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THE ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA, LIMITED.  
West Coast Department.

GEOLOGICAL DEPARTMENT.

S E C O N D Report.

on

THE MURCHISON MINE

Silver-Lead - Zinc

Mount Farrell

Graham E. Whitten

December 1947

Number: 6

File: P5

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED  
West Coast Department.

MEMORANDUM FOR:

Mr. F. H. Burns,  
Superintendent,  
ROSEBERRY.

THE MURCHISON MINE.

Silver-Lead-Zinc.

Mount Farrell.

Attached please find Second Report on above.

Copies have been made for: The Managing-Director and File (2)

Rosebery, 5-12-'47

ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED  
West Coast Department

THE MURCHISON MINE : SILVER LEAD ZINC.

S U M M A R Y

The Tullah District was visited on the 15/17th October 1947, the Murchison Mine being inspected on 16th October to enable No. 3 Level Adit and additional surface workings to be examined. A site was picked from which to drill for the target chosen previously (see Report No. 4 10/47).

Since the first report was issued ( October, 1947) the following work has been done:-

- (i) The Track from Tullah has been cleared and widened where necessary and broken culverts repaired. Two collapsible huts have been sledged in and erected.
- (ii) A base map has been prepared following a theodolite Survey starting from the S.W. corner of Dutton's Lease (No. 9774) and connecting up the mine workings. Elevations have yet to be connected to those of the North Mount Farrell Mine.
- (iii) No. 3 Level Adit. --(See Plan)

No. 3 Level Adit has been drained and the fall at the adit mouth cleared sufficiently for access with safety. The adit workings are in good condition. All the rails have been removed from the trucking ways.

The North Drive, is 131' long and is intact. Where the stope above the Level ends 16' from the adit much water enters the level. This is derived from a creek which flows into an old stope above No. 1 Level and enters No. 3 Level via the North rill of the stope. This water flows out the adit mouth and does not enter the south drive. At a point 52' from the adit a rise has been put up. No water enters by the rise. A fall 5' high occurs 100' from the adit.

The South Drive and Cross-cuts from it are intact. Although only one winze was reported by L.K. Ward two were located as shown on the map. Neither were accessible as they were full of water but the 56' winze and a 20' North drive from it are believed to have been in ore.

THE MURCHISON MINE : SILVER LEAD ZINC (Cont.)

(iv)

Stoping. In the central part of the Level a stope 145' long and averaging 9' wide has been taken out. The stope appears to have been left open, the walls consisting of "Coarse Tuff" being supported by stulls.

When the Lode channel reaches slate North and South of the stoped area the drives follow a North and South direction along fault planes containing pug. The change of strike at the slate - "Tuff" contact is pronounced. No sulphide mineralisation was visible in either the North or South drives.

An easterly cross-cut 73' long with North and South drives from it has been put out from the South drive. The first 57' are in "tuff" the remainder in Slate. There is some low grade mineralisation in the North and South drives from the cross-cut but no stoping has been carried on.

(v)

Surface Workings Surface workings examined comprise workings on the main orebody as exposed in the open-cut and workings to the South East where a parallel zone of mineralisation occurs. These on the main ore-body consist of shallow trenches and drives following a fault which seems to be that of the main ore zone. No sulphides were seen.

To the South East an adit and a North drive from the adit were inspected. No stoping has been carried on but on the surface above the drive occurs mineralisation which has been exposed in a trench following the lode and in several shallow trenches across the lode.

In general these surface workings have not exposed any commercial mineralisation but they warrant clearing out for closer examination.

The examination of No. 3 Level confirms the general impression of Lode structure formed after reading L.K. Ward's Report.

The target chosen for the first diamond Drill (MP2B) remains as shown in No. 4 Report of 10/47. The Plan and Cross-section herewith show the location of the drill site and the proposed angle of drilling. The Lode channel should be intersected at approximately 300' in the Drill hole.

ROSEBERRY. 3-12-47

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