EL28813 PARTIAL RELINQUISHMENT REPORT

For period from 21/12/2011 to 20/12/2013

‘PINE CREEK WEST’
PROJECT NT

Pine Creek SD5208 1:250,000
Pine Creek 5270 1:100,000

Titleholder: Tropical Resources Pty. Ltd

Report No. 2014-010
Tropical Resources Pty. Ltd
By Mingjin HOU
10th February 2014
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1. SUMMARY

EL28813 is 21km west of the Pine Creek Township within the Pine Creek Orogeny. Tropical Resources Pty Ltd applied for EL28813 primarily to explore for vein-hosted Au mineralisation and secondly to evaluate the potential for other types of economic mineralisation such as Cu and Sn.

Work during Year 1 of tenure consisted of a review of NTGS data and Open File Company reports (geological and geophysical), and short field trip.

Work during Year 2 included field reconnaissance and data evaluation.

2. LOCATION AND ACCESS

EL28813 is located approximately 15km west of the Pine Creek Township and 190km SSE of Darwin, NT. (Figure 1). Access is along the Umbravarra Road toward Douglas Daly from Pine Creek via Stuart Highway from Darwin. Topography is plains with some hills but the relative elevation is less 100m, several rivers cross the land. Access is advisable in the dry season and also during wet season but cross several creek by four-wheel drive truck with wader.
Figure 1 Tenement Location Map of EL 28813
3. TENEMENT STATUS AND OWNERSHIP

EL28813 was granted on 21st December 2011 and expires on 20th December 2017 for a term of six years. It comprises 6 graticular blocks (19.87 sq km). There are no other mining leases or mineral claims shown within the Licence boundaries.

After the data review and field trips, TRC decided to reduce EL28813, from 6 blocks to 4 blocks (13.24 sq km), because of the lack of any interesting outcrops. Relinquished 2 blocks (Figure 2).

**Figure 2** The remained blocks in red polygon of EL28813
Underlying cadastre is only one Perpetual Pastoral Lease. Landholder show below: NT Portion 709, Perpetual Pastoral Lease 1058, Douglas Daly (Figure 1).

4. GEOLOGY

EL28813 is situated within the Pine Creek Geosyncline, a tightly folded sequence of Lower Proterozoic rocks. A full description of the geology and stratigraphy of the Pine Creek Geosyncline can be found in several texts, including Ahmad et al., (1993; Ahmad, 1998), which covers the 1:250,000 Pine Creek Sheet. More detailed mapping and explanatory notes cover the 1:100,000 Tipperary sheet (Whitehead B.R., Mulder, C.A., 1988).

The main part of EL28813 is dominated by the Umbrarrowa Granite, which is a light grey to pink, medium, porphyritic to equigranular biotite-muscovite granite dominated pluton (Wyborn, 2002). There is few sedimentary occurrence just a few Cretaceous red formation.
The Pine Creek Shear Zone transects the tenement and is a major regional structure mapped as a D3 fault (Ahmad et al., 1993). The metasediments within the shear zone are chloritic and show vertical cleavage, while granites in the shear zone have discrete fault breccias and mylonite zones. There is evidence of movement along the Pine Creek Shear Zone after granite emplacement. Mapping by Goldfields Exploration noted the area is dominated by relatively tight, south-plunging folds. The Bonrook fault is adjacent to the Bonrook Granite and is characterized by a 2-3m quartz vein.

5. PREVIOUS EXPLORATION

Very little work has been done on this area (There is no technical report concerning this area from the NT DME).

6. EXPLORATION DURING YEAR 1

During the first year of tenement work done on EL28813 included a literature review and data compilation. Tropical Resources exploration consisted of historical data compilation including tenure, datasets and geo-referencing of relevant maps. A short field trip was taken during May.

7. EXPLORATION FOR YEAR 2

In 2013, Tropical Resources exploration consisted of historical data compilation including tenure, datasets, open file reports and geo-referencing of relevant maps. This enabled an informed review of the tenements prospectively in regards to Gold, Cooper and base metal. Field reconnaissance was also completed.
Photos 1-2, the old trench and waste rock in SE corner of the EL28813
8. CONCLUSION AND RECOMMENDATION

After a review of all available data and reconnaissance trips, TRC has decided to reduce EL28813 from 6 blocks to 4 blocks. The areas relinquished do not contain any interesting outcrop.

0. REFERENCES


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