

# **NORTH QUEENSLAND MINING PTY LTD**

## **FIRST ANNUAL & FINAL TECHNICAL REPORT**

### **EXPLORATION LICENCE 29673**

**22 MAY 2013 – 20 JANUARY 2014**

Titleholder	North Queensland Mining Pty Ltd
Project Operator	North Queensland Mining Pty Ltd
Titles/Tenements	EL 29673
Tenement Manager/Agent	AMETS
Mine/Project Name	N/A
Personal author(s)	Holly Sutcliffe
Company reference number	N/A
Target Commodity or Commodities	Au
Date of report	28 March 2013
Datum/Zone	GDA94/Zone 52
250 000 K Mapsheet	Pine Creek SD5208
100 000 K Mapsheet	Pine Creek 5270
Contact details	James Said, Managing Director- North Queensland Mining Pty Ltd james@northqueenslandmining.com

## Contents

1. Abstract.....	2
2. Copyright .....	2
3. Location and Access .....	3
4. Tenure and Land Use .....	3
5. Topography & Hydrology .....	4
6. Geology.....	5
7. Exploration Rationale .....	6
8. Exploration During Reporting Period .....	6
9. Conclusions and Recommendations .....	6
10. References.....	7
11. Appendices .....	7

## **1. Abstract**

Exploration Licence 29673 (the licence) was located approximately 5km South East of Pine Creek and consisted of 66 square blocks.

The area is situated within the Pine Creek Orogen region, which is highly prospective for gold mineralisation. The area has long been a target for exploration and North Queensland Mining believe the area is highly prospective for an economic gold deposit.

Two field trips to the licence were undertaken during the reporting period. General prospecting and mapping was conducted on the licences while in the field.

Due to unencouraging results, North Queensland Mining decided to relinquish the licence on 6 January 2014.

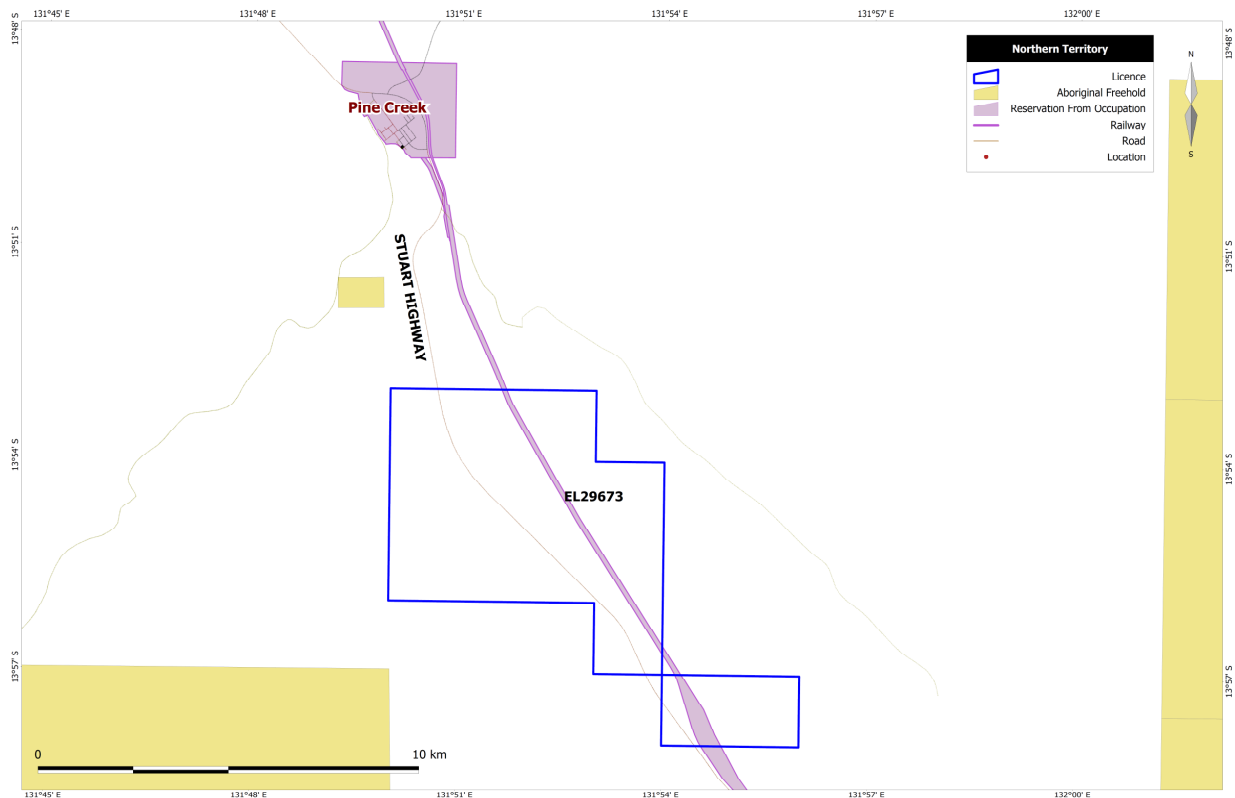
## **2. Copyright**

© North Queensland Mining 2014

This document and its contents are the copyright of North Queensland Mining Pty Ltd. The document is for submitting to the Department of Mines and Energy of the Northern Territory, as part of the tenement reporting requirements of the *Minerals Titles Act 2010*. Any information included in this report that originates from historical reports or other sources is listed in the 'References' section at the end of this document. North Queensland Mining Pty Ltd authorises the Department of Mines and Energy to copy and distribute the report and associated data.

### 3. Location and Access

The licence is located approximately 5km South East of Pine Creek in the Northern Territory and can be accessed from the Stuart Highway, thence via existing public roads and tracks.



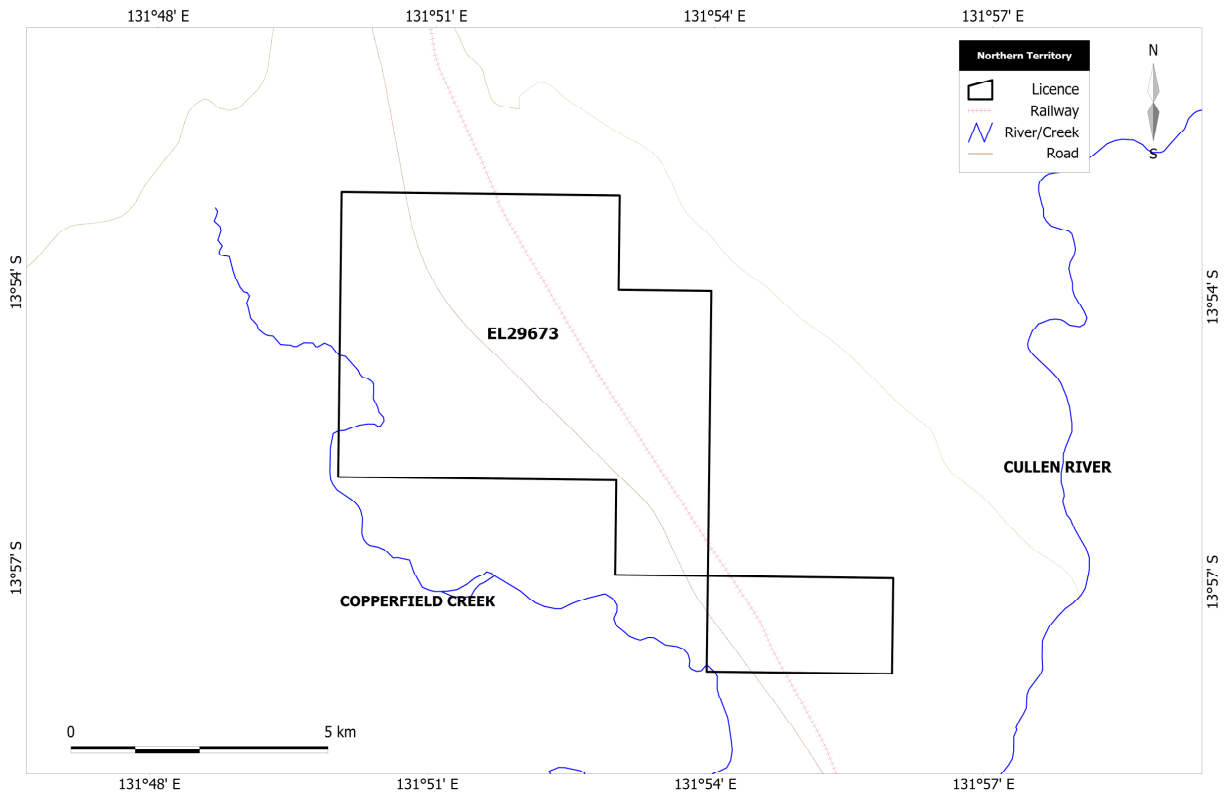
**Figure 1- Location Map**

### 4. Tenure and Land Use

Exploration Licence 29673 was granted for six years to North Queensland Mining on 22 May 2013. The licence is covered by pastoral leases, which are identified as NT Portions 709, 710, 3658, 5071 and 3663.

## 5. Topography & Hydrology

The topography within the area is dominantly low, with limited outcrops of granite, greywacke and shale. Small Creeks flow through the licence during the wet season.



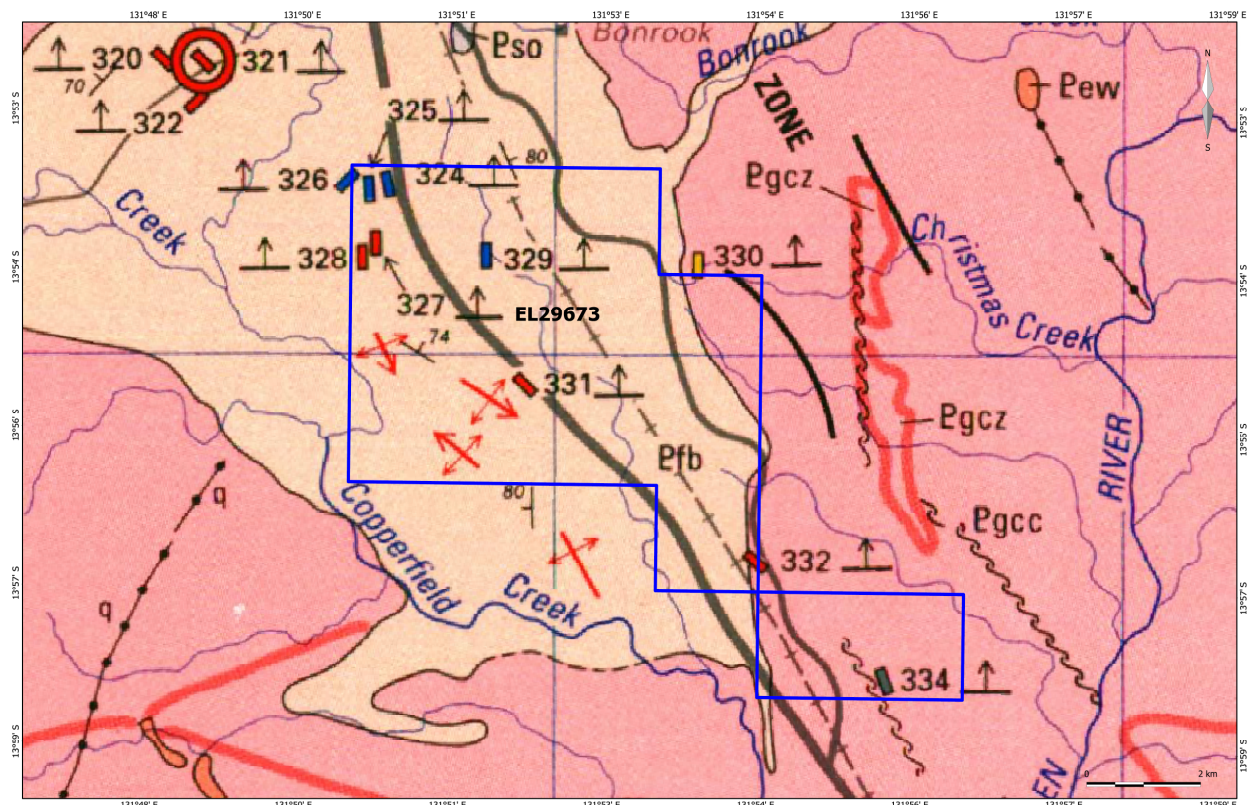
**Figure 2 - Topography Map**

## 6. Geology

The area is within the Pine Creek Orogen and consists of variably deformed and metamorphosed Palaeoproterozoic metasedimentary and intrusive rocks forming part of the North Australian Craton. The geology of this area largely consists of greywacke, shale, siltstone, sandstone, dolostone, tuff, granite, basalt, micaceous schist, quartzite and felsic volcanics. The dominate lithology within the licence area is a medium to coarse, light pink to grey I-Type granite, which is part of the Early Proterozoic Cullen Batholith.

The area hosts numerous commodities which includes gold, uranium, base metals, PGE, iron ore, manganese, magnesite and phosphate. The Pine Creek Orogen is well known for gold and uranium mineral exploration.

The North-West to South-East trending Pine Creek Shear Zone is present to the North West of the licence.



Map Legend in Appendix 1

**Figure 3- Geology Map**

## **7. Exploration Rationale**

The area is within the Pine Creek Orogen which is a known region to host significant gold deposits, particularly alluvial gold deposits. Considering the location of the area and its proximity to the Pine Creek Shear Zone, North Queensland Mining believed that there was a potential for the area to host an economic gold resource.

## **8. Exploration During Reporting Period**

Two field trips to the licence were undertaken during the reporting period. General prospecting and mapping was conducted on the licences while in the field.

Results were not encouraging and North Queensland Mining decided to relinquish the licence.

## **9. Conclusions and Recommendations**

North Queensland Mining evaluated the findings from the two field trips and considered their exploration focus and they concluded that EL29673 should be relinquished. EL29673 was surrendered on 20 January 2014.

## **10. References**

P. Le. Messurier, Pine Creek, Sheet SD 52-08, first edition, scale 1:250K, Department of Mines and Energy, Mercury Walch Pty Ltd, 1993

## **11. Appendices**

Appendix 1- Geology Map Legend- (*P. Le. Messurier*)