



**MATHINNA - TASMANIA  
EL34/2008**

**FINAL REPORT  
14<sup>th</sup> January 2013**

**Tenement Holder/Manager  
Tamar Gold Ltd  
Level 4, 100 Albert Road, South Melbourne, 3205**

**Author: John Pemberton**

**Distribution:**

Mineral Resources Tasmania  
Tamar Gold Ltd

**Disclaimer**

The conclusions and recommendations expressed in this report represent the opinions of the author based upon the data available and provided to him at the time of preparation of this report. While all due care has been taken in preparation of the report, Tamar Gold Ltd and its employees take no responsibility for accidental inclusion/omission of erroneous data, particularly that sourced from previous work on this licence by other parties.

## **ABSTRACT**

EL 34/2008, Mathinna, was granted on the 1/6/2009 and covers 158 sq km. Over the life of the licence a regional prospectivity review of all ground held by Tamar Gold was undertaken. No field work has been completed on this tenement.

After a review of the Tamar Gold tenements this licence was identified as not being prospective for the type of gold target that was going to be the focus of the future exploration program. Tamar Gold is relinquishing this entire tenement in accordance with its exploration review.

<b>CONTENTS</b>	pg
INTRODUCTION	3
Location	3
Geology Overview	5
Mineralisation	5
WORK COMPLETED	7
ENVIRONMENT	7
EXPENDITURE	8
REFERENCE	9

## LIST OF FIGURES

Figure 1.	The Mathinna Exploration Licence (EL34/2008) is located in north eastern Tasmania to the north of Fingal.	4
Figure 2.	Geology of the Mathinna area.	6

## LIST OF TABLES

Table 1.	Revised Stratigraphy of the Mathinna Supergroup	5
----------	---	---

## **INTRODUCTION**

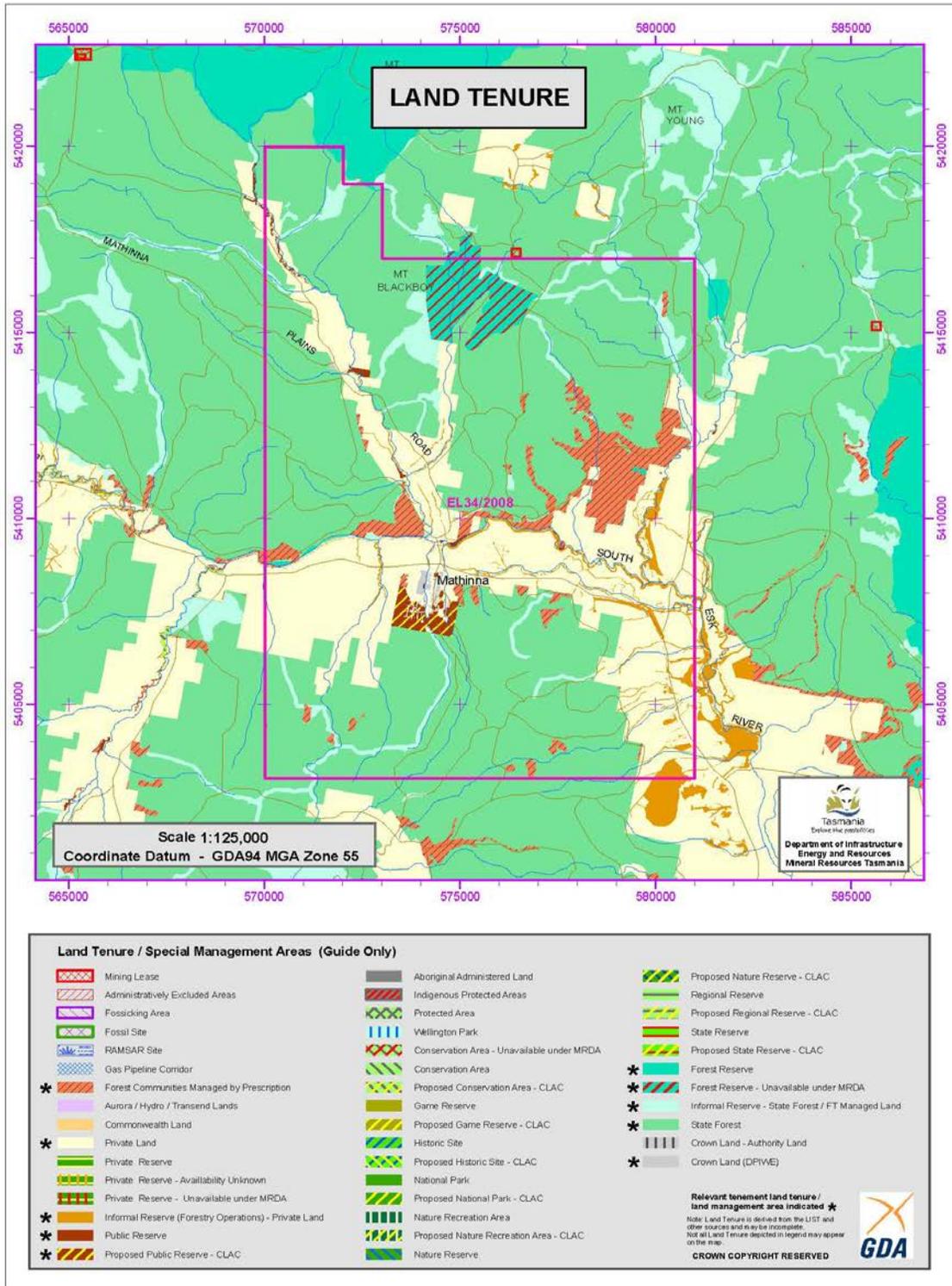
This report is a summary of the exploration activities conducted on the Mathinna exploration licence EL34/2008, for the period from the 1<sup>th</sup> June 2009 to 14<sup>th</sup> February 2013. The area of the licence is 158 sq km. This tenement was acquired from BCD Resources NL in May 2011.

### **Location**

The tenement is centered on Mathinna in eastern Tasmania (Figure 1 below). Access to the licence is via the Esk Highway and Mathinna Road.

The licence area can be found on the Mathinna (5640) 1:25,000 scale, and the Forester (8415) 1:100,000 scale; topographic map sheets.

**Figure 1. The Mathinna Exploration Licence (EL34/2008) is located in north eastern Tasmania to the north of Fingal.**



## Geology Overview

The tenement comprises Mathinna Supergroup siltstones, sandstones, subordinate shales and Devonian Granite. Revision of the internal stratigraphy of the Mathinna Supergroup as detailed in Seymour et al. (2011) and summarised below has been used during this work:

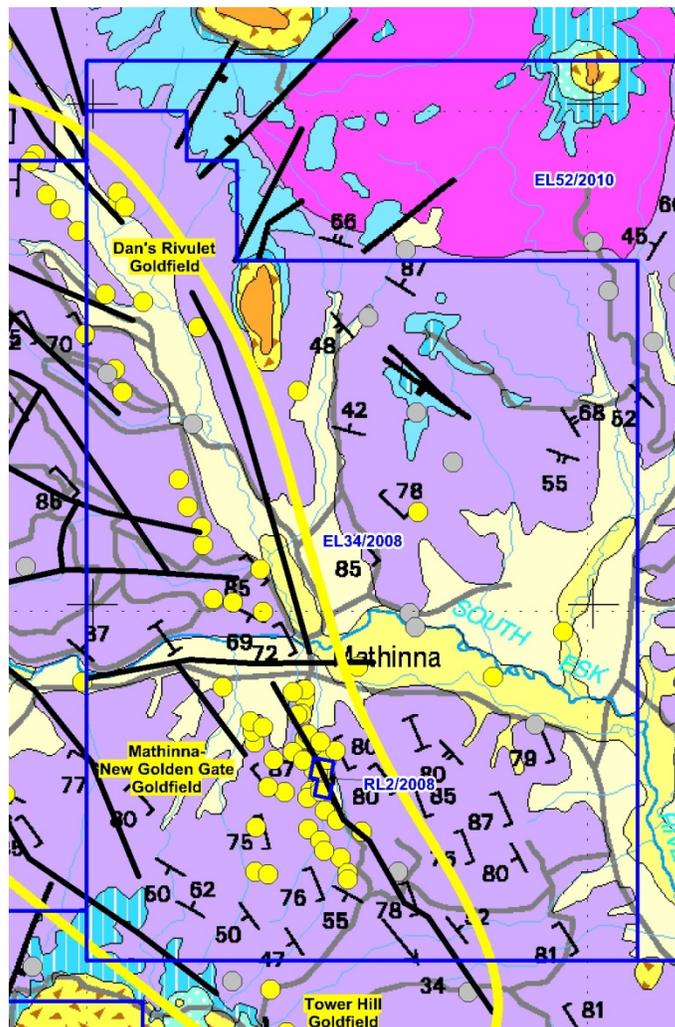
Group	Formation	Member	Age	Brief description
Panama Group	Sideling Sandstone		Early Devonian (plant fossils)	Dominantly fine-grained sandstone, some interbedded siltstone
	Lone Star Siltstone		Late Silurian (graptolites)	Dominantly thin-bedded siltstone with interbedded fine-grained sandstone increasing towards the top
	Retreat Formation		Silurian?	Interbedded turbiditic medium to very fine-grained sandstone and subordinate siltstone-mudstone
	Yarrow Creek Mudstone		Silurian?	Dominantly thin-bedded mudstone, with subordinate cross-laminated siltstone
Inferred faulted unconformable contact				
Tippogoree Group	Turquoise Bluff Slate		Early-Middle Ordovician (graptolites)	Phyllitic dark grey-black slate; recumbent folds and cleavage
		Industry Road Member	Ordovician?	Interbedded phyllitic slate and foliated very fine-grained sandstone; ridge-forming recumbent folds and cleavage
	Stony Head Sandstone		Ordovician?	Graded thick-bedded fine-grained turbiditic sandstone with minor interbedded pelite; large-scale recumbent folds and cleavage

**Table 1. Revised Stratigraphy of the Mathinna Supergroup**

## Mineralisation

The mineralisation in EL34/2008 is of the orogenic quartz vein gold style. The historically large, high grade turbidite hosted narrow vein style gold deposits such as Bendigo, Ballarat, Beaconsfield and Golden Gate was the proposed target for this exploration licence.

Figure 2. Geology of the Mathinna area from MRT 1:250 000 Geology Map



## **WORK COMPLETED**

No on ground work was undertaken on EL 48/2010. As this licence surrounded the Golden Gate Retention Licence, and part of the company structure at the time of the acquisition of this ground included that area, it was the intention to explore for structurally controlled high grade slate belt gold to the north and south of Mathinna.

Following a change in the management at Tamar Gold, and a review of the tenements held, it was decided that this style of mineralisation was no longer an attractive exploration target because of the cost of drilling sufficient holes to control grade variability and the general lack of tonnes per vertical metre.

## **ENVIRONMENT**

No on ground works were undertaken during the life of this tenement therefore there has been no disturbance requiring rehabilitation.

## EXPENDITURE

July 2012 – December 2012		
<b>Geoscientific Costs</b>	<b>Prospectivity Review</b>	
	<b>Geochemistry</b>	
	<b>Geophysics</b>	
	<b>Remote Sensing</b>	
<b>Drilling &amp; Gridding Costs</b>	<b>Gridding</b>	
	<b>Drilling</b>	
	<b>Land Access Costs</b>	
	<b>Rehabilitation Costs</b>	
	<b>Feasibility Study Costs</b>	
	<b>Other Costs</b>	6900
	<b>Admin Costs</b>	114
	<b>Total -</b>	<b>7014</b>

### Expenditure July 2012 to December 2012.

Total expenditure through life of licence was \$32 217

## REFERENCE

Seymour, D. B., Woolward, I.R., McClenaghan M.P. and Bottrill R.S., 2011,

Stratigraphic revision and re-mapping of the Mathinna Supergroup between the River Tamar and the Scottsdale Batholith, northeast Tasmania: Explanatory report for parts of the 1:25 000 scale Low Head, Tam O'Shanter, Weymouth, Retreat, Lilydale, Bridport, Bowood, Nabowla, Lisle and Patersonia map sheets. 1:25 000 Scale Digital Geological Map Series Explanatory Report 4: Mineral Resources Tasmania, Hobart, pp. 1–82.