

Final (Relinquishment) Report Exploration Licence EL5/2021

Simpson Creek

Report compiled by John Carswell

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Executive Summary

Review of tin/gold elements based on historical data indicates sub-economic potential.

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Loza Radar Australia initial trial line Simpson Creek.pdf (seperate file)

Collar co-ordinates International Mining Corporation 1969/70? cable tool drilling – EL052021_202308_SL.xls (seperate file)

Down hole assays International Mining Corporation 1969/70? drilling – EL022021_202308_DG.xls (separate file)

Introduction

Historical drill sample results indicate some potential economic gold and tin grades in alluvial sediments in Simpson Creek a tributary of the Boobyalla River. The area is adjacent to historical alluvial workings at Banca.

Drill sampling of the alluvial deposits was planned to confirm and confine the tin and gold grades. Locating the historical drilling has been problematic and was not recorded in the MRT database. The potential mineral occurrence is now considered to be too small to warrant further exploration

EL5/2021 was issued on March 1 2022.

Previous Exploration

Previous exploration was carried out in the late 1960's to early 1970's at the end of the last phase of alluvial mining in the Banca area.

Reports relevant to exploration at Simpson Creek include:

- Undated (late 1960's/) International Mining Corporation (IMC) – an investigation into the Banca Mining Area – authors E Krajnc and GA McLellan – analytical results not complete – potential for tin resource at Boobyalla flat (Simpson Creek) identified.
- 22nd September 1970 – international Mining Corporation - Final Assessment Banca Tin Mine – E Krajnc – estimate of about 50 tonnes of cassiterite along Simpson Creek

- Undated – report for period Nov 1971 – March 1973 – Exploration undertaken by BMI Mining Pty. Ltd – IH Williams.
- 19th December 1973 – Department of Mines – letter from Chief Chemist K Dewey (?) to Mr T Rainbow with more/most of the results including composite samples from IMC drilling

The assays in the following table are of composite concentrate samples from the IMC 1973 drilling for the holes reported. It was not stated how the hole samples were composited – equal mass per sub-sample or in proportion to the sub-sample mass. (these results were not reported in the annual report).

Hole number	Concentrate mass gms	Conc. grade Au g/t	Conc. grade Hg g/t
RFB4	209.6	3.1	N.A ?
RFB3	1056	0.27	
RFB2	1821.6	4.52	
RFB1	709.1	0.25	
RFB6	21.0	5.7	80
RFC3	15.5	24.5	
RFC2	19.3	20.7	100
RFC1	71.0	45.3	40.0

The reports indicate the best potential for tin and gold is in the Simpson Creek area. The reports suggest sampling results were inconsistent and that sampling by cable tool drilling and on-site concentration before assaying may have been erroneous.

Exploration in Reporting Period

No sampling was carried out in the reporting period. Poor access to drill rigs concurrent with dry weather prevented drilling.

Onsite engagement with the landowner (Sustainable Timber Tasmania) with a MRT representative was undertaken in September 2022.

Forestry snig track clearing and clearing a potential drilling/geophysics line was completed in December 2022

Trial ground penetrating radar was completed to test the depth of the alluvials. The results are inconsistent with the IMC drilling.

Previous (late 1960's and early 1970's) drilling was compiled and converted to GMA94 coordinates.

Discussion and Conclusions

There is potential for a small, probably sub-economic resources of tin/gold at Simpsons Creek.

Future Exploration

No further exploration is warranted.

Environmental Management

No environmental impact

Expenditure.

Expenditure in the reporting period totalled \$3200 - \$2000 for geophysics and \$1200 for track clearing.

References

Previous exploration reports from Simpson Creek include:

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Appendices

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17th October 2023

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