

MININDI912_3

THE PROGRESS OF
THE MINERAL INDUSTRY
OF
TASMANIA

FOR THE QUARTER ENDING 30TH SEPTEMBER, 1912

COMPILED BY

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SECRETARY FOR MINES

BY ORDER OF

THE HONOURABLE EDWARD MULCAHY

MINISTER FOR MINES



Tasmania:

JOHN VAIL, GOVERNMENT PRINTER, HOBART

1912



PROGRESS OF THE

MINERAL INDUSTRY OF TASMANIA.

FOR THE QUARTER ENDING 30TH SEPTEMBER, 1912.

Hobart, 27th November, 1912.

The following table shows, as far as can be ascertained, the quantities and values of metals and minerals raised during the quarter ending 30th September, 1912, as compared with the previous quarter ending 30th June, 1912 :—

| | During the Quarter ending 30th September, 1912. | | During the Quarter ending 30th June, 1912. | |
|----------------------------------------|-------------------------------------------------|---------|--------------------------------------------|---------|
| | Quantity. | Value. | Quantity. | Value. |
| | | £ | | £ |
| * Gold won oz. | 8898·172 | 37,797 | 13,748·766 | 58,401 |
| Silver-lead Ore produced tons | 24,074·474 | 83,621 | 22,315·75 | 85,329 |
| † Blister Copper produced .. | 1832 | 162,450 | 1330 | 113,152 |
| Copper Ore and Copper produced..... .. | 524·6 | 4007 | 270 | 1868 |
| Tin Ore produced..... .. | 981·7 | 143,507 | 952·935 | 130,905 |
| Coal raised..... .. | 14,185 | 6744‡ | 14,686 | 6705 ‡ |
| Wolfram Ore produced... .. | 16 | 1504 | 15·15 | 1577 |
| Bismuth | 1·8 | 410 | 1·75 | 700 |
| Osmiridium oz. | 86·58 | 580 | 140·53 | 1108 |
| | ... | 440,620 | ... | 399,745 |

* Fine gold, including gold contained in blister copper and silver-lead bullion.

† Value of gold contents deducted.

‡ Value at pit's mouth.

GOLD.

During the past quarter 2624·4 oz. gold were obtained from quartz, 181·45 oz. from alluvial, 2266 oz. by means of the cyanide and chlorination processes, 2315 oz. from blister copper from the Mt. Lyell Mining and Railway Company Limited, and 1526 oz. from the silver-lead bullion from the Tasmanian Smelting Company's works, Zeehan, valued at £37,797.

The following table shows the quantities obtained from the various sources on the different fields during the period under review, together with the totals for the corresponding period of 1911, and the previous quarter ending 30th June, 1912 :—

| | Gold obtained during the Quarter ending 30th September, 1912. | | | | | | Totals corresponding Quarter, 1911. | Totals for Quarter ending 30th June, 1912. |
|------------------------------------------------|---------------------------------------------------------------|-----------|-------------------------|----------------------|---------------------------|---------|-------------------------------------|--------------------------------------------|
| | From Quartz. | Alluvial. | Cyanide & chlorination. | From Blister Copper. | From Silver-lead Bullion. | TOTAL. | | |
| | oz. | z | oz. | oz. | oz. | oz. | oz. | |
| Beaconsfield | 2577 | ... | 2266 | ... | ... | 4843 | 5259 | 5897 |
| Mathinna & Mangana. | 47·4 | ... | ... | ... | ... | 47·4 | 71·5 | 11 |
| Mt. Victoria | } | 93·65 | ... | ... | ... | 93·65 | 75·75 | 56 |
| Warrentinna | | | | | | | | |
| Mt. Cameron | ... | ... | ... | ... | ... | ... | 9·75 | 36·95 |
| Lefroy | ... | ... | ... | ... | ... | ... | ... | ... |
| Lisle | } | 54 | ... | ... | ... | 54 | 66 | 12 |
| Lilydale..... | | | | | | | | |
| Golconda ... | ... | ... | ... | ... | ... | ... | ... | ... |
| West Coast. | ... | 33·8 | ... | 2315 | 1526 | 3874·8 | 2613·58 | 7748 |
| TOTALS | 2624·4 | 181·45 | 2266 | 2315 | 1526 | 8912·85 | ... | ... |
| Totals corresponding Quarter, 1911..... | 3189·25 | 155·33 | 2151 | 2600 | ... | ... | 8095·58 | ... |
| Totals for Quarter ending 30th June, 1912..... | 3304·95 | 88 | 2653 | 2001 | 5714 | ... | ... | 13,760·95 |

Value, £37,797 ; equal to 8898·172 oz. fine gold.

BEACONSFIELD.—The quarter's statistics for the district are as follow:—

| | Gold produced. oz. | Men employed. |
|---------------------|-----------------------|---------------|
| Tasmania Mine | 4843 | 433 |

Tasmania Mine.—Thirteen thousand six hundred and two tons of quartz crushed, and 4843 oz. of gold obtained (by amalgamation and cyanide process), which makes a total of 969,710 tons quartz crushed, and 803,430 oz. gold obtained since the mine was first started.

LEFROY. The quarter's statistics are as follow:—

| | Gold produced. oz. | Men employed. |
|---------------------|-----------------------|---------------|
| Creek Cyanide | — | } 3 |
| Gray..... | — | |
| Others | — | |
| Total | — | 3 |

LISLE, GOLCONDA, &c.—Fifty-four ounces of gold have been won from these fields. Eighteen men have been employed.

ALBERTON.—Sixty-three ounces four pennyweights were obtained from this district by four men.

Alluvial Gold and Dredging Companies.—Gold has been obtained by the following companies in streaming tin:—

| | Standard Gold. oz. |
|---------------------------------|-----------------------|
| South Mt. Cameron Dredge | ... |
| South Mt. Cameron T.M. Co. | 12 |
| Briseis Co. | 18·45 |
| Total | 30·45 |

MATHINNA AND MANGANA.—The quarter's statistics are as follow:—

| | Quartz crushed. tons. | Sand treated. tons. | Gold produced. oz. | Men. |
|---------------------------|--------------------------|------------------------|-----------------------|------|
| Miner's Dream, Mathinna . | 20 | ... | 16·25 | 3 |
| McLeod's Leases, Mangana | ... | ... | 31·15 | 3 |
| Totals..... | 20 | ... | 47·40 | 6 |

WEST COAST.—Mr. Inspector Curtain reports :—

McDowell Prospecting Association, Linda.—Mr. Michael Cunningham, manager, reports that operations have been carried on driving a lower tunnel to give an additional 100 feet of backs. Distance driven 148 feet. Two men employed.

Messrs. Nicholson and Ellison, registered goldbuyers at Queenstown and Linda, report the purchasing of 5·6 oz. of alluvial gold, valued at £19 11s. 8d., 5 men being employed in its recovery.

The miners working for osmiridium in the Savage River district obtained 28·2 oz.

TIN.

The statistics for this metal for the past quarter are as follow :—

| | Ore won. tons. | Value. £ | Men employed. | |
|--------------------------------|-------------------|-------------|---------------|----------|
| | | | Europeans. | Chinese. |
| Northern and Southern Division | 13·5 | 854 | 33 | ... |
| North-Eastern Division | 467·45 | 69,945 | 647 | 64 |
| Eastern Division | 90·10 | 13,057 | 324 | 31 |
| North-Western Division | 356·75 | 52,735 | 543 | ... |
| Western Division | 53·9 | 6916 | 216 | ... |
| Totals | 981·7 | 143,507 | 1763 | 95 |

NORTH-WESTERN DIVISION.

The output has been as under :—

| | Ore won. tons. | Men employed. |
|-------------------------------|-------------------|---------------|
| Mt. Bischoff | 300 | 440 |
| Mt. Bischoff Extended | 45·5 | 82 |
| Weir's Bischoff Surprise..... | 2·7 | 5 |
| Wombat | 1·05 | 4 |
| Ringtail | 4 | 7 |
| Waratah Alluvial | 3·5 | 5 |
| Totals..... | 356·75 | 543 |

NORTH-EASTERN DIVISION.

PIONEER AND GLADSTONE DISTRICTS:—

| | Tin ore won. tons. | Men employed. | |
|-------------------------|-----------------------|---------------|----------|
| | | Europeans. | Chinese. |
| Pioneer Tin Mine | 102 | 75 | ... |
| Aberroo | 6.75 | 15 | ... |
| South Mt. Cameron | 33.8 | 34 | ... |
| Garibaldi..... | 11.75 | 13 | 2 |
| Clifton Creek | 38 | 36 | ... |
| Yee Gee | 16.55 | 12 | 10 |
| Other Claims | 42.1 | 80 | 29 |
| Totals..... | 250.95 | 265 | 41 |

RINGAROOMA DISTRICT:—

| | | | |
|--------------------|-------|----|-----|
| Federal | 1.5 | 5 | ... |
| Bell's Hill..... | 1.35 | 5 | ... |
| Other Claims | 8.3 | 28 | 1 |
| Totals..... | 11.15 | 38 | 1 |

DERBY DISTRICT:—

| | | | |
|--------------------------|--------|-----|-----|
| Briseis Tin Mines..... | 135 | 147 | ... |
| Clyde | 1.75 | 3 | ... |
| Waverley | 2.25 | 5 | ... |
| Other Derby Claims | 14.65 | 52 | 9 |
| Totals | 153.65 | 207 | 9 |

BRANXHOLM DISTRICT:—

| | | | |
|---------------------|------|----|-----|
| Arba Tin Mine | 19.8 | 40 | ... |
| New Ruby Flat | 11 | 20 | ... |
| Other Claims | 6.3 | 32 | 13 |
| Totals | 37.1 | 92 | 13 |

THE MINERAL INDUSTRY

MOORINA DISTRICT:—

| | Tin ore won. tons. | Men employed. | |
|----------------------------------------------------|-----------------------|---------------|------------|
| | | Europeans. | Chinese. |
| Wilberforce Pump Co. | 1·75 | 8 | ... |
| Weld Tin Mine | 10·65 | 16 | ... |
| Native Youth | ... | 6 | ... |
| Other Moorina Claims | 1·80 | 5 | ... |
| Totals | 14·2 | 35 | ... |
| Straits Islands..... | ·4 | 10 | ... |
| <i>Totals for North-Eastern Division</i> | 467·45 | 647 | 64 |

EASTERN DIVISION.

| | Tin ore won. tons. | Men employed. | |
|------------------------------------------|-----------------------|---------------|------------|
| | | Europeans. | Chinese. |
| <i>Weldborough Mines.</i> | | | |
| Fancy Creek Co. | 5·3 | 8 | ... |
| Other Claims | 22·9 | 48 | 30 |
| Totals | 28·2 | 56 | 30 |
| <i>Lottah and Blue Tier Mines.</i> | | | |
| Anchor Mine..... | 28·55 | 144 | ... |
| Others | ·8 | 3 | 1 |
| Totals | 29·35 | 147 | 1 |
| <i>St. Helens Mines.</i> | | | |
| McAuliff | 6·25 | 3 | ... |
| A. Williams | ·35 | 2 | ... |
| J. C. Macmichael..... | ·10 | 1 | ... |
| J. Budgeon | ·70 | 2 | ... |
| J. Smith | ·70 | 2 | ... |
| C. Miller | 3·10 | 5 | ... |
| Others | 2·90 | 15 | ... |
| Totals | 14·10 | 30 | ... |
| <i>Avoca Mines.</i> | | | |
| Rex Hill | ·9 | 3 | ... |
| Gipp's Creek..... | 1·15 | 7 | ... |
| South Esk | 5·15 | 8 | ... |
| Foster's | 4·35 | 18 | ... |
| New Roy's Hill | 4·65 | 25 | ... |
| Story's Creek..... | 2·25 | 30 | ... |
| Totals | 18·45 | 91 | ... |
| <i>Totals for Eastern Division</i> | 90·10 | 324 | 31 |

NORTHERN AND SOUTHERN DIVISION.

| | Tin ore won. tons. | Men employed. Europeans. |
|-----------------------------|-----------------------|-----------------------------|
| Shepherd and Murphy Mine... | 13·5 | 33 |

WESTERN DIVISION.

| | Tin ore won. tons. | Men employed. Europeans. |
|-----------------------------|-----------------------|-----------------------------|
| Boulder | 11·75 | 29 |
| Renison Bell | 14·85 | 64 |
| Montana Tin Syndicate | 7·075 | 17 |
| Others..... | 20·225 | 106 |
| Totals | 53·900 | 216 |

Renison Bell Mine.—The Government Geologist reports:—In August I inspected the ground recently bored through at this mine from the end of No. 5 adit. A nearly horizontal bore (dipping only eight degrees) has been put in from the face in a direction S. 47° W. across the presumed continuation of the ore-body which was intersected in the railway cutting.

The pyritic lode and its associated pyritised slate form one strong ore formation 45 feet in width, and has been sampled by the company with an average assay result of 3·8 tin, and the bore just completed from No. 5 adit should pass entirely through this belt. In fact the first 200 feet of the bore ought to have traversed it. The assays of the cores for the first 160 feet however showed only an average tin content of 0·613 per cent., and therefore either the lode bears more to the west and has been missed by the bore or the metallic contents of the formation are extremely irregular, which indeed is very likely to be the case. Indeed it looks as if the No. 5 adit has just cut into the hanging wall of the railway-cutting lode and the first 55 feet of the bore averaging 0·705 per cent. tin, would thus correspond in position with the 45 feet section on the railway. It appears necessary now to bore the ground between this line and the railway-cutting. The formation should be proved by a couple of vertical or steeply inclined bores for 50 feet down to the level of No. 5 adit, which is the lowest working point attainable on the south side of the railway line. This shallow boring would indicate the ground immediately available, and the company can then proceed to deeper bores. A site for the next principal bore was selected by Mr. Ward near the magazine cuddy, higher up the hill, about 120 feet above the railway line. This is a good position for an exploratory bore, which, if the company desires, can be accompanied by shallower bores at points in the country between No. 5 and No. 6 adits.

The general manager (Mr. W. A. J. Briggs) states that the crude ore mined for the half-year ending 31st July, has been 10,300 tons and 49 tons of tin oxide were produced. The unit costs as furnished by the general manager have been for this period :—

| | | | |
|---------------|-------|-----|---------|
| | s. | d. | |
| Mining | 3 | 4½ | per ton |
| Milling | 3 | 10½ | „ |
| Haulage | 10 | | „ |
| | <hr/> | | |
| | 8 | 0½ | |
| | <hr/> | | |

The cost for this period has increased somewhat owing to the spell of dry weather, and also in consequence of an increased proportion of ore coming from the underground workings. The company's operations have been hampered by the prevailing shortage of labour, and on this account developmental work has been limited. The aerial tram to the mill was being constructed at the time of my visit, and the completion of this will set free the valuable reserves of ore disclosed in the workings on the north side of the river.

SILVER.

WEST COAST.—The registered output of silver ore in the Western Division for the quarter ending 30th September, 1912, is given below :—

| <i>Zeehan Mines :</i> | Ore. | Tons | Value. | Men. |
|-----------------------|----------------|---------|--------|------|
| Zeehan-Montana | galena | 344 | £7280 | 152 |
| Zeehan-Western | „ | 92·76 | 1698 | 32 |
| Zeehan-Queen | pyrites | 460 | 170) | 4 |
| Ditto | galena | 15 | 179 (| |
| Mt. Zeehan (Tas.) | „ | 61 | 2222) | 18 |
| Ditto | flux | 331 | 212 (| |
| Austral Valley | „ | 474·471 | 501 | 6 |
| Oonah | pyrites | 1432 | 787 | 32 |
| Block 10 | galena | 15 | 168 | 4 |
| Quigley's 3835 | „ | 8·321 | 1·3 | 3 |
| Section 901 | „ | 24·76 | 348 | 3 |
| Silver Queen Extd. | „ | 36·562 | 779 | 6 |
| <i>Dundas Mines :</i> | | | | |
| Adelaide | galena | 174 | 3049 | 41 |
| Hercules | sulphide..... | 7494·95 | 23,345 | 117 |
| Kapi | galena | ... | ... | ... |
| Zeehan-Dundas | „ | 92 | 2257 | 45 |
| Ring Valley | fall ore | 217·86 | 3117 | 18 |
| Comet | gossan | 4807 | 3869 | 30 |
| Bon Accord | galena | 25·58 | 261 | 3 |

| | Ore. | Tons. | Value. | Men. |
|----------------------------|----------------|------------|---------|------|
| <i>Rosebery Mines :</i> | | | | |
| Primrose | sulphide | 2817·75 | 10,866 | 25 |
| Metals Extraction Co. | | ... | ... | 85 |
| <i>Mt. Farrell Mines :</i> | | | | |
| N. Mt. Farrell | galena | 554·3 | 6600 | 113 |
| Murchison | | 5·26 | 63 | 5 |
| Sterling Valley | | ... | ... | 18 |
| <i>North Pieman :</i> | | | | |
| Chester Mine | pyrites | 3350 | 1305 | 41 |
| <i>Mt. Lyell :</i> | | | | |
| Tasman & Crown Lyell Extd. | | 118 | 700 | 20 |
| <i>Sundries :</i> | | | | |
| Dunkley Bros. | | ... | ... | 85 |
| Tasmanian Smelting Co. | | ... | ... | 320 |
| Total | | 22,951·574 | £69,959 | 1226 |

ZEEHAN DISTRICT.—*Zeehan-Montana Mine*—Mr. John Craze, manager, reports :—Exploratory work is being carried on at Nos. 4, 5, and 6 levels, and is confined to the finding and developing of No. 4 lode, south of the middle or south-east slide. Early in the month No. 4 lode was cut south of the slide, which seems to indicate that payable ore may be found in payable quantities in this part of the mine. We are now driving along the south-east slide and Nos. 6 and 4 levels for this same lode. We are also driving along the same slide to cut No. 1 lode at No. 5 level. Stopping is being carried on at Nos. 2, 3, 4, and 5 levels.

Zeehan-Western.—Mr. John Craze, manager, reports :—Exploratory work is being conducted at No. 2 level, south boundary shaft, by extending the east crosscut. We have just passed through No. 3 lode, which shows 3 inches of clean galena ore. The crosscut is being continued to cut No. 4 lode, which we hope to reach by the end of October. We are also driving No 3 tunnel at the main shaft. This work is for the purpose of cutting No. 5 lode. We have yet 150 feet to drive to reach the lode. Stopping is being carried on at the Tinto boundary shaft with fair results.

Mt. Zeehan (Tasmania) Silver-Lead Mines Limited.—Mr. T. Vincent, manager, reports :—During the quarter prospecting by trenching was done on a hill on Section 1665M, and resulted in the finding of a fairly promising lode. To further test the find a tunnel was driven into the hill, and has reached a distance of 67 feet. Owing to the hardness of the country rock, grey quartzite, progress has been slow. However, we hope to cut the lode within the next few feet. Tributing operations have been carried on, but without any discovery being made.

DUNDAS DISTRICT.—*Adelaide Mine.*—Mr. G. Ahern, manager, reports :—Crosscuts going east and west at the 270-foot level are still in very hard ground, and progress is slow. The ground in the western crosscut is slightly mineralised.

Ring Valley Mine.—Mr. John Moyle, agent, reports :—Our underground work has been confined to underhand stoping at the bottom level, north of shaft. The depth of stope is 11 feet, and the length is 122 feet. The ore produced comprises antimonial and leady sulphide, also copper pyrites. These different ores have been obtained from two distinct zones. The antimonial ore continued for 70 feet from shaft, and for the last 50 feet copper pyrites has obtained exclusively. Good values are apparently going down underfoot, which will encourage deeper exploitation in the near future.

MT. READ DISTRICT.—*Hercules Mine.*—Mr. C. H. Moxon, manager, reports :—For the quarter, ore deliveries to the Tasmanian Smelting Company have been continuous, the contract tonnage being practically delivered ; generally speaking the mine is in fair working order, and is in a position to provide all contract requirements. Developmental work has been attempted and carried on wherever possible when miners were available.

Tasmanian Smelting Company.—Mr. H. Harris, manager, reports :—Ore bought during the quarter, 13,035 tons, containing 1397 tons lead, 158,716 oz. silver, 1600 oz. gold. Exported, 1345 tons bullion, containing 1303 tons lead, 147,040 oz. silver, 1526 oz. gold.

NORTH-WESTERN DIVISION.

| | Tons. | Value. | Men. |
|------------------|-------|---------|------|
| Magnet Mine..... | 1034 | £12,946 | 240 |

NORTHERN AND SOUTHERN DIVISION.

| | Tons. | Value. | Men. |
|-----------------------|-------|--------|------|
| Round Hill Mine | 88.9 | £716 | 8 |

COPPER.

Mt. Lyell Mine.—Mr. Robert Sticht, general manager, reports :—

Ores and metal-bearing fluxes treated at Reduction Works :—

| | tons. | Dry Weight. | | |
|----------------------------------------------|--------|-------------|-----|-----|
| | | cwt. | qr. | lb. |
| Mt. Lyell Mine ore | 52,531 | 6 | 1 | 11 |
| North Lyell Mine ore | 32,081 | 15 | 0 | 25 |
| Purchased ore..... | 3 | 17 | 1 | 8 |
| Metal-bearing flux from North Lyell Mine ... | 26 | 2 | 3 | 2 |
| | 84,643 | 1 | 2 | 18 |

Number of men employed :—

| | |
|--------------------------------------------|-------------|
| At the Company's Mt. Lyell Mine | 349 |
| " " North Lyell Mine..... | 492 |
| " " Crotty Leases | 17 |
| | — 858 |
| " " Reduction Works..... | ... 770 |
| Railway Department—Mt. Lyell Railway | 130 |
| " " North Lyell Railway... | 17 |
| | — 147 |
| Total..... | <u>1775</u> |

Quantity and value of metal produced :—

Blister copper, 1832 tons, containing—

| | | | |
|-------------------------------------------|-----------------|----------|----------|
| Copper, 1811 tons, valued at..... | £147,415 | 8 | 0 |
| Silver, fine, 117,272 oz., valued at..... | 15,035 | 5 | 0 |
| Gold, fine, 2315 oz., valued at | 9838 | 15 | 0 |
| Total | <u>£172,289</u> | <u>8</u> | <u>0</u> |

The Inspector of Mines, Queenstown, reports as follows :—The Mt. Lyell Railway Company has under construction a most extensive hydro-electric scheme that will practically do away with all other methods of horizontal and rotary energy and propulsion. It is centred in what is known as the Lake Margaret scheme.

Lake Margaret is situated on an elevated basin between Mts. Gheike and Sedgewick. It is 2240 feet above the sea, and during normal conditions comprises an area of over 300 acres. Its watershed or catchment area is over 7 miles, with a rainfall of about 12 inches per annum. It is drained by the head water of the Yoland River, whose outlet from the lake may be increased some 20 feet in height in the form of a dam embankment, whose cost in proportion to the additional stored energy will be infinitesimal.

The reclamation of the site for the first unit or generating station is well in hand, and situated about $1\frac{1}{4}$ mile below or from the intake. It commands within this distance a fall of 1100 feet, which, with 100 Government sluiceways, will provide a surplus of power over and above the 3600 b.h.p. that is at present required by the company. The distribution of this excess is intended to be commercially utilised, and for that purpose a Bill is to be introduced into the Legislature to regulate its divergence and utility.

The completion of the scheme will probably occupy another 18 months, the past six having been taken up in providing means of communication by traction tram (railway) from the reduction works. Five miles of this have been completed, and the formation of another four, upon which platelaying has already begun, is well in hand, thus leaving

about a mile of scrubbing to be yet done, when both centres or outposts will be in direct communication. A sawmilling plant, adjacent to the power site, is underway, and the whole reflects great credit on the company for such a commendable undertaking. Apart from this initial factor and within a distance of two miles lower down the stream, another or second unit commanding a "400 feet static head," that under slightly altered conditions will produce a similar quantity of energy or horse-power by reusing the spent water, can be obtained, while on the opposite or eastern fall of Sedgewick a like, if not superior, power can be obtained from Lake Beatrice, which having a much more extensive catchment area with an almost direct fall of 400 feet towards the King River would or could provide another electrical installation of power, equal to that of Mount Margaret, for whomsoever may require it.

In connection with the development of this company's mines there is nothing special to mention. At the termination of the quarter normal extractions had been restored in both mines, with every probability of increasing, as the ore-bodies, particularly those going North towards the recently acquired Tasman Section of the late Lyell Comstock property, continued to open out satisfactorily. That permitted extended operations being done on these ore masses, which are chiefly composed of bornite, auguring well for the future; so that by the termination of the year, the yield of copper can be looked forward to as being appreciably increased.

Lyell Blocks:—The manager reports that shaft-work only has been done. Present depth is 1025 feet. Chamber constructed at 1000 feet level. Twenty-four men employed.

Dundas.—

| | Tons. | £ | Men employed. |
|--------------------------------------------------------------------------|-------|------|---------------|
| Griffith's Section (Mt. Zeehan (Gas.) Option)—Copper- nickel | 163 | 1141 | 18 |

NORTH-WESTERN DIVISION.

| | Tons. | £ | Men employed. |
|------------------------------|-------|------|---------------|
| Murray's Reward (Balfour)... | 361 | 2861 | 34 |
| Central..... | .6 | 5 | 3 |
| Others (estimated) (Balfour) | ... | ... | 100 |
| Jasper Co. (Heazlewood)..... | ... | ... | ... |
| Totals | 361.6 | 2866 | 137 |

NORTHERN AND SOUTHERN DIVISION.

| | Tons. | £ | Men employed. |
|------------------------|-------|-----|---------------|
| Mt. Mueller Mine | ... | ... | 6 |

COAL.

The output this quarter was 14,685 tons, against 14,686 tons the previous quarter. The output of the respective collieries was as follows:—

| Colliery. | Tons raised. | Value at mine. £ | Men employed. |
|-------------------------|---------------|---------------------|---------------|
| Cornwall Colliery | 5924 | 2666 | 65 |
| Mt. Nicholas „ | 8118 | 3653 | 78 |
| Enterprise „ | ... | ... | 2 |
| Spreyton „ | 279 | 195 | 5 |
| York Plains „ | 154 | 100 | 2 |
| Illamatha „ | 60 | 30 | 2 |
| Catamaran „ | 100 | 75 | 4 |
| Mt. Cygnet „ | 50 | 25 | 2 |
| Totals | <u>14,685</u> | <u>£6744</u> | <u>160</u> |

SHALE.

Four men were employed at the Railton-Latrobe Shale Oil Works.

BISMUTH.

The output of bismuth during the quarter was as follows:—

| | Tons. | £ | Men. |
|--------------------------------|------------|------------|------------|
| Shepherd and Murphy Mine | <u>1·8</u> | <u>410</u> | <u>...</u> |

WOLFRAM.

The output of wolfram during the quarter was as follows:—

| | Tons. | £ | Men. |
|--------------------------------|-------------|-------------|-----------|
| Avoca Mines..... | 7·25 | 746 | ... |
| Shepherd and Murphy Mine | 6·7 | 528 | ... |
| Gurr's Mine | 0·35 | 32 | 3 |
| Iris Mine | 1·1 | 138 | 3 |
| Lady Barron Mine | 0·6 | 60 | 4 |
| Totals | <u>16·0</u> | <u>1504</u> | <u>10</u> |

OSMIRIDIUM.

The output of osmiridium during the quarter was as follows:—

| | ozs. | £ | Men |
|-----------------------------|-------|-----|-----|
| Savage River District | 86·58 | 580 | 100 |

The following return shows the average number of men employed in or about the mines during the quarter ending 30th September, 1912:—

| District. | Europeans. | Chinese. | Total. |
|-----------------------------|------------|----------|--------|
| Northern and Southern | 530 | ... | 530 |
| North-Eastern | 651 | 64 | 715 |
| Eastern | 475 | 31 | 506 |
| North-Western | 1020 | ... | 1020 |
| Western | 3266 | ... | 3266 |
| Total | 5942 | 95 | 6037 |

Value of mineral output per man:—£72 19s. 8·77d.

Dividends paid by mining companies during quarter ending 30th September, 1912:—

| | £ | s. | d. | £ | s. | d. |
|---------------------------------------------|--------|-----|----|---------|----|----|
| From Copper Mines:— | | | | | | |
| Mt. Lyell Mining & Railway Co. Ltd. | | ... | | Nil | | |
| From Tin Mines:— | | | | | | |
| Mt. Bischoff Tin Mining Co. | 18,000 | 0 | 0 | | | |
| Pioneer Tin Mining Co. Ltd. | 8062 | 0 | 0 | | | |
| Arba Tin Mining Co. N.L. | | ... | | | | |
| S. & M. Syndicate | | ... | | | | |
| Briseis Tin and General Mining Co. Ltd. ... | 11,000 | 0 | 0 | | | |
| Aberroe Tin Mining Co. | 173 | 0 | 0 | | | |
| South Mt. Cameron Tin Mining Co. | 2000 | 0 | 0 | | | |
| | | | | 39,235 | 0 | 0 |
| From Coal Mines | | ... | | Nil | | |
| Total..... | | ... | | £39,235 | 0 | 0 |