
EL28801 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. 2014-006
Tropical Resources Pty. Ltd
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1. SUMMARY

EL 28801 is 21km west of the Pine Creek Township within the Pine Creek Orogeny. Tropical Resources Pty. Ltd applied for EL28801 primarily to explore for vein-hosted Au mineralisation and secondly to evaluate the potential for other types of economic mineralisation such as Cu.

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

EL28801 is located approximately 21km west of the Pine Creek Township and 160km SSE of Darwin, NT (Figure 1). Access is along the Oolloo Road toward Douglas Daly to Butterfly George from Hayes Creek via Stuart Highway from Darwin. There are several rough road can be reach to the Lease from north along the Oolloo Road or along Umbrawarra Road from southwest via Pine Creek Township. Topography is plains with some hills but the relative elevation is less 50m, several rivers cross the land. Topography is undulating hills with well-defined drainage, with higher relief in the NW corner of the Licence. Access is advisable in the dry season only.

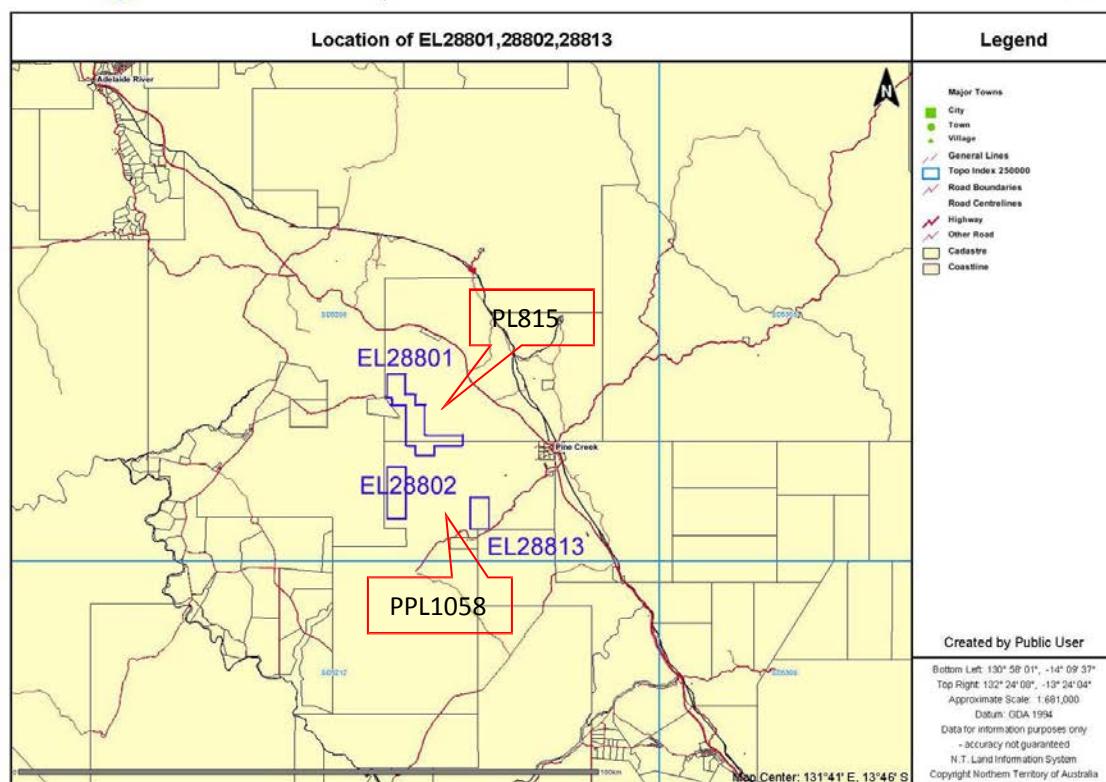


Figure 1 Tenement Location Map of EL 28801

3. TENEMENT STATUS AND OWNERSHIP

EL 28801 was granted on 21st December 2011 and expires on 20th December 2017 for a term of six years. It comprises 21 graticular blocks (68.92 sq km). There are no other mining leases or mineral claims shown within the Licence boundaries.

After data review and field trips, TRC has decided to reduce EL28801, from 21 blocks to 11 blocks(36.69 sq km). Relinquished 10 blocks (Figure 2)

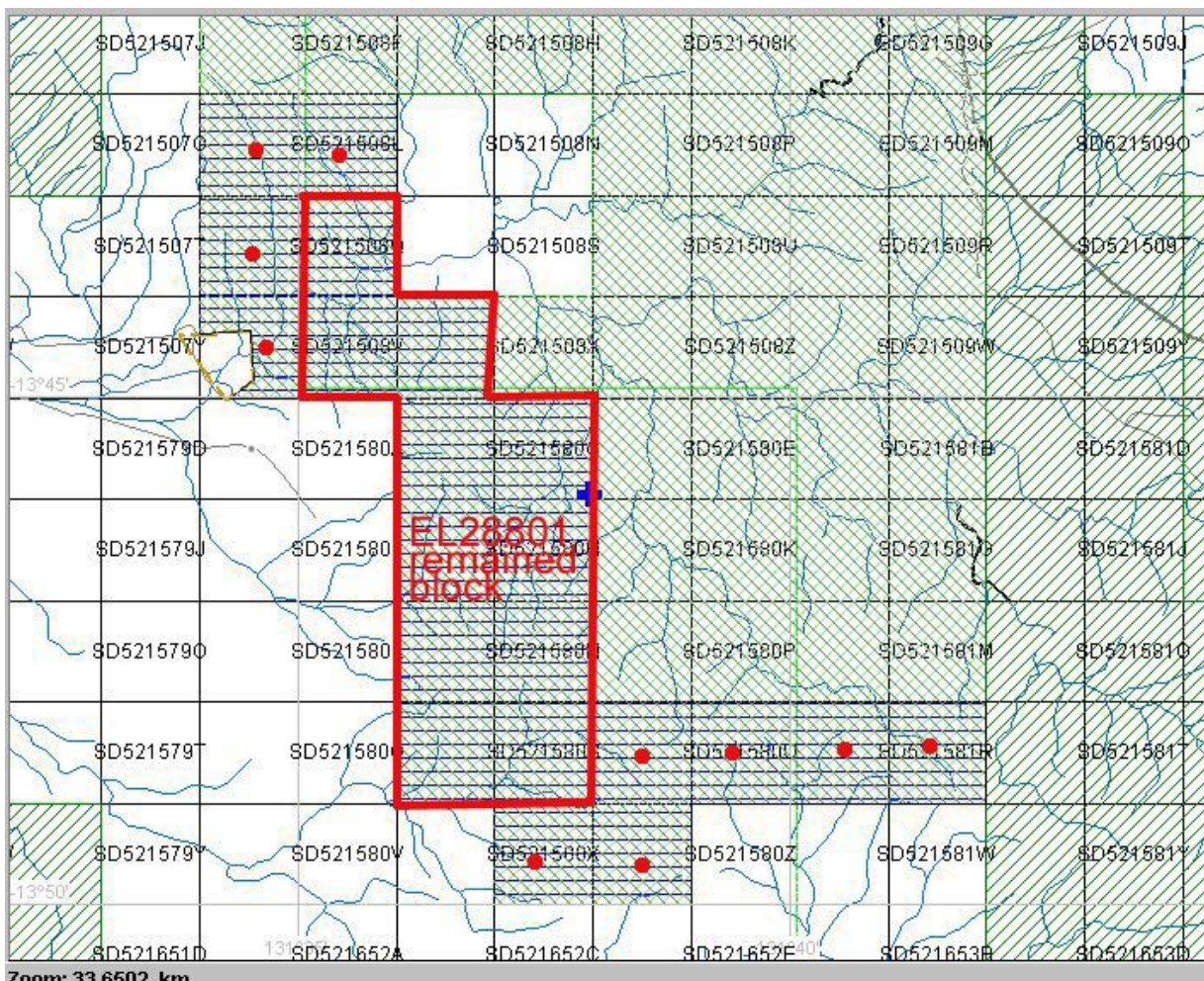


Figure 2 The blocks remained in red polygon of EL28801

Underlying cadastre is mainly Pastoral Lease. Landholders show below: 1-NT Portion 1630, Pastoral Lease 815, Douglas Daly; 2-NT Portion 709, Perpetual Pastoral Lease 1058, Douglas Daly (Figure 2).

4. GEOLOGY

EL 28801 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).

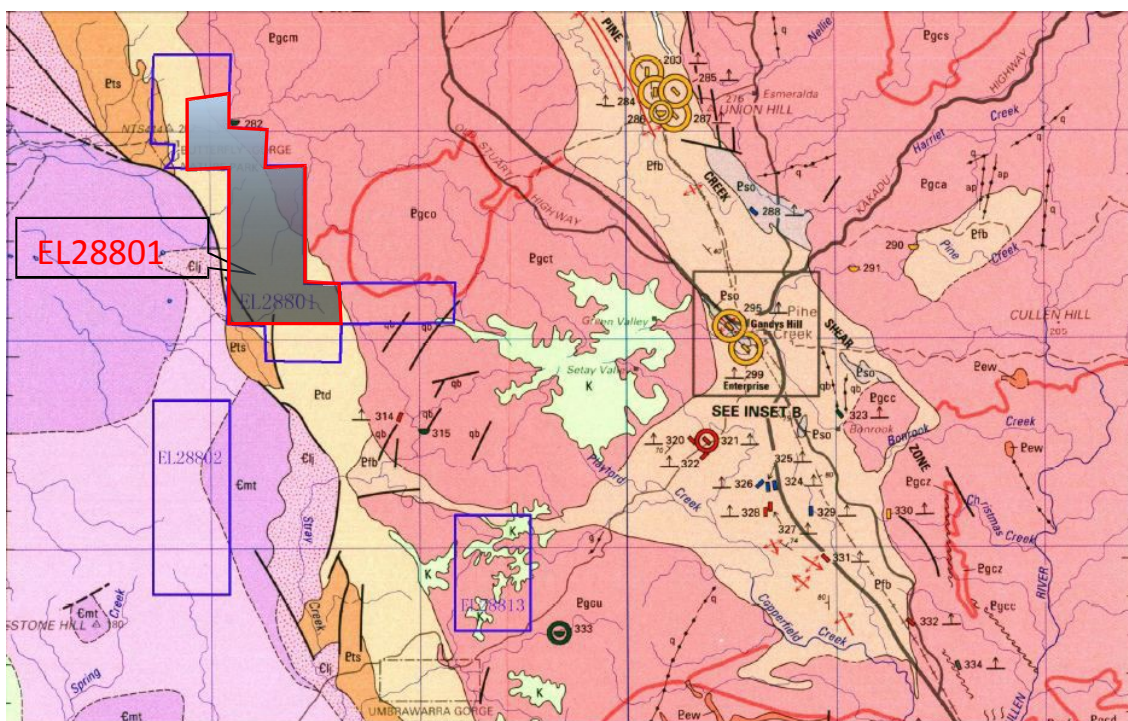


Figure 3 Geology map of EL28801

The middle part of tenement area overlies the Tolmer Group sediments: Depot Creek Sandstone; Stray Creek Formation: thick bed fine sandstone, Micaceous siltstone, dolomitic siltstone, shallow marine.

The eastern part of EL28801 is dominated by the McMinns Bluff Granite, which is a pink, coarse and predominately porphyritic biotite-hornblende granite dominated

pluton (Wyborn, 2002). All of the metasediments display contact metamorphism, with mapped isograds within EL 28801 ranging from hornblende hornfels (covering most of the metasediments) with albit-epidote (subdivided into 'biotite in' phase) covering the metasediments near the western and south-western parts of EL 28801.

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

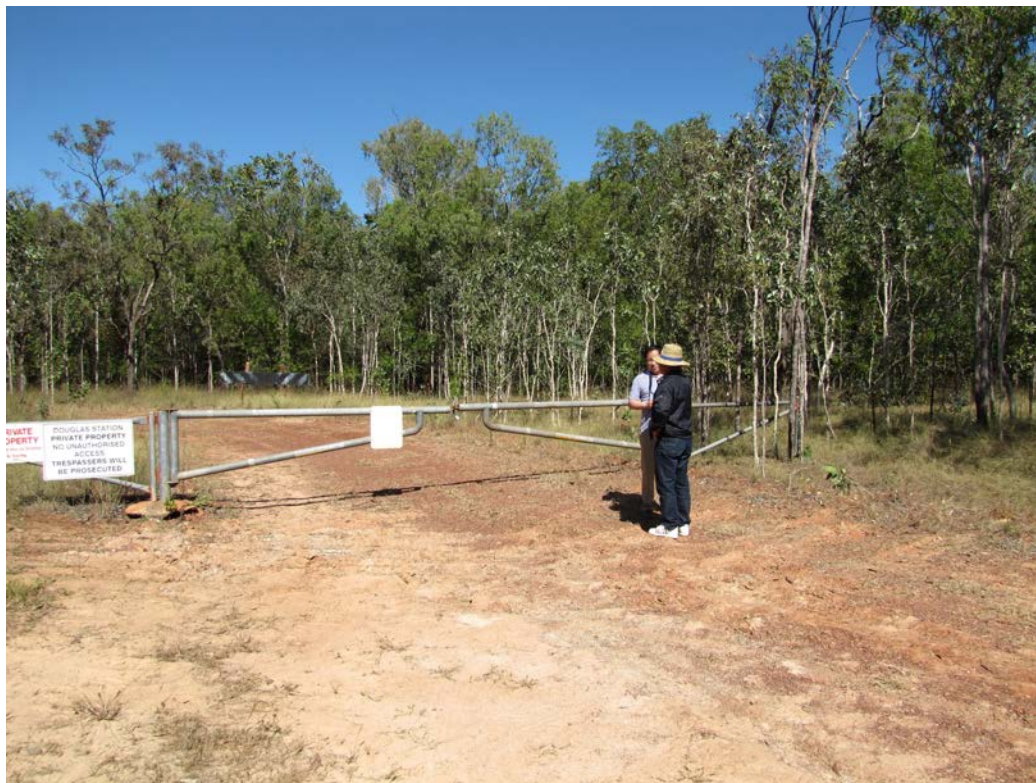
Exploration has been carried out in the area since 1979 by C.R.A Exploration Pty. Ltd. Several companies worked on this area (Some of them show in Table 1). Exploration primarily involved rock chip, soil and stream sampling (Stockdale Prospecting Ltd., EL7673, 1993-1998) for gold and some base metal analysis.

Table 1 List of the previous exploration Licenses

EL Number	Expiry Date	Company Reports
EL1566	22/03/1977	CR1979-0080
EL2436	16/02/1982	CR1984-0113 CR1983-0128 CR1986-0162 CR1985-0283 CR1982-0398
EL5297	30/09/1993	CR1989-0827 CR1988-0409
EL7673	12/04/1998	CR1993-0497 CR1994-0308

6. EXPLORATION DURING YEAR 1

In 2012, 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 metals. Field reconnaissance was also completed.



Photos1-2, Field trip to Butterfly George at the gate of Douglas Station

7. EXPLORATION DURING YEAR 2

In 2013, Tropical Resources exploration consisted of historical data compilation and field reconnaissance.

8. CONCLUSION AND RECOMMENDATION

After a review of all available data and reconnaissance trips, TRC has decided to reduce EL28001 from 21 blocks to 11 blocks. The areas relinquished do not contain any interesting outcrop.

9. REFERENCES

Carson, C. Scrimgeour, I., Goldberg, A., Stern, R., and Worden, K., 2006. Western Pine Creek Orogen (Litchfield Province) – recent advances and regional correlations. Annual Geoscience Exploration Seminar (AGES) 2006, *Record of Abstracts. Northern Territory Geological Survey, Record 2006-002.*

Ahmad, M., Wygralak, A.S., Ferenczi, P.A., and Bajwah, Z.U. 1993. Explanatory Notes and Mineral Deposit Data Sheets. *1:250,000 Metallogenic Map Series, Department of Mines and Energy, Northern Territory Geological Survey*

Whitehead B.R., Mulder, C.A., 1988. Tipperary 5170 Explanatory Notes. 1:100,000 Geological Map Series, Northern Territory Geological Survey.

Pietsch, B.A., and Edgoose, C.J., 1988. The Stratigraphy, Metamorphism, and Tectonics of the Early Proterozoic Litchfield Province and Western Pine Creek Geosyncline, Northern Territory. *Precambrian Research*, Vol 40/41, pp 565 – 588.

Wyborn, L.A.I., 2002. Granites and Copper Gold Metallogensis in the Australian Proterozoic. *Geoscience Australia Record* 2001/12.

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