



Operator: Crossland Strategic Metals Ltd

Charley Creek

Arunta Region

Relinquishment Report for EL 29789 for the period 25 July 2013 to 24 July 2019

Tenement Holders: Crossland Nickel Pty Ltd and
Essential Mining Resources Pty Ltd

Paul Melville
July 2019

Summary

The subject tenement originally consisted of 14 sub-blocks when granted on 25 July 2013 to Crossland Nickel Pty Ltd (Crossland) and Panconoz Pty Ltd. The latter entity was purchased by Essential Mining Resources Pty Ltd. (EMR) in 2016. Crossland holds a 56.28% and EMR 43.72% ownership of the licence. Both companies are wholly owned by Crossland Strategic.

As the licence has reached the end of its initial 6 year period of grant, a 50% reduction in the size of the EL is normally required. As there are only 6 sub-blocks remaining, the reduction is limited to two (2) sub-blocks.

No on-ground exploration activities have been carried out within the relinquished area.

Bibliographic Data

Report Title	Relinquishment Report for EL 29789 for the period 25 July 2013 to 24 July 2019
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Project Name	Charley Creek
Tenement Number	EL 29789
Tenement Holders	Crossland Nickel Pty Ltd and Essential Mining Resources Pty Ltd
Operator	Crossland Strategic Metals
Limited Commodities	Rare Earth Elements
Tectonic Unit	Arunta Region
1:250 000 MapSheet	Hermannsburg (SF53-13)
1:100 000 MapSheet	Anburla 5551
Keywords	Arunta Region, Charley Creek, REE

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1 Introduction

Exploration Licence 29789 is centred approximately 100 kilometres northwest of Alice Springs. The location of the tenement prior to the latest reduction is illustrated in Figure 1. Access is via the sealed Tanami Highway, then by station roads and tracks via Milton Park Homestead.

The tenement is one of fourteen licences that comprise Crossland Strategic Metals Limited Charley Creek Rare Earth project. The primary target is Rare Earth Elements (REE).

This report deals with 2 sub-blocks that were relinquished by Crossland as a condition of renewal.



Figure 1 Google Earth image showing regional location of EL 29789 before reduction

2 Tenure Details

EL 29789 was originally granted to Crossland Nickel Pty Ltd and Panconoz Pty Ltd. (Panconoz) on 25 July 2013 for a period of six years. On grant, the licence comprised 14 sub-blocks, an area of approximately 44.13 km². In early 2016 EMR became the new JV partner, acquiring the share of Panconoz, a wholly owned subsidiary of Pancontinental Uranium Corporation of Canada. EMR is now wholly owned by Crossland Strategic Metals Limited.

Following relinquishment, the licence now consists of 4 sub-blocks, an area of approximately 18.91 km². See Figure 2 on the following page.

Details of the blocks / sub-blocks that Crossland cancelled are as follows :

Map Sheets : 1:250,000 – SF53-13 Hermansburg

1:100,000 – 5551 Anburla

Blocks : part 2891

Tabulation of Blocks with Sub-Blocks relinquished.

Block	Sub-Block
2891	y, z

3 Geology

EL 29789 lies on the extensive alluvial outwash of the north-flowing Charley Creek, and is located between the lower proterozoic Mount Hay and Mount Chapple complexes. Surficially, the country within the licence consists of recent soils, clay and sand overlying coarse gravels, sand and clay. There is no outcrop on the relinquished parts of the tenement.

4 Previous Exploration

There is no record of any historical exploration activities within the relinquished area.



Figure 2 EL29789 sub-blocks Relinquished and Retained

5 Work Completed by Crossland

No on-ground work was carried out by the company in the area relinquished.

6 Conclusions

The surrendered ground may have some potential for the occurrence of alluvial REE concentrations.

7 References

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Warren R G and Shaw, R.D. 1995, Hermannsburg NT – 1:250,000 Scale Map Geological Series. SF53-13. Australian Geological Survey Organisation, Canberra.