

MININD1910-3

THE PROGRESS OF
THE MINERAL INDUSTRY
OF
TASMANIA

FOR THE QUARTER ENDING 30TH SEPTEMBER, 1910

COMPILED BY

W. H. WALLACE

SECRETARY FOR MINES

BY ORDER OF

THE HONOURABLE A. E. SOLOMON

MINISTER FOR MINES



Tasmania:

JOHN VAIL, GOVERNMENT PRINTER, HOBART

1910.



PROGRESS OF THE

MINERAL INDUSTRY OF TASMANIA.

FOR THE QUARTER ENDING 30TH SEPTEMBER, 1910.

Hobart, 16th November, 1910.

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, 1910, as compared with the previous quarter ending 30th June, 1910.

	During the Quarter ending 30th Sept., 1910.		During the Quarter ending 30th June, 1910.	
	Quantity.	Value.	Quantity.	Value.
		£		£
* Gold won oz.	8687·943	36,904	8013·697	34,040
Silver-lead Ore produced tons	20,545·35	72,219	10,130·88	67,986
† Blister Copper produced ..	1991	131,746	2086	138,821
Copper Ore and Copper produced	117·92	2790	156·5	4010
Tin Ore produced	1094·78	118,009	859·84	88,964
Coal raised	21,066	9858†	21,157	10,084‡
Wolfram Ore produced...	14·6	1675	13·9	1456
Bismuth	3·6	1444	1·75	700
Osmiridium oz.	...	...	120	530
	...	374,645	...	346,591

* 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, 3887·5 oz. of gold were obtained from quartz, 171·99 oz. from alluvial, 1911 oz. by means of the cyanide and chlorination processes, and 2760 oz. from blister copper from the Mt. Lyell Mining and Railway Company, Limited, valued at £36,904.

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 1909, and the previous quarter ending 30th June, 1910:—

	Gold obtained during the Quarter ending 30th September, 1910.						Totals corresponding Quarter, 1909.	Totals for Quarter ending 30th June, 1910.
	From Quartz.	Alluvial.	Cyanide & chlorination.	From Blister Copper.	From Silver-lead Bullion.	TOTAL.		
	oz.	oz.	oz.	oz.	oz.	oz.	oz.	oz.
Beaconsfield	3571	...	1666	...	...	5237	3477	4556·5
Mathinna ...	316·5	...	70	...	...	386·5	700	337
Mt. Victoria	}	27·24	...	...	...	27·24	131·5	58·33
Warrentinna								
Mt. Cameron	...	...	175	...	...	175	324	166
Lefroy .....	...	...	...	...	...	...	...	...
Lisle	}	75	...	...	...	75	86·5	20
Lilydale								
Golconda ...	...	...	...	...	...	...	...	...
West Coast.	...	69·75	...	2760	...	2829·75	5471	2912
TOTALS	3887·5	171·99	1911	2760	...	8730·49	...	...
Totals corresponding Quarter, 1909.....	3788	229·5	702·5	3862	1608	...	10,190	...
Totals for Quarter ending 30th June, 1910.....	2988·5	78·33	2071	2912	...	...	...	8049·83

Value, £36,904; equal to 8,687·943 oz. fine gold.

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

	Gold produced.	Men employed.
	oz.	
Tasmania Mine	5237	529
Moonlight-cum-Wonder .....	...	2
Total.....	5237	531

Tasmania Mine.—Seventeen thousand and seventeen tons of quartz crushed, and 5237 oz. of gold obtained (by amalgamation and cyanide process), which makes a total of 864,247 tons quartz crushed, and 759,824 oz. gold obtained since the mine was first started. Hart shaft has been sunk to the 1370-foot level, and the sinking of Grubb shaft has been extended to 1500 feet below surface.

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

	Gold produced. oz.	Men employed.
Creek Cyanide	108	12
New Pinafore.....	67	5
Total	<u>175</u>	<u>17</u>

LISLE, GOLCONDA, &C.—Seventy-five ounces of gold have been won from these fields. Thirty-one men have been employed.

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

	Standard Gold. oz.
Dorset Dredge	5·85
S. Mt. Cameron T.M. Co.	9
Briseis Co.	11·34
New Brothers' Home No. 1 Co.	1·05
Total	<u>27·24</u>

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

	Quartz crushed. tons.	Sand treated. tons.	Gold produced. oz.	Men.
New Golden Gate	464	1100	321·5	36
Golden Horseshoe... ..	788	...	65	15
Totals	<u>1252</u>	<u>1100</u>	<u>386·5</u>	<u>51</u>

WEST COAST.—Mr. Inspector Curtain reports:—

Gold.—*Davie P.A.*—Prospecting work continues on this show, in addition to which attention in a similar direction is followed by the same prospectors on the old May Mine, with three men.

Alluvial.—Mr. F. O. Henry reports that at his Gormanston and Queenstown branches 69 oz. 15 dwt. of gold has been purchased, which has provided employment for 12 men.

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	10·8	1174	44	...
North-Eastern Division	517·85	58,242	643	87
Eastern Division	123·2	13,012	336	32
North-Western Division	326·5	33,753	444	...
Western Division	116·43	11,828	215	...
Totals.....	1094·78	118,009	1684	119

NORTH-WESTERN DIVISION.

The output has been as under:—

	Ore won. tons.	Men employed.
Mt. Bischoff	270	365
Mt. Bischoff Extended	54	75
Weir's Bischoff Surprise.....	2·5	4
Totals.....	326·5	444

NORTH-EASTERN DIVISION.

PIONEER AND GLADSTONE DISTRICTS:—

	Tin ore won. tons.	Men employed. Europeans. Chinese.	
Pioneer Tin Mine	106	95	...
Aberroe	9·5	12	...
Argus Tin Mine.....	5·35	16	...
South Mt. Cameron	24	40	...
Dorset	4·5	16	...
Pioneer Extended	3·45	10	...
Garibaldi.....	8·6	16	4
Other Claims	67·65	113	56
Totals.....	229·05	318	60

RINGAROOMA DISTRICT:—

	Tin ore won. tons.	Men employed. Europeans. Chinese.	
Various Claims.....	4·1	20	2

DERBY DISTRICT:—

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Briseis Tin Mines.....	139	158	...
New Brothers' Home, No. 1....	...	5	...
Clyde	2.15	2	...
Waverley	3	...	6
Other Derby Claims	5.55	16	9
Total	149.7	181	15

BRANXHOLM DISTRICT:—

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Arba Tin Mine	65	38	...
New Ruby Flat	25	24	...
Other Claims	7.8	10	10
Total	97.8	72	10

MOORINA DISTRICT:—

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Wilberforce Pump Co.	5.85	9	...
Weld Tin Mine	9.45	8	...
Native Youth	6.5	7	...
Banca	6.5	9	...
Abbotsford	2.45	6	...
Other Moorina Claims	6.45	13	...
Total... ..	37.2	52	...
<i>Total for North-Eastern Division</i>	<i>517.85</i>	<i>643</i>	<i>87</i>

EASTERN DIVISION.

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
<i>Weldborough Mines.</i>			
Fancy Creek Co.	5.8	8	...
Bryce Bros.	5.9	5	...
Other Claims	19.1	39	30
Total	30.8	52	30

EASTERN DIVISION—*continued.*

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
<i>Lottah and Blue Tier Mines.</i>			
Anchor Mine	54.5	146	...
Emu	2.5	4	...
Poimena Claims	2.2	18	2
Total	59.2	168	2
<i>St. Helens Mines.</i>			
C. Miller	1.65	4	...
A. Williams	2.60	9	...
J. C. Macmichael	2.95	8	...
G. Briggs	1.05	3	...
J. Smith	1.4	3	...
Others	4	17	...
Total	13.65	44	...
<i>Avoca Mines.</i>			
Storey's Creek Claims	3.20	30	...
Mt. Rex	6.60	18	...
Gipp's Creek .....	.30	12	...
S. Esk	6.35	5	...
Foster	3.10	7	...
Total	19.55	72	...
<i>Total for Eastern Division</i>	<i>123.2</i>	<i>336</i>	<i>32</i>

Fancy Creek Tin Sluicing Syndicate.—Mr. Fred. Walker, manager, reports:—During this quarter have been carrying on sluicing operations in three faces, viz.:—

Gould's Face.—Seventy feet deep; sluicing on belt of tin-bearing leaders; 4 men employed.

No. 3 Face.—Thirty feet deep; sluicing on belt of tin-bearing leaders; 5 men employed.

No. 1 Face.—This is an alluvial face composed of surfacing, averaging 3 feet in depth; 2 men employed.

Also a raceman employed as caretaker on the water-races.

NORTHERN AND SOUTHERN DIVISION.

	Tin ore won. tons.	Men employed. Europeans.
Shepherd and Murphy Mine ...	10.8	46

WESTERN DIVISION.

	Tin ore won. tons.	Men employed. Europeans.
Boulder	19.5	24
Renison Bell	45.5	57
Montana Tin Syn.....	23.97	37
Mayne's.....	2.16	5
Others	25.3	92
Total	<u>116.43</u>	<u>215</u>

Boulder Tin Mine.—Mr. E. Flight, manager, reports:—During the quarter just ended a good deal of prospecting and development work has been done. As a result of this, a large body of payable ore has been opened up. The larger part of the ore-bodies can be mined by open-cuts, and delivered to the battery at a small cost. A tramway is being put in from the Emu Bay Railway, and the contractors have completed over 1 mile of tram; the balance, 40 chains, will be completed to the new mill-site in a few weeks, and machinery and timber will then be delivered to the new mill-site, which is to be a 10-head battery; and the work of erection will be pushed on as fast as possible.

SILVER.

WEST COAST.—The registered output of silver ore in the Western Division for the quarter ending 30th June, 1910, is given below:—

Zeehan Mines:

	Ore.	Tons.	Value.	Men.
Mt. Zeehan, Tas.	flux	844	£327	32
"	galena	75	1197	
Zeehan-Montana	"	745	13,694	154
Zeehan-Western	"	188.8	3841	32
Zeehan-Queen	" .....	...	...	4
Florence	"	214	3220	60
Austral Valley	flux	969	33.9	4
T. L. E.	...	...	...	8
Oonah	stannite	9157	14,388	270
"	galena	14.6		
"	matte	567		
South Comstock, Block 10	galena	40	100	32
Queen Extended	"	21	273	4

Dundas Mines:

Adelaide	"	14.85	216	2
Hercules	zinc-blende	2112	4795	38
Comet	gossan	6	153	4
Mt. Zeehan, Tas.	...	...	...	25
Ring Valley	...	...	...	4
Mt. Read	...	...	...	2

<i>Rosebery Mines :</i>	Ore.	Tons.	Value.	Men.
Tasmanian Copper	zinc-blende	210	2890	14
Primrose	... ..	...	...	8
N. Tasmanian Copper	... ..	...	...	5
<i>Mt. Farrell Mines :</i>				
Mackintosh	galena .....	...	...	2
N. Mt. Farrell	"	630	5923	104
<i>North Pieman :</i>				
Chester Mine	pyrites	2573·5	1023	45
<i>Mt. Lyell :</i>				
Tasman & Crown Lyell	... ..	...	...	13
<i>Sundries :</i>				
Others .....	...	...	...	107
Total		18,381·75	£52,369	973

WESTERN DIVISION.

Mr. Inspector Harrison reports:—

Zeehan-Western.—The prospects of this mine are steadily improving, and it is more than probable the manager may find it to his advantage to unwater it to No. 5 level.

Zeehan-Tasmania.—A few small tribute parties are working above water-level.

Zeehan-Dundas.—Known as the Five-mile. During the quarter a boiler and hoisting plant has been erected, and everything got ready for sinking the main shaft 100 feet below the adit level, with the aid of steam pumps; but the water is very heavy, and I am afraid progress will be slow.

Oonah.—About 60 tons of stannite per day is delivered to the smelters. Some favourable developments have taken place lately in both north and south workings. Arrangements are being made for the sinking of the shaft a further depth of 150 feet, for which the use of the Government air-compressing plant has been obtained. The mines and smelters find employment for 300 men, including wood-cutters and flux-getters.

Florence.—This mine is keeping up a good output of ore, but the water difficulty is the trouble, and prohibits any further prospecting, as the more ground that is opened up the heavier the water becomes, and the pumps are running quite up to their limit. Between pumping and baling over 60,000 gallons per hour are dealt with. No doubt the exceedingly wet weather we are experiencing has a good deal to do with it

Comstock, Block 10 (late South Comstock).—So far the work done has been disappointing, but the manager has yet some distance to drive before he gets under the shoot of ore so profitably worked by the previous company.

T.L.E.—The tributors in this mine have had a long, expensive struggle with the water difficulty, but with increased pumping power (driven by water) the mine has been unwatered. As there is good ore in sight, the prospect for the present quarter is much brighter.

DUNDAS.—Comet.—Pending the restarting of the smelters the mine is pretty well at a standstill. One small parcel of ore has been sent away.

Adelaide and Anderson's.—The same applies to both these mines.

MT. FARRELL.—North Farrell.—This mine keeps up its output. There has lately been a considerable increase in the value of the ore in the bottom of No. 5 level. Assays up to over 100 oz. of silver have been obtained. Over 100 men are employed.

Mackintosh.—Work done during the quarter has only been of a prospecting character. The mine is well worthy of the necessary capital to properly equip it with a good plant and open up a deeper level. Good ore has been obtained right up to the northern boundary of the North Farrell Mine.

Mt. Farrell.—In the Mt. Farrell Mine a little work is going on.

Murchison.—Is idle at present; same applies to Thomas' Blocks. I understand the Stirling Valley Mine is soon to be at work again.

NORTH PIEMAN.—Chester.—This mine is being worked in the interest of the Mt. Lyell superphosphate works. The output is about 200 tons per week at present, but the supply is simply unlimited.

Several small shows have closed down until smelting is resumed.

ROSEBERY.—Copper Company.—The company is confining its operations to the exporting of zinc-blende. The mine is well opened up, and in a position to send out a heavy output of sulphide ore when called on.

Primrose.—Idle at present, but have abundance of ore in sight.

N. Copper.—Idle at present, but have abundance of ore in sight.

Tasmanian Metals Extraction Company.—Extensive works are in progress of erection at Rosebery. About 60 men are employed on them. It is expected it will be ready to start early in the coming year.

Zeehan-Montana.—Mr. J. Craze, manager, reports:—

No. 1 Shaft.—The work of driving and stoping is being carried out north of the shaft, on No. 2 lode, at Nos. 2, 3, 4, and 5 levels. These drives are now well into the late Tas. Silver Crown portion of the company's property. Communications have

been made with the air-shaft, and the ventilation in the extreme northern working is good. The lodes in the end are all productive, and it appears that the prospects are more encouraging than for some time past.

Zeehan-Western.—Mr. John Craze, manager, reports:—

No. 1 Shaft.—The work of driving and stoping is being continued at this shaft above water-level, and this work is producing sufficient ore to a little more than meet expenses.

The New Lode, South Boundary.—The north drive on this lode has been driven a total of 144 feet from the Prospect shaft. The lode in the end is 2 feet wide, producing payable ore. The output from all points is about 55 tons of first-class galena ore and concentrates per month; average assay value, 68 per cent. lead and 100 oz. silver per ton.

Queen Extended.—Mr. W. Fisher, manager, reports:—Featherstone is still winning good ore from Block 7. The lode is 12 inches wide, of which 8 inches is marketable. The shoot of ore is only 48 inches in length, but very regular in size and quality. He has some 12 months' ore in sight at his present output. Owing to the closing of local smelters tributing is just now at a discount, but we are hoping for an early resumption of smelting, when mining generally must improve.

N. DUNDAS DISTRICT.—*Ring Valley Mine.*—Mr. W. J. Moyle, manager, reports:—The Ring Valley Mine was closed down for nine months, and was reopened again on 24th August, 1910. Since then a rise was put up above the No. 2 level, and connected with the surface, for ventilation purposes; total length of rise, 207 feet. Preparations are now in hand for continuing sinking the shaft below No. 1 level, which is already 60 feet deep, and 12 inches by 4 inches in the clear.

MT. REID DISTRICT.—*Hercules Mine.*—Mr. Claude H. Moxon, manager, reports:—Two thousand one hundred and twelve tons of zinc-blende ore have been produced during the quarter, and exported to Europe. The whole of this quantity has been won from the "E" ore-body, where all the stopes have been operated upon. Not very much exploratory work has been attempted, and consequently have no development of any importance to record. The usual surface works have been satisfactorily carried out, and the Williamsford mill continued in operation for the whole period.

Tasmanian Metals Extraction Company, Limited, Rosebery.—Mr. G. S. Evans, manager, reports:—The following is an outline of general progress made:—

Excavations Completed.—Excavations for crushing rolls and push conveyor, 1st unit; excavations for secondary crushers and dryers, 2nd unit; excavations for stone building; excavations for

flues for dryers; excavations for fine ore-bin; excavations for high-speed engine at power-station. Excavations for the remaining units are being taken out as rapidly as possible. Secondary crusher and dryer-house, 1st unit, is complete. Foundations for 12 furnaces, complete.

Furnaces.—Two furnaces complete, two well on the way, and two more are in hand.

Power-station.—The site for this plant has been cleared, and most of the machinery is actually on the ground. Two Babcock and Wilcox boilers have been ordered, making the heavy part of the power-plant complete. The erection of buildings and machinery will be carried out with all possible speed. The template is set and the concrete for engine foundation is being put in.

No. 1 Ore-bin.—A bin to hold 250 tons has been erected to feed secondary crushers (1st unit).

Sawmill.—A sawmill has been installed to cut timber for buildings, &c. It has been running satisfactorily for some time.

Hauling Engine.—This has been set in place. Stores, &c., are transported to site from siding on 24-inch gauge track; the hauling engine is used for this purpose. A vertical Robey engine for driving saw, and dynamo for lighting, is set in place, also a 16 nominal horsepower vertical power for supplying power to these engines. The small electric light set is complete. This will supply light during construction.

Buildings Completed.—Manager's house; housing for sawmill, Tangye engine, boiler, and hoist.

Buildings in Course of Erection.—Store (most of the framework finished); carpenters' shop, ditto; power-house.

The general progress has been good. We are in a position to go straight ahead with the erection of the plant, which, I understand, is now on the way from England. The bulk of the work done lately has been in preparing site for the reception of the three units that are to follow the completion of first unit. This work is of such a character that little showing is made for the amount expended, as compared with what it will be when same amount is spent on actual erection work. Number of men employed on works at date 70. Everything is running smoothly, and I am looking forward to arrival of machinery shortly.

MT. LYELL DISTRICT.—Mr. Inspector Curtain reports:—

The Tasman and Crown Lyell Extended.—Mr. H. E. C. Brook reports:—The mine restarted work in the end of July. The work has consisted chiefly of shaft-sinking to a depth of 126 feet. Developmental work is being continued, and a good silver-lead lode discovered, but no ore has been exported; 13 men employed.

MT. FARRELL DISTRICT.—*Mackintosh Mine.*—Mr. J. Geddes, manager, reports:—Since last report work has been confined to

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prospecting on No. 2 and No. 3 lodes; No. 2, 3 feet wide, 2 feet milling ore; No. 3 lode, 2 feet wide, with a small amount of first-class ore on footwall.

NORTH-WESTERN DIVISION.

	Tons.	Value.	Men.
Magnet Mine.....	2155	£19,799	165
Long Tunnel	8.6	51	18
	<u>2163.6</u>	<u>19,850</u>	<u>183</u>

Magnet Mine.—Mr. E. A. De Lautour, manager, reports:—

Tramways.—Two thousand one hundred and fifty-five tons have been hauled over our line, portion going to New South Wales, and the remainder to Europe.

Mill.—Five hundred and sixty-one tons of concentrates were produced, assaying 115 oz. silver and 40 per cent. lead.

Mine.—Developmental work is progressing satisfactorily at No. 9 level, where the lode was cut some months ago.

The major part of our ore requirements is being drawn from Nos. 7 and 8 levels.

NORTHERN AND SOUTHERN DIVISION.

	Tons.	Value.	Men.
Devon Mine	4

COPPER.

Mt. Lyell Mine.—Mr. Robert Sticht, general manager, reports:—The ores and metal-bearing fluxes treated during the quarter ending 30th June, 1910, were as follow:—

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

	tons.	Dry weight.		
		cwt.	qr.	lb.
Mt. Lyell Mine ore	62,830	9	1	15
North Lyell Mine ore	34,950	17	1	6
Purchase ore	22	6	3	11
	<u>97,803</u>	<u>13</u>	<u>2</u>	<u>4</u>

Quantity and value of metal produced:—

	£	s.	d.
Blister Copper, 1991 tons, containing —			
Copper, 1967 tons, valued at	113,928	12	9
Silver, fine, 160,578 ozs., valued at	17,817	9	4
Gold, fine, 2760 ozs., valued at	11,730	0	0
Total.....	<u>£143,476</u>	<u>2</u>	<u>1</u>

Number of men employed :—

At the Company's	Mt. Lyell Mine	369
"	" North Lyell Mine.....	407
"	" Lyell Tharsis Mine.....	4
"	" Crotty.....	14
		— 794
"	" Reduction Works.....	... 871
Railway Department—	Mt. Lyell Railway	137
"	" North Lyell Railway...	17
		— 154
	Total.....	1819

Mr. Inspector Curtain reports :—

Mt. Lyell Mining and Railway Company's Groups.

Mt. Lyell Mine.—Extractions continue from the open-cut, which are being steadily augmented by supplies from underground, that from this henceforth will increase.

North Lyell Mine and Tharsis.—Apart from the 600-foot level, production continues more or less from all the others, the principal supplies being from below the 700 feet, while the ore reserves have not diminished during the quarter.

Lyell Blocks Copper Mines.—Mr. Robert Ferguson reports :—The work consisted of cutting a chamber in the Consols adit, for a winding-engine, being a double 12-inch cylinder for winding from the main shaft, which has been started to cut the North Lyell lode. Size of shaft, 12 feet 6 inches by 6 feet 6 inches in the clear; engine to be driven by air generated by two compressors 4000 feet from the face, which is connected the whole distance with 4-inch main pipes. The cages to be used are 6 feet by 2 feet 7 inches, which will haul two trucks at a time, end on; 20 men employed.

Lyell Consols Copper Mine.—Mr. J. W. Carroll reports :—The development work for the period was the driving of 468 feet, rising 238 feet, and crosscutting 52 feet. The ore produced was 4200 tons returning 57 tons 18 cwt. 2 qr. 6 lb. of concentrates, valued at £1950. The average number of men employed to the date of closing down (10/9/10) was 80.

Mt. Lyell Comstock Copper Company.—Mr. Charles E. Coote reports that 114 feet of driving and 88 feet of crosscutting has been done, with 15 men.

Darwin Prospecting Syndicate.—Mr. James Souter reports the extension of contact drive a further distance of 55 feet with prospects much similar, as previously reported; also a small amount of surface prospecting has been done, with two men.

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NORTH-WESTERN DIVISION.

	Tons.	£	Men employed.
Murray's Reward	60	840	34
Mt. Jasper	14
Others (estimated) .....	...	...	50
	<u>60</u>	<u>840</u>	<u>98</u>

HEAZLEWOOD DISTRICT.—*Mt. Jasper Mine*.—Mr. M. J. O'Bryan, manager, reports:—Six hundred feet of development work, consisting of tunnelling, rising, and sinking, has been carried out during the quarter, both on copper lode and for the purpose of intersecting same at deeper levels. Lode, where exposed, averages about 16 feet in thickness.

COAL.

The output this quarter was 21,060 tons, against 21,157 tons the previous quarter. The output of the respective collieries was as follows:—

Colliery.	Tons raised.	Value at mine.	Men employed.
Cornwall Colliery	9119	£4104	80
Mt. Nicholas "	8801	3960	79
Enterprise "	60	25	3
Spreyton "	363	236	9
Ilamatha "	59	29	2
York Plains "	259	168	2
Mount Cygnet "	206	137	2
Wallsend "	1968	1098	64
Ida Bay "	20	10	4
Colebrook "	217	91	7
Total	<u>21,066</u>	<u>£9858</u>	<u>252</u>

BISMUTH.

The Shepherd and Murphy Company obtained 3·6 tons of bismuth from its tin ore, valued at £1444.

WOLFRAM.

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

	Tons.	£	Men.
Avoca Mines.....	9·30	1067	...
Shepherd and Murphy Mine	5·30	608	...
	<u>14·6</u>	<u>1675</u>	<u>...</u>

The following return shows the average number of men employed in or about the mines during the quarter ending 30th September, 1910:—

District.	European.	Chinese.	Total.
Northern and Southern	719	...	719
North-Eastern	643	87	730
Eastern	549	32	581
North-Western	725	...	725
Western	3139	...	3139
Total	5775	119	5894

Value of mineral output per man:—£63 11s. 3·31d.

Dividends paid by Mining Companies during the quarter ending 30th September, 1910:—

	£	s.	d.	£	s.	d.
From Copper Mines:—						
From Tin Mines:—				Nil.		
Mt. Bischoff T.M. Co., Registered.....	9000	0	0			
Briseis Tin and General Mining Co., Ltd....	15,000	0	0			
New Ruby Flat T.M. Co., N.L.	609	0	0			
				24,609	0	0
Total .....			..	£24,609	0	0