

EL33/2008 – UNA PLAINS

TASMANIA

FINAL REPORT FOR PARTIAL SURRENDER

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VERIFICATION LISTING

Exploration Work	File_name	Type	Format Description
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Office Studies

Report	EL332008_201213_01_report	pdf	Report Body
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TENEMENT DETAILS

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ABSTRACT

Exploration Licence 33/2008 comprises 49 square kilometres located midway between Ringarooma and Mathinna in the states north-east. The licence was granted on 5th November 2008 to Geological, Educational and Mining Services Pty Ltd (GEMS).

Upon the anniversary of the fifth year of the licence a partial surrender of 21 square kilometres is applied for giving a remaining area of the licence of 28 square kilometres.

During the period 2008 – 2013 no work has been undertaken on the area that is to be surrendered.

KEY WORDS

Location Name:	Una, Dans Rivulet. Hinemoa.
Earth Science Related Terms:	Sinstral fault, dextral fault, pre-mineralisation shear, post mineralisation shear, brittle offset.
Environment of Mineralisation:	shear hosted mineralisation, brittle host, quartz vein stockwork.
Commodities:	gold, silver
Exploration Methods:	Historical research.
Stratigraphic Name:	Mathinna Supergroup.
Geological province name:	Lachlan Fold Belt.
Geological age:	Devonian

1.0 Introduction.

Exploration Licence 33/2008 comprises 49 square kilometres is located midway between Ringarooma and Mathinna in the state's north-east. The licence was granted on 5th November 2008 to Geological, Educational and Mining Services (GEMS) Pty Ltd.

As this reporting period represents the anniversary of the fifth year of the licence a decision to voluntarily surrender 21 square kilometres of the original Exploration Licence has been made.

2.0 Exploration Objectives.

The philosophy and objectives of the Exploration undertaken by GEMS is directed to the definition of a significant hard rock gold resource that would be amenable to economic extraction.

Primary exploration has focussed on testing discrete anomalies as defined by independent re-interpretation of historic data.

- Confirm the veracity and extent of previous mapping and anomalous gold mineralisation.
- Inspect and sample any available underground openings
- Drill test below historic underground workings at depth to determine structural controls and geometry of primary source.

3.0 Location and Access.

Una Plains Licence EL33/2008 is located in North East Tasmania, the licence originally covered 48km² commencing approximately 2 kilometres south-east of Ringarooma and extending south for 13 kilometres. Access to the northern portion of the lease is via numerous Crown roads and Forestry Tasmania tracks.

A Government 'C' class road (C423) bisects the Lease along the Una Plains immediately south of Mont Victoria allowing access to the central portion of the Licence. Access to the southern portion is either via Forestry Tasmania tracks off the C423 or by using additional Forestry Tasmania tracks coming up from Dan's Rivulet.

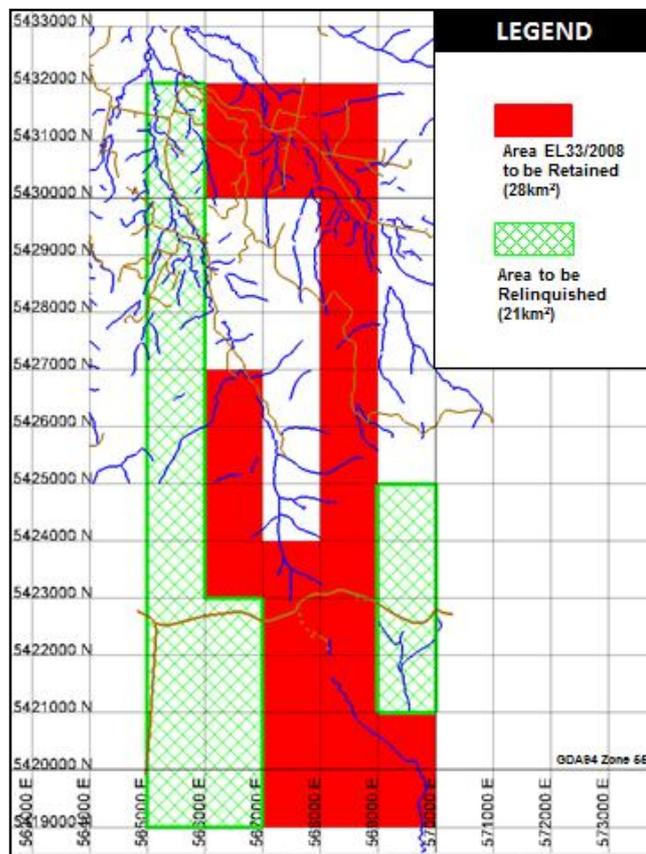


Figure 1: Location of EL33/2008, Showing Area to be Relinquished.

4.0 Regional Geology.

The regional geology of EL 33/2008 has been extremely well described by MRT geologists and summarised on the 1:50,000 Alberton geological map. Recent publications specific to the economic geology of the area are provided by Taheri (1992 and 1993) and Keele et.al (1994) as part of the Netgold project. The following is gleaned from this work.

The exploration Licence is located within the 70 kilometres long, 2 kilometre wide north-westerly trending Mangana to Lyndhurst gold lineament. Gold mineralisation contained within the lineament is hosted by the Silurian to Devonian Mathinna Beds.

The Mathinna Beds comprise an alternating sequence of bedded quartzites, sandstones, siltstones and slates. The quartzites have a lithic component and display graded structures locally.

The Mathinna Beds are unconformably overlain by probable Carboniferous and Permo-Triassic sedimentary sequences of the Parmeener Supergroup. Granites and granodiorite of Devonian age have intruded the Mathinna Beds. Sporadic tin and tungsten mineralisation is associated with granitic intrusion.

Regionally the Mathinna Beds are folded about northwest trending axes to from small scale and kilometre scale wavelength tight to moderate folds. Axial plane cleavage development takes the form of a slaty cleavage in the pelitic units. A subsequent deformation has produced regional mega kinking about steep, northeast trending kink planes, and numerous steep, northeast trending kink planes, and numerous steep dipping bands with both sinistral and dextral geometry.

The age of the gold mineralisation is uncertain; however it is probable that gold mineralisation was concurrent with folding and cleavage development prior to emplacement of the Devonian granites.

5.0 Previous Work.

No previous work was found to indicate that exploration had been performed within the areas to be surrendered.

6.0 Exploration Completed During the Reporting Period

A full literature, metallographic, geological and structural study was undertaken over the area covered by the area to be surrendered. No evidence was found to indicate that the area has the potential to host any significant gold mineralisation.

7.0 Discussion and Conclusions.

The area selected to be relinquished from EL33/2008 represents and in which the likelihood of economic mineralisation is considered to be extremely remote.

8.0 References

Keele, R.A., Taheri, J., and Bottrill, R.R., 1994. Structural and veining in the Devonian aged Mathinna-Alberton Gold Lineament, northeastern Tasmania. *Report 1994/06, Mineral Resources Tasmania*

Reed, A.R., 2004. Gold mineralisation and the regional Palaeozoic structure of the Mathinna Supergroup, eastern Tasmania. *Record 2004/01, Mineral Resources Tasmania*

Taheri, J., 1992. Northeast Goldfields: A summary of the Tower Hill, Mathinna and Dans Rivulet Goldfields. *Report 1992/10, Mineral Resources Tasmania*

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