

MININD1911\_4

THE PROGRESS OF  
THE MINERAL INDUSTRY  
OF  
TASMANIA

FOR THE QUARTER ENDING 31st DECEMBER, 1911

COMPILED BY

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Tasmania

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1912



PROGRESS OF THE  
**MINERAL INDUSTRY OF TASMANIA,**  
 FOR THE QUARTER ENDING 31st DECEMBER, 1911.

Hobart, 22nd February, 1912.

The following table shows, as far as can be ascertained, the quantities and values of metals and minerals raised during the quarter ending 31st December, 1911, as compared with the previous quarter ending 30th September, 1911:—

	During the Quarter ending 31st Dec. 1911.		During the Quarter ending 30th Sept, 1911.	
	Quantity.	Value.	Quantity.	Value.
		£		£
* Gold won ..... oz.	5108·852	21,701	8073·965	34,296
Silver-lead Ore produced tons	21,144·125	85,754	22,033·46	86,997
† Blister Copper produced ..	...	...	1706	110,019
Copper Ore and Copper produced..... "	463	3241	577	4435
Tin Ore produced..... "	1036·82	138,275	1037·45	131,594
Coal raised..... "	13,410	6143†	16,050	7395‡
Wolfram Ore produced... "	19·84	2183	15·71	1855
Bismuth..... "	3·09	1236	3·46	1384
Shale..... "	...	...	...	...
Osmiridium ..... oz.	233·38	1635	38·5	253
	...	260,168	...	378,228

\* 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 3019·05 oz. gold were obtained from quartz, 178·46 oz. from alluvial, 1931·65 oz. by means of the cyanide and chlorination processes, valued at £21,701.

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 1910, and the previous quarter ending 30th September, 1911 :—

	Gold obtained during the Quarter ending 31st December, 1911.					TOTAL.	Totals corresponding Quarter, 1910.	Totals for Quarter ending 30th Sept., 1911.
	From Quartz.	Alluvial.	Cyanide & chlorination.	From Blister Copper.	From Silver-lead Bullion.			
	oz.	oz.	oz.	oz.	oz.	oz.	oz.	
Beaconsfield	2982	...	1860	...	...	4842	6050	5259
Mathinna ...	10	...	71·65	...	...	81·65	427	71·5
Mt. Victoria	}	96·86	...	...	...	96·86	24	75·75
Warrentinna								
Mt. Cameron	}	...	...	...	...	...	144	9·75
Lefroy .....								
Lisle .....	}	32	...	...	...	32	86·5	66
Lilydale.....								
Golconda ...	...	...	...	...	...	...	...	...
West Coast.	27·05	49·6	...	...	...	76·65	2538	2613·58
TOTALS	3019·05	178·46	1931·65	...	...	5129·16	...	...
Totals corresponding Quarter, 1910.....	4328·5	162	2295	2484	...	...	9269·5	...
Totals for Quarter ending 30th Sept., 1911.....	3189·25	155·33	2151	2600	...	...	...	8095·58

Value, £21,701 ; equal to 5108·852 oz. fine gold.

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

	Gold produced.	Men employed.
	oz.	
Tasmania Mine .....	4842	454

*Tasmania Mine.*—Eleven thousand six hundred and ninety-three tons of quartz crushed, and 4842 oz. of gold obtained (by amalgamation and cyanide process), which makes a total of 929,504 tons quartz crushed, and 787,200 oz. gold obtained since the mine was first started.

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

	Gold produced. oz.	Men employed.
Creek Cyanide .....	...	...
New Pinafore .....	...	2
Others .....	...	...
Total.....	...	2

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

ALBERTON. Forty-three ounces were obtained from this district by 7 men.

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

	Standard Gold. oz.
South Mt. Cameron Dredge .....	7
S. Mt. Cameron T.M. Co. ....	19·25
Briseis Co. ....	27·61
Total .....	53·86

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

	Quartz crushed. tons.	Sand treated. tons.	Gold produced. oz.	Men.
New Golden Gate .....	...	45	71·65	3
Golden Horseshoe ... ..	10	...	4	1
Others .....	10	...	6	18
Totals.....	20	45	81·65	22

WEST COAST.—*McDowell Prospecting Association, Linda Valley.*—Mr. M. Cunningham, secretary, reports :—Main drive extended 11 ft., total now driven, 120 ft. East drive extended 12 ft.; total now driven, 62 ft. North-west crosscut, off east drive, driven 33 ft.; north-west crosscut, No. 2 drive, driven 16 ft. Winze sunk from north-east drive approximately 3 ft.; rise from north-east drive up 25 ft. Gold won, 17 oz. Men employed, 2.

*Elliott P.A., Specimen Creek, Lynchford.*—During the quarter ending December 31, 1911, we have been engaged rising from No. 2

level, on the reef, a distance of 20 ft. At this point we connected with underlie shaft, in all 85 ft. from surface, and timbered throughout. Stopped north-west of shaft 20 ft. x 12 ft. Block produced 9 tons of quartz, value 5 dwts. per ton; also crushed a four-ton sample from No 1 level, value 9 dwts. per ton. Two tons picked specimens, 3 oz. per ton. Total amount crushed, 15 tons for 10 oz. 1 dwt. gold (retorted). Two men employed.

*Alluvial.*—Mr. Charles L. C. Nicholson reports that he has purchased 49·6 ozs. Thirty-two men employed.

## 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	13·29	1329	44	...
North-Eastern Division .....	505·85	69,794	629	65
Eastern Division .....	120·80	16,376	296	40
North-Western Division .....	326·63	42,289	398	...
Western Division .....	70·25	8487	223	...
Totals .....	1036·82	138,275	1590	105

## NORTH-WESTERN DIVISION.

The output has been as under:—

	Ore won. tons.	Men employed.
Mt. Bischoff .....	280	309
Mt. Bischoff Extended .....	37·3	80
Weir's Bischoff Surprise.....	6·95	6
Wombat .....	2·98	3
Totals.....	326·63	398

## NORTH-EASTERN DIVISION.

PIONEER AND GLADSTONE DISTRICTS:—

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Clifton .....	39	20	...
Pioneer Tin Mine .....	120	90	...
Aberroe .....	4·65	9	...
South Mt. Cameron .....	28·50	38	...
Garibaldi.....	6·75	12	1
C. A. MacDonald.....	12·50	15	...
South Mt. Cameron Dredge...	4·75	18	...
Other Claims .....	36·70	79	44
Totals.....	252·85	281	45

## RINGAROOMA DISTRICT:—

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Federal .....	2·45	4	...
Bell's Hill.....	1·50	4	...
Chorley Bros. ....	2·60	2	...
Other Claims .....	3·05	21	..
Totals.....	9·60	31	...

## DERBY DISTRICT:—

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Briseis Tin Mines .....	142	150	...
Clyde .....	1·95	3	...
Waverley .....	4·75	8	...
Other Derby Claims .....	3·70	15	7
Totals .....	152·40	176	7

## BRANXHOLM DISTRICT:—

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Arba Tin Mine.....	47	52	...
New Ruby Flat .....	8	15	...
Other Claims .....	7·70	23	10
Totals.....	62·70	90	10

## MOORINA DISTRICT:—

	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Wilberforce Pump Co. ....	12·00	11	...
Weld Tin Mine .....	6·55	12	...
Native Youth .....	4·15	9	...
New Banca.....	·50	7	...
Other Moorina Claims .....	3·10	12	3
Totals .....	26·30	51	3
Straits Islands .....	2	...	...
<i>Totals for North-Eastern Division .....</i>	<i>505·85</i>	<i>629</i>	<i>65</i>

## EASTERN DIVISION.

<i>Weldborough Mines.</i>	Tin ore won. tons.	Men employed.	
		Europeans.	Chinese.
Fancy Creek Co. ....	3·50	9	...
Other Claims .....	21	38	35
Totals.....	24·50	47	35

EASTERN DIVISION—*continued.*

<i>Lottah and Blue Tier Mines.</i>	Tin ore won.	Men employed.	
	tons.	Europeans.	Chinese.
Anchor Mine .....	49·75	140	...
Emu Tribute .....	...	...	...
Others .....	2·5	6	5
<b>Totals.....</b>	<b>52·25</b>	<b>146</b>	<b>5</b>
<i>St. Helens Mines.</i>			
J. M'Auliff .....	6·00	3	...
A. Williams .....	0·80	5	...
J. C. Macmichael .....	0·70	3	...
J. Budgeon .....	1·65	5	...
J. Smith .....	0·90	2	...
C. Miller .....	2·25	5	...
Others .....	4·40	16	...
<b>Totals.....</b>	<b>16·70</b>	<b>39</b>	<b>...</b>
<i>Avoca Mines.</i>			
Rex Hill .....	2·10	6	...
Gipp's Creek.....	6·25	7	...
S. Esk .....	5·05	5	...
Foster.....	1·90	6	...
New Roy's Hill .....	12·05	40	...
<b>Totals.....</b>	<b>27·35</b>	<b>64</b>	<b>...</b>
<b>Totals for Eastern Division</b>	<b>120·80</b>	<b>296</b>	<b>40</b>

## NORTHERN AND SOUTHERN DIVISION.

	Tin ore won.	Men employed.
	tons.	Europeans.
Shepherd and Murphy Mine...	13·29	44
Lady Barron Mine .....	...	6
<b>Totals.....</b>	<b>13·29</b>	<b>50</b>

## WESTERN DIVISION.

	Tin ore won.	Men employed.
	tons.	Europeans.
Boulder .....	12	22
Renison Bell .....	30	64
Montana Tin Syn.....	10·3	17
Others .....	17·95	120
<b>Totals.....</b>	<b>70·25</b>	<b>223</b>

## SILVER.

WEST COAST.—The registered output of silver ore in the Western Division for the quarter ending 31st December, 1911, is given below:—

<i>Zeehan Mines:</i>	Ore.	Tons.	Value.	Men.
Zeehan-Montana	galena .....	509	£7247	150
Zeehan-Western	„ .....	137	2270	43
Ditto	gossan .....	100	25	
Zeehan-Queen	galena .....	14·75	212	6
Mt. Zeehan (Tas.)	„ .....	881	1479	20
Oonah	pyrites .....	...	...	3
South Comstock	} „ .....	77·25	720	12
Block 10				
Tasmanian Smelting Co.'s Sections	„ .....	9·575	216	4
Kynance	„ .....	...	...	2
<i>Dundas Mines:</i>				
Penzance	„ .....	...	...	14
N. Jupiter	„ .....	...	...	4
Adelaide	galena .....	240	3043	35
Hercules	zinc-blende .....	1249	3529	110
Ditto	sulphide.....	6456	21,883	
Kapi	galena .....	17·85	135	2
Mt. Zeehan, Tas.	„ .....	360	6480	42
Ring Valley	fahl ore .....	147	1470	16
Comet	gossan .....	5087	3952	34
Ditto	chlorides.....	3·45	87	
<i>Rosebery Mines:</i>				
Tasmanian Copper	„ .....	...	...	...
Primrose	sulphide .....	2205	7604	25
Metals Extraction Co.	„ .....	...	...	...
<i>Mt. Farrell Mines:</i>				
Mackintosh	galena .....	...	...	...
Mt. Farrell	„ .....	...	...	...
N. Mt. Farrell	„ .....	705	7400	99
<i>North Pieman:</i>				
Chester Mine	pyrites .....	1140·25	463	39
<i>Mt. Lyell:</i>				
Tasman & Crown Lyell Ext....	.....	...	...	16
<i>Sundries:</i>				
Dunkley Bros.	.....	...	...	65
Tasmanian Smelting Co.	.....	...	...	280
Others	.....	...	...	55
Total	.....	19,339·125	£68,215	1076

ZEEHAN DISTRICT.—*Zeehan, Western.*—Mr. John Craze, manager, reports:—Mining operations are being carried on both at No. 1 shaft and the Incline shaft. At the former shaft the men are stoping No. 1 lode, with fair results. At the Incline shaft a crosscut has been put out east from the shaft at No. 1 level a distance of 230 ft., and have cut

across three small veins, which we call Nos. 2, 3, and 4 lodes; the Incline shaft having been sunk on No. 1 lode. On No. 2 lode we have driven 90 ft. north, the ore vein is 3 in. wide of good galena ore. No. 3 lode we have driven north 98 ft., the vein here is 2 in. wide of fair ore. No. 1 lode at No. 1 level is producing a good quantity of ore from the stopes. At No. 2 level a rise is being put to connect with No. 1 level. There is also stoping being carried on on the lode with fair results. The prospects at the Incline shaft has much improved during the quarter.

*Zeehan-Montana.*—Mr. John Craze, manager, reports :—There is very little of importance to report. The principal mining operations are confined to driving north on No. 2 lode; Nos. 2, 3, 4, and 5 level; also south on Nos. 2 and 3 lode, Nos. 5 and 4 levels respectively. The ends of the north drives are now well into the old Silver Crown portion of the property. At No. 4 level there is a fairly long shoot of ore ground. The stopes are being carried along this part for 300 ft. in length. The ore is found in bunches, and is on the whole fairly payable. In other parts of the mine the stopes continue to produce small quantities of ore. We hope to drain the old Silver Crown workings during the coming year. This will give us further area of stoping ground.

*Mt. Zeehan (Tasmania) Silver-Lead Mines, Limited.*—Mr. T. Vincent, manager, reports :—A new discovery has been made near the north boundary of the Argent section. So far as seen it has a promising appearance. This lode was worked many years ago, some distance south of the new find. Am of opinion, if there is any body of payable ore, it must be looked for in a northerly direction.

*Kynance.*—Mr. W. Thomas, manager, reports :—At the Kynance mine preparations have been made to ventilate the north end of this mine. At the 80 ft. level an air blower has been installed, and about 250 ft. of 6-in. air pipes put into the north end workings. At this point a rise has been started, and is now up 60 ft. from bottom of level, leaving 40 ft. yet to hole through to the surface. The ground is favourable for rising on, being composed chiefly of decomposed clay and mica slates, intermixed with steallite, carbonate of lime, and a good deal of soft iron oxide. When this work is completed stoping will be commenced. It will also give an opportunity to examine the large bodies of zinc-lead and copper ores existing in this portion of the mine.

*DUNDAS DISTRICT.—Adelaide Mine.*—Mr. G. Ahern, manager, reports :—The upper level of the Adelaide mine is looking very well indeed; it shows an average of 1 ft. of clean galena for over 40 ft. in length, besides 2 ft. of good milling ore. This shute of ore has not been worked at any period of the mine's existence, and it is possible

that it may go a fair distance both north and south from the present faces. I am now engaged putting in a draw lift to unwater the mine to the 270 ft. level, when this is done, it is my intention to crosscut to the adjacent Anderson's section (lately purchased by this company) to tap the known lodes on this section at a depth of 270 ft. This will entail a crosscut of 180 ft, but it should prove a remunerative one if the lode is as rich at 270 ft. as at 100 ft., as the assay value of the ore at the latter level is from 100 to 120 ozs. of silver per ton.

**MT. READ DISTRICT.—*Hercules Mine.***—Mr. C. H. Moxon, manager, reports :—For the quarter the production of zinc ore to Europe and lead sulphide ore to the Tasmanian Smelting Co.'s works at Zeehan has been continuous. The bulk of the output has been obtained from the "E" ore body, which has now been proved to contain a maximum width of 90 ft. A fair amount of developmental and exploration work has been attempted, but the difficulty to obtain competent miners is always present, and consequently retards us from doing as much as is desirable in this direction.

The ore produced contained—Gold, 1291 ozs.; silver, 82,991 ozs.; lead, 603 tons; and zinc, 503 tons.

***Ring Valley Mine.***—Mr. W. J. Moyle, reports :—The underground shaft is 137 ft. below adit level; lode in bottom of shaft, 4 ft. wide of massive iron pyrites. At 130 ft. the north drive is extended to 50 ft. and south drive 10 ft. The lode in both faces comprises from 2 ft. to 3 ft. of iron pyrites, with a little antimonial and lead sulphides associated, from which a small proportion of marketable material is obtained by sorting

**MT. FARRELL DISTRICT.**—Mr. L. C. H. Woodruffe, manager, reports :—During the quarter an increase tonnage of ore has been produced, 4184 tons of crude ore being mined and treated for a yield of 705 tons of marketable ore. The bulk of the ore won has been obtained from the workings at the No. 5 level, which is looking fairly well throughout.

Crosscutting for the southern ore body on the No. 1 lode is in progress at this level, and the lode channel has just been reached. Preparations for the sinking for another level are in hand, and this work will shortly be undertaken.

***Tasmanian Smelting Company.***—Mr. H. Harris, manager, reports :—Ore bought during the quarter, 10,578 tons, containing 1451 tons lead, 168,941 oz. silver, 1522 oz. gold.

NORTHERN AND SOUTHERN DIVISION.

	Tons.	Value.	Men.
Round Hill Mine .....	44	£260	8

## THE MINERAL INDUSTRY

## NORTH-WESTERN DIVISION.

	Tons.	Value.	Men.
Magnet Mine.....	1761	£17,279	185

## COPPER.

*Mt. Lyell Mine.*—Mr. Robert Sticht, general manager, reports :—  
Ores and metal-bearing fluxes treated at Reduction Works:—

	Dry weight.			
	tons.	cwt.	qr.	lb.
Mt. Lyell Mine ore .....	4350	8	1	20
North Lyell Mine ore .....	2821	6	3	7
Purchased ore.....	26	18	0	9
	7199	3	1	8

Number of men employed:—

At the Company's Mt. Lyell Mine .....	115
"    "    North Lyell Mine.....	131
"    "    Crotty Leases .....	7
	— 253
"    "    Reduction Works.....	267
Railway Department—Mt. Lyell Railway .....	103
"    "    North Lyell Railway...	16
	— 119
Total.....	639

*Blister Copper.*—As the converters were not in operation, no blister copper was produced.

Strike of employees in mining and reduction works departments commenced on 23rd September, 1911. Work at the mines was resumed on 18th November, 1911, and ore-breaking was re-started on 11th December, 1911, by available labor. Smelting operations were also resumed on 11th December, 1911, upon a reduced scale, necessitated by shortage of labour at the mines.

MOUNT LYELL DISTRICT.—*Darwin Prospecting Syndicate.*—Mr. James Souter reports :—For the quarter ending 31st December, 1911, I have to report that 32 feet of cross-cutting has been done, in which distance good ore, over a width of 10 feet, has been passed through, the face at present being in well mineralised schist carrying small veins of copper pyrites. In addition to the above some prospecting work has been done in No. 3 tunnel; this has given satisfactory results, over a width of 12 feet, all of which carries an appreciable quantity of good grade copper pyrites. Two men have been employed.

*Mt. Lyell Blocks Copper Mines.*—Mr. Robert Ferguson, manager, reports:—Only work in progress shaft-sinking from main Consols tunnel. Present depth of shaft 830 feet in good schist country. Twenty-three men employed.

## NORTH-WESTERN DIVISION.

	Tons.	£	Men employed.
Murray's Reward .....	313	2191	58
Central Balfour .....	150	1050	15
Others (estimated) .....	...	...	50
Totals .....	<u>463</u>	<u>3241</u>	<u>123</u>

## COAL.

The output this quarter was 13,410 tons, against 16,056 tons the previous quarter. The output of the respective collieries was as follows:—

Colliery.	Tons raised.	Value at mine.	Men employed.
Cornwall Colliery .....	5575	£2509	70
Mt. Nicholas „ .....	7283	3277	79
Enterprise „ .....	30	15	3
Spreyton „ .....	258	168	6
York Plains „ .....	84	54	2
Illamatha „ .....	...	...	2
Catamaran „ .....	120	90	6
Mount Cygnet „ .....	60	30	2
Ida Bay „ .....	...	...	4
Totals .....	<u>13,410</u>	<u>£6143</u>	<u>174</u>

## BISMUTH.

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

	Tons.	£	Men.
Shepherd and Murphy Mine .....	3·09	1236	...
Lady Barron Mine .....	...	...	...
Totals .....	<u>3·09</u>	<u>1236</u>	<u>...</u>

## WOLFRAM.

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

	Tons	£	Men.
Avoca Mines.....	11·15	1209	30
Shepherd and Murphy Mine.....	6·84	752	...
Lady Barron Mine .....	1·85	222	6
Totals .....	<u>19·84</u>	<u>2183</u>	<u>36</u>

## OSMIRIDIUM.

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

	ozs.	£	Men.
Savage River District .....	233·38	1635	50

The following return shows the average number of men employed in or about the mines during the quarter ending 31st December, 1911:—

District.	European.	Chinese.	Total.
Northern and Southern .....	546	...	546
North-Eastern .....	636	65	701
Eastern .....	500	40	540
North-Western .....	756	...	756
Western .....	1999	...	1999
Total .....	<u>4437</u>	<u>105</u>	<u>4542</u>

Value of mineral output per man:—£57 5s. 7·318d.

Dividends paid by mining companies during quarter ending 31st December, 1911:—

	£	s.	d.	£	s.	d.
From Copper Mines .....	...			Nil.		
From Tin Mines:—						
Bischoff T.M. Co., Registered .....	16,500	0	0			
Pioneer T.M. Co., Ltd.....	12,093	0	0			
Briseis Tin and General Mining Co., Limited	15,000	0	0			
New Ruby Flat T.M. Co., N.L. ....	609	0	0			
South Mt. Cameron T.M. Co., N.L.....	1200	0	0			
Arba Tin Mine .....	3000	0	0			
Renison Bell .....	911	0	0	49,313	0	0
From Silver Mines:—						
North Mount Farrell.....	...			874	0	0
From Coal Mines .....	...			Nil.		
Total .....	...			<u>£50,187</u>	<u>0</u>	<u>0</u>

## APPENDIX.

## THE SILVER-LEAD LODES OF THE WARATAH DISTRICT.

On the western side of Mt. Bischoff, between the mountain and the Arthur River, lies a group of five mineral sections, upon which active mining operations have now been in progress for two years. This work has been carried out by the Bischoff Balfour Prospecting Association, which was formed in the first place to work a section lying to the north-west of the Silver Cliffs Mine. The latter mine has also been acquired by the association, and there, too, during the past year some prospecting work has been done beyond the sites of the old workings of the former company.

Upon Section 4613-M, of 80 acres, charted in the name of R. C. Lewis, there are three well-defined lodes. One of these, known as Chaffey's lode, is marked by a strong outcrop of gossan, which follows an east and west course across a ridge traversing the central part of the section in a meridional direction. A tunnel driven on the course of the lode from the eastern slope of the ridge has not been carried sufficiently far to afford definite information as to the nature of the ore body which has given rise to the gossan.

Another tunnel driven from the western side of the ridge lies to the north of the lode, and a crosscut needs to be driven southwards to prove it at that point. The nature of the lode which has produced the gossan cannot be decided from available data, and the eastern drive on the lode (known as the "magazine tunnel") should be continued under the crest of the ridge.

A much more valuable ore body, as far as may be judged from present indications, runs through the central part of the section on a bearing N. 30° E., and has been exposed along its length for 250 feet by a low-level tunnel crosscut and drive.

The ore body has a complex structure, consisting of a number of connected fractures rather than of a single fissure. The workings show it to be poor where first cut, but to improve materially where followed southwards. A shoot of milling ore was encountered at a distance of 70 feet from the adit crosscut, and has been already proved to be about 100 feet in length. Short crosscuts from the drive on the course of the lode show the width of the shoot to be at one point at least 16 feet, but the limits of width have not been reached. This shoot carries bunches and strong veins of very clean galena, which has a high silver tenor, over an ounce to the unit of lead.

The face of the drive is in poor lode-matter, but may possibly lie a little to the east of the main portion of the shoot. A short crosscut or, better, a deviation of the main drive, is needed to determine this point.

This shoot is most promising, and every endeavour should be made to attack it at a lower level by another adit, for the topography of the country is favourable.

The prospecting of the lode can only properly be carried out in the manner which is now being adopted by the management, viz., driving on the course of the lode and putting out short crosscuts at frequent intervals to prove the width.

Another lode in the same section, with a north and south strike, has been prospected at the surface and underground. At the surface the gossan carries galena at more than one point, but the underground developments are not encouraging.

The new work done south of the Silver Cliffs Mine, in section 5061-m, has proved the continuation of the No. 2 lode of that mine, but the results obtained are not so satisfactory as those obtained on the section 4613-m, mentioned above.

There are two places within section 4733-m at which work should be continued. In the first place no attempt has been made to trace the lode exposed on the cliff-face in a southerly direction. Again, on the northern boundary of the section it is advisable to prospect for the northerly extension of the same lode at a point where some gossan is showing above the creek level.

A more detailed discussion of the lodes, together with an account of the geology of the district, will shortly be published by the Geological Survey of Tasmania.

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