



Operator: Crossland Strategic Metals Ltd

# Charley Creek EL 28224

Arunta Region

Partial Cancellation Report for EL 28224 for the period 8 March 2011 to  
12 October 2015

Tenement Holders: Crossland Nickel Pty Ltd

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1 December 2015

## Summary

EL 28224 was granted to Crossland Nickel Pty Ltd on 8 March 2011 for a period of 6 years. The licence consisted of 16 blocks and had not undergone any reduction prior to the cancellation penalty. The licence, in conjunction with eleven (11) others, is wholly owned by Crossland Nickel and was granted Group Reporting (GR086/09) and EPA status. The latter has since been revoked.

In September 2015, a partial cancellation notice for the group was issued due to under expenditure for two successive years. Cancellation of one (1) sub-block from the subject licence was undertaken by Crossland due to this expenditure shortfall. No ground exploration activities were carried out within the relinquished block. A regional Mag-Rad survey conducted in 2012 covered the area.

## Bibliographic Data

<b>Report Title</b>	Partial Cancellation Report for EL 28224 for the period 8 March 2011 to 12 October 2015
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<b>Project Name</b>	Charley Creek
<b>Tenement Number</b>	EL 28224
<b>Tenement Holder</b>	Crossland Nickel Pty Ltd
<b>Operator</b>	Crossland Strategic Metals Limited
<b>Commodities</b>	Rare Earth Elements, Uranium
<b>Tectonic unit</b>	Arunta Region
<b>1:250 000 MapSheet</b>	Hermannsburg (SF53-13); Alice Springs (SF53-14)
<b>1:100 000 MapSheet</b>	Anburla (5551)
<b>Keywords</b>	Arunta Region, Charley Creek, REE, Uranium

## Table of Contents

Summary .....	2
Bibliographic Data .....	3
Figures .....	4
1 Introduction .....	5
2 Tenure Details .....	5
3 Geology .....	6
4 Previous Exploration .....	6
5 Work Completed .....	7
6 Conclusions .....	7
7 References .....	8

## Figures in text

Figure 1      EL24224 illustrating location of surrendered block

## 1 Introduction

Exploration Licence 28224, “Hamilton” is located 50 km west northwest of Alice Springs and a few kilometres south of the Tanami Highway, which it runs parallel to. The title is held by Crossland Nickel Pty Ltd and is considered prospective for alluvial concentrations of Rare Earth Elements.

The tenement lies entirely within the Anburla 1:100,000 and Hermannsburg SF53-13 1:250,000 map sheets. Main access to the project area is via sealed roads - the Stuart and Tanami Highways, then by well formed station roads.

EL 28224 is part of Group Reporting GR086/09, which includes eleven (11) other licences and is one of twenty two (22) licences that comprise Crossland’s Charley Creek Project.

This report relates to one (1) sub-blocks that were cancelled by NTDME under Section 105 (3) of the Minerals Titles Act. The cancellation was necessitated due to a shortfall in the required exploration expenditure within the subject tenement.

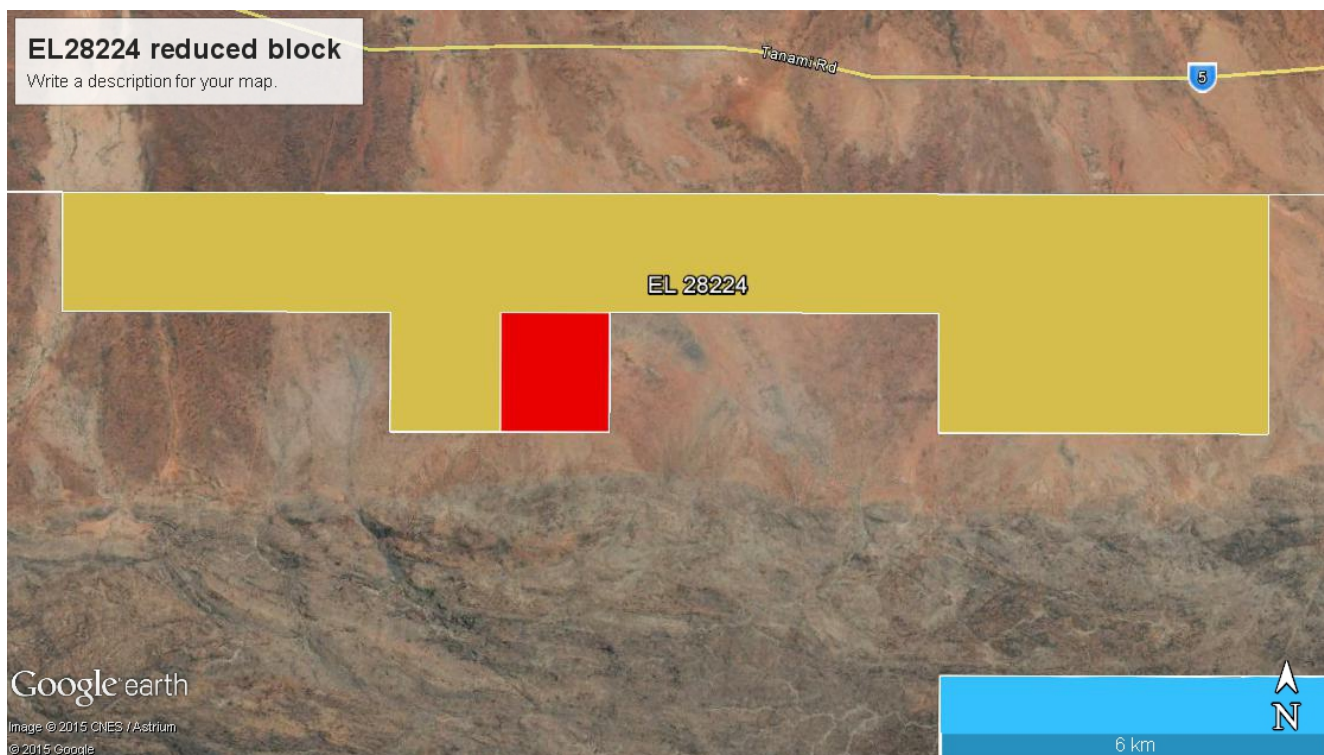
## 2 Tenure Details

EL 28224 was granted to Crossland Nickel Pty Ltd on 8 March 2011 for a period of 6 years. At grant, the licence consisted of 16 blocks covering an area of 50.35 sq km. Prior to this cancellation there have been no reductions in the size of the licence since grant. The tenement now consists of 15 blocks or 47.25 km<sup>2</sup>.

Following two years of under expenditure as part of an EPA (Group 086/09), Crossland received notice from NTDME on 3 September 2015 that the subject was to undergo a compulsory reduction of 165 blocks. Crossland chose four blocks for cancellation from this licence. The four blocks are : 2893 r; 2964 p and 2965 q, r.

Following this reduction Crossland applied for the equivalent reduction of expenditure.

See Figures 1 and 2 for previous and current licence details.



*Figure 1 EL 28224 illustrating position of surrendered block.*

### 3 Geology

The geology of the Charley Creek project area has been covered in detail in various reports to the department. The reader is directed to those reports for that information.

### 4 Previous Exploration

Regionally, there have been exploration activities undertaken by Conzinc Rio Tinto Australia Exploration (CRAE) for sedimentary uranium targets in the 1970s and nickel, copper and PGE in the mid to late 1990's. Several junior companies also explored the area for sedimentary uranium potential. Esso Australia Limited explored the Teapot Granite in 1977 for uranium following an airborne radiometric survey.

From the information available it appears that there has been no historical work carried out within the subject blocks.

## **5 Work Completed**

A review of all previous Crossland reports indicates that no specific exploration activities have been carried out over the cancelled blocks. There may have been some on-ground reconnaissance in the early years of the tenement.

Similarly there were two airborne geophysical surveys, AEM (Tempest) and mag-rad carried out in the region. These surveys may have covered some of the area within the subject blocks. Geophysical data was presented with the relinquishment report for this licence lodged with NTDME in May 2010.

## **6 Conclusions**

The four surrendered blocks fall (or partially fall) within the Mount Hay 'No-Go' zone. Particular lithological units within the Mount Hay complex were considered prospective for Nickel-Copper-Platinoids .

## 7 References

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