	45,110·30	72,031·25	...	...	113,079·30	180,301·25	1·59	3 17 10½
...	...	49·00	4·03	...	...	...	...	...	...	49·00	4·03	·08	
...	...	80·00	20·30	...	...	...	...	...	...	80·00	20·30	·25	
...	...	2,438·00	2,506·31	...	...	2,735·00	1,741·05	...	...	5,173·00	4,247·36	·82	4 0 0
...	...	11,870·00	10,217·54	...	...	1,525·00	1,436·35	...	...	13,395·00	11,653·89	·87	4 1 1
...	...	38,083·00	103,573·12	...	...	12,376·39	40,361·88	...	...	50,459·39	143,935·00	2·85	4 1 9½
...	5·00	·25	...	...	5·00	·25	·05	
...	...	12,530·06	12,708·48	...	...	11,983·83	24,899·58	...	...	24,513·89	37,608·06	1·53	3 11 9
...	...	1,913·00	2,107·40	...	...	...	...	...	...	1,913·00	2,107·40	1·10	
...	...	20,145·18	40,995·90	...	...	29,020·00	46,357·64	...	...	49,165·18	87,353·54	1·77	
...	...	51,835·00	83,728·28	...	...	91,526·00	250,309·26	...	...	143,361·00	334,037·54	2·33	4 2 6
...	12·20	50·20	...	...	12·20	50·20	4·11	
...	...	25·00	16·30	...	...	...	...	...	...	25·00	16·30	·65	
...	...	27,119·60	11,714·98	...	...	17,877·85	7,693·27	...	...	44,997·45	19,408·25	·43	3 17 11½
...	...	6,203·75	3,552·43	...	...	...	...	...	...	6,203·75	3,552·43	·57	3 17 0
...	...	59,654·00	104,009·13	...	...	47,307·00	93,787·65	...	...	106,961·00	197,796·78	1·84	3 16 0
...	30·50	44·00	91·60	...	30·50	44·00	91·60	2·08	
...	...	7,870·00	4,132·62	...	...	339·50	1,512·92	...	...	8,209·50	5,645·54	·68	4 0 0
...	...	625·00	541·35	...	...	2,318·00	4,869·59	...	...	2,943·00	5,410·94	1·83	4 2 6
...	...	6·00	·50	...	...	1,299·48	6,981·47	...	...	1,305·48	6,981·97	5·34	
...	35·00	27·85	...	...	35·00	27·85	·79	
...	...	79,103·00	235,773·30	...	...	102,221·80	193,754·99	...	...	181,324·80	429,528·29	2·36	3 17 10½
...	con. 25·00	...	...	710·00	152·25	...	...	710·00	177·25	·24	
...	con. 51·00	...	...	4,334·00	1,420·81	...	...	4,334·00	1,471·81	·33	
...	...	10,910·00	18,179·46	...	...	16,476·00	22,257·50	...	...	27,386·00	40,436·96	1·47	4 2 9
...	37·95	5·15	...	...	37·95	5·15	·13	
...	...	251·50	176·45	...	...	247·50	639·25	...	...	499·00	815·70	...	
...	114·85	45·37	...	...	114·85	45·37	·39	
...	10·50	3·00	...	...	10·50	3·00	·28	
...	...	2,764·50	2,196·09	...	...	...	...	...	...	2,764·50	2,196·09	·79	
...	...	102·75	1,040·25	...	...	...	...	...	...	102·75	1,040·25	...	4 0 0
...	...	158·00	132·30	...	...	40·00	150·00	...	...	198·00	282·30	1·42	
...	20·25	11·50	...	...	20·25	11·50	·56	
...	...	61·00	20·90	...	...	...	...	...	...	61·00	20·90	·34	
...	...	170·00	132·75	...	...	...	...	...	...	170·00	132·75	·78	
...	cy. 54·00	...	...	448·00	430·94	...	...	448·00	484·94	1·08	
...	...	132·00	145·52	...	...	164·05	343·80	...	...	296·05	489·32	1·65	
...	...	402,149·34	746,112·03	...	30·50	388,726·23	771,989·91	...	30·50	790,875·57	1,518,101·94	...	

TABLE II.—Return of

East Coolgardie

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...	...	240	32	121	Tons. ...	Tons. ...	45
Kalgoorlie	1292E ...	Hannan's Britannia ...	...	a. r. p. 22 2 18	...	...	...	...	...	...
Do.	448E, 578E, 698E, 944E	...	Hannan's Brown Hill Gold Mining Co., Ltd	48 3 5	...	66	18	72	...	6
Do.	14E, 415E, 1163E	...	Hannan's Consols, Ltd.	21	...	...	...	...	...	...
Do.	739E ...	...	Hannan's Croesus G.M. Co., Ltd.	23	5	...	...	...	...	...
Do.	755E ...	...	Hannan's Excelsior G.Ms., Ltd.	12	...	...	...	...	...	...
Do.	9E, 37E, 42E ...	...	Hannan's Find Gold Reefs, Ltd.	a. r. p. 19 1 7	...	...	...	...	...	...
Do.	983E, 1183E, 1305E, 1393E	...	Hannan's Golden Group, Ltd.	73 1 27	...	...	...	...	...	...
Do.	1004E ...	...	Hannan's North Croesus G.M. Co., Ltd.	12	...	...	...	...	...	...
Do.	248E ...	...	Hannan's North G.M. Co., Ltd.	24	...	...	...	...	...	...
Do.	1024/5E, 1035E, 1167E	...	Hannan's Proprietary Development Co., Ltd.	a. r. p. 61 1 15	...	62	...	...	...	...
Do.	M.A. 11E ...	...	Hannan's Public Crushing Co.	...	20	...	4	...	...	...
Do.	97E, 160E ...	...	Hannan's Reward, Ltd.	26 3 27	20	...	...	...	...	...
Do.	796E, 1228E ...	...	Hannan's Reward North G.M. Co., N.L.	27	...	...	...	...	...	...
Do.	790E, 1008E ...	...	Harquahala G.M. Co., Ltd.	27	...	...	...	...	...	...
Do.	3769E ...	Hawk's View No. 2	...	6	...	...	...	...	...	...
Do.	1260E, 1385/6E 1733/5E	...	Kalgoorlie Mining Develop- ments Co., Ltd. (late N. and E. Coolgardie Develop- ment Syndicate, Ltd.)	a. r. p. 114 1 25	...	...	...	...	...	...
Do.	547E ...	...	Kalgoorlie Proprietary G.M. Co., N.L.	12	...	...	...	...	...	...
Do.	12E, 229E ...	...	Kalgurli Star Syndicate, Ltd. (late African Gold Re- covery Co., Ltd.)	24	...	...	...	...	...	...
Do.	...	...	Leviathan Filter Press and Cy. Co. (late Kalgoorlie C. and Cy. Co., Ltd.)	...	...	...	...	...	...	2
Do.	2E, 279E ...	...	Maritana G.M. Co., N.L.	a. r. p. 14 0 11	...	...	...	...	...	...
Do.	2229E ...	Maritana South	...	8 2 26	...	...	...	...	...	...
Do.	211/3E, 1653E	...	Mt. Charlotte G.M. Co., Ltd.	67 1 10	10	...	...	...	...	...
Do.	244E ...	...	North Croesus G.M., Ltd.	12	...	...	...	...	...	...
Do.	1556E ...	...	North Mt. Charlotte G.Ms., Ltd.	24	...	...	...	...	...	...
Do.	890E ...	...	North Western Associated G.M., W.A., Ltd.	24	...	...	...	...	...	...
Do.	4E ...	...	Paringa Consoltd Mines, Ltd.	9	...	...	...	...	...	...
Do.	...	...	Do.	...	...	...	...	...	...	...
Do.	501E, 1591E, 2988E	...	Paringa Consolidated Mines, Ltd. (late Hannan's Sir John Forrest G.Ms., Ltd.)	a. r. p. 14 3 7	...	...	...	...	...	...
Do.	1095E ...	...	Phoenix Gold Mines, Ltd.	24	...	...	...	...	...	...
Do.	1769E ...	Pride of Kalgoorlie	...	V.N.P.	...	...	...	...	...	...
Do.	225E, 1114AE ...	...	Reefer's Eureka, G. M. Co., N.L.	a. r. p. 17 3 9	...	...	...	...	...	...
		<i>From Goldfield generally:—</i>								
		Sundry parcels treated at	Brookman's Bros. Boulder Battery	...	...	...	...	...	...	...
		Do. do.	Coolgardie Ore Reduction Works	...	...	...	...	...	...	...
		Do. do.	Great Boulder No. 1 Battery	...	...	...	...	...	...	...
		Do. do.	Hannan's Reward Battery ...	...	...	...	...	...	...	...
		Do. do.	Leviathan Filter Press and Cy. Works (late Kalgoorlie C. and Cy. Works)	...	...	...	...	...	...	...
		Do. do.	Lake View South Battery ...	...	...	...	...	...	...	...
		Do. do.	Mt. Charlotte Battery	...	...	...	...	...	...	...
		Notices of Purchase	...	...	...	...	...	...	...	...
			Total	...	295	40	143	...	...	53

Ore Treated, etc.—continued.

Goldfield—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	...	402,149.34	746,112.03	...	30.50	388,726.23	771,989.91	...	30.50	790,875.57	1,518,101.94	...	
...	21.50	20.75	...	...	21.50	20.75	.96	
...	...	46,624.30	90,934.48	...	...	29,272.00	81,395.10	...	...	75,896.30	172,329.58	2.27	4 0 0
...	...	78.00	81.50	...	...	...	...	...	...	78.00	81.50	1.04	
...	...	2,320.00	1,404.81	...	...	1,561.75	2,614.16	...	...	3,881.75	4,018.97	1.03	3 15 2
...	...	86.50	32.00	...	...	17.00	20.94	...	...	103.50	52.94	.51	
...	37.50	19.95	...	...	37.50	19.95	.53	
...	6.00	18.00	...	...	6.00	18.00	3.00	
...	...	50.00	14.22	...	...	...	...	...	...	50.00	14.22	.28	
...	...	630.00	1,015.96	...	...	290.00	432.70	...	...	920.00	1,448.66	1.57	
...	...	1,558.50	1,609.05	...	...	...	...	...	...	1,558.50	1,609.05	1.03	4 0 5
...	
...	2.83	1,377.00	(2,058.53) (pl 53.90)	...	...	5,081.00	3,710.41	...	2.83	6,458.00	5,822.84	.90	3 17 6
...	...	201.00	142.08	...	...	17.00	32.10	...	...	218.00	174.18	.79	
...	...	59.00	66.85	...	...	...	...	...	...	59.00	66.85	1.13	
...	...	41.00	11.23	...	...	...	...	...	...	41.00	11.23	.27	
...	8.17	1,323.50	1,588.92	...	...	...	...	...	8.17	1,323.50	1,588.92	1.20	3 19 11
...	...	12.00	17.29	...	...	...	...	...	...	12.00	17.29	1.44	
...	...	386.00	186.94	...	...	342.29	219.63	...	...	728.29	406.57	.55	
...	
...	...	112.00	153.37	...	...	294.50	212.28	...	...	406.50	365.65	.89	3 12 9
...	30	87.50	168.37	...	148.00	...	...	...	148.30	87.50	168.37	1.92	
...	...	3,956.00	1,592.16	...	...	2,935.10	1,113.34	...	...	6,891.10	2,705.50	.39	3 19 7
...	18.26	...	...	...	...	...	...	...	18.26	...	...	...
...	...	517.00	241.81	...	...	...	...	...	...	517.00	241.81	.46	
...	...	29.00	51.64	...	...	...	...	...	...	29.00	51.64	1.78	
...	...	328.00	478.11	...	...	71.00	116.00	...	...	399.00	594.11	1.48	
...	‡	‡	...	
...	80.00	80.45	...	...	80.00	80.45	1.00	
...	...	83.00	143.70	...	...	...	...	...	...	83.00	143.70	1.73	4 1 0
...	15.65	...	...	...	15.65	...	...	...
...	...	364.45	338.30	...	...	163.95	294.80	...	...	528.40	633.10	1.19	
...	...	1,293.00	2,036.82	...	...	...	...	...	...	1,293.00	2,036.82	...	
...	...	10.50	.60	...	...	...	...	...	...	10.50	.60	...	
...	...	129.50	79.27	...	...	...	...	...	...	129.50	79.27	...	
...	...	2,393.50	3,079.92	...	...	...	...	...	...	2,393.50	3,079.92	...	
...	...	60.25	772.00	...	...	...	...	...	...	60.25	772.00	...	
...	...	456.75	272.14	...	...	...	...	...	...	456.75	272.14	...	
...	...	42.50	47.06	...	...	...	...	...	...	42.50	47.06	...	
590.25	590.25	...	...	...	...
590.25	29.56	466,759.09	854,785.06	...	194.15	423,916.82	186,229.52	590.25	223.71	895,675.91	1,717,075.58	1.91	

‡ Also 500 ounces from unknown tons from Cassidy Hill lease.

TABLE II.—Return of

Coolgardie

COOLGARDIE

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Bonnievale	126 (131, 351, 724)	...	Bendigo and Coolgardie Pro- prietary Co., N.L.	15	15	...	...	Tons.	Tons.	...
Do.	3602	Condenser King	...	V.N.P.	...	...	...	...	...	...
Do.	3630	Gem of the Vale	...	V.N.P.	...	...	...	...	...	...
Do.	1741	Golden Drop	...	a. r. p.	11 3 11	...	...	...	...	...
Do.	1811	Golden King	...	V.N.P.	...	...	...	...	...	...
Do.	3742, (1811)	Lady Florence	...	6	...	...	...	...	...	...
Do.	M.A. 70	...	Mt. Burges Cyanide Works	...	...	4	92	1,104	...	...
Do.	2413	...	Mt. Burges G.M., Limited	25	15	...	...	...	...	...
Do.	3763	Native Wonder	...	12	...	...	...	...	...	...
Do.	595, 1405, 1741	...	New Victoria Consols G.M. Co., N.L.	41 3 11	25	...	...	...	...	...
Do.	1610	...	North Burges G.M. Co., Ltd.	18	5	...	...	...	...	...
Do.	2638	...	Prim Syndicate, Ltd.	12	...	...	...	...	...	...
Do.	1552	...	Vale of Coolgardie G.Ms., Ltd.	25	10	5	40	1,200	...	...
Do.	3453	...	Water Trust, Mining, and Public Crushing Co. of W.A., Ltd.	V.N.P.	...	...	...	...	...	...
Do.	144, 1151, 1639, 2146, 2266, 3572, 3575	...	Westralia and East Exten- sion Ms., Ltd.	131	40	...	...	...	...	...
Do.	...	Sundry Tailings treated at	Mt. Burges Cyanide Works	...	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Bulla Bulling	1777	...	Golden Gate, W.A., Ltd.	Ftd.	...	...	...	...	...	...
Do.	3613 (1777)	Pilgrim	...	Ftd.	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Burbanks	134/6, 1527, 2761	...	Burbanks Birthday Gift G. Ms., Ltd.	39	30	6	40	1,000	...	...
Do.	2210	...	(Burbanks Consols, Ltd.)	23 1 19	...	...	...	...	...	...
Do.	971, 1799, 2848	...	Burbanks Grand Junc., Ltd.	33 2 10	...	...	...	...	...	...
Do.	3246	Burbanks Grand Junction West	...	V.N.P.	...	...	...	...	...	...
Do.	3632 (3200)	Burbanks Horseshoe	...	9	...	...	...	...	...	...
Do.	3627	Burbanks Ivanhoe	Lanarkshire G.Ms. of Aus- tralia, Ltd.	24	...	...	...	...	...	...
Do.	2985 6, 3444	...	Burbanks Main Lode, Ltd.	42	...	...	...	...	...	...
Do.	3588	Burbanks Monarch	...	12	...	...	...	...	...	...
Do.	3685	Burbanks New Year's Gift	...	V.N.P.	...	...	...	...	...	...
Do.	1705	...	Burbanks North G.M. Ltd.	24	...	...	...	...	...	...
Do.	2456A	...	Burbanks No. 1 West G.Ms. Ltd.	24	...	...	...	...	...	...
Do.	3200	Burbanks Star	...	Ftd.	...	...	...	...	...	...
Do.	3636 (756)	Burbanks Welcome	...	12	...	...	...	...	...	...
Do.	1918	Glenloth South	...	10	...	...	...	...	...	...
Do.	2160	Lady Robinson	...	12	...	...	...	...	...	...
Do.	756	La Mascotte	...	Ftd.	...	...	...	...	...	...
Do.	3713	Pivot	...	12	...	...	...	...	...	...
Do.	2058	Queensland	...	24	...	...	...	...	...	...
Do.	3689 (3246)	Scandia	...	12	...	...	...	...	...	...
Do.	3716	Treasure	...	12	...	...	...	...	...	...
Do.	...	Sundry Claims	...	...	...	...	...	...	...	...
Coolgardie	3676 (3066)	Admiral Sampson	...	Ftd.	...	...	...	...	...	...
Do.	3735 (3251)	Alice	...	12	...	...	...	...	...	...
Do.	2613	Auckland	...	Abd.	...	...	...	...	...	...
Do.	3606	Aurum	...	Ftd.	...	...	...	...	...	...
Do.	3668	Australasian Junction	...	V.N.P.	...	...	...	...	...	...
Do.	538, 810	...	Australasian United G.Ms., N.L.	Ftd.	...	...	...	...	...	...
Do.	22	...	(Bayley's Consols G.M. Co., N.L.)	18	10	...	...	...	...	...
Do.	471	Bayley's South Extended	...	a. r. p.	9 1 27	...	...	...	...	...
Do.	133, 139, 142, 547	...	Bayley's United G.Ms., Ltd.	94 0 25	20	61	6	62	2,000	2
Do.	35	...	Big Blow, Ltd.	Surr.	...	...	...	...	...	...
Do.	3674	Bird-in-Hand	...	Ftd.	...	...	...	...	...	...
Do.	3631	Blue Peter	...	Ftd.	...	...	...	...	...	...
			Carried forward	...	170	2	21	...	...	2

Ore Treated, etc.—continued.

Goldfield.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	...	406.00	{ 396.52 } { p/118.23 }	...	...	982.00	1,149.80	...	...	1,388.00	1,664.55	1.19			
...	...	55.00	29.15	...	2.47	209.50	184.60	...	2.47	264.50	213.75	.80			
...	...	20.00	4.60	...	...	24.10	9.37	...	...	44.10	13.97	.31			
...	283.50	269.20	...	...	283.50	269.20	.94			
...	47.00	52.00	...	...	47.00	52.00	1.10			
...	...	24.50	23.52	...	...	...	...	...	...	24.50	23.52	.96			
...	...	393.00	{ 89.80 } { p/84.40 }	...	...	7,477.50	8,919.37	...	...	7,870.50	9,093.57	1.15	3	18	1 3/4
...	...	13.00	10.62	...	...	...	...	...	...	13.00	10.62	.81			
...	...	7,435.00	2,946.48	...	...	4,020.50	2,429.31	...	...	11,455.50	5,375.79	.46	3	14	0
...	...	248.00	244.39	...	...	...	...	...	...	248.00	244.39	.98			
...	...	275.80	167.74	...	...	2,299.00	2,057.12	...	...	2,574.80	2,224.86	.86			
...	...	11,094.00	6,998.15	...	...	4,807.00	5,033.90	...	...	15,901.00	12,032.05	.75	3	15	0
...	...	222.00	52.27	...	...	1,426.30	844.41	...	...	1,648.30	896.68	.54			
...	...	9,326.20	{ 3,132.04 } { p/128.70 }	...	...	30,402.45	22,102.97	...	...	39,728.65	25,363.71	.63	3	13	3
...	cy 2,467.44	...	...	...	...	...	...	...	2,467.44	...			
...	...	40.50	30.80	...	...	...	...	...	...	40.50	30.80	...			
...	50.00	130.00	...	...	50.00	130.00	2.60			
...	10.00	10.45	...	...	93.00	64.40	.69			
...	14.65	20.00	24.45	...	...	...	...	...	14.65	20.00	24.45	...			
...	...	13,914.00	17,965.88	...	...	19,426.00	37,560.10	...	...	33,340.00	55,525.98	1.66	3	11	6
...	18.00	14.45	...	...	18.00	14.45	.80			
...	877.50	2,210.25	...	...	877.50	2,210.25	2.51			
...	97.00	185.60	...	...	97.00	185.60	1.91			
...	11.00	67.75	...	...	11.00	67.75	6.15			
...	...	110.00	65.47	...	...	88.00	52.10	...	...	198.00	117.57	.59	3	17	6
...	...	380.00	258.82	...	...	90.00	88.00	...	...	470.00	346.82	.73			
...	5.10	...	...	...	...	...	...	...	5.10	...	...	...
...	...	36.00	15.60	...	...	...	...	...	...	36.00	15.60	.43			
...	...	22.50	8.80	...	...	...	...	...	...	22.50	8.80	.39			
...	...	100.00	114.97	...	...	...	...	...	...	100.00	114.97	1.14			
...	87.00	85.60	...	...	87.00	85.60	.98			
...	21.00	192.00	113.84	...	...	...	...	...	21.00	192.00	113.84	.59			
...	372.00	515.20	...	...	372.00	515.20	1.38			
...	...	87.00	64.12	...	...	180.40	104.85	...	...	267.40	168.97	.63			
...	50.00	21.55	...	...	50.00	21.55	.43			
...	...	81.00	43.14	...	...	...	...	...	...	81.00	43.14	.53			
...	...	665.00	750.91	...	...	...	...	...	...	665.00	750.91	1.12			
...	3.15	82.50	73.10	...	...	...	...	...	3.15	82.50	73.10	.88			
...	...	93.00	53.85	...	...	...	...	...	...	93.00	53.85	.57			
...	...	28.00	9.45	...	...	...	...	...	...	28.00	9.45	...			
...	44.00	18.03	...	...	44.00	18.03	.40			
...	...	25.00	15.53	...	...	...	...	...	...	25.00	15.53	.62			
...	50.00	24.63	...	...	50.00	24.63	.49			
...	61.00	49.95	...	...	61.00	49.95	.81			
...	1.25	105.00	42.09	...	...	89.00	34.53	...	1.25	194.00	76.62	.39			
...	43.25	21.85	...	...	43.25	21.85	.50			
...	...	483.00	{ 249.98 } { p/33.34 } { q/47.80 }	...	...	3,977.00	2,388.29	...	...	4,460.00	2,719.41	.60			
...	47.00	8.55	...	...	47.00	8.55	.18			
...	...	13,684.60	22,507.28	52.71	...	18,670.87	53,249.47	52.71	...	32,355.47	75,756.75	2.34	3	18	0
...	3,093.00	861.15	...	...	3,093.00	861.15	.27			
...	...	94.60	27.90	...	...	...	...	...	...	94.60	27.90	.29			
...	118.00	77.50	...	...	118.00	77.50	.65			
...	45.15	59,839.20	59,465.12	52.71	2.47	99,528.87	140,831.92	52.71	47.62	159,368.07	200,297.04	...			

TABLE II.—Return of

Coolgardie

COOLGARDIE

MINING CENTRE,	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.			Cyaniding.		
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...	...	170	2	21	Tons.	Tons.	2
Coolgardie	3618 ...	Brilliant ...	...	12	...	...	...	...	...	...
Do.	193, 1624 ...	...	...	24	...	...	...	...	...	...
Do.	3705 ...	Caledonia ...	Briton's United G.Ms., Ltd.	6	...	...	...	...	...	...
Do.	3671 (2926) ...	Carathool ...	...	Abd.	...	...	...	...	...	...
Do.	1852, 2168 ...	...	Charing Cross G.M., W.A., Ltd.	18	...	...	...	...	...	...
Do.	3547 ...	Chesterton ...	...	V.N.P.	...	...	...	...	...	...
Do.	M.A. 36 ...	...	Coolgardie Ore Reduction and Cyanide Works	...	...	{ 3 1	65 45	1,200	...	...
Do.	3524 ...	Coonong ...	...	6	...	...	...	...	...	...
Do.	122, 3618 ...	...	Cosgrove Bayley's Reward South G.M. Co., N.L.	24	10	...	...	...	...	...
Do.	3731 ...	Daisy Bell ...	...	Abd.	...	...	...	...	...	...
Do.	3640 ...	Dead Beat ...	...	5	...	...	...	...	...	...
Do.	1646, 2178 ...	...	Devon Australasian Syndi- cate, Ltd.	24	...	...	...	...	...	...
Do.	3736 (1555) ...	Duke of Clarence ...	...	12	...	...	...	...	...	...
Do.	1282 ...	Duke of York ...	...	V.N.P.	...	...	...	...	...	...
Do.	1555 ...	Dunallan's No. 1 ...	...	Ftd.	...	...	...	...	...	...
Do.	3251 ...	Eldorado ...	...	Ftd.	...	...	...	...	...	...
Do.	3712 (3510) ...	Elsie ...	...	3	...	...	...	...	...	...
Do.	2926 ...	Elvira ...	...	V.N.P.	...	...	...	...	...	...
Do.	1865 ...	...	Empress of Coolgardie G.M., 1896, Ltd.	18	...	...	...	...	...	...
Do.	1604/5, 2753, 3658, 3672 ...	...	Flagstaff Mines, Ltd. (late Flagstaff Co., Ltd.)	a. r. p. 54 1 37	20	...	...	...	...	...
Do.	3590 (35) ...	...	Flagstaff Mines, Ltd. (late Big Blow, Ltd.)	24	...	...	...	...	...	...
Do.	284, 745 ...	...	Forrest King of Coolgardie, Ltd.	24	...	...	...	...	...	...
Do.	2010, 2499 ...	...	Franco-Australian Explora- tion Co., Ltd.	Ftd.	...	...	...	...	...	...
Do.	3617 ...	Garfield ...	...	12	...	...	...	...	...	...
Do.	3687 ...	Gladstone ...	...	6	...	...	...	...	...	...
Do.	717 (1149) ...	...	Gleeson's Success G.Ms., Ltd.	12	...	...	...	...	...	...
Do.	20, 188A ...	...	Golden Bar G.M. Co., N.L.	15	15	4	40	800	...	...
Do.	1559 (3541) ...	...	Golden Queen G.M. Co., N.L.	12	...	...	...	...	...	...
Do.	2392, 2596 ...	Golden Ridge East and Little Blow	...	24	...	...	...	...	...	...
Do.	3737 ...	Grand Flaneur ...	...	Abd.	...	...	...	...	...	...
Do.	400 ...	Great Coolgardie ...	...	a. r. p. 11 3 16	...	...	...	...	...	...
Do.	3694 (3578) ...	Great Gnarlbine ...	...	12	...	...	...	...	...	...
Do.	3647 ...	Great Western ...	...	6	...	...	...	...	...	...
Do.	Block 48 ...	Merry Hampton ...	Hampton Plains Estate, Ltd.	...	...	...	...	...	...	...
Do.	Block 53 ...	Ajax ...	do. do.	...	...	...	...	...	...	...
Do.	Block 59 ...	...	do. do.	...	...	...	...	...	...	...
Do.	3729 (3581) ...	Herbert East ...	...	12	...	...	...	...	...	...
Do.	1204 ...	...	Herbert Gold, Ltd.	12	10	...	...	...	...	...
Do.	3346 ...	Herbert North ...	...	12	...	...	...	...	...	...
Do.	3757 (3629) ...	Herbert Queen ...	...	12	...	...	...	...	...	...
Do.	3629 ...	Herbert South ...	...	Ftd.	...	...	...	...	...	...
Do.	3607 ...	Home Rule ...	...	12	...	...	...	...	...	...
Do.	1491 ...	Just in Time ...	...	12	...	...	...	...	...	...
Do.	1135 ...	Kerry ...	...	V.N.P. 6	...	...	...	...	...	...
Do.	226, 3527 ...	Killarney and Kyjak ...	...	a. r. p. 21 2 20	...	...	...	...	...	...
Do.	3530 ...	King's Cross ...	Lanarkshire G.Ms. of Aus- tralia, Ltd.	9 2 20	10	...	...	...	...	...
Do.	3536 ...	King's Lynn ...	...	Ftd.	...	...	...	...	...	...
Do.	3619 (3536) ...	King's Lynn ...	...	Ftd.	...	...	...	...	...	...
Do.	18, 82, 376, 3598 ...	...	King Solomon G.Ms., Ltd. ...	a. r. p. 43 2 30	10	...	...	...	...	...
Do.	1598 ...	...	King Solomon South G.M. Co., Ltd.	V.N.P.	...	...	...	...	...	...
			Carried forward ...	...	245	2	29	...	...	2

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	45 15	59,839 20	59,465 12	52 71	2 47	99,528 87	140,831 92	52 71	47 62	159,368 07	200,297 04	...	
...	...	59 00	29 99	...	...	102 00	101 00	...	...	161 00	130 99	...	81
...	36 00	27 00	...	...	36 00	27 00	...	75
...	...	6 00	1 15	...	...	...	...	...	...	6 00	1 15	...	19
...	...	7 00	95	...	...	...	...	...	...	7 00	95	...	13
...	...	20 00	4 35	...	...	10 00	15 50	...	...	30 00	19 85	...	66
...	20 00	14 00	...	...	20 00	14 00	...	70
...	cy. 187 00	...	...	...	...	...	...	...	187 00	...	...
...	39 00	10 70	...	...	39 00	10 70	...	27
...	...	67 4 50	737 45	...	...	1,206 00	912 20	...	...	1,880 50	1,649 65	...	87
...	...	43 00	23 50	...	...	...	...	...	...	43 00	23 50	...	54
...	...	140 00	34 98	...	...	...	...	...	...	140 00	34 98	...	24
...	...	44 00	14 25	...	...	130 00	64 25	...	...	174 00	78 50	...	45
...	...	20 00	3 25	...	...	...	...	...	...	20 00	3 25	...	16
...	...	17 00	6 20	...	...	...	...	...	...	17 00	6 20	...	36
...	...	10 00	2 30	...	...	17 75	5 40	...	...	27 75	7 70	...	27
...	...	21 00	10 68	...	...	76 00	18 45	...	...	97 00	29 13	...	30
...	...	13 70	14 08	...	...	...	...	...	...	13 70	14 08	...	102
...	74 00	15 00	...	...	74 00	15 00	...	20
...	...	1,485 00	566 57	...	...	1,383 00	517 92	...	...	2,868 00	1,084 49	...	37
...	...	2,652 50	998 05	...	...	2,155 00	1,572 00	...	...	4,807 50	2,570 05	...	53
...	...	475 00	357 95	...	...	...	...	...	...	475 00	357 95	...	75
...	857 50	582 03	...	...	857 50	582 03	...	67
...	198 00	588 00	...	...	198 00	588 00	...	2 96
...	...	30 00	14 58	...	...	40 00	65 30	...	...	70 00	79 88	...	1 14
...	...	40 50	26 20	...	...	...	...	...	...	40 50	26 20	...	64
...	...	335 00	548 60	...	...	438 00	551 70	...	...	773 00	1,100 30	...	1 42
...	...	5,605 00	2,863 25	...	...	5,508 00	2,965 95	...	...	11,113 00	5,829 20	...	52
...	...	149 00	139 32	...	...	293 25	163 50	...	...	442 25	302 82	...	68
...	9 00	9 00	...	...	9 00	1 00	...	3 12 9½
...	...	23 00	11 85	...	...	...	...	...	...	23 00	11 85	...	3 14 11¼
...	10 00	12 00	...	...	10 00	12 00	...	1 20
...	12 50	51 25	{ 428 90 } { 3 40 }	...	...	...	...	...	12 50	51 25	432 30	...	8 45
4,913 45	...	255 00	226 43	...	...	24 00	16 95	4,913 45	...	279 00	243 38	...	87
...	...	110 00	53 40	...	...	...	...	...	...	110 00	53 40	...	48
...	...	67 00	128 55	...	...	...	...	...	...	67 00	128 55	...	1 91
...	...	170 00	33 32	...	...	...	...	...	...	170 00	33 32	...	19
...	...	15 00	1 40	...	...	...	...	...	...	15 00	1 40	...	99
...	...	230 00	{ 103 30 } { pl. 38 57 }	...	...	644 00	645 36	...	...	874 00	787 23	...	90
...	...	75 00	75 32	...	...	88 50	99 43	...	...	163 50	174 75	...	1 06
...	...	14 00	6 26	...	...	...	...	...	...	14 00	6 26	...	44
...	31 00	23 27	...	...	31 00	23 27	...	75
...	...	171 00	89 33	...	...	171 00	120 92	...	...	342 00	210 25	...	61
...	235 00	101 75	...	...	235 00	101 75	...	43
...	...	198 00	9 70	...	...	37 00	5 45	...	...	235 00	15 15	...	06
...	...	157 00	61 15	...	...	...	...	...	...	157 00	61 15	...	38
...	...	175 00	59 80	...	16 50	85 00	90 60	...	16 50	260 00	150 40	...	57
...	45 00	47 30	...	...	45 00	47 30	...	1 05
...	...	62 00	34 00	...	...	...	...	...	...	62 00	34 00	...	54
...	...	7,150 75	5,932 56	...	...	1,000 00	1,584 22	...	...	8,150 75	7,516 78	...	92
...	...	18 00	2 50	...	...	5 00	1 15	...	...	23 00	3 65	...	15
...	3 14 7¼
4,913 45	57 65	80,628 40	73,349 51	52 71	18 97	114,496 87	151,779 22	4,966 16	76 62	195,125 27	225,128 73	...	

Coolgardie

COOLGARDIE

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Aeres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...	...	245	2	29	...	...	2
Coolgardie ...	1010, 1528, 2321	...	Ladas and Foston United G.Ms., Ltd.	Ftd.	...	...	...	...	...	...
Do. ...	3732	Lady Anne ...	...	Wdn.	...	...	...	...	...	...
Do. ...	3724	Lady Bradley ...	...	12	...	...	...	...	...	...
Do. ...	666, 1384, 2216, 2357, 2419, 2826, 3549	...	Lady Charlotte G.Ms., Ltd...	a. r. p. 63 3 39	10	...	...	...	...	...
Do. ...	532	...	Lady Emily G.M. Co., Ltd.	12	...	...	...	...	...	...
Do. ...	284, 336, 745, 1583, 3654	...	Lady Loch G.Ms., Ltd.	60	15	...	...	...	...	...
Do. ...	1763	Lady Mary ...	...	9	...	...	...	...	...	...
Do. ...	543	...	Lady Maud G.Ms., Ltd.	18	...	...	...	...	...	...
Do. ...	3727	Liberator ...	...	Ftd.	...	...	...	...	...	...
Do. ...	3556	Lily ...	...	6	...	...	...	...	...	...
Do. ...	3297	Lindsay Gordon ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	808, 2232	...	Lindsay's Consolidated Ms., Ltd.	48	11	...	...	...	...	...
Do. ...	1721	...	Lombard G.M., W.A., Ltd...	18	...	...	...	...	...	...
Do. ...	2286, 3096, 3502	...	Ludlow G.Ms., Ltd...	V.N.P.	...	...	...	...	...	...
Do. ...	3581	Mammoth ...	...	Abd.	...	...	...	...	...	...
Do. ...	3704	Marion ...	...	6	...	...	...	...	...	...
Do. ...	23	...	McCulloch's Coolgardie G.M., Limited	V.N.P.	...	...	...	...	...	...
Do. ...	664, 1739	...	McPherson's Reward G.M. Co., N.L.	Ftd.	...	...	...	...	...	...
Do. ...	188A	...	Moon's Coolgardie G.M. Co., N.L.	Ftd.	...	...	...	...	...	...
Do. ...	1902	Morning Star ...	...	12	...	...	...	...	...	...
Do. ...	3701	Morning Star South ...	...	12	...	...	...	...	...	...
Do. ...	2597	Mountain Annette ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	1019	...	(Mt. Rowe Consolidated Mining Co., Limited)	12	...	...	...	...	...	...
Do. ...	1093, 2292	...	New Australasian G.Ms., Limited	27	...	...	...	...	...	...
Do. ...	3319, 3624	...	New Central Investment Co., Limited (late Central Ex- ploration and Investment Corporation, Limited)	29	...	...	...	...	...	...
Do. ...	84, 1464, 2831...	...	New Clyde G.Ms., Limited	a. r. p. 32 3 21	...	1	20	...	...	...
Do. ...	3484	New Zealander ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	3707	Norwood Gem ...	...	a. r. p. 4 1 29	...	...	...	...	...	...
Do. ...	1867	No. 1 North Three Jolly Britons	...	V.N.P.	...	...	...	...	...	...
Do. ...	207, 423	No. 2 Bayley's South ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	2434	Old Chum Extended ...	...	Ftd.	...	...	...	...	...	...
Do. ...	3697	Olive ...	...	12	...	...	...	...	...	...
Do. ...	3717	Olive South ...	...	24	...	...	...	...	...	...
Do. ...	3252	Perseverance Extended ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	1903	Phoenix ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	1111, 1865	...	Phoenix G.Ms., Limited	40	10	...	...	...	...	...
Do. ...	1566	President ...	...	Ftd.	...	...	...	...	...	...
Do. ...	3282	Princess Midas ...	...	Ftd.	...	...	...	...	...	...
Do. ...	3623	Queen of Sheba ...	...	6	...	...	...	...	...	...
Do. ...	3476	Queen's Reign ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	1728	Red Jacket ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	1019, 3609, 3573, 3639	...	Richmond Consolidated Min- ing Co., Ltd.	36	...	...	...	...	...	...
Do. ...	130, 215 (436, 1145)	...	Rita Nita Mining and Sample Milling Co., Limited (late United Gold Reefs, Ltd.)	18	...	...	...	...	...	...
Do. ...	226	...	Rose Hill United G.M. Co., Limited	12	...	...	...	...	...	...
Do. ...	3765	Rose, Thistle, and Sham- rock	...	Wdn.	...	...	...	...	...	...
Do. ...	1839	Royal Tar ...	...	12	2	...	...	...	...	...
Do. ...	3537	Shamrock ...	...	12	...	...	...	...	...	...
Do. ...	3415/6 (3510)	...	Sherlaw's G.M. Co., Ltd.	40	20	5	37	900	...	...
Do. ...	3695	Sherlaw's No. 1 South ...	...	12	...	...	...	...	...	...
			Carried forward ...	...	313	2	35	...	...	2

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
4,913.45	57.65	80,628.40	73,349.51	52.71	18.97	114,496.87	151,779.22	4,966.16	76.62	195,125.27	225,128.73	...			
...	6.00	2.40	...	...	6.00	2.40	.40			
...	...	8.50	3.87	...	...	...	...	...	...	8.50	3.87	.45			
...	...	7.00	11.15	...	...	...	...	...	...	7.00	11.15	1.59			
...	...	5,396.00	4,254.54	...	...	...	...	...	...	5,396.00	4,254.54	.78			
...	...	20.00	7.15	...	...	20.00	15.00	...	...	40.00	22.15	.55			
...	...	5,051.00	4,364.58	...	...	2,202.00	5,615.47	...	...	7,253.00	9,980.05	1.37	3	14	6
...	...	25.00	4.15	...	...	80.70	34.65	...	...	103.70	38.80	.36			
...	...	10.00	2.15	...	...	14.00	11.75	...	...	24.00	13.90	.57			
...	...	97.00	63.76	...	...	...	...	...	...	97.00	63.76	.65			
...	...	10.00	10.00	...	...	259.75	197.18	...	...	269.75	207.18	.76	3	10	10½
...	...	242.00	53.96	...	...	124.00	85.80	...	...	366.00	139.76	.38			
...	...	2,454.00	{ 1,576.85 } { 49.60 }	...	...	4,170.00	2,599.15	...	...	6,624.00	4,225.60	.63	3	18	6¼
...	...	50.00	6.15	...	...	25.00	28.85	...	...	75.00	35.00	.46			
...	...	100.00	11.50	...	...	...	...	...	...	100.00	11.50	.11			
...	20.00	13.40	...	...	20.00	13.40	.67			
...	...	9.00	1.25	...	...	...	...	...	...	9.00	1.25	.13			
...	70.00	10.00	...	...	70.00	10.00	.14			
...	...	7.45	531.12	...	...	1,623.75	1,359.30	...	...	1,631.20	1,890.42	1.15			
...	92.00	32.65	...	...	92.00	32.65	.35			
...	...	30.00	15.05	...	...	327.00	575.60	...	...	357.00	590.63	1.65			
...	...	250.00	35.00	...	...	...	...	...	...	250.00	35.00	.14			
...	141.00	25.33	...	...	141.00	25.33	.17			
...	16.00	13.00	...	...	16.00	13.00	.81			
...	...	232.50	{ 2,650.65 } { 14.96 }	...	...	2,986.00	8,584.48	...	...	3,218.50	11,250.09	3.49	3	13	3
...	...	43.00	29.65	...	...	185.00	110.05	...	...	228.00	139.70	.61			
...	...	3,886.00	875.08	...	...	842.00	322.15	...	...	4,728.00	1,197.23	.25			
...	10.00	2.65	...	...	10.00	2.65	.26			
...	...	9.00	5.75	...	...	...	...	...	...	9.00	5.75	.63			
...	20.00	9.35	...	...	20.00	9.35	.46			
...	614.00	341.80	...	...	614.00	341.80	.55			
...	6.00	8.00	...	...	6.00	8.00	1.33			
...	...	20.00	.70	...	...	...	...	...	...	20.00	.70	.03			
...	...	53.00	11.05	...	...	...	...	...	...	53.00	11.05	.20			
...	55.00	6.00	...	...	55.00	6.00	.10			
...	53.00	26.50	...	...	53.00	26.50	.50			
...	...	1,341.50	{ 396.66 } { pl40.70 }	...	...	...	...	...	...	1,341.50	437.36	.32			
...	...	24.00	1.75	...	...	...	...	...	...	24.00	1.75	.07			
...	19.00	14.95	...	...	19.00	14.95	.78			
...	7.60	101.00	25.95	...	...	25.00	5.24	...	7.60	126.00	31.19	.24			
...	2.00	.85	...	...	2.00	.85	.42			
...	2.00	3.00	...	...	2.00	3.00	1.50			
...	...	422.61	355.73	...	...	218.51	270.17	...	...	641.12	625.90	.97			
...	...	2.50	2.05	...	...	33.00	17.00	...	...	35.50	19.05	.53			
...	364.00	185.09	...	...	364.00	185.09	.50			
...	...	12.00	5.15	...	...	...	...	...	...	12.00	5.15	.42			
...	...	119.00	52.30	...	...	122.25	39.24	...	...	241.25	91.54	.37			
...	2.80	124.00	18.47	...	...	...	...	...	2.80	124.00	18.47	.14			
...	...	5,002.00	{ 2,396.78 } { pl227.04 }	...	...	4,752.00	3,015.93	...	...	9,754.00	5,639.75	.57	3	11	0
...	...	10.00	2.05	...	...	...	...	...	...	10.00	2.05	.20			
4,913.45	68.05	105,797.46	91,463.81	52.71	18.97	133,996.83	175,361.20	4,966.16	87.02	239,794.29	266,825.01	...			

TABLE II.—Return of

Coolgardie

COOLGARDIE

MINING CENTRE,	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward		513	2	35	Tons.	Tons.	2
Coolgardie	3562	Smith's Find		Ftd.						
Do.	3690 (3587)	South King's Cross		a. r. p.	9 1 38					
Do.	3578	St. George		Ftd.						
Do.	73	Star of the South		a. r. p.	9 3 24					
Do.	2725	Steadman's Choice		V.N.P.						
Do.	469	Thompson & Turney's Lease		V.N.P.						
Do.	1835	Tindal's Central		Ftd.						
Do.	3561	Tindal's Consols		V.N.P.						
Do.	3659 (3561)	Tindal's Consols		V.N.P.						
Do.	33		Tindal's Coolgardie Co., N.L.	G.M.	12	10				
Do.	1641	Tindal's Extended		Ftd.						
Do.	1385		Union Jack G.M. Co., N.L.		12					
Do.	3587	United Brothers		Ftd.						
Do.	3066	Uno		Ftd.						
Do.	3616	Valentine		V.N.P.						
Do.	3663	Victoria Cross		Wdn.						
Do.	3645 (3476)	Webster's Success		12						
Do.		Sundry Claims								
Gibraltar	1854	De Beers			24					
Do.	3621	De Beers West		V.N.P.						
Do.		Sundry Claims								
Londonderry	3714	Amber Queen			12					
Do.	2706	Black Hill		Abd.						
Do.	3586	Burbank's Eclipse			24					
Do.	3460	Cheapside			18					
Do.	3706	Federal			12					
Do.	3754	Garden Gully			5					
Do.	3748 (3628)	Golden Junction			12					
Do.	1889, 3490	Grosmont and Eclipse			30					
Do.	3473	Gympie Jim		Ftd.						
Do.	3628 (3473)	Gympie Jim		Abd.						
Do.	3702	Hidden Treasure			12					
Do.	3552	Lady Bell		V.N.P.						
Do.	3675	Latimer's Lease		V.N.P.						
Do.	575, 809, 1076		Londonderry G.M., Ltd.	a. r. p.	56 0 28	10				
Do.	3770 (3675)	Mornington			14					
Do.	831, 862, 963		Rome Consolidated G.Ms., Ltd.	V.N.P.						
Do.	3679	Rosecommon		Ftd.						
Do.	1383		Sam's Wealth of Nations Gold and Explorns., Ltd.		12					
Do.		Sundry Claims								
Red Hill	3408	Boomer			12					
Do.	3688	Evening Star			6					
Do.	3456	Ida May			24					
Do.	3481, 3525, 3584		Orchin G.M. Co., Ltd.	V.N.P.	10					
Do.	3404, 3417, 3426		Red Hill (W.A.) Gold Syndi- cate, Ltd.	a. r. p.	45 1 13	10	7			
Do.	3753	Sunrise			12					
Do.	3520	Telluride King		Ftd.						
Do.		Sundry Claims								
Widgiemoultha	1988/9...		Bass and Flinders G.M. Co., Ltd.	Ftd.						
Do.	3542	Bobby Dazzler		V.N.P.						
Do.	3696 (3542)	Bobby Dazzler			12					
Do.	1630, 1959		Cardiff Castle G.M., Ltd.	V.N.P.						
Do.	3548	Flinders			12					
Do.	3755	Highgate			12					
Do.	3280	Keep-it-dark		V.N.P.		pr1				
Do.	1840		Lefroy G.Ms. W.A., Ltd.	V.N.P.						
Do.	577		Lefroy Imperial G.M. Co., N.L.	V.N.P.						
Do.	3708	Macedon			12					
Do.	3648	Rising Sun			6					
Do.		Sundry Claims								
		From District generally								
		Notices of Purchase								
			Total		353	3	42			2

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
4,913.45	68.05	105,797.46	91,463.81	52.71	18.97	133,996.83	175,361.20	4,966.16	87.02	239,794.29	266,825.01	...			
...	21.00	80.40	...	...	21.00	80.40	3.82			
...	...	30.00	5.25	...	...	...	...	...	...	30.00	5.25	1.17			
...	61.00	89.50	...	...	61.00	89.50	1.47			
...	...	520.00	247.67	...	...	150.00	270.00	...	...	670.00	517.67	.77			
...	10.00	1.65	...	...	10.00	1.65	.16			
...	...	22.00	2.80	...	...	...	...	...	...	22.00	2.80	.12			
...	175.80	77.07	...	...	175.80	77.07	.43			
...	172.00	42.85	...	...	172.00	42.85	.24			
...	...	6.00	1.70	...	...	...	...	...	...	6.00	1.70	.28			
...	...	6,658.00	(1,965.43 {p/216.76})	...	...	3,552.00	1,083.82	...	...	10,210.00	3,266.01	.31	3	11	6
...	18.00	2.25	...	...	18.00	2.25	.12			
...	...	167.00	172.03	...	...	477.50	522.49	...	...	644.50	694.52	1.07			
...	56.00	32.05	...	...	56.00	32.05	.57			
...	16.00	34.40	...	...	16.00	34.40	2.15			
...	16.00	17.50	2.60	...	16.00	17.50	2.60	.14			
...	11.00	2.30	...	...	11.00	2.30	.20			
...	...	61.50	53.54	...	...	12.00	4.35	...	...	73.50	57.89	.78			
...	...	497.25	221.81	...	...	59.85	99.40	...	...	557.10	321.21	...			
...	3.00	4.50	...	...	3.00	4.50	1.50			
...	10.00	3.05	...	...	10.00	3.05	.30			
...	...	12.00	9.23	...	...	...	...	...	...	12.00	9.23	...			
...	...	58.50	20.11	...	...	...	...	...	...	58.50	20.11	.34			
...	...	7.00	1.70	...	...	...	...	...	...	7.00	1.70	.24			
...	...	47.92	23.80	...	...	26.00	24.80	...	...	73.92	48.60	.65			
...	...	45.00	42.70	...	...	323.52	310.45	...	...	368.52	353.15	.95			
...	...	41.50	30.58	...	...	...	...	...	...	41.50	30.58	.73	3	17	3
...	...	10.00	3.00	...	...	...	...	...	...	10.00	3.00	.30			
...	...	109.00	51.82	...	...	...	...	...	...	109.00	51.82	.47			
...	...	125.00	75.52	...	...	90.00	34.00	...	...	215.00	109.52	.50			
...	15.00	87.60	84.80	...	15.00	87.60	84.80	.96			
...	...	68.50	43.00	...	...	...	...	...	...	68.50	43.00	.62			
...	18.50	18.50	33.45	...	...	...	...	...	18.50	18.50	33.45	1.80			
...	50.00	21.60	...	...	50.00	21.60	.43			
...	...	8.40	6.10	...	...	...	...	...	...	8.40	6.10	.72			
...	...	4,741.00	3,004.01	...	...	5,057.00	7,718.30	...	...	9,798.00	10,722.31	1.09	3	7	10
...	...	29.00	11.42	...	...	...	...	...	...	29.00	11.42	.39			
...	30.00	10.23	...	...	30.00	10.23	.34			
...	...	15.00	2.35	...	...	...	...	...	...	15.00	2.35	.15			
...	73.00	20.00	...	...	73.00	20.00	.27			
...	...	165.85	170.15	...	...	...	...	...	...	165.85	170.15	...			
...	...	20.00	56.50	...	...	10.00	63.45	...	...	30.00	119.95	3.99			
...	3.40	...	...	...	...	...	...	...	3.40	...	...	...
...	...	12.25	35.86	...	...	10.00	18.90	...	...	22.25	54.76	2.46			
...	...	355.00	150.29	...	...	478.00	129.00	...	...	833.00	279.29	.33			
...	406.44	800.00	1,357.93	...	757.06	542.00	1,620.95	...	1,163.50	1,842.00	2,978.88	2.21			
...	...	40.00	23.00	...	...	...	...	...	...	40.00	23.00	.57			
...	25.00	30.89	...	...	25.00	30.89	1.23			
...	57	...	...	...	...	...	...	...	57	...	...	...
...	10.00	5.50	...	...	10.00	5.50	.55			
...	54.33	...	...	...	54.33	...	...	...
...	15.50	10.00	6.80	...	...	...	...	...	15.50	10.00	6.80	.68			
...	1,350.00	254.65	...	...	1,350.00	254.65	.18			
...	28.26	38.60	135.44	...	...	...	...	...	28.26	38.60	135.44	3.50	3	19	10
...			
...	18.00	65.01	...	...	18.00	65.01	3.61			
...	100.00	10.00	...	...	100.00	10.00	.10			
...	13.00	29.85	...	...	13.00	29.85	2.29			
...	...	10.00	5.25	...	...	...	...	...	...	10.00	5.25	.52			
...	59.80	34.00	40.62	...	...	20	15.00	...	59.80	34.20	55.62	1.62	4	2	6
...	2.00	17.00	4.70	...	...	...	...	...	2.00	17.00	4.70	...			
521.21	521.21	...	...	...	...
1,037.52	1,037.52	...	...	...	...
6,472.18	602.52	120,598.23	99,696.13	52.71	861.36	147,112.80	188,181.26	6,524.89	1,463.88	267,711.03	237,877.39	1.07			

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	48'00	51'20	...	...	48'00	51'20	1'06			
...	12'00	6'00	...	...	12'00	6'00	'50			
...	...	32'00	10'75	...	...	53'45	92'85	...	...	85'45	103'60	1'21			
...	20'00	11'35	...	...	20'00	11'35	'56			
...	...	42'00	9'04	...	...	...	...	...	...	42'00	9'04	'21			
...	...	133'00	96'99	...	...	62'00	112'14	...	...	195'00	209'13	1'07			
...	...	36'20	22'62	...	...	...	...	...	...	36'20	22'62	'62			
...	...	39'00	20'65	...	...	122'00	116'03	...	...	161'00	137'43	'85			
...			
...	9'85	14'00	20'12	...	...	...	...	...	9'85	14'00	20'12	1'43			
...	...	446'00	165'00	...	...	73'00	21'00	...	...	519'00	186'00	'35			
...	...	18'00	11'20	...	...	...	...	...	...	18'00	11'20	'62			
...	...	40'00	30'08	...	...	...	...	...	...	40'00	30'08	'75			
...	...	74'00	68'15	...	...	...	...	...	...	74'00	68'15	'92			
...	...	168'00	212'25	...	...	318'00	408'25	...	...	486'00	620'50	1'27			
...	...	46'50	34'60	...	...	26'00	38'70	...	...	72'50	73'30	1'01			
...	...	36'00	32'05	...	...	...	...	...	...	36'00	32'05	'89			
...	38	10'00	11'90	...	...	...	...	...	38	10'00	11'90	...			
...	85'00	2'00	...	...	85'00	2'00	'02			
...	100'00	28'00	...	...	100'00	28'00	'28			
...	...	70'00	30'80	...	...	...	...	...	...	70'00	30'80	'44			
...	...	48'00	33'53	...	...	639'50	786'68	...	...	687'50	820'21	1'19			
...	...	181'00	233'95	...	...	173'00	347'85	...	...	354'00	581'80	1'64			
...	8'00	33'00	177'12	...	17'33	18'50	126'43	...	25'33	51'50	303'55	5'89			
...	686'10	49'00	214'30	...	...	...	...	...	686'10	49'00	214'30	4'37			
...	...	180'00	132'00	...	...	...	...	...	...	180'00	132'00	'73			
...	...	51'00	20'50	...	...	120'50	228'50	...	...	171'50	249'00	1'45			
...	2'03	31'50	33'95	...	...	30'50	33'41	...	2'03	62'00	67'36	1'08			
...	...	1,658'50	1,827'53	...	...	100'00	213'25	...	...	1,758'50	2,040'78	1'16	3	5	6
...	...	26'00	18'50	...	209'00	4'35	309'39	...	209'00	30'35	327'89	...			
...	24'00	9'35	...	...	24'00	9'35	'38			
...	...	717'50	748'64	...	...	628'90	743'24	...	...	1,346'40	1,491'88	1'10			
...	33'00	38'55	...	...	33'00	38'55	1'16			
...	201'50	234'79	...	...	201'50	234'79	1'16			
...	...	20'00	17'00	...	...	65'00	72'00	...	...	85'00	89'00	1'04			
...	13'00	13'03	...	...	13'00	13'03	1'00			
...	100'00	32'00	...	...	100'00	32'00	'32			
...	4'22	42'00	40'11	...	...	82'15	391'12	...	4'22	124'15	431'23	3'47			
...	...	17'00	129'33	...	...	...	...	...	...	17'00	129'33	7'60			
...	...	15'00	6'10	...	...	...	...	...	...	15'00	6'10	...			
...	15'20	6'00	24'60	...	15'20	6'00	24'60	4'10			
...	119'92	229'00	193'84	...	119'92	229'00	193'84	'84			
...	43'50	15'20	...	...	43'50	15'20	'34			
...	...	66'00	38'80	...	...	16'00	7'42	...	...	82'00	46'22	'56			
...	10'00	5'00	...	...	10'00	5'00	'50			
...	...	166'00	163'58	...	...	44'00	100'00	...	...	210'00	263'58	1'25			
...	...	26'00	29'85	...	...	...	...	...	...	26'00	29'85	1'14			
...	...	29'00	19'15	...	...	...	...	...	...	29'00	19'15	'66			
...	...	20'00	11'36	...	...	...	...	...	...	20'00	11'36	'56			
...	...	5,830'00	1,822'30	...	...	7,715'00	4,545'94	...	...	13,545'00	6,509'84	'48	3	13	9½
...	...	29'00	22'80	...	...	...	...	...	...	29'00	22'80	...			
...	...	17'50	25'55	...	...	34'00	57'90	...	...	51'50	83'45	1'62			
...	101'00	143'60	...	...	101'00	143'60	1'42			
...	...	21'00	39'50	...	...	...	...	...	...	21'00	39'50	1'88			
...	...	10'00	5'00	...	...	...	...	...	...	10'00	5'00	'50			
...	...	404'35	409'10	...	...	719'00	672'87	...	...	1,123'35	1,081'97	'96	3	17	0
...	...	59'00	58'17	...	...	100'50	79'70	...	...	159'50	137'87	'86			
...	...	1,364'50	464'53	...	...	625'80	145'02	...	...	1,990'30	750'68	'37	3	17	5½
...	98'50	169'85	...	...	98'50	169'85	1'72			
...	10'00	5'00	...	...	10'00	5'00	'50			
...	12'90	52'00	33'75	...	...	47'30	27'56	...	12'90	99'30	61'31	'61			
4'22	719'26	12,368'55	7,835'68	...	361'45	12,952'95	10,660'61	4'22	1,080'71	25,321'50	18,496'29	...			

TABLE II.—Return of

Coolgardie

KUNANALLING

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
			Brought forward ...		73					
Kintore	{ 77s, 93s, 99s, 100s, 105s, 135s, 137/9s }	...	Great Cement Prop., Ltd. ...	a. r. p. 168 3 22	20					
Do.	93s, 99s, 135s, 137/9s	...	Great Dyke and Orizaba Cement Claims, Ltd.	113 3 22						
Do.	442s	Great Junction	...	9						
Do.	61/2s	...	Hands Across the Sea G.M. Co., Ltd.	a. r. p. 21 2 36	5					
Do.	89s	Hands Across the Sea Untd.	...	V.N.P.						
Do.	447s	John Bull	...	6						
Do.	462s	John Bull East	...	V.N.P.						
Do.	405s	Kieora	...	12						
Do.	505s	King Bruce	...	Abd.						
Do.	269s	Kinross	...	V.N.P.						
Do.	420s	Lady Alice	...	V.N.P.						
Do.	414s	Lady Elizabeth	...	V.N.P.						
Do.	446s	Life Boat	...	Abd.						
Do.	77s	Ormuz	...	24						
Do.	189s	Pantomime	...	18						
Do.	491s	Sarmatea	...	6						
Do.	472s, 490s	Sydney Mint leases	...	18						
Do.	161s, 132s, (359s) 409s	...	Sugar Loaf 25-Mile Cement Leases, Ltd.	a. r. p. 43 0 6						
Do.	100s, 105s	...	W.A. Proprietary Cement Leases, Ltd.	31						
Do.	489s	Welcome Sailor	...	6						
Do.	...	Sundry Claims	...	...				
25-Mile	502s	Avondale	...	3						
Do.	439s	Big Blow	...	V.N.P.						
Do.	28s, 71s, 162s...	...	Blackett's G.Ms., Limited...	42		3	20	250		
Do.	11s	Brevier	...	V.N.P.						
Do.	458s (248s)	Broncho	...	12						
Do.	404s	Castle View East	...	V.N.P.						
Do.	190s	Charles Dickens	...	V.N.P.						
Do.	15s	Eclipse	...	V.N.P.						
Do.	111s	Emu	...	12						
Do.	14s, 53s	...	Fremantle Consolidated G.M. Co., N.L.	V.N.P.						
Do.	12s	Gladstone Extended	...	V.N.P.						
Do.	16s	...	Gold Explorers, Limited	V.N.P.						
Do.	1s (6s)	...	Lone Hand G.Ms., Limited	12						
Do.	248s	Multum in Parvo	...	Ftd.						
Do.	427s	Palmer	...	V.N.P.						
Do.	243s	Pearce's Find	...	12						
Do.	70s, 79s, 111s, 278s, 436s	...	Premier G.M. Co., N.L.	a. r. p. 83 3 33	25					
Do.	74s	Premier South	...	9						
Do.	74s	...	Premier South G.M. Co.	9						
Do.	45s	...	Royal Sovereign G.M. Co., Limited	Abd.						
Do.	528s (439s)	Try Again	...	6						
Do.	...	Sundry Claims	...	...				
Siberia	319s	A. Golden	...	Ftd.						
Do.	464s	Admiral Dewey	...	V.N.P.						
Do.	152s	Camperdown	...	12						
Do.	34s	Fair Adelaide	...	Ftd.						
Do.	479s (34s)	Fair Adelaide	...	12	3					
Do.	470s (319s)	Golden	...	V.N.P.						
Do.	W.R. 4250	...	(Government Well)...	...	1					
Do.	509s	Independence	...	12						
Do.	519s	Invincible	...	12						
Do.	534s	Majestic	...	12						
Do.	106s	Mexico	...	13	5	(1 2)	10 15	250		
Do.	151s	Mexico Extended	...	12						
Do.	299s	Pole	...	12	5					
Do.	124s	Waverley	...	9						
Do.	...	Sundry Claims	...	...				
			Total		136	1	6			

Ore Treated, etc.—continued.

Goldfield—continued.

DISTRICT—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
4.22	719.26	12,368.55	7,835.68	...	361.45	12,952.95	10,660.61	4.22	1,080.71	25,321.50	18,496.29	...			
...	...	5,742.00	(1,357.52 )	...	...	...	...	...	...	5,742.00	1,362.52	...			
...	(9 5.00 )	...	...	3,537.00	1,156.48	...	...	3,537.00	1,156.48	...			
...	...	132.80	180.83	...	...	114.00	134.50	...	...	246.80	315.33	...			1.27
...	...	871.00	787.41	...	...	1,602.00	1,206.86	...	...	2,473.00	1,994.27	...			.80
...	30.00	33.00	...	...	30.00	33.00	...			1.10
...	...	18.00	18.15	...	...	101.50	136.84	...	...	119.50	154.99	...			1.29
...	...	25.00	21.40	...	...	45.00	95.70	...	...	70.00	117.10	...			1.67
...	...	62.50	228.42	...	...	28.50	165.75	...	...	91.00	394.17	...			4.33
...	...	33.50	14.65	...	...	...	...	...	...	33.50	14.65	...			.43
...	24.00	24.45	...	...	24.00	24.45	...			1.01
...	28.00	23.50	...	...	28.00	23.50	...			.83
...	9.75	9.25	...	...	9.75	9.25	...			.94
...	33.00	13.10	...	...	33.00	13.10	...			.39
...	...	1,802.00	2,568.98	...	...	2,717.75	2,362.10	...	...	4,519.75	4,931.08	...			1.09
...	...	91.00	94.15	...	...	121.00	128.85	...	...	212.00	223.00	...			1.05
...	...	66.50	719.38	...	...	...	...	...	...	66.50	719.38	...			...
...	84.68	275.06	553.02	...	...	...	...	...	84.68	275.06	553.02	...			2.01
...	299.50	1,131.83	...	...	299.50	1,131.83	...			3.77
...	32.74	...	...	...	...	4,575.75	7,938.00	...	32.74	4,575.75	7,938.00	...			1.73
...	...	70.50	109.35	...	...	...	...	...	...	70.50	109.35	...			1.55
...	...	10.00	32.69	...	...	...	...	...	...	10.00	32.69	...			...
...	...	65.00	32.36	...	...	...	...	...	...	65.00	32.36	...			.49
...	...	126.00	84.65	...	...	187.75	152.56	...	...	313.75	237.21	...			.75
...	813.25	574.23	...	...	813.25	574.23	...			.70
...	104.50	50.27	...	...	104.50	50.27	...			.48
...	...	147.00	170.79	...	...	40.00	17.66	...	...	187.00	188.45	...			1.00
...	152.50	73.83	...	...	152.50	73.83	...			.48
...	...	20.00	5.60	...	...	...	...	...	...	20.00	5.60	...			.28
...	50.00	33.75	...	...	50.00	33.75	...			.67
...	...	41.00	33.10	...	...	102.00	146.82	...	...	143.00	179.92	...			1.25
...	7.00	134.00	...	7.00	134.00	380.50	...			2.83
...	80.00	23.00	...	...	80.00	23.00	...			.28
...	95.50	54.25	...	...	95.50	54.25	...			.56
...	...	105.00	25.30	...	...	112.70	114.53	...	...	217.70	139.83	...			.64
...	55.00	68.80	...	...	55.00	68.80	...			1.25
...	93.50	66.65	...	...	93.50	66.65	...			.71
...	...	23.00	11.87	...	...	10.00	60.00	...	...	33.00	71.87	...			2.17
...	...	11,189.00	6,590.17	...	...	16,584.00	17,072.83	...	...	27,773.00	23,663.00	...			.85
...	69.00	126.10	...	...	69.00	126.10	...			1.82
...	813.00	268.98	...	...	813.00	268.98	...			.33
...	92.00	226.38	...	...	92.00	226.38	...			2.46
...	...	29.00	35.89	...	...	...	...	...	...	29.00	35.89	...			1.23
...	30	68.00	46.05	...	94.00	14.35	35.10	...	94.30	82.35	81.15	...			...
...	72.00	14.10	105.00	...	72.00	14.10	105.00	...			7.44
...	...	20.50	33.10	...	...	26.00	36.45	...	...	46.50	69.55	...			1.49
...05	100.00	...	...	.05	100.00	...			...
...	18.00	23.45	...	...	18.00	23.45	...			1.30
...	...	26.00	133.50	...	...	...	...	...	...	26.00	133.50	...			5.13
...
...	4.00	21.00	7.30	...	...	...	...	...	4.00	21.00	7.30	...			.34
...	170.04	...	...	...	...	...	...	...	170.04	...	...	...			...
...	...	5.00	2.61	...	...	...	...	...	...	5.00	2.61	...			.52
...	...	713.00	(1300.48 )	...	...	1,510.50	3,069.75	...	...	2,223.50	4,395.81	...			1.97
...	(pl 25.58 )	...	...	...	...	...	...	...	...	...			...
...	66.00	37.90	...	...	66.00	37.90	...			.57
...	...	110.00	(121.38 )	...	...	440.00	470.36	...	...	550.00	634.25	...			1.15
...	(pl 42.51 )	...	...	...	...	...	...	...	...	...			...
...	100.00	96.00	108.75	...	...	215.80	406.33	...	100.00	311.80	515.08	...			1.65
...	...	32.00	33.20	...	...	...	...	...	...	32.00	33.20	...			...
4.22	1,111.02	34,404.91	23,370.32	...	534.45	48,113.20	49,016.30	4.22	1,645.47	82,518.11	72,337.12	...			.87

TABLE II.—Return of

Yilgarn

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.			Cyaniding.		
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Blackbourne ...	302 ...	Royal Victoria South ...	...	Ftd.	...	...	...	Tons.	Tons.	...
Golden Valley ...	193 ...	Kathleen ...	...	Ftd.	...	...	...	...	...	...
Greenmount ...	374 ...	Ardath ...	...	18	...	...	...	...	...	...
Hope's Hill ...	19, 52, 288, 360, 480	...	Hope's Hill G.Ms., Ltd.	75	70	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Mt. Jackson ...	212, 217, 233, 397, 462	...	Mt. Jackson G.Ms., Ltd.	a. r. p. 55 2 30	10	...	...	...	...	...
Mt. Rankin ...	416 ...	Mt. Rankin ...	...	10 1 16	...	...	...	...	...	...
Parker's Range	T.A. 13 ...	Cyaniding Syndicate ...	(McMahon and others) ...	...	...	2	8	100	...	...
Do. ...	310 ...	Good Brothers ...	...	Ftd.	...	...	...	...	...	...
Do. ...	263 ...	Golden Key Extended ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	240 ...	Just in Time ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	443 ...	Lydia ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	T.A. 9 ...	...	Australian Mines Agency, Ltd.	...	...	...	...	...	...	...
Do. ...	216 ...	...	Carlyle G.M. Co. ...	V.N.P.	...	...	...	...	...	...
Do. ...	250 ...	Queen of Sheba ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	...	Small Horse Battery ...	(Stubbs, J. H.) ...	...	3	...	...	...	...	...
Southern Cross	473 ...	Ave Maria ...	...	24	2	...	...	...	...	...
Do. ...	279 ...	...	Central G.M. Co., N.L. ...	24	25	...	...	...	...	...
Do. ...	280 ...	...	No. 1 Central Extd. G.M. Co., N.L.	V.N.P.	...	...	...	...	...	...
Do. ...	13 ...	...	Fraser's G.M. Co., N.L. ...	25	30	...	...	...	...	...
Do. ...	29 ...	...	Fraser's South G.M. Co., Ltd.	25	20	...	...	...	...	...
Do. ...	256 ...	...	Fraser's South Extd. G.M. Co., Ltd.	24	10	...	...	...	...	...
Do. ...	448 ...	Golden Pig North ...	...	Ftd.	...	...	...	...	...	...
Do. ...	230 (253) ...	...	Water Trust & Public Crush- ing Co. of W.A., Ltd.	24	...	...	...	...	...	...
Do. ...	449 ...	Golden Rock ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	470 ...	Great Southern ...	...	18	...	...	...	...	...	...
Do. ...	454 ...	Southern Cross Boulder ...	...	V.N.P.	...	...	...	...	...	...
Do. ...	252 ...	Tarcoola ...	...	12	...	...	...	...	...	...
Do. ...	276 ...	Tarcoola North ...	...	12	...	...	...	...	...	...
Do. ...	...	Sundry Claims ...	...	...	...	...	...	...	...	...
Do. ...	...	Sundry Parcels treated at Small Horse Battery, Parker's Range	...	...	...	...	...	...	...	...
Total ...				...	170	...	2	...	...	...

Ore Treated, etc.—continued.

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	84·00	52·52	...	...	84·00	52·52	·62	
...	130·00	271·85	...	...	130·00	271·85	2·09	
...	...	50·00	14·18	...	...	25·00	7·35	...	...	75·00	21·53	·28	
...	...	2,140·00	925·77 (pl. 37·68)	...	...	29,459·00	10,466·56	...	...	31,599·00	11,430·01	·36	3 17 6
...	...	23·00	5·00	...	...	...	...	...	...	23·00	5·00	...	
...	...	4,252·00	3,777·02	...	...	3,130·00	2,110·94	...	...	7,382·00	5,887·96	·79	3 6 8
...	56·00	26·65	...	...	56·00	26·65	·47	
...	...	35·00	24·00	...	...	...	...	...	...	35·00	24·00	·68	
...	20·00	12·55	...	...	20·00	12·55	·62	
...	15·00	23·65	...	...	15·00	23·65	1·57	
...	10·00	1·00	...	...	10·00	1·00	·10	
...	cy. 256·65	...	...	...	...	...	...	...	256·65	...	
...	36·00	58·75	...	...	36·00	58·75	1·63	
...	2·00	1·50	...	...	2·00	1·50	·75	
...	...	25·00	5·93	...	...	...	...	...	...	25·00	5·93	·23	3 17 7
...	...	1,208·00	553·38	...	...	42,261·00	21,767·12	...	...	43,469·00	22,320·50	·51	3 10 6
...	10,374·00	5,172·15	...	...	10,374·00	5,172·15	·49	
...	...	23,870·00	8,757·30	...	...	101,575·00	54,966·50	...	...	125,445·00	63,723·80	·50	3 14 8½
...	48,233·00	26,157·67	...	...	48,233·00	26,157·67	·54	
...	...	1,590·18	1,824·55	...	...	120·00	273·60	...	...	1,710·18	2,098·15	1·22	3 19 11½
...	20·00	5·65	...	...	20·00	5·65	·28	
...	3,059·35	869·43	...	...	3,059·35	869·43	·28	
...	...	12·00	1·73	...	...	...	...	...	...	12·00	1·73	·14	
...	...	192·00	181·59	...	...	...	...	...	...	192·00	181·59	·94	
...	50·00	10·75	...	...	50·00	10·75	·21	
...	11·00	19·80	...	...	11·00	19·80	1·80	
...	50·00	22·65	...	...	50·00	22·65	·45	
...	738·18	...	...	...	738·18	...	...	...
...	...	6·00	7·00	...	...	...	...	...	...	6·00	7·00	...	
...	...	33,403·18	16,371·78	...	738·18	238,720·35	122,298·64	...	738·18	272,123·53	138,670·42	·50	

TABLE II.—Return of

Dundas

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
								Tons.	Tons.	
Baldania	656	Ajax North		12						
Do.	515	Apsay South		Ftd.						
Do.	602	Birthday Extended		V.N.P.						
Do.	516	Birthday Gift		12						
Do.	499, 536	Buldania Bells		Ftd.						
Do.	642	Buldania Proprietary		Ftd.						
Do.	506	I.X.L.		Ftd.						
Do.	651 (515)	Mineva		V.N.P.						
Dundas	475	Agnes Roberts		Ftd.						
Do.	362, 379	Albion leases		Ftd.						
Do.	736	Birthday Gift		12						
Do.	717	Charlotte Simons		Wdn.						
Do.	741	Easter Gift		24	3					
Do.	226	Empire		Ftd.						
Do.	649	Just-in-Time		V.N.P.						
Do.	735	King Arthur		12						
Do.	703 (589)	Magill		V.N.P.						
Do.	589	Magill Block		Ftd.						
Do.	4, R.C. 1, M.A. 22		Mawson's Reward Claim, Ltd.	a. r. p. 24 2 16	15					
Do.	680	Scotia		Ftd.						
Do.	755 (680)	Scotia		12	3					
Do.	688	Southern Cross		Abd.						
Do.	754 (688)	Southern Cross		Wdn.						
Do.	710	Two in the Bush		Abd.						
Do.		Sundry Claims								
Killaloe	454	Killaloe		V.N.P.						
Norseman	583	Albemarle		12						
Do.	39, 97		All Nations G.Ms., Ltd.	a. r. p. 24 1 39						
Do.	789	Belmont		12						
Do.	729	Block 14 Proprietary		10						
Do.	730	Bon Accord		Wdn.						
Do.	734 (730)	Bon Accord		3						
Do.	571	Break o' Day		24	10	4	25	400		
Do.	618	Break o' Day Central		12						
Do.	612	Break o' Day South		12						
Do.	244	Canton		Ftd.						
Do.	579, 690, 700		Cumberland G.M. Co., N.L.	60						
Do.	84/5, 152, 168, 196, 228/9		Desirable Proprietary G.Ms., W.A., Ltd.	84	20	5	34	900		
Do.	155	Eclipse		Surr.						
Do.	128	Edwards		Ftd.						
Do.	275	Excelsiora Magna		V.N.P.						
Do.	660	Federal		V.N.P.						
Do.	231	Four Jolly Smiths		Abd.						
Do.	743	G. G.		5						
Do.	706	Gift		12						
Do.	727	Glasgow		Ftd.						
Do.	376	Golden Allie		V.N.P.						
Do.	644	Iona		Abd.						
Do.	177	Jessie Margaret		Ftd.						
Do.	53	John Bull		14						
Do.	52, 71, 614		Kirkpatrick's Consolidated G.M. Co., N.L.	30						
Do.	693	Klondyke		V.N.P.						
Do.	712	Kyneton		Ftd.						
Do.	764	Lady Bella		a. r. p. 5 1 0						
Do.	765	Lady Bella North		6						
Do.	49, 99, 635/6	Lady Mary leases		54	20					
Do.	713	Lady Mary North		Ftd.						
Do.	738/9		Lady Mary South G.M. Co., N.L.	36						
Do.	725	Lady Helen		Wdn.						
Do.	748	Lady Jean		Abd.						
Do.	757	Lady Jean		12						
Do.	695	Lily		12						
Do.	786	Little Jim		Wdn.						
Do.	610	Little Wonder		Abd.						
Do.	663	Lone Hand		Abd.						
Do.	108	Lucky Hit		Ftd.						
Do.	M.A. 27		(Carr, T. J.)		6					
			Carried forward		77		9			

Ore Treated, etc.—continued.

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.
Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dolled and Specimens	Ore treated.	Gold therefrom.		
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£ s. d.
...	11-00	11-98	...	...	11-00	11-98	1-09	
...	50	7-00	...	...	50	7-00	...	
...	10-00	2-00	...	...	10-00	2-00	2-20	
...	86-80	102-58	...	...	86-80	102-58	1-18	
...	144-50	237-75	...	...	144-50	237-75	1-64	
...	18-00	7-12	...	...	18-00	7-12	3-39	
...	31-75	66-00	...	...	31-75	66-00	2-07	
...	17-50	16-07	...	...	17-50	16-07	4-91	
...	20-00	14-20	...	...	20-00	14-20	7-71	
...	12-23	27-95	...	...	12-23	27-95	2-28	
...	...	44-00	37-75	...	...	...	...	...	...	44-00	37-75	8-85	
...	12-00	3-00	...	...	12-00	3-00	2-25	
...	...	11-00	9-45	...	...	...	...	...	...	11-00	9-45	8-85	
...	46-00	9-13	...	...	46-00	9-13	1-19	
...	30-00	2-00	...	...	30-00	2-00	6-06	
...	...	4-00	1-30	...	...	...	...	...	...	4-00	1-30	3-32	
...	...	25-00	2-40	...	...	...	...	...	...	25-00	2-40	3-36	
...	25-00	26-00	...	...	25-00	26-00	1-04	
...	...	1,288-00	464-96	...	...	1,685-50	1,262-33	...	...	2,973-50	1,727-29	5-58	2 11 0
...	70-00	31-53	...	...	70-00	31-53	4-45	
...	...	15-00	5-75	...	...	...	...	...	...	15-00	5-75	3-38	
...	40-00	6-25	...	...	40-00	6-25	1-15	
...	...	40-00	2-63	...	...	...	...	...	...	40-00	2-63	6-06	
...	69-00	35-63	...	...	69-00	35-63	5-51	
...	7-00	7-48	...	...	7-00	7-48	...	
...	20-65	7-75	...	...	20-65	7-75	3-37	
...	370-00	841-30	...	...	370-00	841-30	2-27	
...	200-00	67-60	...	...	200-00	67-60	3-33	
...	...	6-00	60-00	...	...	...	...	...	...	6-00	60-00	...	
...	4-42	71-50	78-76	...	...	17-00	31-52	...	4-42	88-50	110-28	1-24	
...	...	37-75	57-13	...	...	...	...	...	...	37-75	57-13	1-51	
...	...	134-00	108-90	...	...	...	...	...	...	134-00	108-90	8-81	
...	...	2,170-00	2,994-38	...	...	1,244-00	3,232-75	...	...	3,414-00	6,227-13	1-82	3 18 1
...	...	5-00	5-86	...	...	...	...	...	...	5-00	5-86	1-17	
...	...	14-00	4-20	...	...	119-15	251-31	...	...	133-15	255-51	1-91	
...	...	6-00	2-70	...	...	...	...	...	...	6-00	2-70	4-45	
...	...	568-00	524-73	...	...	781-10	1,894-08	...	...	1,349-10	2,418-81	1-79	
...	...	32-00	294-13	...	...	4,573-00	3,624-08	...	...	4,605-00	3,925-17	8-85	3 10 9 1/2
...	16-96	...	...	...	...	...	...	...	...	...
...	35-00	10-45	...	...	35-00	10-45	2-29	
...	...	65-00	132-27	...	...	833-00	1,277-80	...	...	898-00	1,410-07	1-57	
...	20-00	4-00	...	...	20-00	4-00	2-20	
...	40-00	6-00	...	...	40-00	6-00	1-15	
...	37-00	13-23	...	...	37-00	13-23	3-35	
...	75	60-00	20-65	...	...	...	...	...	...	60-00	20-65	3-34	
...	...	472-00	348-45	...	...	196-00	81-68	...	...	668-00	430-13	6-64	
...	...	34-05	29-67	...	...	...	...	...	...	34-05	29-67	8-87	
...	6-25	2-15	...	...	6-25	2-15	3-34	
...	44-50	9-50	...	...	44-50	9-50	2-21	
...	24-00	4-00	...	...	24-00	4-00	1-16	
...	314-00	315-15	...	...	314-00	315-15	1-00	
...	...	296-00	329-63	...	...	200-00	297-29	...	...	496-00	626-92	1-26	
...	15-00	11-25	...	...	15-00	11-25	7-75	
...	...	54-00	18-25	...	...	12-00	5-40	...	...	66-00	23-65	3-35	
...	...	29-00	300-90	...	...	...	...	...	...	29-00	300-90	...	
...	3-45	...	...	...	...	...	...	...	...	...	...	...
...	...	9,346-00	8,799-66	...	...	3,799-50	4,918-25	...	...	13,145-50	13,717-91	1-04	3 17 10
...	...	12-00	3-00	...	...	...	...	...	...	12-00	3-00	2-25	
...	...	150-00	45-50	...	...	80-00	96-30	...	...	230-00	141-80	6-61	
...	6-00	3-73	...	...	6-00	3-73	6-62	
...	...	22-00	1-60	...	...	...	...	...	...	22-00	1-60	7-07	
...	6-00	82-00	202-17	...	...	...	...	...	...	82-00	202-17	2-46	
...	...	118-00	39-38	...	...	278-00	123-50	...	6-00	396-00	162-88	4-41	
...	16-56	...	...	...	...	...	...	...	16-56	...	...	...
...	316-00	375-85	...	...	316-00	375-85	1-18	
...	150-00	16-50	...	...	150-00	16-50	1-11	
...	63-00	26-40	...	...	63-00	26-40	4-41	
...	
...	31-18	15,211-30	14,933-12	...	...	16,180-93	19,450-00	...	31-18	31,392-23	34,383-12	...	

TABLE II.—Return of

Dundas

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.							
					Milling.			Cyaniding.				
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.	Tons.	Tons.
			Brought forward		77		9					
Norseman	M.A. 29	...	(Fowler, F. G.)		5							
Do.	56	Maloney	...	Ftd.								
Do.	704	Mararoa	...	24								
Do.	53	...	Midas G.M. Co., N.L.	14								
Do.	91	Middleton	...	V.N.P.								
Do.	666	Morell	...	V.N.P.								
Do.	54	Morning Star	...	Ftd.								
Do.	40	Mt. Barker Extd., No. 2 North	...	V.N.P.								
Do.	14	...	Mt. Barker Reward G.M. Co., N.L.	12								
Do.	42/3, 681	...	Mt. Benson G.M. Co., N.L.	a. r. p. 23 1 8	10		2	50	400			
Do.	639	New Chum	...	V.N.P.								
Do.	707 (98)	New Ophir	...	Abd.								
Do.	(145) 686	...	New Queensland Norseman G.M. Co., N.L.	12								
Do.	16, 482, 685	...	No. 1 North Norseman G.M. Co., N.L.	42	10		3	36	400			
Do.	M.A. 18	...	Norseman Crushing and Cyanide Works (late Bevi- laqua's Public Battery)		10		3	15				
Do.	18/9, 20/2, 24/6, 48, 94, 101, 115/6, 138, 235/6, 239, 611	...	Norseman G.Ms., Ltd.	a. r. p. 180 1 7	20	b 2						
Do.	15, 149	...	Norseman G.M. Co., N.L.	Ftd.								
Do.	15, 740	Norseman leases	...	Ftd.								
Do.	731	Norseman South Bonanza	...	12								
Do.	98	Ophir	...	Ftd.								
Do.	648	Prince of the West	...	V.N.P.								
Do.	106, 187, 587	...	Princess Royal G.M. Co., N.L.	a. r. p. 51 3 12	30		3	100	1,200			
Do.	187	Princess Royal South	...	18								
Do.	760	Priscilla	...	Ref.								
Do.	390	Queen of the West	...	12								
Do.	17, 57	...	Royal Dane G.M. Co., N.L.	Ftd.								
Do.	29, 35/6, 189, 483, M.A. 7	...	St. Agnes Gold Reefs, Ltd.	Ftd.								
Do.	46	St. Agnes, No. 1, North-East	...	V.N.P.								
Do.	702	St. Patrick	...	5								
Do.	44, 139	...	Sudden Norseman and Mace- donia G.M. Co., N.L.	V.N.P.								
Do.	88, 89, 147, M.A. 10	Three Colonies leases	...	a. r. p. 48 3 24	10	k 1	4	12	200			
Do.	655	Three Kingdoms	...	Ftd.								
Do.	220, 257	...	Three Stars Kirkpatrick's G.M. Co., N.L.	Ftd.								
Do.	746	Tommy Adkins	...	Ftd.								
Do.	768	Trump Card	...	10								
Do.	114	Union	...	V.N.P.								
Do.	127	United Miners	...	V.N.P.								
Do.	22, 24, 239	...	United Scotchman G.M. Co., N.L.	a. r. p. 16 0 18								
Do.	778	Viking South	...	24								
Do.	137	Waratah	...	18								
Do.	609	Waverley	...	V.N.P.								
Do.	403	Welcome	...	V.N.P.								
Do.	732	Welcome	...	12								
Do.	...	Government Public Battery	...	10								
Do.	...	Sundry Claims	...									
Peninsula	96, 129	...	Central Wealth Consolidated Goldfields, Ltd.	a. r. p. 37 3 34	10							
Do.	543	Day Dawn, No. 1 North Extended	...	12								
Do.	521	Pathway Hill Sundry Parcels treated at From Goldfield generally	Norseman Crushing and Cyanide Works	Ftd.								
			Total		192	3	24					

Ore Treated, etc.—continued.

Goldfield—continued.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.			
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.					
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.	
...	31.18	15,211.30	14,933.12	...	...	16,180.93	19,450.00	...	31.18	31,392.23	34,383.12	...			
...	
...	...	1,024.00	736.90	...	...	70.00	73.00	...	...	70.00	73.00	...	1.04		
...	...	366.00	206.24	...	...	279.50	179.75	...	...	1,303.50	916.65	...	.70		
...	...	7.00	1.35	...	...	...	...	...	...	366.00	206.24	...	.56		
...	23.00	3.75	...	...	30.00	5.10	...	.17			
...	77.50	...	...	...	77.50	...	...	...	...	...
...	50.00	17.50	...	...	50.00	17.50	...	.35			
...	...	10.00	2.35	...	...	58.00	10.80	...	...	68.00	13.15	...	.19		
...	19.50	9.00	...	...	19.50	9.00	...	.46			
...	...	972.00	1,362.70	2,579.40	2,055.53	3,551.40	3,418.2396	3	14	6
...	...	6.00	1.70	...	...	...	...	...	...	6.00	1.70	...	.28		
...	38.00	24.80	...	...	38.00	24.80	...	.65			
...	...	46.00	14.40	...	...	44.75	17.99	...	...	90.75	32.39	...	.35		
...	...	891.00	475.95	1,683.00	1,048.05	2,574.00	1,524.0059	3	3	0
...	
...	...	24,655.00	10,755.08	12,083.00	13,002.95	36,738.00	23,758.0364	3	7	0
...	...	30.00	12.80	...	...	...	...	...	...	30.00	12.80	...	.42		
...	...	160.00	45.20	...	...	456.00	170.74	...	...	616.00	215.94	...	.35		
...	100.00	211.00	617.62	...	...	...	...	...	100.00	211.00	617.62	...	2.92		
...	622.75	771.00	...	...	622.75	771.00	...	1.23			
...	96.50	82.55	...	...	96.50	82.55	...	.85			
...	...	11,804.50	11,747.73	8,230.00	15,719.40	20,034.50	27,467.13	...	1.37	3	13	10
...	358.00	640.00	...	...	358.00	640.00	...	1.78			
...	...	40.00	81.70	...	...	...	...	...	...	40.00	81.70	...	2.04		
...	2.00	...	...	...	...	119.00	255.38	...	2.00	119.00	255.38	...	2.14		
...	328.00	72.25	...	...	328.00	72.25	...	.22			
...	...	324.00	217.62	...	...	1,510.00	923.45	...	...	1,834.00	1,141.07	...	.62		
...	...	45.00	12.00	...	...	108.50	92.45	...	...	153.50	104.45	...	.68		
...	...	55.00	15.36	...	...	135.90	68.48	...	...	190.90	83.84	...	.43		
...	249.00	143.00	...	...	249.00	143.00	...	.57			
...	...	62.00	32.75	...	...	272.00	182.85	...	...	334.00	215.60	...	.64		
...	93.25	24.30	...	...	93.25	24.30	...	.26			
...	20.00	24.00	...	...	20.00	24.00	...	1.20			
...	...	28.00	7.25	...	...	...	...	...	...	28.00	7.25	...	.25		
...	...	10.00	11.55	...	...	...	...	...	...	10.00	11.55	...	1.15		
...	...	334.00	152.80	...	...	485.00	257.80	...	...	819.00	410.60	...	.50		
...	50	35	...	...	50	35	...	...	
...	3,322.00	3,134.70	...	...	3,322.00	3,134.70	...	.94			
...	...	124.00	137.25	...	...	...	...	...	...	124.00	137.25	...	1.10		
...	106.00	84.31	...	...	106.00	84.31	...	.79			
...	26.00	5.50	...	...	26.00	5.50	...	.21			
...	29.75	8.00	...	...	29.75	8.00	...	.26			
...	...	106.00	97.65	...	...	...	...	...	...	106.00	97.65	...	.92		
...			
...	13.00	364.50	245.54	...	...	5.60	172.60	...	13.00	537.10	308.36	...	...	
...	...	2,493.00	(1,610.11 { pl. 44.30 }	...	...	735.00	927.35	...	...	3,228.00	2,581.76	...	.79		
...	21.00	8.75	...	...	21.00	8.75	...	.41			
...	73.00	6.00	...	...	73.00	6.00	...	.08			
...	cy. 345.35	...	...	152.50	420.25	...	...	152.50	765.60	...	...	
142.75	142.75	...	...	...	...	...
142.75	146.18	59,379.30	43,924.37	...	83.10	50,831.33	59,978.80	142.75	229.28	110,210.63	103,903.17	94				

TABLE II.—Return of

Donnybrook

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Donnybrook ...	2 ...	Perseverance ...	...	12	...	...	...	Tons.	Tons.	...
Do. ...	5 ...	Queen of the South ...	...	a. r. p.	...	...	...	...	...	...
Do. ...	M.A. 300 ...	... ..	(Wickham and Party) ...	11 3 16	...	tl	...	...	...	...
Do. ...	... ..	Sundry Claims ...	...	...	...	...	...	...	...	...
			Total ...	...	...	1	...	...	...	...

From Goldfields

MINING CENTRE.	NUMBER OF LEASE, CLAIM, OR AREA.	NAME OF LEASE, CLAIM, OR AREA.	REGISTERED NAME OF COMPANY.	Area in Acres.	PARTICULARS OF PLANT.					
					Milling.		Cyaniding.			
					Number Stamps.	Other Mills.	Leaching Vats.	Capacity of each.	Possible Monthly Output.	Filter Presses.
Northam	Sundry parcels treated at Notices of Purchase ...	Northam Milling and Mining Works	...	60	...	5	100	...	...
			Total ...	...	60	...	5	...	...	...

Ore Treated, etc.—continued.

Goldfield.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	...	4'00	13	...	...	...	...	...	...	4'00	13	03			
...	...	105'05	299'10	...	...	...	...	...	...	105'05	299'10	2'84	3	1	6
32'10	...	185'75	180'16	...	...	18'00	14'65	32'10	...	203'75	194'81	...			
32'10	...	294'80	479'39	...	...	18'00	14'65	32'10	...	312'80	494'04	1'58			

Generally.

TOTAL FOR YEAR 1899.				TOTAL PREVIOUS TO 1899.				TOTAL GOLD PRODUCTION.				Average per Ton treated.	Estimated Value of Gold per oz. 1899.		
Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.	Alluvial.	Dollied and Specimens	Ore treated.	Gold therefrom.				
ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	ozs.	Tons.	ozs.	ozs.	£	s.	d.
...	...	...	{ cy. 964'80 con. 269'10 }	...	...	...	...	...	...	...	1,233'90	...			
23'90	21'10	...	...	...	...	...	...	23'90	21'10	...	...	...
23'90	21'10	...	1,233'90	...	...	...	...	23'90	21'10	...	1,233'90	...			

ABSTRACT of Smeltings, Concentrates,

Goldfield.	District.	Mining Centre.	No. of Lease, Claim, or Area.	Name of Lease, Claim, or Area.	Registered Name of Company.	DETAILS.	
						Smeltings.	
						tons	ozs.
PILBARRA	Marble Bar	Warrawoona	483	Gauntlet			
EAST MURCHISON		Lawlers... Wilson's Creek	37, etc. 258		East Murchison United, Ltd.		
MURCHISON	Cue	Cuddingwarra	M.A. 16 595, etc.		Cuddingwarra Gold Mines, Ltd.		
	Do.	Cue	60, etc.		Cue Consolidated G.Ms., Ltd.		
		Do.	M.A. 5		Cue Gold Recovery Co., Ltd.		
		Do.	523, etc.		Gem of Cue, Limited	1,010'00	1,706'00
Do.	Nannine	Abbott's	247s, etc.		New Murchison King G.Ms.		
	Do.	Burnakura	238s	Alliance			
Do.	Day Dawn	Day Dawn	M.A. 6d		Day Dawn Public Battery		
		Do.	15d		Emperor G.Ms., Ltd.		
		Do.	1d, etc.		Great Fingal Consolidated, Ltd. (late Consolidated Murchison Gold Mines, Ltd.)		
		Do.	173d	Phoenix			
	Do.	Island	5d, etc.	Sundry Claims	Island Eureka G.M. Co., N.L.	5'00 30'50	1,133'27 1,429'18
Do.	Mount Magnet	Boogardie	264m	Eclipse Extended		79'42	458'35
		Do.	185m, etc.	Exchange leases			
		Do.	439m	Grosotto			
		Do.	463m	Hesperus Dawn		21'48	177'25
		Do.	189m, etc.	Jupiter leases		144'05	270'36
	Do.	Lennonville	57m	Welcome			
		Do.	103m	Wheel of Fortune North			
	Do.	Mt. Magnet	401m	Sundry Claims			
		Do.	314m, etc.	Homeward Bound			
		Do.	7m, etc.	Morning Star leases			
	Do.	Mt. Magnet East	406m	Sundry parcels treated at	Murchison New Chum G.Ms., Ltd.		
	Do.	Warrangeo	348m	Sampey's Hidden Secret Klondyke	Murchison New Chum Battery		
YALGOO		Carlaminda	434	Carlaminda	Woodley's G.Ms., Ltd.		
		Rothesay	14, etc.				
		Yalgoo	129, etc.		Emerald Reward G.M. Co., Ltd.		
		Do.		Sundry Claims		5'00	1,150
MT. MARGARET	Mt. Malcolm	Leonora	195c, etc.	Leonora Gold Blocks			
		Do.	190c, etc.		Sons of Gwalia, Ltd.		
		Do.	263c, etc.	Trump			
	Do.	Murrin Murrin	11c, etc.		Mt. Malcolm Prop. G.M. Co., Ltd.		
	Do.	Randwick	52c, etc.		Arrow Brown Hill G.M. Co., Ltd.		
Do.	Mt. Margaret	Mt. Morgan	321r		Westralia (Mt. Morgans) G.M. Co., Ltd.		
	Do.	Redcastle	868r	Redcastle			
NORTH COOLGARDIE	Menzies	Menzies	3034z	Africauder			
		Do.	2820z, etc.		Lady Sheuton G.M., Ltd.		
		Do.	4895z	Maranora			
		Do.	3024z, etc.		Menzies Consolidated G.Ms., Ltd.		
		Do.	2823z, etc.		Menzies Crusoe Gold Claims, Ltd.		
		Do.	2830z		Menzies Golden Age Mine, Ltd.		
		Do.	2824z, etc.		Menzies Gold Reefs Proprietary, Limited		
		Do.	2826z, etc.		Menzies, Limited		
		Do.	2832z, etc.		Menzies Mining and Exploration Corporation, Limited		
		Do.	3149z, etc.		Menzies United Mines, Limited		
		Do.	2836z		Queensland Menzies G.M. Co., N.L.		
		Do.	4889z	Union Jack			
		Do.		Sundry claims			
		Do.		Sundry parcels treated at	Menzies Gold Reefs Proprietary Battery		
Do.	Ularring	Mt. Higgins	395v	Mullwarrie North			
	Do.	Mulline	123v		Riverina G.M. Co., N.L.		
	Do.	Ularring	338v	Off Chance			
Do.	Yerilla	Linden	196r, etc.	Blair Athol leases...			
	Do.	Yerilla	191r	Golden Star			
BROAD ARROW		Barcoe	1052w	Blue Peter			
		Black Flag	43w, etc.		Black Flag Proprietary Co., Ltd.		
		Do.	40w, etc.		Gladiators, Ltd.	60'00	28'00
		Do.	47w, etc.		Lady Bountiful G.M. Co., N.L.		
		Do.	84w, etc.	Royal Standard leases			
		Do.	T.A. 11w		(S. C. Lang)		
		Broad Arrow	2w		New Austral Co., Ltd.		
		Paddington	53w, etc.		Paddington Consols, Ltd.		
				Sundry parcels treated at	Kalgoorlie Crushing and Cyanide Works		
					Carried forward		

† Retorted only, not smelted.

TABLE III.—*ABSTRACT of Smeltings, Concentrates,*

Goldfield.	District.	Mining Centre.	No. of Lease, Claim, or Area.	Name of Lease, Claim, or Area.	Registered Name of Company.	DETAILS.			
						Smeltings.			
						tons	ozs.		
NORTH-EAST COOLGARDIE	Kanowna	Kanowna	134x, etc.		Brought forward	...	...
			Do.	52x, etc.		Kanowna Carbine G.M. Co., N.L.	...	...
			Do.	153x		Robinson G.Ms., Ltd.	...	...
			Do.	12x, etc.		Waldon's Find G.M., Ltd.	...	...
			Do.			White Feather Main Reef G.M. Co., Ltd.	...	...
Do.	Bulong	Bulong	Cement Do.	from alluvial claims reported by owners at Nemesis Works outside District—	At Kalgoorlie Crushing and Cyanide Works	...	...
			Do.	do.	do.	At Seabrook Battery, Northam	...	...
EAST COOLGARDIE	Boulder	Boulder	38E, etc.		Queen Margaret South G.M. Co., N.L.	...	...
			Do.	24E, etc.		Associated G.Ms. of W.A., Ltd. Central and West Boulder G.Ms. (W.A.) Ltd.	29,869-00	74,319-00	
			Do.	351E		Golden Horseshoe Estates Co., Ltd.	2,431-00	3,107-33	
			Do.	873E		Great Boulder Main Reef, Ltd.	2,405-18	17,867-37	
			Do.	66E		Great Boulder Perseverance G.M. Co., Ltd.	...	...
			Do.	16E, etc.		Great Boulder Proprietary G.Ms. Ltd.	...	...
			Do.	410E, etc.		Hannans Oroya G.M. Co., W.A., Ltd.	404-55	1,886-00	
			Do.	31E		Ivanhoe Gold Corporation, Ltd.	...	...
			Do.	93E		Kalgoorlie Bank of England G.M. Co. Ltd.	...	...
			Do.	25E, etc.		Lake View Consols, Ltd.	10,153-00	162,181-97	
			Do.	103E		Lake View Extended G.Ms. W.A., Ltd.	...	...
			Do.	75E		Lake View South G.Ms., W.A., Ltd.	...	...
			Do.	35E		North Boulder G.M. Co., Ltd.	1,138-00	2,256-85	
			Do.	989E, etc.		Brown Hill Central G.Ms., Ltd.	102-75	1,040-25	
			Do.	558E	Golden Zone	Brown Hill Extended, Ltd.	400-00	3,243-07	
			Do.	1694E		Hannans Brown Hill G.M. Co., Ltd.	20-00	2-45	
			Do.	448E, etc.		Kalgurli Star Syndicate Ltd., (late African Gold Recovery Co. Ltd.)	...	...
COOLGARDIE	Coolgardie	Coolgardie	3769E	Hawks' View No. 2	Leviathan Filter Press and Cyanide Works (late Kalgoorlie Crushing and Cyanide Works)	...	...
			Do.	12E, etc.	Sundry parcels treated at	...	...
			Do.			Bendigo and Coolgardie Proprietary Co., N.L.	...	...
			Do.	126		Vale of Coolgardie G.Ms., Ltd.	...	...
			Do.	1552		Sundry tailings treated at	Mount Burgess Cyanide Works
			Do.	Burbanks	134, etc.	Burbanks Birthday Gift G.Ms., Ltd.	...	...
			Do.	Do.	2058	Queensland Treasure	...	...
			Do.	Do.	3716	Do.	...	...
			Do.	Do.	22	(Bayley's Consols G.M. Co., N.L.)	...	...
			Do.	Do.	133, etc.	Bayley's United G.Ms. Ltd.	...	...
			Do.	Do.	M.A. 36	Coolgardie Ore Reduction and Cyanide Works	...	...
			Do.	Do.	122, etc.	Cosgrove's Bayley's Reward South G.M. Co., N.L.	...	...
			Do.	Do.	3731	Daisy Bell	...	...
			Do.	Do.	20, etc.	Golden Bar G.M. Co., N.L.	...	...
			Do.	Do.	808, etc.	Lindsay's Consolidated Mines, Ltd.	...	...
			Do.	Do.	664, etc.	McPherson's Reward G.M. Co., N.L.	...	...
			Do.	Do.	1093, etc.	New Australasian G.Ms., Ltd.	...	...
Do.	Do.	84, etc.	New Clyde G.Ms., Ltd.	...	...		
Do.	Do.	3415, etc.	Sherlaw's G.M. Co., Ltd.	...	...		
Do.	Do.	33 "	Tindall's Coolgardie G.M. Co., N.L.	...	...		
Do.	Kunanalling	Kunanalling	3548	Flinders	...	...	
			Do.	Do.	Pride of the Jourdie	Wealth of Nations, Ltd.	...	...
			Do.	Do.	Mexico Golden	...	...
YILGARN	Parker's Range	Southern Cross	T.A. 9		Australian Mines Agency, Ltd.	...	...
			Do.	279		Central G.M. Co., N.L.	...	...
DUNDAS	Norseman	Norseman	13		Fraser's G.M., Co. N.L.	...	...
			Do.	729	Block 14 Proprietary	Desirable Proprietary G.Ms., W.A., Ltd.	...	...
			Do.	84, etc.	Gift	Kirkpatrick's Consolidated G.M. Co., N.L.	...	...
			Do.	706	Mararoa	...	...
			Do.	52, etc.	Sundry parcels treated at	Mt. Benson G.M. Co., N.L.	...	...
			Do.	704	Norseman South Bonanza	Norseman Crushing and Cyanide Works	...	...
			Do.	42, etc.		Norseman Gold Mines, Ltd.	...	...
			Do.	18, etc.		No. 1 North Norseman G.M. Co., N.L.	...	...
			Do.	731		Princess Royal G.M. Co., N.L.	...	...
			Do.	16, etc.		St. Agnes Gold Reefs, Ltd.	...	...
FROM GOLDFIELDS GENERALLY				Sundry parcels treated at	Northam Milling and Mining Works	...	...
					Total	...	...

TABLE IV.

Table showing the Average FINENESS and VALUE of Gold per oz. of each District, Goldfield, and the Colony for the Year 1899.

GOLDFIELD.		DISTRICT.	Mines supplying data.	Value of Gold per oz.	Average Fineness of Gold.	Yield from Mines supplying data.	Total Fine Gold Contents.	Value of Gold per oz.	Average Fineness of Gold.	Yield from Mines supplying data.	Total Fine Gold Contents.	Mines supplying data.	GOLDFIELD.	
				£ s. d.		ozs.		£ s. d.		ozs.				
1	Kimberley ... ..	...	...	...	...	...	...	3 14 5 ³ / ₄	8766	500·15	438·48	2	Kimberley	1
2	Pilbarra	Marble Bar ...	7	3 15 3 ¹ / ₂	8860	3,539·13	3,135·79	3 16 1 ¹ / ₄	8958	4,543·68	4,070·67	10	Pilbarra	2
	Do.	Nullagine ...	3	3 19 0 ³ / ₄	9306	1,004·55	934·88	3 14 2 ¹ / ₄	8732	1,035·16	903·99	3	West Pilbarra	3
3	West Pilbarra ... ..	...	...	...	...	...	...	...	...	...	...	...	Ashburton	4
4	Ashburton ... ..	...	...	...	...	...	...	...	...	...	...	...	Ashburton	4
5	Gascoyne ... ..	...	...	...	...	...	...	...	...	...	...	...	Gascoyne	5
6	Peak Hill ... ..	...	...	...	...	...	...	4 1 3 ³ / ₄	9571	31,727·75	30,366·07	2	Peak Hill	6
7	East Murchison ... ..	...	...	...	...	...	...	3 14 9	8797	29,740·14	26,162·50	8	East Murchison	7
8	Murchison	Cue	7	3 15 10 ³ / ₄	8933	10,933·46	8,963·38	3 14 10 ³ / ₄	8814	47,306·02	41,698·28	34	Murchison	8
	Do.	Nannine	6	3 12 0	8476	12,348·69	10,467·16	3 14 0 ¹ / ₄	8712	10,811·39	9,418·27	5	Yalgoo	9
	Do.	Day Dawn ...	8	3 14 0 ³ / ₄	8717	11,015·60	9,602·63	...	...	...	...	...	...	...
	Do.	Mt. Magnet ...	13	3 17 4 ¹ / ₂	9107	13,908·27	12,665·11	...	...	...	...	...	...	...
9	Yalgoo ... ..	...	...	...	...	...	...	3 14 6 ³ / ₄	8777	56,921·81	49,963·73	19	Mt. Margaret	10
10	Mt. Margaret	Mt. Malcolm ...	14	3 14 7	8780	40,287·94	35,376·67	...	...	...	...	...	...	...
	Do.	Mt. Margaret ...	5	3 14 6	8769	16,633·87	14,587·06	...	...	...	...	...	...	...
11	North Coolgardie	Menzies	16	3 10 8 ¹ / ₄	8322	54,873·43	45,665·46	3 12 4	8512	86,196·65	73,374·89	40	North Coolgardie	11
	Do.	Ularring	11	3 17 1 ¹ / ₂	9077	7,488·99	6,797·80	3 11 7 ¹ / ₄	8428	17,999·73	15,170·26	12	Broad Arrow	12
	Do.	Niagara	6	3 14 0 ³ / ₄	8717	18,800·96	16,390·34	...	...	...	...	...	...	...
	Do.	Yerilla	7	3 16 3 ³ / ₄	8982	5,033·27	4,521·29	...	...	...	...	...	...	...
12	Broad Arrow ... ..	...	...	...	...	...	...	3 12 4 ³ / ₄	8522	26,679·74	22,737·00	16	North-East Coolgardie	13
13	North-East Coolgardie	Kanowna	11	3 9 6 ¹ / ₄	8182	15,280·15	12,502·66	3 18 10	9278	799,551·20	741,863·61	23	East Coolgardie	14
	Do.	Bulong	3	3 16 5	8994	11,192·30	10,066·78	...	...	...	...	...	...	...
	Do.	Kurnalpi	2	3 8 8	8083	207·29	167·56	...	...	...	...	...	...	...
14	East Coolgardie ... ..	...	...	...	...	...	...	3 14 3	8741	95,227·21	83,243·10	32	Coolgardie	15
15	Coolgardie	Coolgardie ...	23	3 14 4	8750	81,419·99	71,245·09	3 13 5 ¹ / ₄	8643	15,881·63	13,727·27	6	Yilgarn	16
	Do.	Kunanalling ...	9	3 13 10	8689	13,807·22	11,998·01	3 12 8 ¹ / ₂	8558	36,901·55	31,581·55	8	Dundas	17
16	Yilgarn ... ..	...	...	...	...	...	...	3 1 6	7239	299·10	216·51	1	Donnybrook	18
17	Dundas ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Donnybrook ... ..	...	...	...	...	...	...	3 17 1 ¹ / ₂	9077	1,261,322·91	1,144,936·18	221	...	...

Average value per ounce, 1899, of Western Australian gold, £3 17s. 1¹/₂d.

NOTE.—Taking the average fineness of Western Australian Gold as 9077, the output of 1,543,877 ounces, as shown by the Export and Mint Returns, would give the output of the Colony as 1,492,147 ounces fine; and the amount of 1,600,763 ounces, reported to the Mines Department, as 1,453,012 ounces fine.

TABLE V.

Return of Gold received at the Perth Branch of the ROYAL MINT from May to 31st December, 1899, showing Quantity obtained from the respective Goldfields and other Countries.

Month.	Kimberley.	Pilbarra.	West Pilbarra.	Ashburton.	Gascoyne.	Peak Hill.	East Murchison.	Murchison.	Yalgoo.	Mt. Margaret.	North Coolgardie.	Broad Arrow.	North-East Coolgardie.
1899.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.
May ... ..	...	...	...	...	...	...	532.49	...	...	...	...	...	15.68
June ... ..	...	...	...	87.13	37.36	2,562.50	277.08	...	53.83	...	154.84	1,375.25	2,965.30
July	49.68	31.44	...	22.80	...	2,643.14	438.13	4,531.86	703.77	2,313.26	9,520.65	815.85	3,194.89
August	33.09	63.09	...	76.50	...	2,509.36	567.19	6,557.54	1,250.42	999.46	9,380.67	2,562.05	4,372.36
September ... ..	...	...	...	65.29	34.68	1,398.49	354.43	1,830.19	1,083.65	2,856.27	9,102.76	1,082.80	1,851.80
October	159.59	115.96	...	13.91	13.61	3,002.15	291.54	2,872.84	1,330.06	4,012.99	7,208.18	497.76	947.78
November	23.51	36.08	...	...	...	2,110.30	442.40	4,518.53	79.44	3,081.77	3,680.44	992.98	1,045.99
December	42.58	283.23	...	16.17	...	2,048.06	854.81	4,364.68	688.88	3,647.79	5,731.81	1,161.13	2,322.78
Total	308.45	* 529.80	...	281.80	85.65	16,274.00	3,758.07	24,675.64	5,190.05	16,911.54	44,779.38	8,503.50	16,700.90

Month.	East Coolgardie.	Coolgardie.	Yilgarn.	Dundas.	Donnybrook.	Goldfields generally.	Totals.				Grand Total.			
							Western Australia.		Other Countries.		Quantity.	Value.	Quantity.	Value.
							Quantity.	Actual Value.	Quantity.	Actual Value.				
1899.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	£ s. d.	ozs.	£ s. d.	ozs.	£ s. d.		
May	2,568.08	1,786.91	...	...	...	44.61	4,947.77	18,363 16 9	...	...	4,947.77	18,363 16 9
June	2,719.83	873.65	297.64	...	52.22	476.31	11,932.94	44,910 2 3	40.69	114 0 2	11,973.63	45,024 2 5		
July	6,317.35	6,756.30	1,016.94	...	...	42.72	38,398.78	139,173 19 6	48.85	186 11 0	38,447.63	139,360 10 6
August	5,537.53	6,553.29	1,730.59	...	116.09	...	42,321.55	154,071 8 6	...	...	42,321.55	154,071 8 6
September	5,166.98	3,005.24	1,064.61	...	27.86	71.28	28,996.33	105,626 13 0	1.26	4 15 9	28,997.59	105,631 8 9		
October	2,247.30	2,483.45	1,488.30	...	...	18.35	26,703.77	97,280 4 1	12.66	31 11 4	26,716.43	97,311 15 5
November	2,311.36	3,179.18	2,220.81	317.99	...	...	24,040.78	87,799 19 4	...	...	24,040.78	87,799 19 4
December	6,182.90	2,973.22	1,251.81	155.64	...	238.80	31,964.32	115,320 8 1	...	...	31,964.32	115,320 8 1
Total	33,051.33	27,611.24	9,070.70	473.63	196.17	904.39	209,306.24	762,546 11 6	103.46	336 18 3	209,409.70	762,883 9 9		

TABLE VI.

Return of Gold, the produce of the Colony, entered for EXPORT from 1st January, 1886, to 31st December, 1899, showing Quantity obtained from the respective Goldfields; also amount received at the Perth Branch of the Royal Mint.

(Abbreviated from the Treasury Return.)

Year.	Kimberley.	Pilbarra.	¹ / ₄ West Pilbarra.	Ashburton.	² / ₄ Gascoyne.	³ / ₄ Peak Hill.	East Murchison.	Murchison.	⁴ / ₄ Yalgoo.	⁵ / ₄ Mt. Margaret.	⁶ / ₄ North Coolgardie.	⁷ / ₄ Broad Arrow.
1886	302-00	...	...	...	...	...	...	...	...	...	...	...
1887	4,873-00	...	...	...	...	...	...	...	...	...	...	...
1888	3,493-00	...	...	...	...	...	...	...	...	...	...	...
1889	2,464-00	11,170-00	...	...	...	...	...	...	...	...	...	...
1890	4,474-00	16,055-31	...	...	...	...	...	...	...	...	...	...
1891	2,699-62	11,875-00	...	898-72	...	...	...	2,064-43	...	...	...	...
1892	1,088-85	12,892-80	...	70	...	...	...	24,356-47	...	...	...	...
1893	1,621-70	11,698-50	...	467-74	...	...	...	21,210-45	...	...	...	...
1894	588-64	16,254-50	...	285-27	...	...	...	52,946-32	...	...	...	...
1895	876-68	19,522-40	...	540-76	...	...	...	65,477-26	...	...	...	...
1896	891-86	11,810-11	...	669-17	...	...	...	71,282-69	...	...	17,160-51	...
1897	554-07	11,955-87	...	1,038-18	...	5,110-00	9,453-81	82,891-85	2,034-23	8,685-73	74,556-12	4,150-27
1898	287-88	11,662-56	2,028-27	449-88	...	13,736-85	39,563-35	93,667-16	3,756-38	43,266-69	70,625-32	24,631-44
1899	814-36	19,996-40	1,955-51	239-50	333-07	15,721-34	37,811-59	68,842-39	5,639-53	64,905-53	60,909-38	36,020-79
Total	25,029-66	154,893-45	3,983-78	4,529-92	333-07	34,568-19	86,828-75	482,739-02	11,480-14	116,857-95	223,251-33	64,811-50

Year.	⁵ / ₄ North-East Coolgardie.	⁶ / ₄ East Coolgardie.	⁷ / ₄ Coolgardie.	Yilgarn.	⁸ / ₄ Dundas.	⁹ / ₄ Donnybrook.	TOTALS.		
							Quantity.	Value. \$	
1886	...	...	...	...	...	...	302-00	£ 1,147 12 0
1887	...	...	...	...	...	...	4,873-00	18,517 8 0
1888	...	...	...	...	...	...	3,493-00	13,273 8 0
1889	...	...	...	1,858-50	...	...	15,492-50	58,871 10 0
1890	...	...	...	2,277-00	...	...	22,806-31	86,663 19 7
1891	...	...	...	12,833-30	...	...	30,311-07	115,182 1 4
1892	...	...	...	21,209-49	...	...	59,548-31	226,283 11 7
1893	...	...	...	75,744-55	147-97	...	110,890-91	421,385 9 2
1894	...	...	105,329-82	31,498-38	228-38	...	207,131-31	787,098 19 6
1895	...	...	125,105-94	19,747-75	241-90	...	231,512-69	879,748 4 5
1896	4,113-18	85,287-06	69,135-19	16,565-25	4,350-31	...	281,265-33	1,068,808 5 1	
1897	32,905-82	300,037-24	104,306-37	17,994-48	19,310-81	...	674,993-85	2,564,976 12 7	
1898	125,240-49	450,312-27	127,227-06	11,696-18	32,031-82	...	1,050,183-60	3,990,697 13 7	
1899	64,470-28	890,566-37	113,558-84	7,734-34	44,691-32	309-94	1,434,570-48	5,451,367 16 6	
Total	226,729-77	1,726,202-94	644,663-22	219,159-22	101,002-51	309-94	4,127,374-36	15,684,022 11 4	
Received at the Royal Mint during 1899							...	209,306-24	795,363 14 3
Grand Total							...	4,336,680-60	16,479,386 5 7

§ Valuation at £3 16s. per oz. ¹/₄ Prior to 1st May, 1898, included with Pilbarra. ²/₄ Prior to 1st March, 1899, included with Ashburton. ³/₄ From 1st August, 1897. ⁴/₄ Prior to 1st April, 1897, included with Murchison.
⁵/₄ Prior to 1st May, 1896, included with Coolgardie. ⁶/₄ From 1st September, 1897. ⁷/₄ Declared 5th April, 1894, to which date included with Yilgarn. ⁸/₄ Prior to 1893 included with Yilgarn.
⁹/₄ From 1st March, 1899.

TABLE VII.

Return showing Quantity of Gold, the produce of the Colony, entered Monthly for Export from 1st January, 1894, to 31st December, 1899; also amount received at the Perth Branch of the Royal Mint.

Month.	1894.	1895.	1896.	1897.	1898.	1899.		
						Customs.	Royal Mint.	Total.
	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.	ozs.
JANUARY	35,367·93	18,686·69	16,350·03	40,386·71	93,395·44	110,090·04	...	110,090·04
FEBRUARY		15,509·15	17,922·29	32,526·00	53,739·18	100,565·09	...	100,565·09
MARCH		19,619·50	11,084·86	40,296·37	75,380·04	106,098·64	...	106,098·64
1st January to 31st March	35,367·93	53,815·34	45,357·18	113,209·08	222,514·66	316,753·77	...	316,753·77
APRIL	40,450·01	19,128·18	16,772·63	39,660·37	84,082·63	116,466·37	...	116,466·37
MAY		19,208·19	22,266·06	59,111·76	83,346·94	109,676·32	4,947·77	114,624·09
JUNE		16,128·64	27,933·70	53,348·74	80,749·64	149,979·18	11,932·94	161,912·12
1st January to 30th June	75,817·94	108,280·35	112,329·57	265,329·95	470,693·87	692,875·64	16,880·71	709,756·35
JULY	62,846·33	20,195·44	16,258·44	48,811·24	76,980·77	99,533·16	38,398·78	137,931·94
AUGUST		23,668·39	29,516·99	65,129·17	89,395·47	103,076·30	42,321·55	145,397·85
SEPTEMBER		18,244·87	35,301·33	71,776·56	89,179·21	138,078·89	28,996·33	167,075·22
1st January to 30th September	138,664·27	170,389·05	193,406·33	451,046·92	726,249·32	1,033,563·99	126,597·37	1,160,161·36
OCTOBER	17,453·34	27,725·66	27,331·13	75,690·18	116,824·61	178,483·14	26,703·77	205,186·91
NOVEMBER	23,628·36	15,507·86	30,874·38	75,845·03	111,793·12	115,826·81	24,040·78	139,867·59
DECEMBER	27,385·34	17,890·12	29,653·49	72,411·72	95,316·55	106,696·54	31,964·32	138,660·86
Total	207,131·31	231,512·69	281,265·33	674,993·85	1,050,183·60	1,434,570·48	209,306·24	1,643,876·72

TABLE VIII.

MINERALS OTHER THAN GOLD.

Return of Ore and Minerals, other than Gold, showing the Quantity produced, and the Value thereof, as reported to the Mines Department, from the respective Mining Districts during 1899 and previous years.

Year.	Month.	COPPER.								IRON.						LEAD.					
		Mt. Margaret.		Northampton.		Roebourne.		Total.		Roebourne.		From Colony generally.		Total.		Northampton.					
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.				
Previous to 1899	...	tons. ...	£ ...	tons. ...	£ ...	7,018·00	55,270	7,018·00	55,270	100·00	£ 300	...	£ ...	100·00	£ 300	...	£ ...				
1899	January	...	...	...	...	830·00	9,966	830·00	9,966	...	...	...	...	...	...	...	...
Do.	February	...	...	...	...												
Do.	March	...	...	...	...	295·00	5,256	295·00	5,256	...	...	...	...	...	...	...	...
Do.	April	...	...	...	...	457·00	7,073	457·00	7,073	...	...	...	...	...	...	...	...
Do.	May	...	...	...	...	141·00	990	141·00	990	...	...	...	...	...	...	...	...
Do.	June	...	...	...	...	113·00	1,275	113·00	1,275	...	...	...	...	...	...	...	...
Do.	July	...	...	...	...	98·00	550	98·00	550	...	...	...	...	...	...	...	...
Do.	August	...	...	...	...	120·00	820	120·00	820	...	...	...	...	...	...	...	...
Do.	September	...	...	...	...	173·00	1,074	173·00	1,074	...	...	...	...	...	...	...	...
Do.	October	...	...	...	...	149·00	965	149·00	965	...	...	...	...	...	...	...	...
Do.	November	273·00	4,338	136·00	2,122	179·00	1,509	588·00	7,969	12,852·00	8,939	12,852·00	8,939	82·75	912
Do.	December	273·00	4,338	136·00	2,122	9,573·00	84,748	9,982·00	91,208	100·00	300	12,852·00	8,939	12,952·00	9,239	82·75	912
	Total	273·00	4,338	136·00	2,122	9,573·00	84,748	9,982·00	91,208	100·00	300	12,852·00	8,939	12,952·00	9,239	82·75	912

Year.	Month.	TIN.						COAL.		LIMESTONE.			
		Greenbushes.		Marble Bar.		Total.		Collie.		From Colony generally.			
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.		
Previous to 1899	...	tons. 1,590·33	£ 66,108	tons. 75·45	£ 4,419	tons. 1,665·78	£ 70,527	tons. 3,508·00	£ 1,761	...	£ ...		
1899	January	...	...	...	...	...	...	763·00	375	...	...
Do.	February	...	...	...	...	...	...	1,792·00	881	...	...
Do.	March	...	...	...	...	...	...	3,242·00	1,599	...	...
Do.	April	...	...	...	...	...	...	3,692·00	1,787	...	...
Do.	May	...	...	...	...	...	...	4,577·00	2,239	...	...
Do.	June	...	...	...	...	...	...	5,088·00	2,487	...	...
Do.	July	...	...	...	...	...	...	6,064·00	2,936	...	...
Do.	August	...	...	5·00	350	5·00	350	7,136·00	3,560	...	...
Do.	September	...	...	140·77	11,177	19·40	1,250	160·17	12,427	6,678·00	3,114
Do.	October	...	...	82·12	6,506	7·50	424	89·62	6,930	3,999·00	1,825
Do.	November	...	...	31·36	2,356	15·55	1,024	46·91	3,380	7,747·00	3,464
Do.	December	23·07	1,619	10·05	564	33·12	2,183	3,558·00	1,684	17,593·00	2,838
	Total	1,867·65	87,766	132·95	8,031	2,000·60	95,797	57,844·00	27,712	17,593·00	2,838

NOTE.—As the collection of these Statistics commenced during 1899, the Mineral production from the different Mining Districts can only be gauged by the Customs Records.

TABLE IX.

MINERALS OTHER THAN GOLD.

Return showing the Quantity and Value of Ore and Minerals, as reported to the Mines Department, produced during 1899 and previous Years.

Year.	Month.	Locality.	Official Number of Lease or Claim.	Registered Name of Holder or Mine.	Average Number of Men employed.		PRODUCTION.				Remarks.
					Above Ground.	Under Ground.	Details.		Totals.		
							Quantity.	Value.	Quantity.	Value.	
				tons	£	tons	£				
COPPER.											
MT. MARGARET MINING DISTRICT.											
1899	...	Murrin Murrin	6 C.	Butte City Copper Mine	10	5	251'00	4,106	...	...	Assay, 25½ per cent.
Do.	...	Do.	10 C.	Mt. Malcolm Copper Mine	6	...	22'00	232	...	...	" 16½ "
							Total	...	273'00	4,338	
NORTHAMPTON MINING DISTRICT.											
1899	...	Arrino	5	Wheal Dodd Copper Mine	...	...	10'00	80	...	...	Assay, 12½ per cent.
Do.	...	Geraldine	10, 11	Geraldine Copper Mines...	...	...	98'00	1,715	...	...	Assay, 25 per cent. § By-product silver, 490ozs.; value, £55 2s. 6d.
Do.	...	Yandanooka	3, 4	Arrino Copper Mines	...	...	25'00	300	...	...	Assay, 25 per cent.
Do.	...	Do.	7	Lady Bertha Copper Mine	...	...	3'00	27	...	...	" 15 "
							Total	...	136'00	2,122	
ROEBOURNE MINING DISTRICT.											
Previous to 1899	...	Croydon	26	Croydon Copper Mine	...	...	...	...	15'00	245	Assay, 24 per cent.
1899	March	Do.	...	Do.	1	1	25'00	350	...	...	" 20 "
							Total	...	40'00	595	

Return showing the Quantity and Value of Ore and Minerals, as reported to the Mines Department, produced during 1899 and previous Years—continued.

Year.	Month.	Locality.	Official Number of Lease or Claim.	Registered Name of Holder or Mine.	Average Number of Men employed.		PRODUCTION.				Remarks.
					Above Ground.	Under Ground.	Details.		Totals.		
							Quantity.	Value.	Quantity.	Value.	
				tons.	£	tons.	£				
COPPER—continued.											
ROEBOURNE MINING DISTRICT—continued.											
1899	April	Croydon	28	Evelyn Copper Mine	2	...	2'00	35	...	...	Assay, 25 per cent.
Do.	May	Do.	...	Do.	2	...	5'00	118	...	...	" 30 "
Do.	June	Do.	31	Do.	2	...	7'00	160	...	...	" 30 "
Do.	July	Do.	...	Do.	4	...	20'00	100	...	...	" 7 "
Do.	August	Do.	...	Do.	4	...	10'00	50	...	...	" 7 "
Do.	September	Do.	...	Do.	2	2	20'00	100	...	...	" 7 "
Do.	October	Do.	...	Do.	1	2	15'00	75	...	...	" 7 "
Do.	November	Do.	...	Do.	3	3	25'00	125	...	...	" 7 "
Do.	December	Do.	...	Do.	4	6	30'00	600	...	...	" 25 "
									134'00	1,363	
Total									134'00	1,363	
Previous to 1899	...	Egina	3	Egina Copper Mine	...	...	...	...	260'00	3,900	Assay, 25 per cent.
1899	June	Do.	...	Do.	3	2	7'00	105	...	...	" 20 "
Do.	July	Do.	...	Do.	4	...	24'00	72	...	...	" 5 "
Do.	September	Do.	...	Do.	2	4	12'00	180	...	...	" 20 "
Do.	October	Do.	...	Do.	2	5	14'00	210	...	...	" 20 "
Do.	November	Do.	...	Do.	2	5	11'00	121	...	...	" 16 "
Do.	December	Do.	...	Do.	2	2	30'00	150	...	...	" 6½ "
Do.	...	Do.	...	Do.	2	2	22'00	330	...	...	" 20 "
Do.	...	Do.	...	Do.	2	2	30'00	150	...	...	" 7 "
Do.	...	Do.	...	Do.	3	4	33'00	330	...	...	" 17½ "
Do.	...	Do.	...	Do.	3	4	25'00	75	...	...	" 5 "
									208'00	1,723	
Total									468'00	5,623	
Previous to 1899	...	Six miles from Roebourne	14	Carlow Castle Copper Mine	...	...	...	...	85'00	1,190	Assay, 21½ per cent.
1899	March	Do.	...	Do.	2	2	5'00	81	...	...	" 25 "
Do.	April	Do.	...	Do.	2	6	8'00	160	...	...	" 28½ "
Do.	May	Do.	...	Do.	4	8	25'00	400	...	...	" 23 "
Do.	June	Do.	...	Do.	2	2	10'00	160	...	...	" 23 "
									48'00	801	
Total									133'00	1,991	

1899	May	Whim Creek	5	Balla Balla Copper Mine	4	4	{ 42'00	630	...	...	Assay, 20 per cent.
Do.	June	Do.	...	Do. do.	3	2	{ 65'00	325	...	...	" 7 "
Do.	July	Do.	...	Do. do.	3	...	{ 13'00	130	...	...	" 15 "
Do.	September	Do.	...	Do. do.	2	2	{ 27'00	81	...	...	" 5 "
Do.	October	Do.	...	Do. do.	2	...	{ 15'00	225	...	...	" 20 "
Do.	November	Do.	...	Do. do.	16	4	{ 2'00	28	...	...	" 19 "
Do.	December	Do.	...	Do. do.	18	11	{ 11'00	47	...	...	" 6 "
							{ 6'00	90	...	...	" 20 "
							{ 22'00	88	...	...	" 5½ "
							{ 72'00	360	...	...	" 7 "
							{ 10'00	120	...	...	" 18 "
							{ 71'00	284	...	...	" 6 "
								356'00	2,408		
							Total	...	356'00	2,408	
1899	June	Whim Creek	12	Mons Cupri	6	6	{ 14'00	210	...	...	Assay, 20 per cent.
Do.	July	Do.	...	Do. do.	8	4	{ 39'00	72	...	...	" 4 "
Do.	August	Do.	...	Do. do.	13	1	{ 22'00	330	...	...	" 20 "
Do.	September	Do.	...	Do. do.	12	4	{ 44'00	440	...	...	" 16 "
Do.	October	Do.	...	Do. do.	4	11	{ 6'00	90	...	...	" 20 "
							{ 82'00	410	...	...	" 6 "
							{ 7'00	105	...	...	" 20 "
							{ 66'00	330	...	...	" 6 "
							{ 11'00	160	...	...	" 20 "
							{ 78'00	390	...	...	" 6½ "
								369'00	2,537		
							Total	...	369'00	2,537	
Previous to 1899	...	Whim Creek	...	F. W. Prell & Co. (freehold of 100 acres)	...	...	...	...	6,638'00	49,785	Assay, 15 per cent.
1899	March	Do.	...	Do. do.	25	10	{ 615'00	8,610	...	...	" 28 "
Do.	April	Do.	...	Do. do.	\$31	14	{ 185'00	925	...	...	" 10 "
Do.	May	Do.	...	Do. do.	\$19	14	{ 219'00	4,599	...	...	" 30 "
							{ 66'00	462	...	...	" 10 "
							{ 240'00	5,040	...	...	" 30 "
							{ 80'00	560	...	...	" 10 "
								1,405'00	20,196		
							Total	...	8,043'00	69,981	
Previous to 1899	...	Whim Creek	10	Rushall's Lease	...	...	...	...	20'00	150	Assay, 15 per cent.
							Total	...	20'00	150	
1899	December	Whim Creek	33	Stranger Copper Mine	1	2	{ 10'00	100	...	...	Assay, 25 per cent.
								10'00	100		
							Total	...	10'00	100	

§ Also 15 teamsters.

Return showing the Quantity and Value of Ore and Minerals, as reported to the Mines Department, produced during 1899 and previous Years—continued.

Year.	Month.	Locality.	Official Number of Lease or Claim.	Registered Name of Holder or Miné.	Average Number of Men employed.		PRODUCTION.				Remarks.
					Above Ground.	Under Ground.	Details.		Totals.		
							Quantity.	Value.	Quantity.	Value.	
				tons	£	tons	£				
IRON.											
ROEBOURNE MINING DISTRICT.											
Previous to 1899	...	Whim Creek	17, 18, 21	Whim Well Copper Mines (Ironstone)	...	...	...	...	100.00	300	
							Total	...	100.00	300	
§ FROM COLONY GENERALLY.											
1899	...	Clackline	...	...	...	...	1,540.00				
Do.	...	Coates' Paddock	...	...	...	...	4,712.00				
Do.	...	Greenbushes	...	...	...	...	2,000.00				
Do.	...	Werribee	...	...	...	...	4,600.00				
							Total	...	12,852.00	8,939	
§ Ore flux received by the W.A. Smelting Co., Ltd., Fremantle.											
LEAD.											
NORTHAMPTON MINING DISTRICT.											
1899	...	Northampton	54, etc.	Lady Maud Lead Mines	...	...	44.50	595			
Do.	...	Victoria	51	Alma Lead Mine	...	...	19.00	212			
Do.	...	From District generally	...	...	...	...	19.25	105	82.75	912	Assay, 66 per cent.
							Total	...	82.75	912	
TIN.											
GREENBUSHES MINING DISTRICT.											
Previous to 1899	...	Greenbushes	35	Edwards, M., and others	...	...	100.00	5,000			
Do.	...	Do.	127 C.	Portwood and another	...	...	43.00	1,505			
Do.	...	Do.	130 C., 183 C.	Robinson Bros.	...	...	60.00	2,100			
Do.	...	Do.	179 C.	Williams, R., and others	...	...	90.00	5,000			
Do.	...	Do.	318 C.	Sinclair, T., sen.	...	...	40.00	1,600			
Do.	...	Do.	...	Unreported by owners	...	...	1,257.33	\$50,903	1,590.33	66,108	§ Estimated.

1899	Up to Sept.	Do.	21	Goodall, J., and others	1	1	10	12			
Do.	Do.	Do.	35	Edwards, M., and others	4	6	20.00	1,500			
Do.	Do.	Do.	58	Poynting and others	2	3	1.00	70			
Do.	Do.	Do.	73	Dilworth, J.	6	4	15.00	1,237			
Do.	Do.	Do.	76, 394 C.	McKay, J.	3	...	1.90	142			
Do.	Do.	Do.	105	Greenbushes Tinfields, Ltd.	6	10	1.00	120			
Do.	Do.	Do.	127 C.	Portwood and another	...	2	10.00	750			
Do.	Do.	Do.	130 C., 183 C.	Robinson Bros.	...	3	5.90	414			
Do.	Do.	Do.	173 C.	McNess, C.	4	2	10.00	595			
Do.	Do.	Do.	178 C.	Eddy, Stephen	1	...	3.00	300			
Do.	Do.	Do.	179 C.	Hillyer, W.	1	1	2.85	238			
Do.	Do.	Do.	184 C.	Crain, A. W. H.	1	...	.75	64			
Do.	Do.	Do.	189, 235 C.	Portwood, J., and others	...	3	8.00	580			
Do.	Do.	Do.	190 C.	Nelson, J., and others	3	...	1.75	140			
Do.	Do.	Do.	259 C.	French, W., and another	2	...	.10	7			
Do.	Do.	Do.	266 C.	Greenbushes Miners, Ltd.	2	4	.40	70			
Do.	Do.	Do.	272 C.	Ericksson, C. O., and another	1	1	.10	8			
Do.	Do.	Do.	286 C.	May, J., and others	5	5	5.90	450			
Do.	Do.	Do.	289 C.	Keyser, H., and another	5	...	3.90	320			
Do.	Do.	Do.	290 C.	Thorley, E.	3	...	1.20	98			
Do.	Do.	Do.	301 C.	Neville, R., and others	...	5	.50	38			
Do.	Do.	Do.	306 C.	Smart and others	...	...	.25	18			
Do.	Do.	Do.	312 C., etc.	Love, W., and another	14	...	4.00	320			
Do.	Do.	Do.	318 C.	Sinclair, T., sen.	8	...	12.00	1,260			
Do.	Do.	Do.	337 C.	Tozer, E. T., and others	2	...	.20	7			
Do.	Do.	Do.	366 C.	Brookes, J., and others	2	2	.90	\$ 65	...	...	§ Estimated.
Do.	Do.	Do.	399 C.	Millar, B. G. D., and another	2	3	1.30	\$ 100	...	...	§ Estimated.
Do.	Do.	Do.	409 C.	Crain, A. W. H., and another	2	...	2.00	170			
Do.	Do.	Do.	430 C.	Peter, V., and another	...	2	1.00	70			
Do.	Do.	Do.	470 C.	Lee, H., and another	3	...	.01	1			
Do.	Do.	Do.	481 C.	King, H.	2	...	1.30	\$ 100	...	...	§ Estimated.
Do.	Do.	Do.	489 C.	Parish, J. H., and another	2	...	1.75	\$ 140	...	...	§ Estimated.
Do.	Do.	Do.	...	Unreported by owners	...	...	22.71	\$ 1,773	...	...	§ Estimated.
				Men employed at other mines	65	29					
									140.77	11,177	
Do.	October	Do.	35	Edwards, M., and others	6	...	2.25	180			
Do.	Do.	Do.	48	Gale, A., and others	5	...	1.00	90			
Do.	Do.	Do.	56	Woodward, T. and P.	5	2	.45	29			
Do.	Do.	Do.	58	Poynting, J. H., and others	3	...	.20	12			
Do.	Do.	Do.	127 C.	Portwood and another	...	2	.90	56			
Do.	Do.	Do.	130 C., 183 C.	Robinson Bros.	3	1	1.00	60			
Do.	Do.	Do.	168 C.	Nuttall, J.	4	...	2.50	200			
Do.	Do.	Do.	178 C.	Eddy, Stephen	2	...	.15	14			
Do.	Do.	Do.	179 C.	Hillyer, W.	2	2	.65	58			
Do.	Do.	Do.	254 C.	Dalley, C.	1	...	.10	8			
Do.	Do.	Do.	267 C.	Mahoney and another	2	...	.40	32			
Do.	Do.	Do.	286 C.	Bonanza Tin Mining Syndicate	3	5	1.00	84			
Do.	Do.	Do.	289 C.	Keyser, H. G.	5	...	.85	71			
Do.	Do.	Do.	(Unreg.)	Keyser, H. G., and another	4	...	.50	42			
Do.	Do.	Do.	290 C.	Thorley, E.	2	...	.40	32			

Return showing the Quantity and Value of Ore and Minerals, as reported to the Mines Department, produced during 1899 and previous Years—continued.

Year.	Month.	Locality.	Official Number of Lease or Claim.	Registered Name of Holder or Mine.	Average Number of Men employed.		PRODUCTION.				Remarks.
					Above Ground.	Under Ground.	Details.		Totals.		
							Quantity.	Value.	Quantity.	Value.	
						tons.	£	tons.	£		
TIN—continued.											
GREENBUSHES MINING DISTRICT—continued.											
1899	October	Greenbushes	318 C.	Sinclair, T., and others	8	...	7.00	630			
Do.	Do.	Do.	351 C.	Schmidt and another	2	...	.20	20			
Do.	Do.	Do.	361 C.	McKibbin, A.	1	...	1.20	72			
Do.	Do.	Do.	367 C.	Fremantle Tin Mining Syndicate	4	2	.60	48			
Do.	Do.	Do.	368 C.	Callander, R., and another	...	2	.60	55			
Do.	Do.	Do.	393 C.	Doyle, T., and another	4	...	2.95	255			
Do.	Do.	Do.	447 C.	McPhee, C., and another	3	...	.30	20			
Do.	Do.	Do.	464 C.	Williams, G. H.	2	4	.85	80			
Do.	Do.	Do.	481 C.	King, H.	2	...	.35	21			
Do.	Do.	Do.	505 C.	Peter, V., and others	11	...	4.00	300			
Do.	Do.	Do.	517 C.	Bride Tin Mining and Sluicing Co.	5	4	2.00	160			
Do.	Do.	Do.	524 C.	Johnson and another	2	...	.45	29			
Do.	Do.	Do.	...	Unreported by owners	...	...	49.27	§ 3,848	...	...	§ Estimated.
				Men employed at other mines	78	55			82.12	6,506	
Do.	November	Do.	17, 24	New Zealand Syndicate	8	...	.80	50			
Do.	Do.	Do.	35	Edwards, M., and others	4	...	1.25	100			
Do.	Do.	Do.	93	Queen Victoria Tin Mining Syndicate	3	...	.30	15			
Do.	Do.	Do.	130C., 183C.	Robinson Bros.	3	...	.70	40			
Do.	Do.	Do.	164 C.	Nuttall, J.	...	6	2.50	200			
Do.	Do.	Do.	172 C.	Millar, B. G. D., and another	2	4	1.10	85			
Do.	Do.	Do.	178 C.	Eddy, Stephen	1	3	.68	40			
Do.	Do.	Do.	179 C.	Hillyer, W.	2	2	.50	40			
Do.	Do.	Do.	190 C.	Nelson, J., and others	1	1	.60	42			
Do.	Do.	Do.	267 C.	Mahoney and another	2	...	.25	17			
Do.	Do.	Do.	286 C.	May, J., and others	4	4	.90	63			
Do.	Do.	Do.	289 C.	Keyser, H., and another	1	...	.05	6			
Do.	Do.	Do.	(Unreg.)	Keyser, H., and another	7	...	1.05	65			
Do.	Do.	Do.	309 C.	Teare, J. C.	4	2	.50	35			
Do.	Do.	Do.	318 C.	Spring Gully Tin Syndicate	7	...	1.50	105			
Do.	Do.	Do.	337 C.	Tozer, E. T., and others	2	2	.20	10			
Do.	Do.	Do.	367 C.	Andre and Martin	1	1	1.00	67			
Do.	Do.	Do.	438 C.	Exelby, T., and others	...	2	.70	45			
Do.	Do.	Do.	465 C.	Bowden, M., and another	2	...	.15	11			
Do.	Do.	Do.	505 C.	Peter, V., and others	11	...	.40	36			
Do.	Do.	Do.	517 C.	Bride Tin Mining and Sluicing Co.	6	2	.75	75			
Do.	Do.	Do.	...	Unreported by owners	...	...	15.48	§ 1,209	...	...	§ Estimated.
				Men employed at other mines	48	44			31.36	2,356	

Return showing the Quantity and Value of Ore and Minerals, as reported to the Mines Department, produced during 1899 and previous Years—continued.

Year.	Month.	Locality.	Official Number of Lease or Claim.	Registered Name of Holder or Mine.	Average Number of Men employed.		PRODUCTION.				Remarks.
					Above Ground.	Under Ground.	Details.		Totals.		
							Quantity.	Value.	Quantity.	Value.	
				tons.	£	tons.	£				
TIN—continued.											
MARBLE BAR MINING DISTRICT—continued.											
1899	November	Marble Bar	5	Cooper and Lorden	4	...	4'00	300			
Do.	Do.	Do.	6	Cooper and Lorden	2	...	1'50	113			
Do.	Do.	Do.	16	Dick and others	4	...	2'50	125			
Do.	Do.	Do.	21	Lee, G., and others	4	...	1'00	70			
Do.	Do.	Do.	22	Marble Bar Tin Syndicate	8	...	3'00	240			
Do.	Do.	Do.	23	McGillicuddy and others	3	...	1'00	50			
Do.	Do.	Do.	...	From district generally	...	...	2'55	126		
				Men employed at other mines	18	...			15'55	1,024	
Do.	December	Do.	5	Cooper and Lorden	5	...	1'50	75			
Do.	Do.	Do.	20	O'Reilly and others	3	...	1'00	60			
Do.	Do.	Do.	21	Lee, G., and others	4	...	1'00	60			
Do.	Do.	Do.	22	Marble Bar Tin Syndicate	8	...	3'00	210			
Do.	Do.	Do.	23	McGillicuddy and others	4	...	'80	35			
Do.	Do.	Do.	39, etc.	McDonald and others	3	...	2'75	124			
				Men employed at other mines	20	...			10'05	564	
							Total	...	132'95	8,031	

COAL.

COLLIE COALFIELD.

Previous to 1899	Month	Locality	Official Number	Registered Name of Holder or Mine.	Average Number of Men employed.	Average Number of Men employed.	Quantity.	Value.	Quantity.	Value.
...	...	Collie	85-100	Collie Proprietary Coalfields of W.A., Ltd. (late Collie Coalfield Proprietary Co., Ltd.)	...	...	...	...	350'00	184
1899	March	Do.	...	Do. do.	13	3	170'00	89		
Do.	April	Do.	...	Do. do.	8	8	105'00	55		
Do.	May	Do.	...	Do. do.	12	20	285'00	146		
Do.	June	Do.	...	Do. do.	20	28	514'00	263		
Do.	July	Do.	...	Do. do.	15	30	662'00	339		
Do.	August	Do.	...	Do. do.	18	42	586'00	300		
Do.	September	Do.	...	Do. do.	18	46	198'00	102		
Do.	October	Do.	...	Do. do.	18	34	437'00	224		
Do.	November	Do.	...	Do. do.	14	37	769'00	394		
Do.	December	Do.	...	Do. do.	18	57	1,183'00	606		
							Total	...	4,909'00	2,518
							Total	...	5,259'00	2,702

Previous to 1899	...	Collie	...	...	30, etc.	W.A. Colliery and Fire Clay Co., Ltd. (late West Collie Coal and Fire Clay Proprietary Co., Ltd.)	...	...	...	...	2,900'00	1,450
Total											2,900'00	1,450
Previous to 1899	...	Collie	...	...	82	Westralian Wallsend Colliery	...	...	...	...	258'00	127
1899	January	Do.	...	...	...	Do. do.	...	27	44	763'00	375	
Do.	February	Do.	...	...	...	Do. do.	...	29	62	1,792'00	881	
Do.	March	Do.	...	...	...	Do. do.	...	25	75	3,072'00	1,510	
Do.	April	Do.	...	...	...	Do. do.	...	16	75	3,587'00	1,732	
Do.	May	Do.	...	...	...	Do. do.	...	20	140	4,292'00	2,093	
Do.	June	Do.	...	...	...	Do. do.	...	30	140	4,574'00	2,224	
Do.	July	Do.	...	...	...	Do. do.	...	35	145	5,402'00	2,597	
Do.	August	Do.	...	...	...	Do. do.	...	30	150	6,550'00	3,260	
Do.	September	Do.	...	...	...	Do. do.	...	40	140	6,480'00	3,012	
Do.	October	Do.	...	...	...	Do. do.	...	40	140	3,562'00	1,601	
Do.	November	Do.	...	...	...	Do. do.	...	40	140	6,978'00	3,070	
Do.	December	Do.	...	...	...	Do. do.	...	40	140	2,375'00	1,078	
Total											49,427'00	23,433
Total											49,685'00	23,560

LIMESTONE.

† FROM COLONY GENERALLY.

1899	...	Fremantle	17,593'00	2,833
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† Ore flux received by the W.A. Smelting Co., Ltd., Fremantle.

TABLE X.

Return of Ore and Minerals, other than Gold, entered for EXPORT from the Year 1850 to 31st December, 1899, showing the Quantity obtained from certain Mining Districts, and the Value thereof.

METALLIC MINERALS.

YEAR.	COPPER.						LEAD.		TIN.						YEAR.
	West Pilbarra.		Northampton.		Total.		Northampton.		Pilbarra.		Greenbushes.		Total.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	tons.	£	
1850	5 00	55 00	...	...	...	...	...	...	1850
1	1
2	2
3	**	7 50	...	7 50	**	4 00	...	...	...	...	...	...	3
4	4
5	2 05	26 45	2 05	26 45	25 00	250 00	...	...	...	...	...	...	5
6	57 00	1,017 90	57 00	1,017 90	...	...	...	...	...	...	...	...	6
7	80 00	1,920 00	80 00	1,920 00	...	...	...	...	...	...	...	...	7
8	433 25	9,531 50	433 25	9,531 50	...	...	...	...	...	...	...	...	8
9	941 50	14,122 50	941 50	14,122 50	13 50	135 00	...	...	...	...	...	...	9
1860	517 50	8,021 25	517 50	8,021 25	98 50	985 00	...	...	...	...	...	...	1860
1	409 00	6,339 50	409 00	6,339 50	79 00	790 00	...	...	...	...	...	...	1
2	783 50	12,536 00	783 50	12,536 00	9 00	90 00	...	...	...	...	...	...	2
3	763 00	12,208 00	763 00	12,208 00	230 00	2,300 00	...	...	...	...	...	...	3
4	1,076 00	17,216 00	1,076 00	17,216 00	80 00	800 00	...	...	...	...	...	...	4
5	886 00	13,290 00	886 00	13,290 00	703 00	8,436 00	...	...	...	...	...	...	5
6	557 50	8,362 50	557 50	8,362 50	273 50	3,282 00	...	...	...	...	...	...	6
7	337 00	5,055 00	337 00	5,055 00	902 00	10,824 00	...	...	...	...	...	...	7
8	83 00	1,245 00	83 00	1,245 00	1,100 50	13,206 00	...	...	...	...	...	...	8
9	155 00	2,325 00	155 00	2,325 00	699 50	8,394 00	...	...	...	...	...	...	9
1870	6 00	90 00	6 00	90 00	1,209 50	14,514 00	...	...	...	...	...	...	1870
1	420 00	5,040 00	...	...	...	...	...	...	1
2	364 00	4,368 00	...	...	...	...	...	...	2
3	56 50	847 50	56 50	847 50	965 50	11,586 00	...	...	...	...	...	...	3
4	66 50	997 50	66 50	997 50	2,143 75	25,725 00	...	...	...	...	...	...	4
5	204 75	3,071 25	204 75	3,071 25	2,289 00	27,468 00	...	...	...	...	...	...	5
6	279 00	4,185 00	279 00	4,185 00	2,191 50	26,298 00	...	...	...	...	...	...	6
7	53 50	802 50	53 50	802 50	3,955 50	47,466 00	...	...	...	...	...	...	7
8	9 00	135 00	9 00	135 00	3,617 50	43,410 00	...	...	...	...	...	...	8
9	2,775 00	33,300 00	...	...	...	...	...	...	9
1880	8 00	120 00	8 00	120 00	1,921 00	15,368 00	...	...	...	...	...	...	1880
1	1,400 50	11,204 00	...	...	...	...	...	...	1
2	1 50	22 50	1 50	22 50	1,793 50	14,348 00	...	...	...	...	...	...	2
3	5 00	75 00	5 00	75 00	1,038 00	7,266 00	...	...	...	...	...	...	3
4	118 00	1,770 00	118 00	1,770 00	696 00	4,872 00	...	...	...	...	...	...	4
5	119 50	1,792 50	119 50	1,792 50	465 00	3,255 00	...	...	...	...	...	...	5
6	249 00	3,735 00	249 00	3,735 00	611 00	4,277 00	...	...	...	...	...	...	6
7	23 00	345 00	23 00	345 00	471 00	4,710 00	...	...	...	...	...	...	7
8	87 50	1,487 50	87 50	1,487 50	532 00	5,320 00	...	...	...	...	...	...	8
9	112 00	1,904 00	112 00	1,904 00	250 00	2,500 00	...	...	...	...	...	...	9
1890	8 00	136 00	8 00	136 00	213 50	2,135 00	...	...	...	...	...	...	1890
1	262 50	4,462 50	...	...	262 50	4,462 50	25 00	250 00	...	...	204 00	10,200 00	† 67 50	5,400 00	1
2	* 412 00	6,318 80	155 00	2,377 20	567 00	8,696 00	29 75	150 00	...	...	e 265 49	13,843 00	e 265 49	13,843 00	2
3	50 00	606 00	...	...	50 00	606 00	...	...	...	...	56 45	3,470 00	171 50	7,664 00	3
4	19 00	949 00	371 25	14,325 00	4
5	802 00	12,832 00	24 00	120 00	826 00	12,952 00	...	...	...	...	...	...	277 15	9,703 00	5
6	6 30	100 00	...	...	6 30	100 00	...	...	...	...	...	...	137 25	4,338 00	6
7	64 85	731 25	21 15	302 00	86 00	1,033 25	**	4 00	...	...	...	...	95 55	3,275 00	7
8	a 280 87	3,334 00	c 74 53	931 50	355 40	4,265 50	5 00	33 00	...	...	...	...	f 68 14	2,760 00	8
9	1,401 50	31,978 50	586 55	9,473 25	1,991 05	41,451 75	16 00	96 00	...	...	29 55	2,025 00	g 278 41	21,138 00	9
Total	b 3,283 02	60,363 05	d 9,349 28	147,944 30	12,632 30	208,307 35	33,617 00	364,514 00	105 00	6,444 00	h 1,868 74	87,246 00	j 2,046 24	99,490 00	

272

* See Woodward's Mining Handbook, Perth: By Authority, 1895; p. 128. ** Declared; tonnage not stated. † Probably the produce of the Greenbushes Tinfield. a. 280 tons 17 cwt. 2 qrs. b. 3,283 tons 0 cwt. 2 qrs. c. 74 tons 10 cwt. 2 qrs. d. 9,349 tons 5 cwt. 2 qrs. e. 265 tons 9 cwt. 3 qrs. f. 68 tons 2 cwt. 3 qrs. g. 278 tons 8 cwt. 1 qr. h. 1,868 tons 14 cwt. 3 qrs. i. 307 tons 19 cwt. 1 qr. j. 2,046 tons 4 cwt. 3 qrs.

NON-METALLIC MINERALS.

YEAR.	ASBESTOS.		COAL.						MICA.		PIG LEAD. ¶		YEAR.
	Quantity.	Value.	Irwin.		Collie.		Total.		Quantity.	Value.	Quantity.	Value.	
			Quantity.	Value.	Quantity.	Value.	Quantity.	Value.					
	tons	£	tons	£	tons	£	tons	£	tons	£	tons	£	
1850	1850
1	1
2	2
3	3
4	55·00	1,200·00	4
5	122·00	2,440·00	5
6	133·75	2,675·00	6
7	60·00	1,200·00	7
8	120·50	2,410·00	8
9	61·00	1,220·00	9
1860	24·75	495·00	1860
1	1
2	2
3	3
4	4
5	5
6	6
7	§ 3·00	50·00	7
8	8
9	9
1870	1870
1	1
2	2
3	3
4	4
5	5
6	4·25	89·25	6
7	§ 7·00	155·00	7
8	§ 1·00	15·00	8
9	9
1880	1880
1	§ 5·00	89·00	1
2	§ 1·00	20·00	2
3	3
4	4
5	5
6	6
7	§ 6·00	120·00	7
8	§ 2·00	40·00	8
9	9
1890	1890
1	1
2	2
3	**	25·00	...	3
4	**	4·00	...	4
5	**	3·00	...	5
6	6
7	**	209·00	|| 50	7
8	1·00	1·00	1·00	1·00	...	...	...	8
9	**	1·00	...	...	798·00	772·00	798·00	772·00	798·00	772·00	...	...	9
Total	1·00	...	...	799·00	773·00	799·00	773·00	...	291·00	683·75	13,306·25	

** Declared ; tonnage not stated.

‡ 13 packages, weight not stated.

§ Estimated, no tonnage given.

|| No tonnage given, 6 packages estimated at 10 cwts.

¶ Advantage has been taken of the series of years contained in this Table to show in detail the quantity of pig lead exported.

TABLE XI.

ALL MINES.

Return showing Quantity and Estimated Value of MINING MACHINERY in existence on the 31st December, 1899.

GOLDFIELD.	DISTRICT.	GOVERNMENT PUBLIC BATTERIES.	Steam Engines employed in				Oil Engines.	Pumps (Cornish lift or plunger).	Steam Pumps.	Tailrope Pumps.	Single Winding Gear.	Double Winding Gear.	Whims.	Whips.	Rock Drills.	Air Compressors.	Stone-breakers.	Crushing Mills (Stamper Batteries).	Number of Heads of Stampers.	Treadmill Mills.	Crushing Rollers.	Huntington Mills.	Otis and other Ball Mills.	Griffin Mills.	Saltford Mills.	Prospecting Mills.	Berdan Pans.	Wheeler's Pans.	Amalgamating Barrels.
			Minning.	Minning.	Reduction.	Reduction.																							
Kimberley ...	...	...	1	1	6	7	...	5	2	...	...	1	...	...	...	...	8	70	...	1	1	...	...	...	...	4	4	...
Pilbarra ...	Marble Bar ...	...	3	3	9	11	4	6	8	...	...	4	...	3	...	...	11	80	2	...	...	...	...	...	...	5	...	...
Do. ...	Nullagine ...	...	...	...	3	2	...	1	6	...	...	1	...	...	...	1	3	30	...	...	...	...	...	...	...	2	...	...
West Pilbarra ...	...	...	5	4	3	4	...	2	6	...	1	1	...	...	...	2	1	20	1	...	...	...	...	...	1	...	...	...
Ashburton ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gascoyne ...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Peak Hill ...	...	...	1	1	1	1	...	1	2	1	2	...	...	...	...	...	3	33	...	...	...	...	...	...	...	1	...	...
East Murchison ...	Ravelstone ...	...	...	...	...	1	...	3	...	...	...	...	...	...	1	...	1	10	...	...	...	...	...	...	...	2	...	...
Murchison ...	Cue ...	...	10	16	12	19	...	6	40	1	2	4	1	6	6	2	3	19	144	1	...	...	...	...	...	7	...	...
Do. ...	Namine * ...	...	16	20	11	17	...	13	28	3	5	9	2	8	4	1	3	12	145	...	...	1	1	...	...	17	...	...
Do. ...	Tuckanarra ...	...	11	12	13	19	...	12	23	3	10	8	...	2	2	1	1	15	153	...	...	...	...	...	...	24	...	...
Do. ...	Day Dawn ...	...	...	...	...	1	...	1	3	...	...	...	1	...	...	...	1	10	...	...	...	...	...	...	...	2	...	...
Do. ...	Mt. Magnet ...	...	24	23	7	6	1	6	18	3	5	7	1	8	6	2	2	6	95	...	2	...	...	...	...	3	...	...
Do. ...	Lennonville ...	...	17	18	5	11	...	8	16	2	...	6	5	16	...	2	7	95	2	...	...	...	...	...	...	6	...	2
Yalgoo ...	...	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	1	10	...	...	...	...	...	...	...	2	...	...
Yalgoo ...	Yalgoo ...	...	8	9	7	8	...	5	19	3	1	3	...	1	8	2	5	63	3	...	1	...	...	...	...	6	...	...
Mt. Margaret ...	Mt. Malcolm ...	...	...	...	1	1	...	3	...	...	...	...	...	...	1	1	1	5	...	...	...	...	...	...	...	2	...	...
Do. ...	Mt. Leonora ...	...	16	17	21	25	2	4	48	8	3	15	...	16	6	3	11	24	188	1	1	1	...	...	...	16	3	...
Do. ...	Mt. Margaret ...	...	...	...	1	1	...	3	1	...	...	...	...	...	...	...	1	10	...	...	...	...	...	...	...	2	...	...
Do. ...	...	...	7	8	9	12	...	2	27	2	3	5	...	7	3	2	2	13	101	2	...	...	...	...	...	1	...	4
North Coolgardie ...	Menzies ...	...	28	28	15	18	1	1	44	7	5	13	...	29	36	9	6	15	186	...	...	...	...	...	...	20	5	...
Do. ...	Ularring ...	...	6	7	2	4	...	1	7	1	2	2	...	6	...	...	4	40	...	...	...	...	...	...	...	...	...	...
Do. ...	Mt. Ida ...	...	...	...	1	1	...	3	...	...	...	...	...	...	...	...	1	10	...	...	...	...	...	...	...	1	...	...
Do. ...	Mulline ...	...	...	...	1	1	...	3	...	...	...	...	...	1	...	...	1	10	...	...	...	...	...	...	...	2	...	...
Do. ...	Niagara ...	...	10	15	6	9	...	3	22	5	...	5	...	6	6	1	3	7	95	1	...	...	...	...	...	4	...	...
Do. ...	Yerilla ...	...	1	2	7	13	1	3	16	3	...	1	...	3	...	...	6	7	45	3	...	...	...	...	...	2	...	...
Do. ...	Yerilla ...	...	...	...	1	1	...	3	...	...	...	...	...	...	...	1	...	10	...	...	...	...	...	...	...	2	...	...
Broad Arrow ...	...	...	23	28	18	19	2	9	45	4	4	22	4	17	8	2	9	18	228	...	1	...	1	...	...	5	1	...
N. E. Coolgardie ...	Kanowna ...	...	15	15	18	20	4	11	38	9	2	12	...	10	4	1	8	25	191	1	...	4	1	...	...	12	1	...

Do.	...	Bulong	...	7	7	2	3	...	1	3	...	1	1	...	1	4	1	...	3	30	2	
Do.	...	Bulong	...	...	1	1	1	...	...	3	...	...	...	...	...	1	1	...	1	20	...	...	...	...	...	4	...	...
Do.	...	Kurnalpi	1	2	1	2	...	1	1	1	1	5	1	
E. Coolgardie	...	...	...	90	140	31	57	1	15	174	12	16	64	4	24	216	36	27	13	295	...	7	10	30	...	6	24	1
Coolgardie	...	Coolgardie	...	40	40	26	42	5	9	75	6	7	22	...	16	72	13	19	28	353	1	1	...	1	...	1	19	5	...	
Do.	...	Kunanalling	...	10	17	13	19	1	4	44	2	2	7	4	26	7	2	6	19	136	1	1	...	...	...	2	...	...
Yilgarn	...	...	...	11	12	9	16	2	9	20	1	2	8	...	5	...	...	3	13	170	...	...	...	...	...	12	5	...
Dundas	...	...	...	15	15	16	19	4	5	27	8	4	8	1	17	9	2	6	21	182	...	...	1	2	...	22	...	1
Donnybrook	...	Norseman	...	...	1	1	2	...	...	2	...	...	...	...	...	...	1	...	1	10	...	...	...	...	...	2	...	...
The Northam Milling and Mining Co., Ltd.	...	...	...	...	...	5	6	...	...	10	...	...	...	...	...	...	...	2	1	60	...	...	...	...	...	...	...	...
The W.A. Smelting Co., Ltd., Fremantle	...	...	...	...	...	4	4	...	...	4	...	...	...	...	...	...	...	2	...	...	...	2	...	...	...	...	...	...
TOTAL GOLD EXTRACTING MACHINERY				375	460	291	404	28	144	803	82	78	228	23	230	397	85	132	313	3,338	22	16	19	36	2	2	2	219	48	8
Greenbushes (Tinfield)	...	...	...	...	...	2	...	...	...	2	...	...	...	1	...	...	2	...	...	...	...	3	...	...	...	...	...	...
Collie (Coalfield)	...	...	...	3	3	...	...	1	...	9	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL MINING MACHINERY OTHER THAN FOR GOLD EXTRACTION				3	3	2	...	1	...	11	...	1	1	...	1	2	3	
TOTAL MINING MACHINERY				378	463	293	404	29	144	814	82	79	228	23	231	397	86	134	313	3,338	22	19	19	36	2	2	2	219	48	8

TABLE XI.—continued.

ALL MINES—continued.

Return showing Quantity and Estimated Value of MINING MACHINERY, etc.—continued.

GOLDFIELD.	DISTRICT.	GOVERNMENT PUBLIC BATTERIES.	Settler's and other Amalgamating Pans.	Arrastras.	Brown and Stanfield's Concentrators.	Percussion and Shaking Tables.	Vanners.	Settling Tanks.	Revolving Vats.	Jiggers.	Trommels.	Classifiers.	Spitzkasten.	Furnaces (Reverberatory).	Furnaces (Cupelling).	Water Jackets.	Refining Furnaces.	Fan Blasts.	Chlorination Vats.	Cyaniding.		Filter Presses.	Endless Chain Trams.	Dams and Reservoirs.	Miscellaneous Accessories.	ESTIMATED VALUE OF PLANT.				
																				Leaching Vats.	Storage Vats.					Government Public Batteries.	District.	Goldfield.		
Kimberley	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	m	£	£	£	8,305
Pilbarra	Marble Bar	...	...	...	...	2	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	m	...	30,680	...	...
Do.	Nullagine	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	m	...	7,500	...	...	38,180
West Pilbarra	...	...	...	...	...	...	...	4	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2	m	...	...	...	9,315	
Ashburton	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Gascoyne	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	m	...	...	...	1,525	
Peak Hill	...	Ravelstone	6	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	m	5,260	...	...	22,286	
East Murchison	...	...	...	...	...	...	...	1	...	...	...	...	...	2	1	...	...	...	...	...	5	8	...	16	m	...	...	...	5,260	
Murchison	Cue	...	...	2	2	...	18	...	...	...	...	...	...	2	...	...	...	...	...	...	18	8	...	12	m	...	42,715	...	...
Do.	Nannine	Tuckarra	1	...	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	m	...	67,292	...	...	68,915	
Do.	Day Dawn	...	...	...	...	...	...	...	...	...	...	...	...	1	4	3	...	...	...	...	16	5	...	3	m	...	30,037	...	...	5,376
Do.	Mt. Magnet	Lennouville	1	...	...	2	...	3	...	...	...	...	...	2	...	2	...	...	...	...	6	2	...	...	m	...	47,623	...	...	4,860
Yalgoo	...	...	...	...	...	...	...	6	...	...	...	...	...	...	3	...	...	...	...	...	6	3	...	3	m	...	...	...	187,667	
Mt. Margaret	Mt. Malcolm	Yalgoo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	m	4,646	...	...	34,967	
Do.	Mt. Margaret	Mt. Leonora	...	...	...	...	...	4	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	5	m	...	95,910	...	...	4,646
North Coolgardie	Menzies	...	...	4	6	9	22	...	...	...	...	...	2	8	4	1	4	...	...	...	20	14	...	4	m	...	129,037	...	...	5,456
Do.	Ularring	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	m	...	14,348	...	...	33,335
Do.	Niagara	Mt. Ida	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	m	7,886	...	...	...	7,886
Do.	Yerilla	Mulline	...	...	...	2	...	8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	m	5,883	...	...	...	5,883
Do.	Yerilla	Yerilla	...	...	...	4	7	...	...	...	...	...	...	...	1	...	...	...	...	...	9	5	...	4	m	...	38,401	...	...	...
Broad Arrow	...	...	8	...	1	...	16	...	...	...	...	...	...	3	6	...	2	1	...	...	30	14	...	1	m	...	...	...	6,668	6,668
N.E. Coolgardie	Kanowna	...	1	...	...	...	53	...	...	...	...	...	...	...	...	1	...	...	...	...	8	4	...	10	m	...	70,293	...	...	200,371
																									m	...	...	...	...	110,011

Do.	Bulong ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	m	...	13,760	...
Do.	Bulong ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	m	6,111	...	6,111
Do.	Kurnalpi ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	m	...	1,250	85,303
East Coolgardie	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	566,426
Coolgardie ...	Coolgardie ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	m	...	...	...
Do.	Kunanalling ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21	m	...	179,667	...
Yilgarn... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	m	...	...	233,005
Dundas... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	m	...	...	65,904
Donnybrook ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	m	5,174	...	5,174
The Northam Milling and Mining Co., Ltd.	800
The W.A. Smelting Co., Ltd., Fremantle
TOTAL GOLD EXTRACTING MACHINERY
Greenbushes (Tinfield)
Collie (Coalfield)
TOTAL MINING MACHINERY OTHER THAN FOR GOLD EXTRACTION
TOTAL MINING MACHINERY

m Accessories not specially enumerated, though included in the above valuations.

TABLE XIII.
ALL MINES.

Number of DEATHS from Accidents in the different Goldfields, Mining Districts, and Coalfield of the Colony, during the Year 1899.

GOLDFIELDS, MINING DISTRICTS, AND COALFIELD.	By EXPLOSIVES.	FALLS IN MINE.				IN SHAFTS.								MISCELLANEOUS UNDERGROUND.						ON SURFACE.					GROSS TOTAL.									
		Falls of sides.	Falls of roof.	Miscellaneous.	Total falls.	Overwinding.	Ropes and chains breaking.	Whist ascending or descending by machinery.	Falling into shafts from surface.	Things falling from surface.	Falling from part way down.	Things falling from part way down.	Miscellaneous.	Total in shafts.	Suffocation.	Irruptions of water.	On inclined and engine planes.	By trams and trucks.	By machinery.	Ropes and chains breaking.	Falling into water.	Stundries.	Total miscellaneous underground.	By machinery.		Boilers bursting.	Railways and tramways.	Miscellaneous.	Total on surface.					
GOLDFIELD.																																		
1. Kimberley ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2. Pilbarra	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
3. West Pilbarra ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4. Ashburton ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5. Gascoyne ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6. Peak Hill ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7. East Murchison ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8. Murchison ... ..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	
9. Yalgoo	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10. Mt. Margaret	3	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11. North Coolgardie... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12. Broad Arrow ... ..	..	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13. North-East Coolgardie ... ..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14. East Coolgardie	2	..	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15. Coolgardie	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16. Yilgarn	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17. Dundas ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18. Donnybrook ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MINING DISTRICT.																																		
19. Marble Bar ... ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20. Roebourne
21. Northampton and Yandanooka
22. Mt. Margaret
23. Greenbushes
COALFIELD.																																		
24. Collie	1
Total	14	..	6	3	9	1	5	..	3	2	3	14

TABLE XIV.

ALL MINES.

Percentage proportion of the DEATHS due to different causes in the separate Goldfields, Mining Districts, and Coalfield of the Colony compared with the total number of men employed in each, during the Year 1899.

GOLDFIELDS, MINING DISTRICTS, AND COALFIELD.	No. of men employed.	FALLS IN MINE.				IN SHAFTS.								MISCELLANEOUS UNDERGROUND.							ON SURFACE.				GROSS TOTAL.					
		By EXPLOSIVES.	Falls of sides.	Falls of roof.	Miscellaneous.	Total falls.	Overwinding.	Ropes and chains breaking.	Whist ascending or descending by machinery.	Falling into shafts from surface.	Things falling from surface.	Falling from part way down.	Things falling from part way down.	Miscellaneous.	Total in shafts.	Suffocation.	Irruption of water.	On inclined and engine planes.	By trams and trucks.	By machinery.	Ropes and chains breaking.	Falling into water.	Stundries.	Total miscellaneous underground.		By machinery.	Boilers bursting.	Railways and tramways.	Miscellaneous.	Total on surface.
GOLDFIELD.																														
1. Kimberley	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.41
2. Pilbarra...	240	0.41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3. West Pilbarra	48	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Ashburton	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Gascoyne	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6. Peak Hill	349	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. East Murchison	550	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8. Murchison	1,392	...	...	0.14	...	0.14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Yalgoo	320	1.25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Mt. Margaret	1,315	0.22	...	0.08	...	0.08	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11. North Coolgardie	1,573	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12. Broad Arrow	882	...	...	0.11	0.11	0.22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13. North-East Coolgardie	718	...	...	...	...	0.13	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14. East Coolgardie	5,110	0.04	...	0.04	0.02	0.06	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15. Coolgardie	2,560	0.07	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16. Yilgarn	402	0.25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17. Dundas	547	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18. Donnybrook	52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
MINING DISTRICT.																														
19. Marble Bar	44	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20. Roebourne	90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21. Northampton and Yandanooka	50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22. Mt. Margaret	21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23. Greenbushes	654	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COALFIELD.																														
24. Collie	192	0.52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
General Averages	17,131	0.08	...	...	...	0.05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TABLE XV.

ALL MINES.

Percentage proportion of the DEATHS due to different causes in the separate Goldfields, Mining Districts, and Coalfield of the Colony compared with the total number of deaths in each, during the Year 1899.

GOLDFIELDS, MINING DISTRICTS, AND COALFIELD.	BY EXPLOSIVES.	FALLS IN MINE.				IN SHAFTS.								MISCELLANEOUS UNDERGROUND.						ON SURFACE.				GROSS TOTAL.					
		Falls of sides.	Falls of roof.	Miscellaneous.	Total falls.	Overwinding.	Ropes and chains breaking.	Whisket ascending or descending by machinery.	Falling into shafts from surface.	Things falling from surface.	Falling from part way down.	Things falling from part way down.	Miscellaneous.	Total in shafts.	Suffocation.	Irruption of water.	On inclined and engine planes.	By trams and trucks.	By machinery.	Ropes and chains breaking.	Falling into water.	Sundries.	Total miscellaneous underground.		By machinery.	Boilers bursting.	Railways and tramways.	Miscellaneous.	Total on surface.
GOLDFIELD.																													
1. Kimberley	100.0
2. Pilbarra	100.0
3. West Pilbarra	100.0
4. Ashburton	100.0
5. Gascoyne	100.0
6. Peak Hill	100.0
7. East Murchison	100.0
8. Murchison	66.7	...	66.7	...	...	...	...	...	...	...	33.3	...	...	...	...	...	...	...	...	...	100.0	...	...	...	...	100.0	
9. Yalgoo	100.0
10. Mt. Margaret	16.7	...	16.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100.0
11. North Coolgardie	50.0	...	...	50.0	...	...	...	...	...	...	...	...	...	50.0	...	...	...	...	100.0	
12. Broad Arrow	33.3	33.3	66.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	33.4	33.4	...	...	...	...	...	...	100.0
13. North-East Coolgardie	33.4	33.4	...	33.3	33.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100.0
14. East Coolgardie	14.3	...	7.1	21.4	...	...	...	7.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7.1	28.6	...	100.0
15. Coolgardie	40.0	...	...	20.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100.0
16. Yilgarn	50.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	100.0
17. Dundas	100.0
18. Donnybrook	100.0
MINING DISTRICT.																													
19. Marble Bar
20. Roebourne
21. Northampton and Yandanooka
22. Mt. Margaret
23. Greenbushes
COALFIELD.																													
24. Collie	100.0
General Averages	31.1	13.4	6.6	20.0	...	...	2.2	11.2	...	6.6	4.4	6.6	31.1	...	...	...	...	...	...	...	2.2	2.2	13.4	...	...	2.2	15.6	100.0	

APPENDICES.

Directory of Miscellaneous Information.—(Corrected to 31st July, 1900).

Goldfield.	District.	Warden.	Registrar.	Address.	Inspector of Mines.	Government Public Batteries.			List of Telegraph Stations in Goldfield, District, or Mining District.	
						Where erected.	No. of Stampers.	Manager.		
1. Kimberley ...	...	...	¹ * D. W. Green ...	Hall's Creek ...	...	...	...	...	Hall's Creek.
2. Pilbarra ...	Marble Bar ...	Axel Ostlund ...	Thos. H. Hannah	Marble Bar ...	...	...	...	...	Condon, Marble Bar, Port Hedland, Warrawoona.
Do. ...	Do. ...	...	¹ † H. D. Dawson	Bamboo Creek	...	...	...	...	Bamboo Creek.
Do. ...	Do. ...	...	¹ † P. Sutcliffe ...	Tambourah ...	...	...	...	...	Tambourah.
Do. ...	Nullagine ...	...	Isidore Grimish ...	Nullagine ...	...	...	...	...	Nullagine.
3. West Pilbarra ...	...	¹ * A. Madden ...	L. Prince ...	Roebourne ...	...	...	...	...	Balla Balla, Cossack, Roebourne, Whim Creek.
4. Ashburton ...	...	...	¹ * Abraham Phelps	Mt. Mortimer, via Onslow	...	...	...	...	Via Onslow.
5. Gascoyne ...	...	...	¹ † ² † Edward Duffy	Thomas River Police Station, via Carnarvon	...	...	...	...	Via Carnarvon.
6. Peak Hill ...	...	C. U. Bagot ...	Gerald Horgan ...	Peak Hill ...	W. F. Greenard (Cue)	Ravelstone ...	10	M. Wynn ...	Peak Hill.
7. East Murchison ...	...	A. G. Clifton ...	W. O. Mansbridge	Lawlers ...	{ Northern Half Goldfield: W. F. Greenard; Southern Half Goldfield: J. Crabb }	...	...	...	Lawlers.
8. Murchison ...	Cue ...	A. Hicks ...	J. E. Geary ...	Cue ...	{ W. F. Greenard (Cue) }	Tuckanarra ...	10	Norman Foote ...	Cuddingwarra, Cue, Tuckanarra.	
Do. ...	Nannine	F. E. Walsh ...	Nannine	Abbot's, Nannine, Star of the East.
Do. ...	Day Dawn	³ †	Day Dawn, Lake Austin.
Do. ...	Mt. Magnet	T. G. Collie ...	Mt. Magnet ...		Lennonville ...	10	A. R. Fleming	Lennonville, Mt. Magnet.
Do. ...	Do.		Paynesville ...	5	Fred. Squires
9. Yalgoo ...	...	² *	T. Y. A. Lang ...	Yalgoo ...	...	...	...	...	Gullewa, Melville, Murgoo (Telephone), Yalgoo.
10. Mt. Margaret ...	Mt. Malcolm	A. E. Burt ...	W. H. Cocks ...	Mt. Malcolm ...	Josiah Crabb (Mt. Malcolm)	Mt. Leonora ...	10	J. M. D. Williams	Diorite King, Mount Leonora, Mount Malcolm, Murrin Murrin.	
Do. ...	Mt. Margaret	...	F. W. Spence ...	Laverton ...	...	...	...	...	Laverton, Mount Morgan.
11. N. Coolgardie ...	Menzies ...	W. L. Owen ...	E. Y. Butler ...	Menzies ...	{ J. O. Hudson (Menzies) }	...	...	...	Goongarrie, Menzies.
Do. ...	Ularring	⁴ †	...		Mt. Ida ...	10	John Twyford
Do. ...	Do.		Mulline ...	10	Samuel Evans
Do. ...	Do.		Do. ...	¹ §	Niagara.
Do. ...	Niagara	H. E. D. Peers ...	Niagara	² §	Pendinnie.
Do. ...	Yerilla ...	...	⁵†	...	...	...	...	...	Bardoc, Black Flag, Broad Arrow, Paddington.
12. Broad Arrow ...	...	L. R. Davis ...	A. S. McIntosh ...	Broad Arrow ...	{ G. Jenkyn (Kanowna) }	...	...	...	Kanowna.
13. N. E. Coolgardie	Kanowna ...	P. Troy ...	G. F. Schloo ...	Kanowna	Bulong.
Do. ...	Bulong	J. A. Flower ...	Bulong	Kurnalpi.
Do. ...	Kurnalpi ...	...	⁶†	...	...	...	...	...	...

14. East Coolgardie	...	J. M. Finnerty ...	M. F. Calanchini	Kalgoorlie ...	F. J. Lander ...	...	...	...	...	Boulder, Kalgoorlie.
15. Coolgardie	Coolgardie ...	E. P. Dowley ...	H. W. Quodling ...	Coolgardie ...	Geo. Lightly (Coolgardie)	Widgemooltha	² §10	J. Headley ...	...	Bonnie Vale, Boorabbin, Bulla Bul- ling, Burbanks, Coolgardie, London- derry, Widgiemooltha.
Do	Kunanalling	...	⁷ †
16. Yilgarn ...	...	Victor Black ...	J. M. Bridger ...	Southern Cross	...	...	...	...	...	Southern Cross.
17. Dundas ...	...	P. L. Gibbons ...	W. Dawson ...	Norseman ...	W. M. Deeble ...	Norseman ...	10	J. W. Simpson ...	...	Balladonia (Baldania), Norseman.
18. Donnybrook	...	W. A. G. Walter	H. V. Falkiner ...	Donnybrook ...	...	...	...	...	...	Donnybrook.
MINING DISTRICTS.										
1. Northampton	...	...	Gustavus Varley	Northampton...	...	...	...	...	...	Northampton.
2. Yandanooka	...	...	...	...	...	...	...	...	...	...
3. Greenbushes	...	...	W. A. G. Walter	Greenbushes ...	...	...	...	...	...	Greenbushes.
			¹ † M. B. d'Almeida	Do.	...	...	...	...	...	...
4. Collie Coalfield	...	...	Raymond Gee ...	Collie ...	T. D. Briggs ...	...	...	...	...	Colliefields.
5. Phillips River ⁵†	...	...	J. E. Angove ...	Albany ...	...	...	...	...	...	Albany.

¹* Acting Warden. ²* Administered by Warden Murchison G.F. ¹† Deputy Mining Registrar. ²† Visits Bangemall, 50 miles distant, once a month. ³† Administered from Cue. ⁴† Administered from Menzies.
⁵† Administered from Niagara. ⁶† Administered from Bulong. ⁷† Administered from Coolgardie. ⁸† Administered temporarily from Albany. ¹‡ Assistant Mining Registrar.
¹§ 10 head to be erected from dismantled 20-head battery, Bulong. ²§ 10 head to be erected from dismantled 10-head battery, Yerilla. ³§ Part of dismantled 20-head battery, Bulong.

ROYAL MINT, PERTH BRANCH.

On 20th June, 1899, 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 4s. is made for all weights up to 48ozs.

From	50ozs. to	500ozs. an addition at the rate of 10d. for every	10ozs. or part of	10ozs.
"	501ozs. "	1,000ozs. "	"	20ozs.
"	1,001ozs. and upwards	"	"	100ozs.
			1s. 8d. "	20
			4s. 2d. "	100

(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.			Net 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.
50	1·0	1·5	2·5	0 4 2	0 6 3	0 10 5	194 3 4
100	1·0	1·5	2·5	0 8 4	0 12 6	1 0 10	388 6 8
600	1·0	1·0	2·0	2 10 0	2 10 0	5 0 0	2,331 5 0
1,000	1·0	1·0	2·0	4 3 4	4 3 4	8 6 8	3,885 8 4
5,000	0·6	1·0	1·6	12 10 0	20 16 8	33 6 8	19,435 8 4
10,000	0·5	1·0	1·5	22 18 4	41 13 4	64 11 8	38,872 18 4

GOLD ESCORT SERVICE.

Table of Rates.—Omitted. A new one is under consideration, and will be published at an early date.

Rates for carriage of gold on Government Railways:—

	Distance not over							
	25 miles.	50 miles.	100 miles.	150 miles.	200 miles.	250 miles.	300 miles.	350 miles.
Gold dust and bullion per 100ozs. ...	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.

NOTE.—A special reduction of 25 per cent. is made for all gold dust or bullion consigned to the Perth Mint.

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	·805 × £3 17s. 10½d. =
3792·8	·805 × £3·894
	·805
26200	19470
23705	311520
2495	£3·134(670)
	20
	s. 2·680
	12
	d. 8·160 = £3 2s. 8d., value per ounce of gold as produced from the mine.

J. F. CAMPBELL,
Deputy Master.

1st January, 1900.