

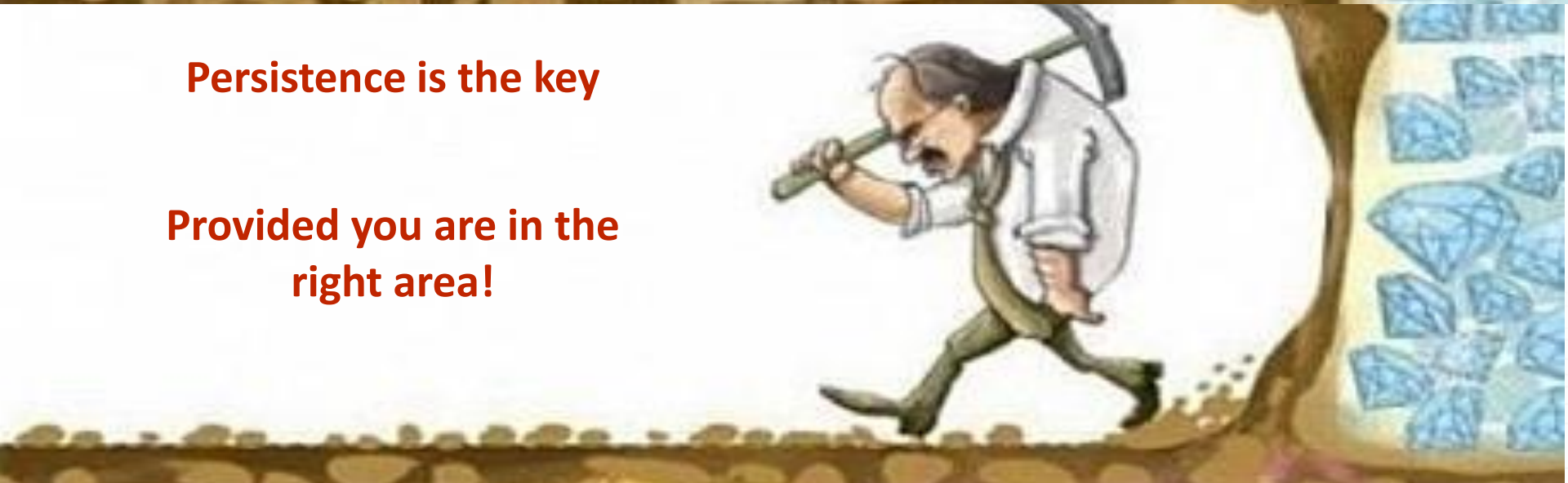


**Exploring for Major Discoveries in  
World Class Terranes**



**Persistence is the key**

**Provided you are in the  
right area!**



# 2020 Vision: Focus on Greenfields Exploration in Two Major Belts

## 1. Broken Hill, New South Wales (IPT 100%)

- Home to the giant **Broken Hill** silver-lead-zinc deposit (>300 Mt)
- Large strategic ground holding of **815 sq km**. **Drilling in progress.**
- Highest platinum group metal (PGM) grades in Australia discovered by Impact:
- Potential for **major nickel-copper-PGM** mining camp over a 40 km belt.

**815 sq km**

Large strategic  
ground holding

## 2. Commonwealth, NSW (IPT: 100%)

- Large strategic ground holding of **902 sq km** close to recent **Boda** discovery and large copper-gold deposits of the Lachlan Fold Belt.
- Potential for giant copper-gold deposits like Cadia (>40 Moz Au, >10 Mt Cu) and VMS deposits like Eskay Creek (4 million oz Au, 180 million oz Ag)
- IP survey in progress. Numerous targets and follow up drilling required including at the Commonwealth resource

**902 sq km**

Large strategic  
ground holding

## 3. Other Projects (IPT 100%)

- **Arkun, WA:** Large strategic ground holding of 2,000 sq km in the emerging Ni-Cu-PGE Province. Surrounded by Anglo American Corporation.
- **Blackridge, QLD:** 150 sq km covering majority >300,000 ounce gold field.

**Other  
Strategic  
Holdings**



# Introducing Impact Minerals (ASX: IPT)

## Capital Structure

Listed on ASX	November 2006
Shares on Issue	1,770 million
Options	172.5M unlisted Executive
Share Price	2.7 c
Market Cap	\$45 million
Cash	\$4.5 million

## Shareholders

Bunnenberg Family	11%
ABC Beteiligungen	11%
Directors	3%
Top 20	43%
Top 50	52%
No of Shareholders	3,500

**2 year**  
Share price



Major exploration boom in progress driven  
by gold and PGM's

# Broken Hill Project, PGM-Nickel-Copper, New South Wales



# Record Palladium (and Rhodium) Prices: 9 years of deficit



85% used in exhaust systems.

Increased demand in hybrid vehicles (where are the EV's?).

Supply not increasing to meet demand as it is mostly a by product of platinum mining which has struggled.

Mined mostly in South Africa and Russia



**Rhodium**  
**US\$11,000/oz**



# Broken Hill Project Overview

1. Major land position of 815 sq km in one of Australia's most prolific mining belts
2. Highest drill hole PGM grades in Australia including rare PGM's Rh, Os, Ru and Ir.
3. Multiple targets for nickel-copper-PGM deposits

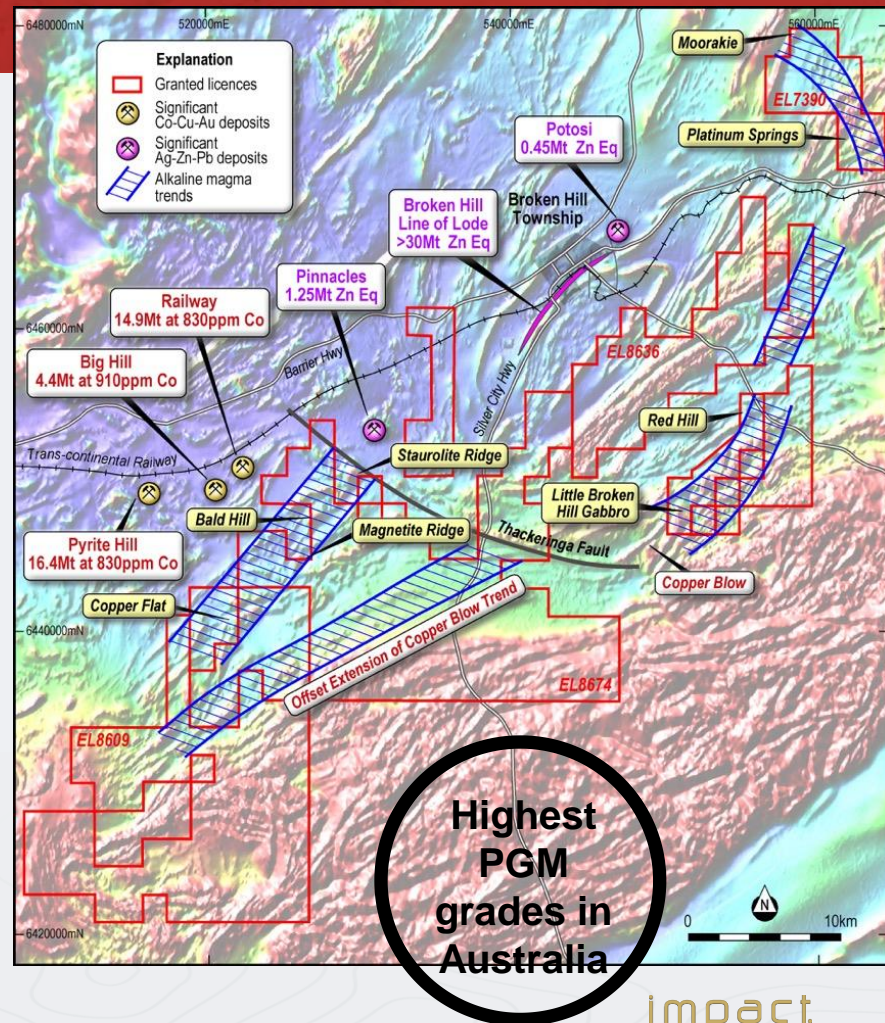
**Red Hill:** Impact discovery of very high grade PGE's.

**Platinum Springs:** high grade magmatic nickel-copper-PGE sulphide.

**Moorkai:** High grade rock chip samples over 9 km trend.

**Rockwell-Little Broken Hill Trend:** poorly explored intrusion similar to Jinchuan and Voiseys Bay.

4. Potential for million ounce PGM discovery
5. Significant zinc-lead-silver potential



# Moorkai-Platinum Springs: Magmatic Ni-Cu-PGM sulphides

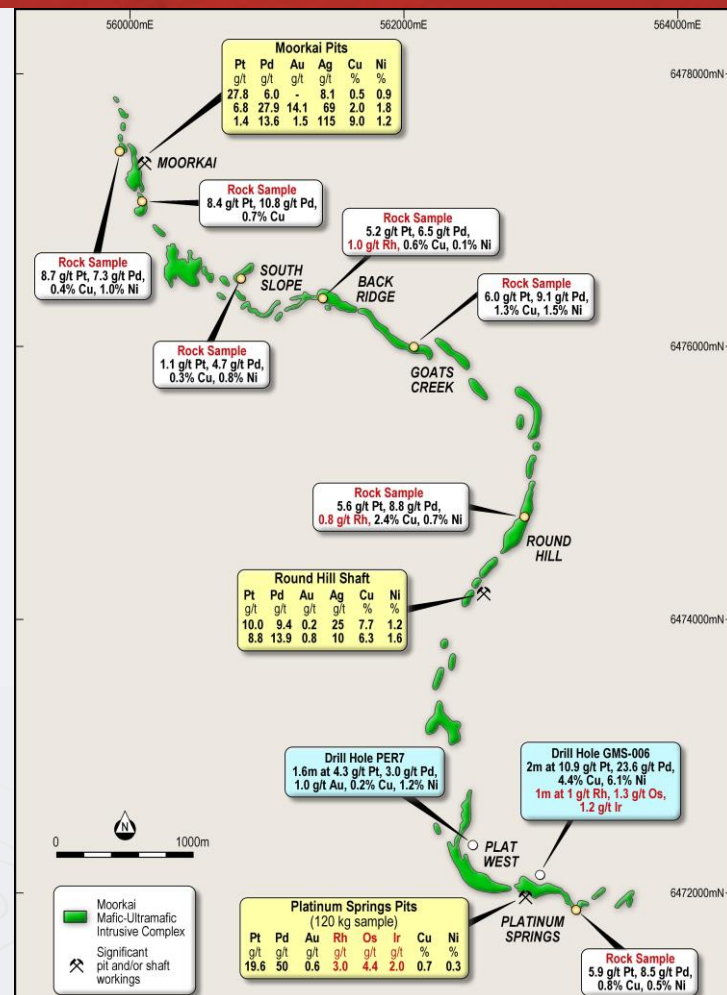
## Platinum Springs



0.6 metres at 11.5 g/t platinum, 25.6 g/t palladium, 1.4 g/t gold, 7.6% copper, 7.4% nickel and 44.3 g/t silver from 57.1 metres down hole

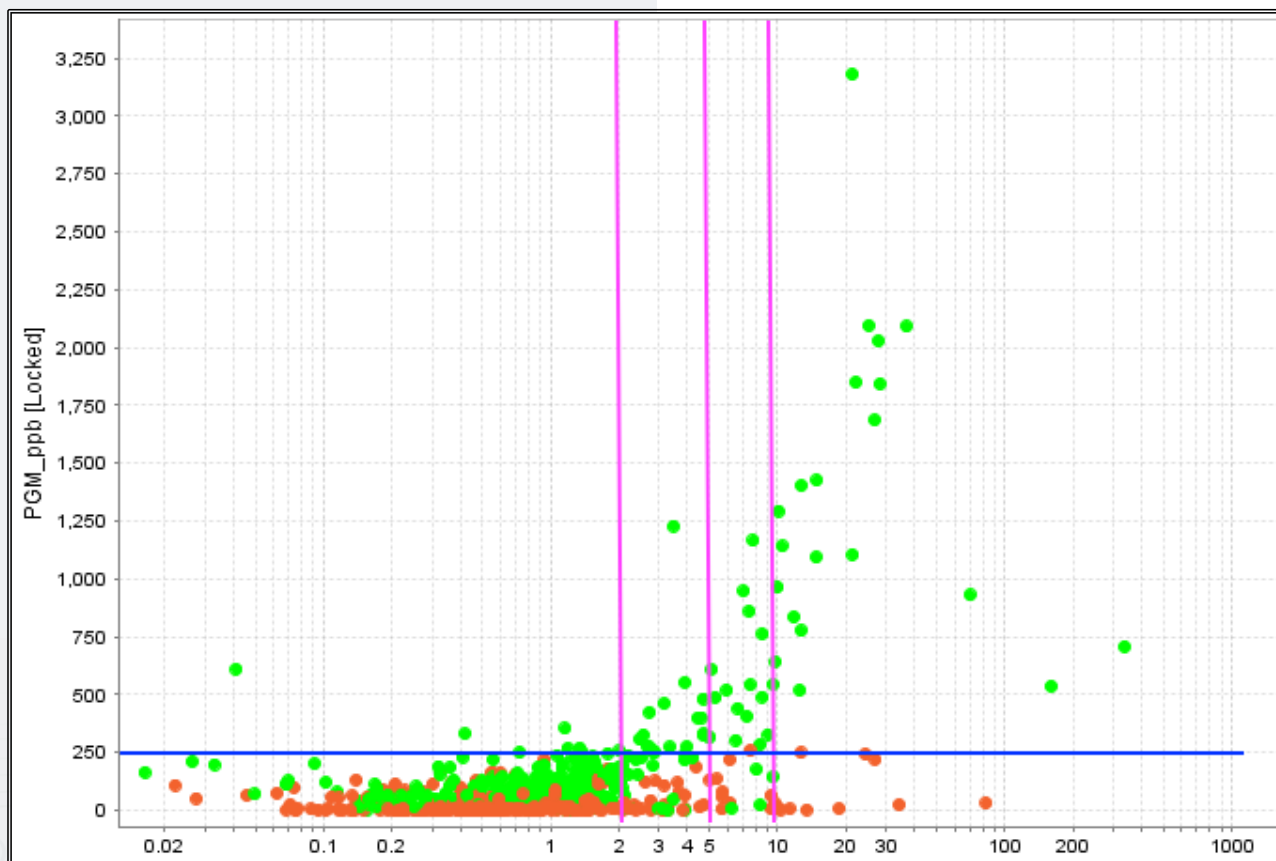
within a broader intercept of

2.75 metres at 3.5 g/t platinum, 7 g/t palladium, 0.4 g/t gold, 2% copper, 1.9% nickel and 11.6 g/t silver <sup>8</sup>.

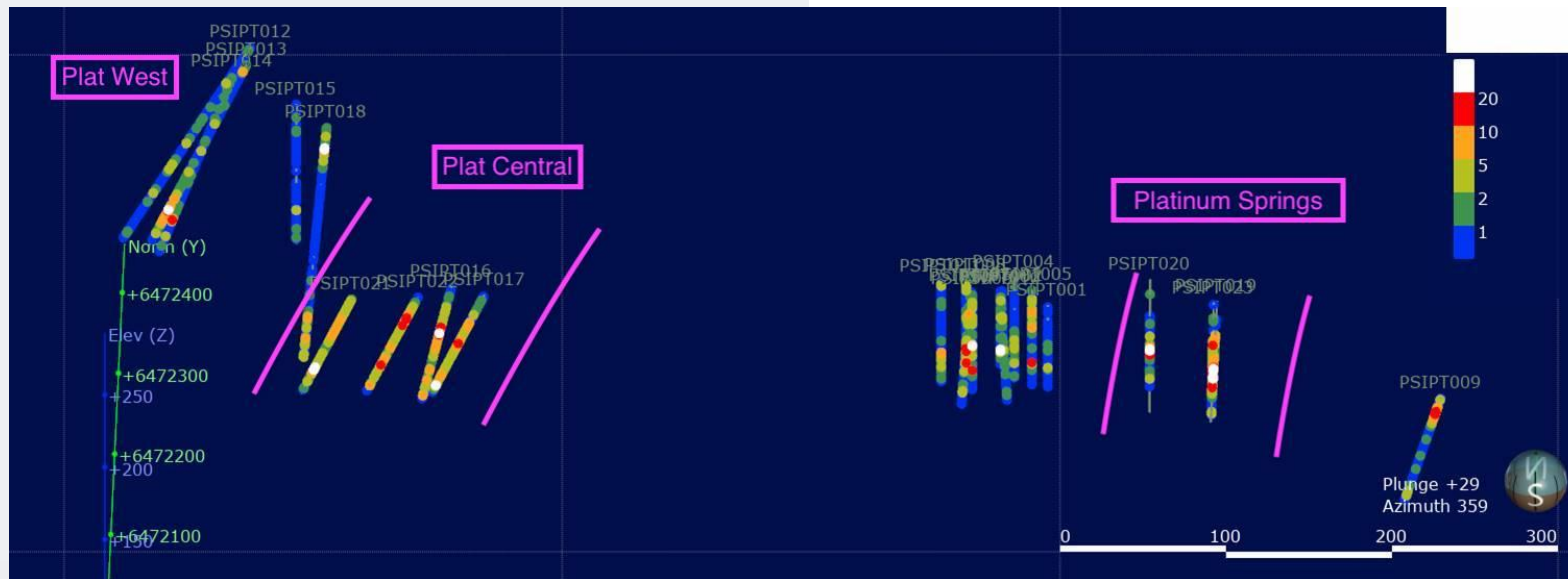




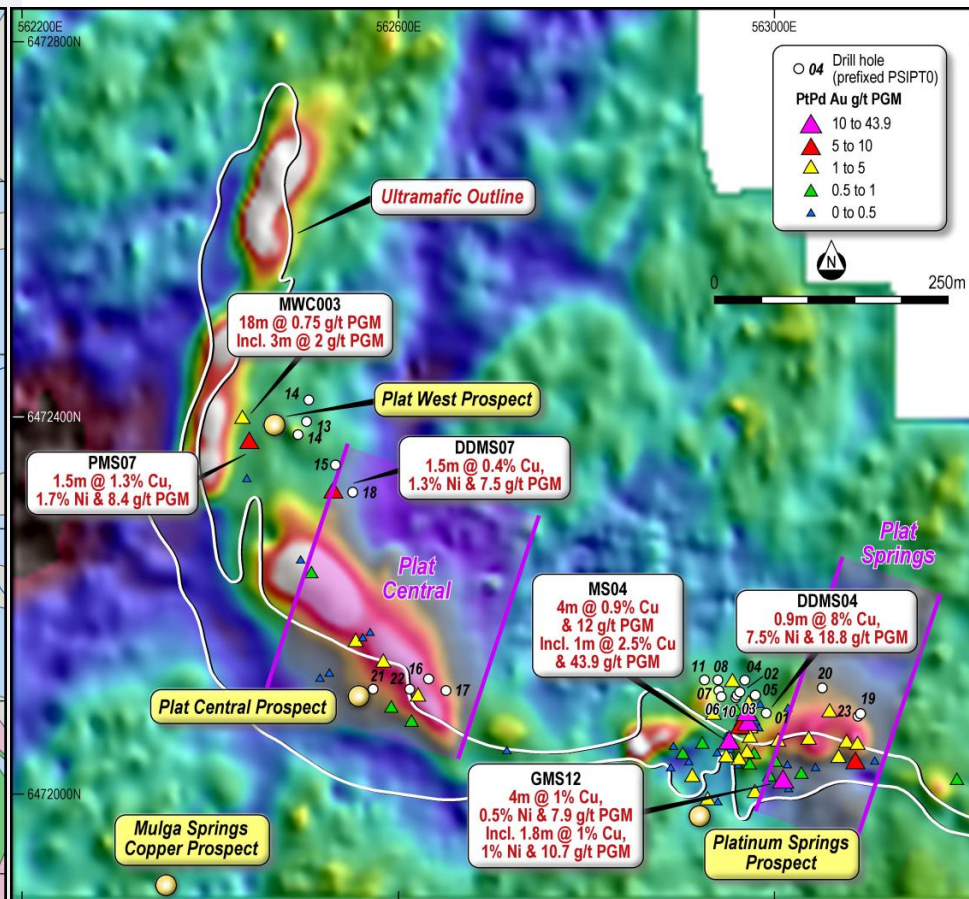
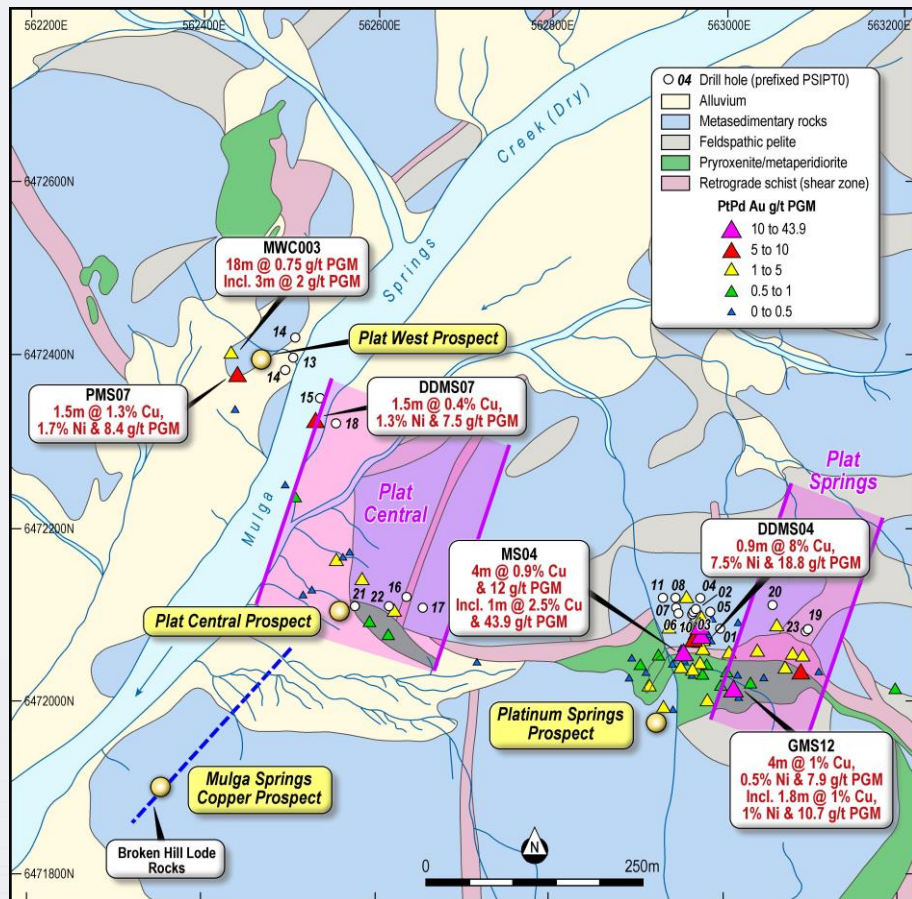
# Ratios R Us – A vector to high grade PGMs?<sup>14</sup>



# Ratios R Us – Hand held XRF appears to work <sup>14</sup>



# Platinum Springs: Two high grade corridors and drilling in progress <sup>14</sup>



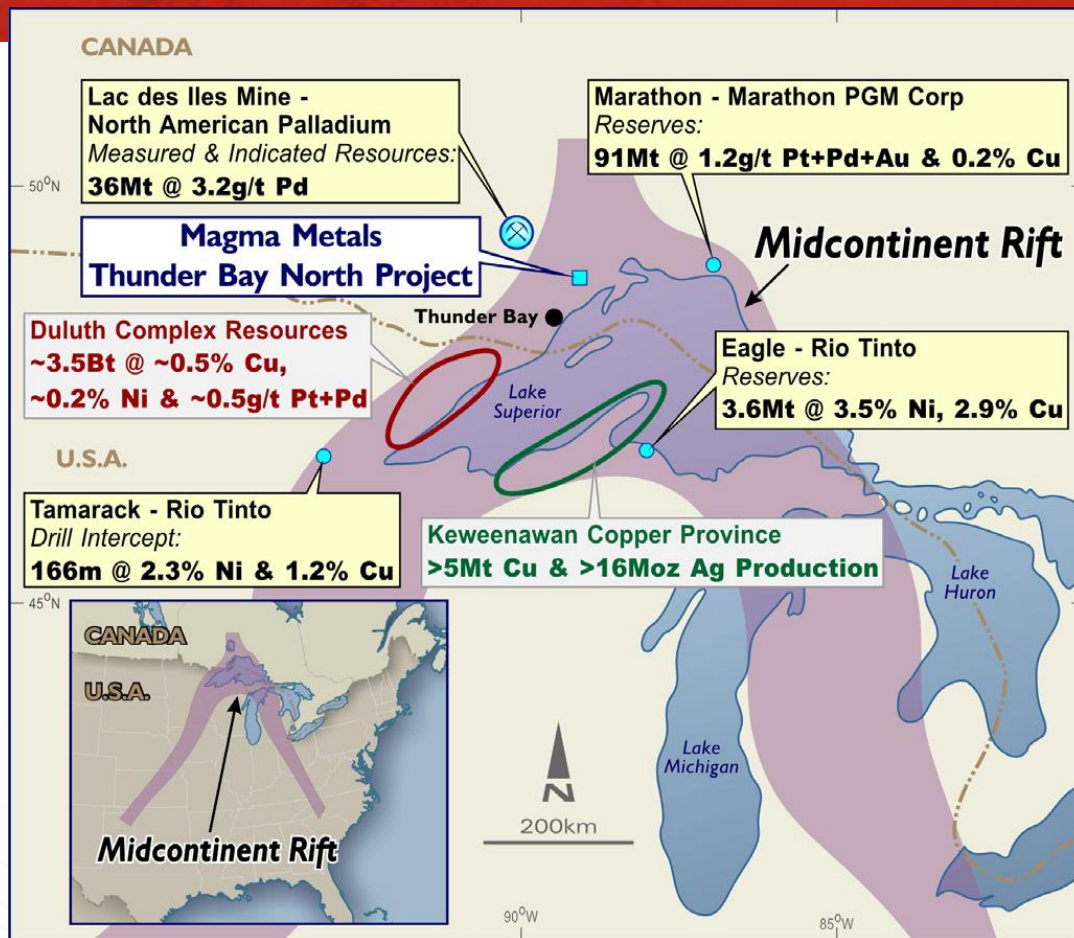


# What could be at Moorkai?

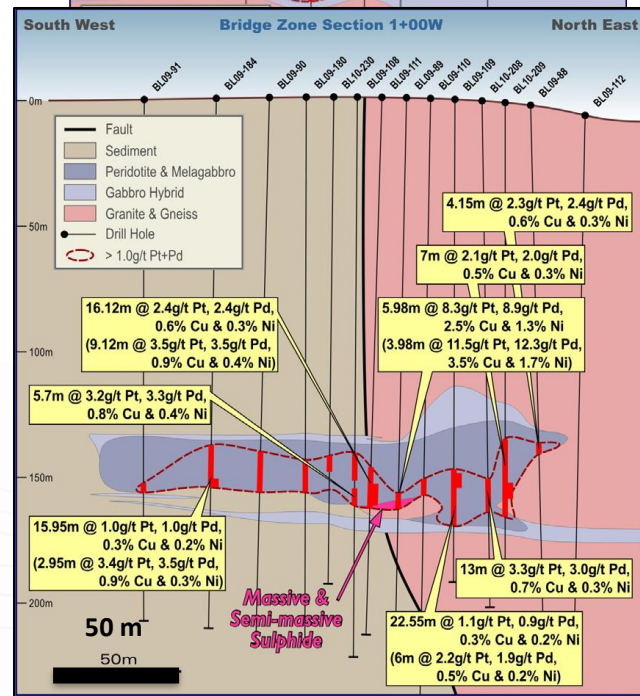
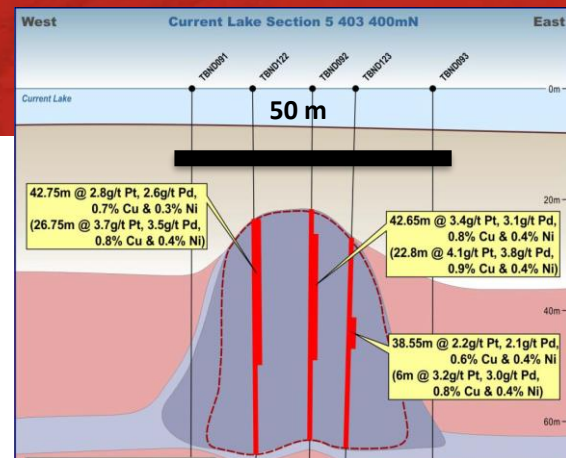
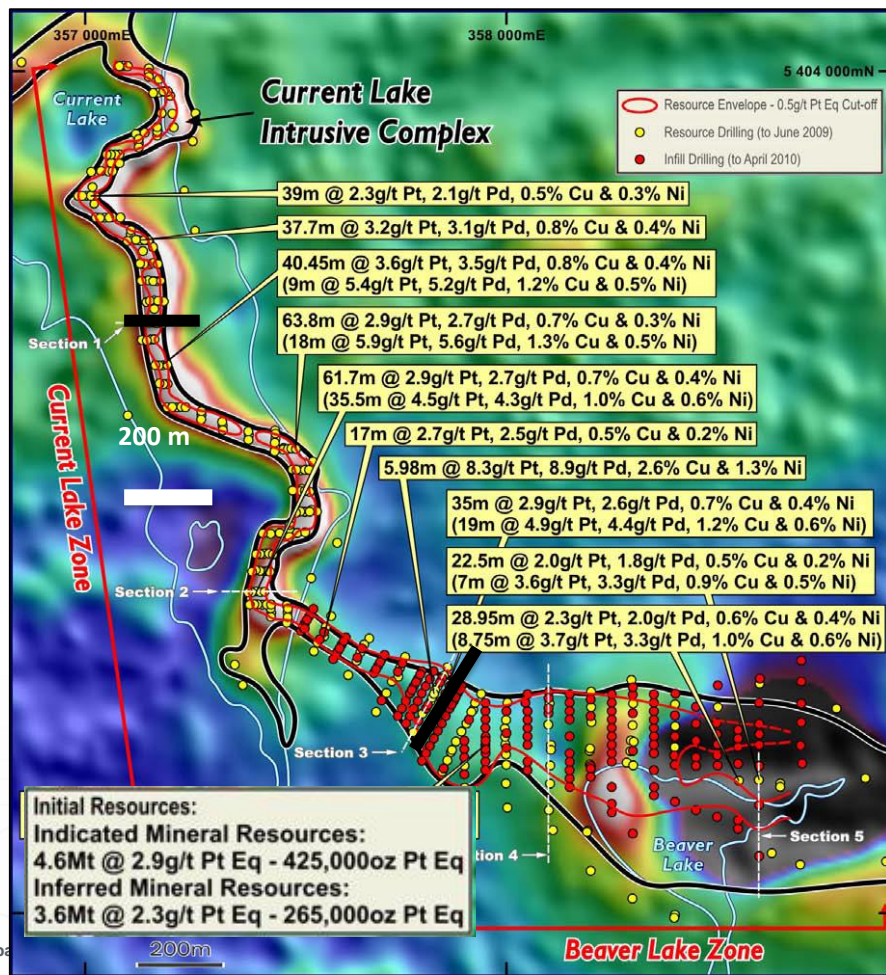
## North American Mid-continent Rift

Giant Duluth Complex and associated feeder systems

Thunder Bay North and Eagle are two deposit styles that could be present at Broken Hill.



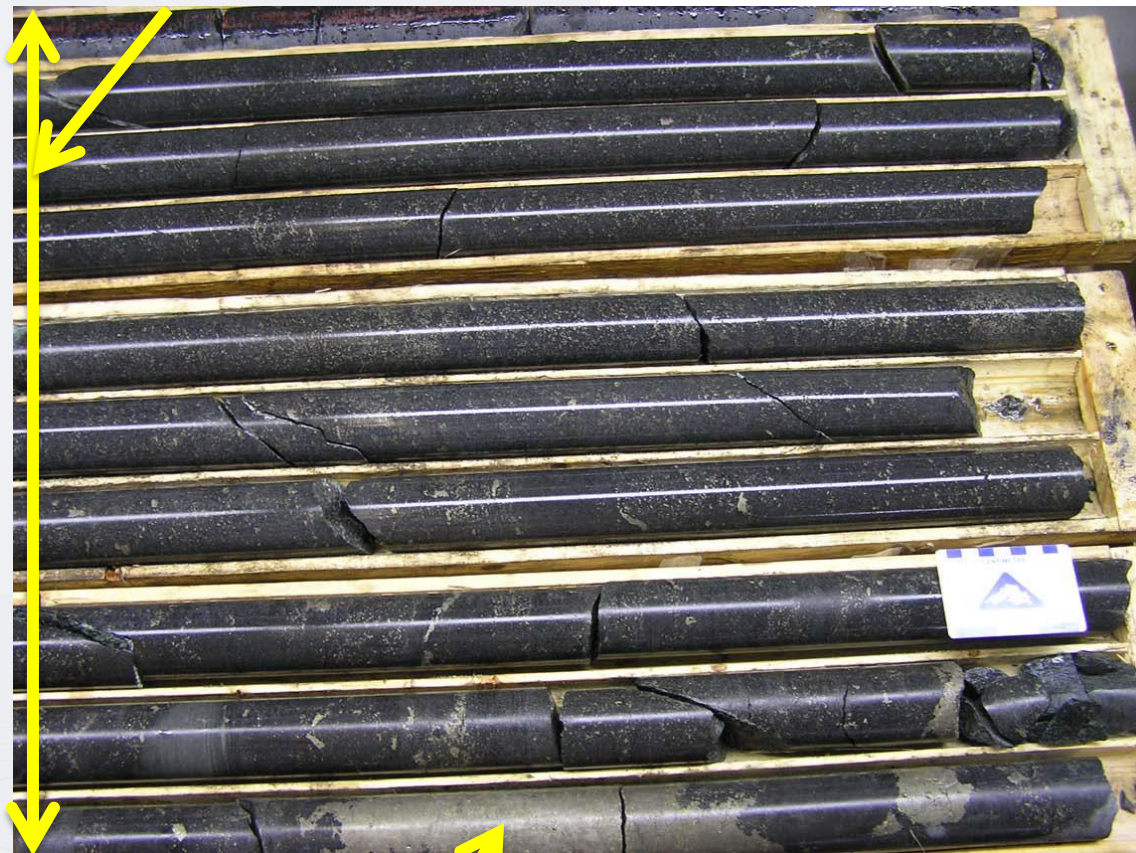
# Thunder Bay Chonolith





## Thunder Bay: Sulphide Mineralisation

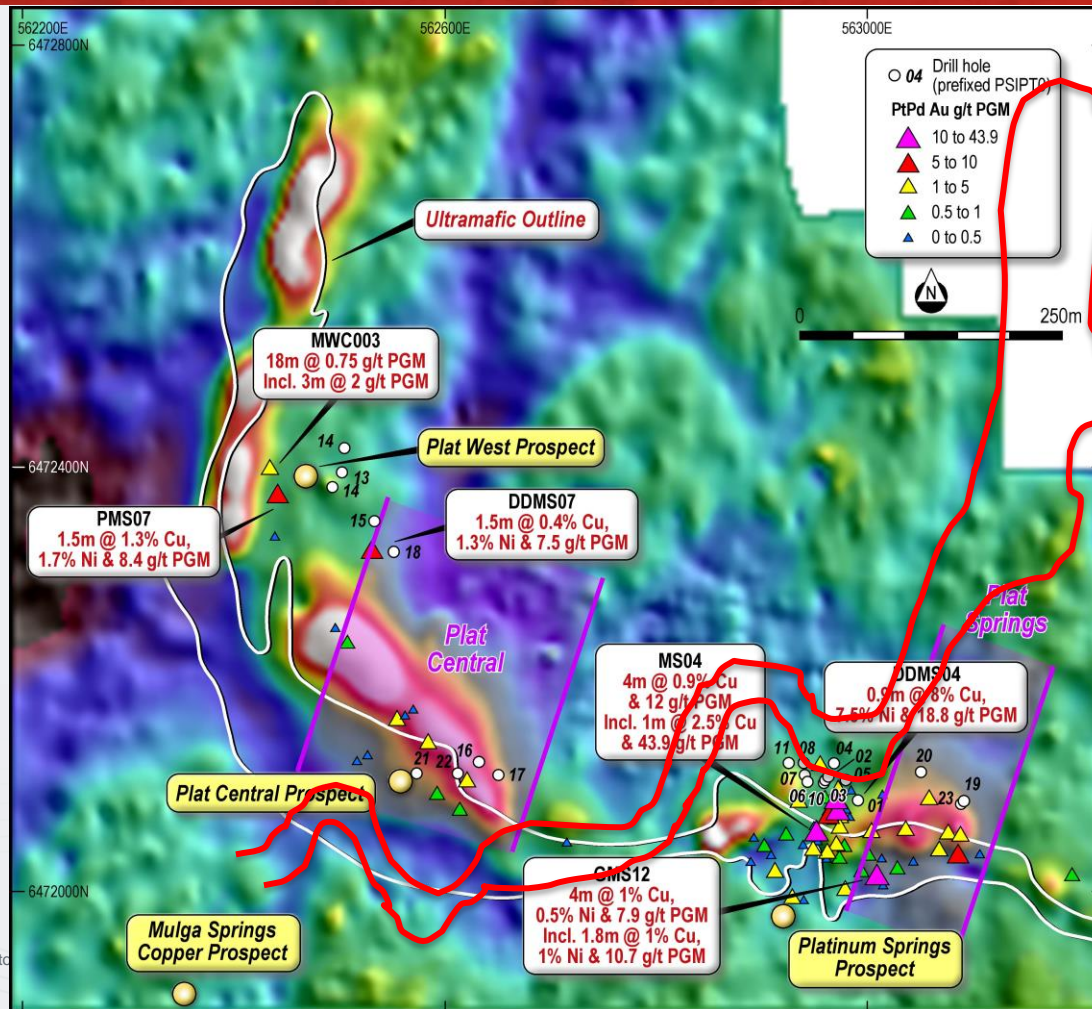
**8.75m @ 6.98g/t Pt+Pd, 1.00% Cu & 0.62% Ni**



**0.4m @ 24.55g/t Pt+Pd, 3.7% Cu & 2.9% Ni**



# Comparison to Thunder Bay Resource outline



**Thunder Bay  
Resource Outline!**

# High Grade Indeed! – RHD012 Hydrothermal Vein System



*1.2 metres at*

4.6 g/t rhodium, 7.2 g/t iridium, 5.6 g/t osmium and 3.1 g/t ruthenium  
10.4 g/t platinum, 10.9 g/t gold, 294 g/t (9.5 ounces) palladium  
(335.8 g/t (10.8 ounces) 6PGE+gold)  
7.4% nickel, 1.8% copper and 19 g/t silver

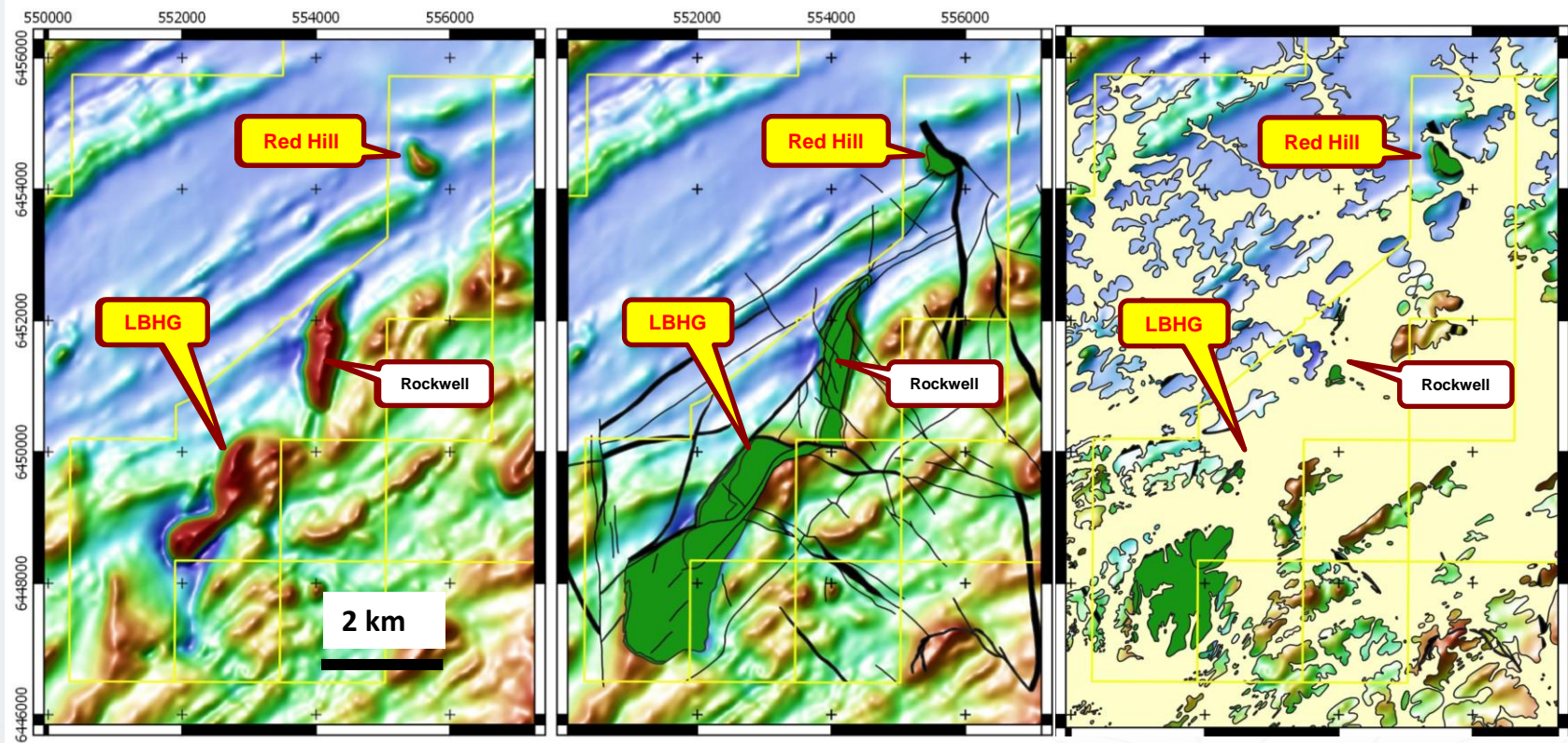
10 ounces  
of  
Palladium

*Within a thicker intercept of 3.5 metres at*

1.7 g/t rhodium, 2.6 g/t iridium, 2.0 g/t osmium and 1.1 g/t ruthenium  
5 g/t platinum, 6 g/t gold, 144 g/t (4.6 ounces) palladium  
(159 g/t (5.3 ounces) 6PGE+gold)  
2.9% nickel, 2.3% copper and 14.5 g/t silver <sup>5,6</sup>



# Little Broken Hill: 6 km long intrusion with 1 drill hole >25m <sup>14</sup>



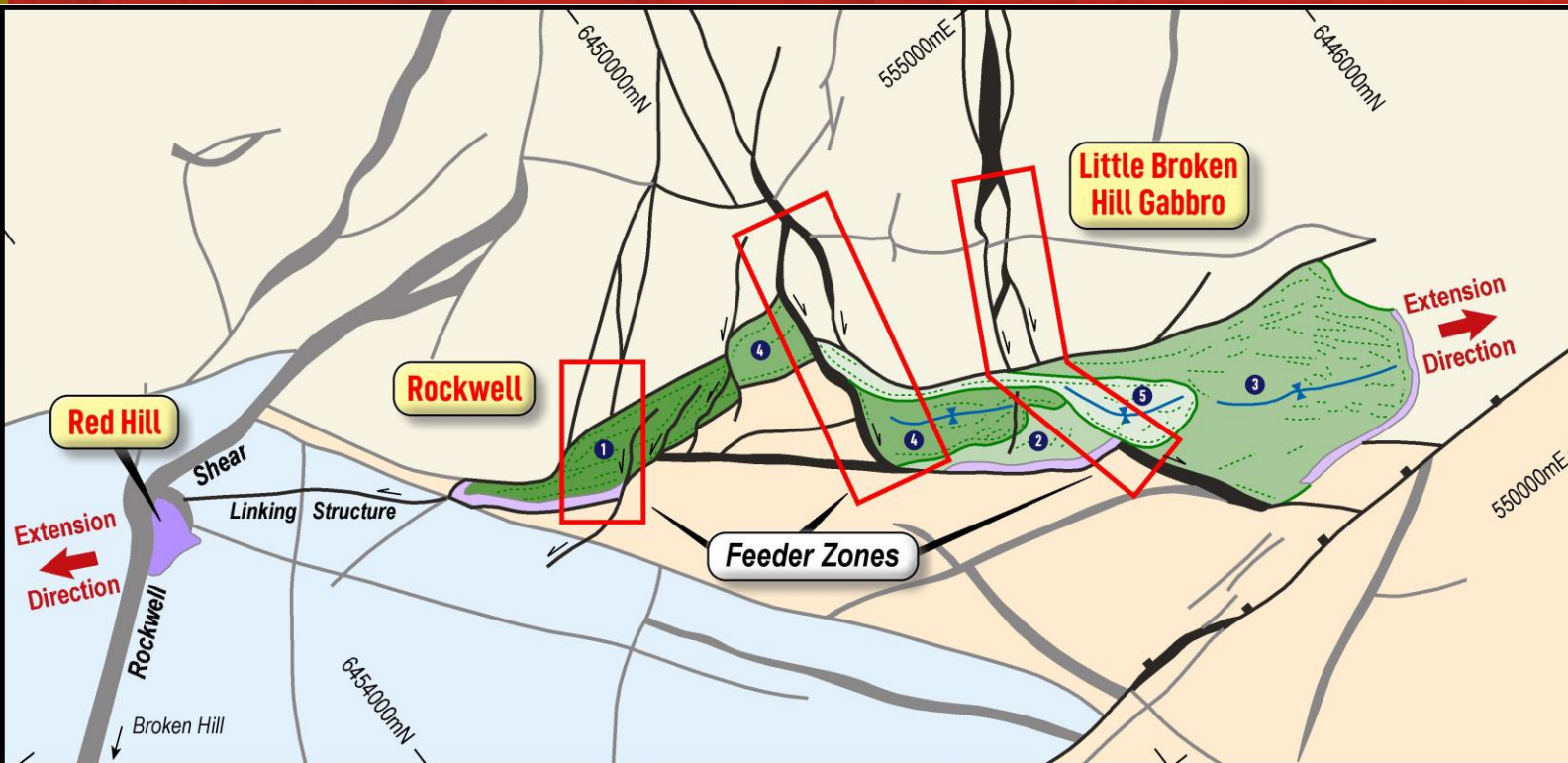
Magnetic Data

Extent of Gabbro

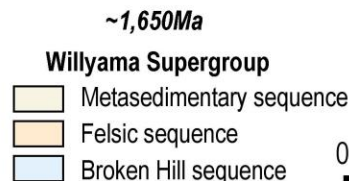
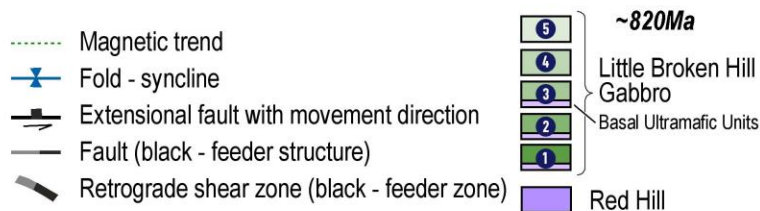
Extent of Cover



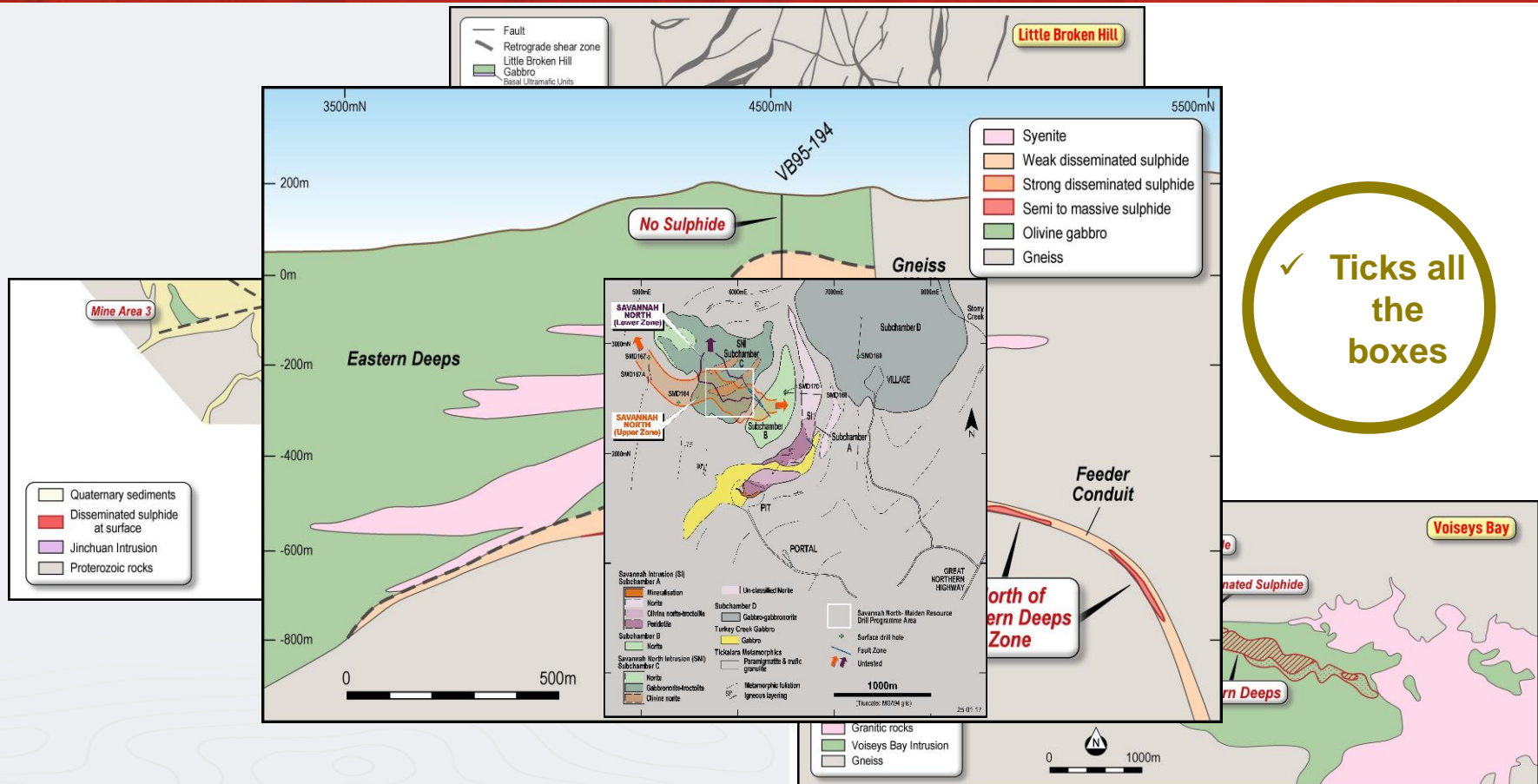
# The gravity of the situation at Little Broken Hill: Priority Feeder Zone Targets identified <sup>13</sup>



Feeder zones under cover



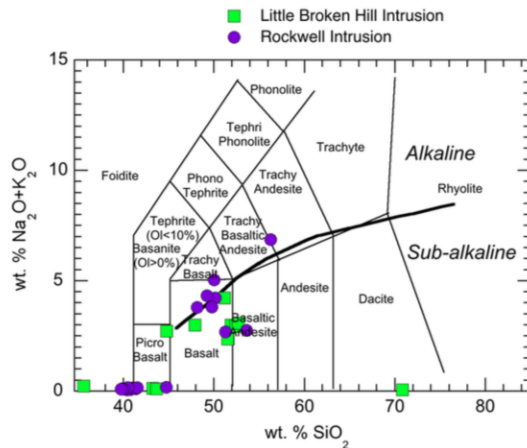
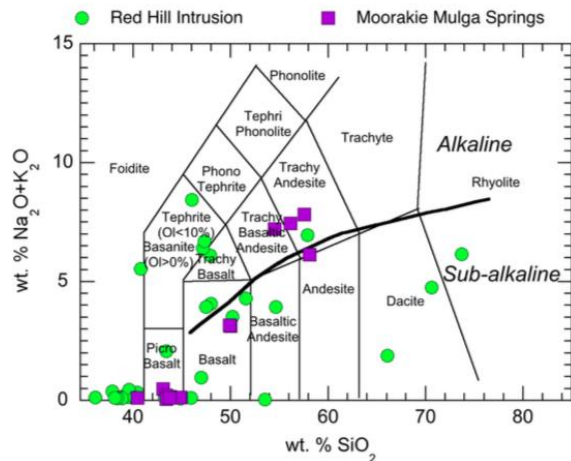
# Little Broken Hill: Similar size to Jinchuan and Voiseys Bay



✓ Ticks all the boxes

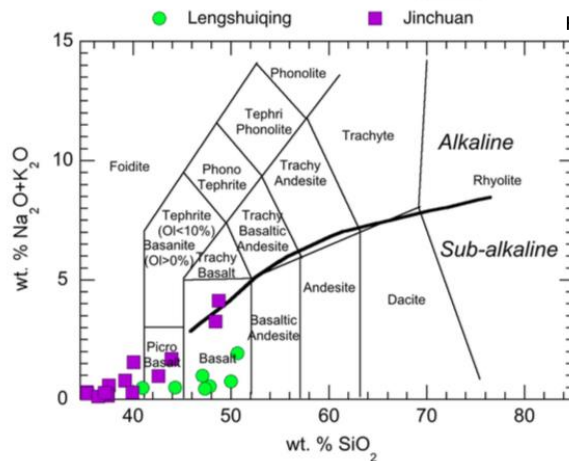
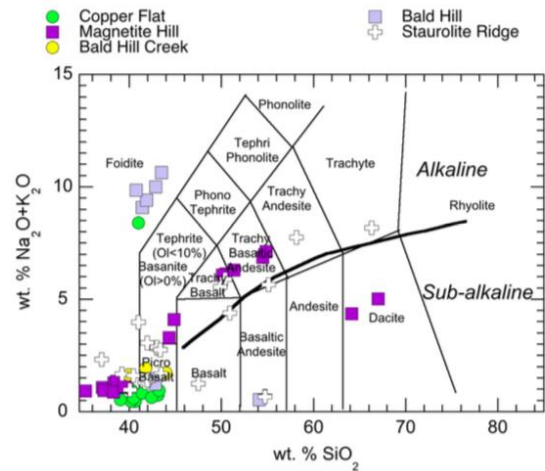
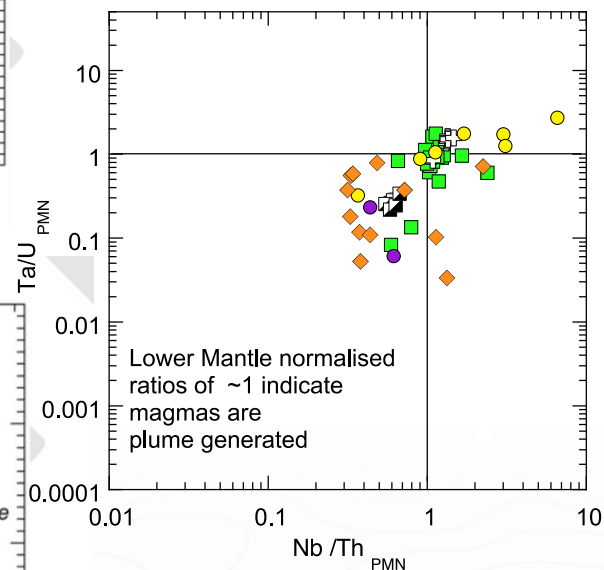


# Key Messages from the Geochemistry: alkaline rocks



Red Hill Intrusion & Moorkaie Mulga Spings Dyke System

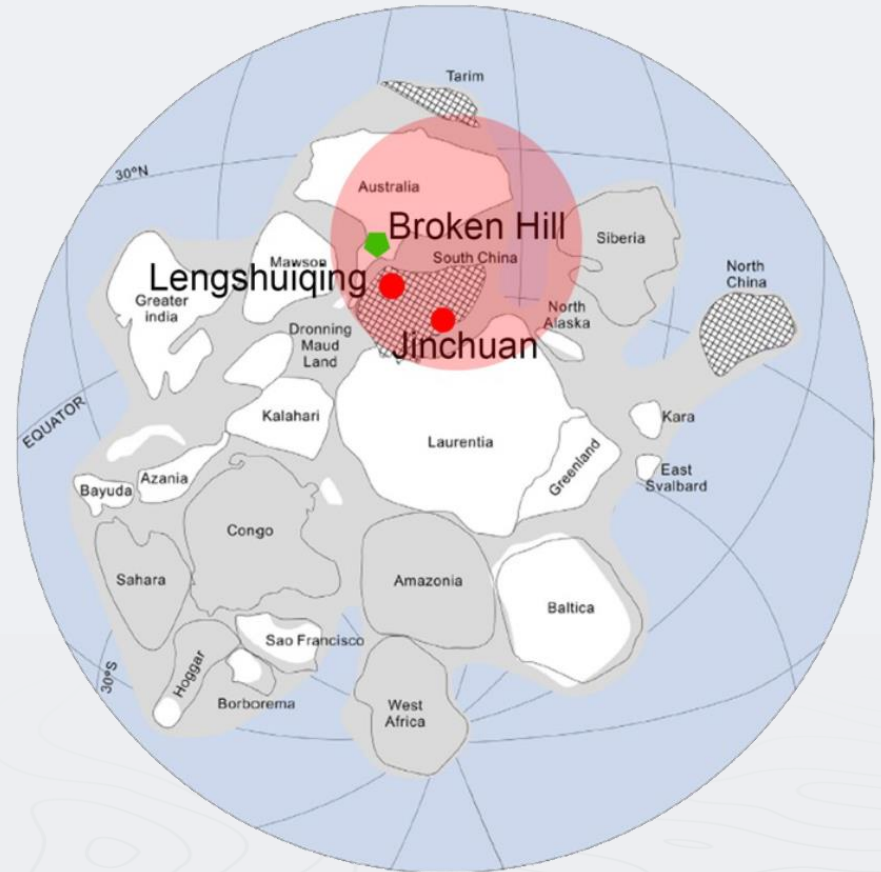
- Red Hill Intrusion
- Moorkaie-Mulga Springs Intrusion
- Metasomatised Ultramafics
- Alkali Gabbros
- Lamprophyres
- Fenitised Supracrustals



# A new geodynamic setting for Broken Hill at c.800Ma

- Nickel-copper-PGE bearing intrusions related to the break up of the supercontinent Rodinia about 800 million years ago.
- Break up is related to a mantle plume head (red circle) responsible for the breakup of Rodinia which formed the Jinchuan and Lengshuiqing Ni-Cu-Co-PGM deposits.
- Broken Hill was located in the same region at the time and so has the geological setting to host major Ni-Cu-PGM deposits.

**Jinchuan: >500Mt at 1.2% Ni 0.7% Cu 0.4 g/t PGM**

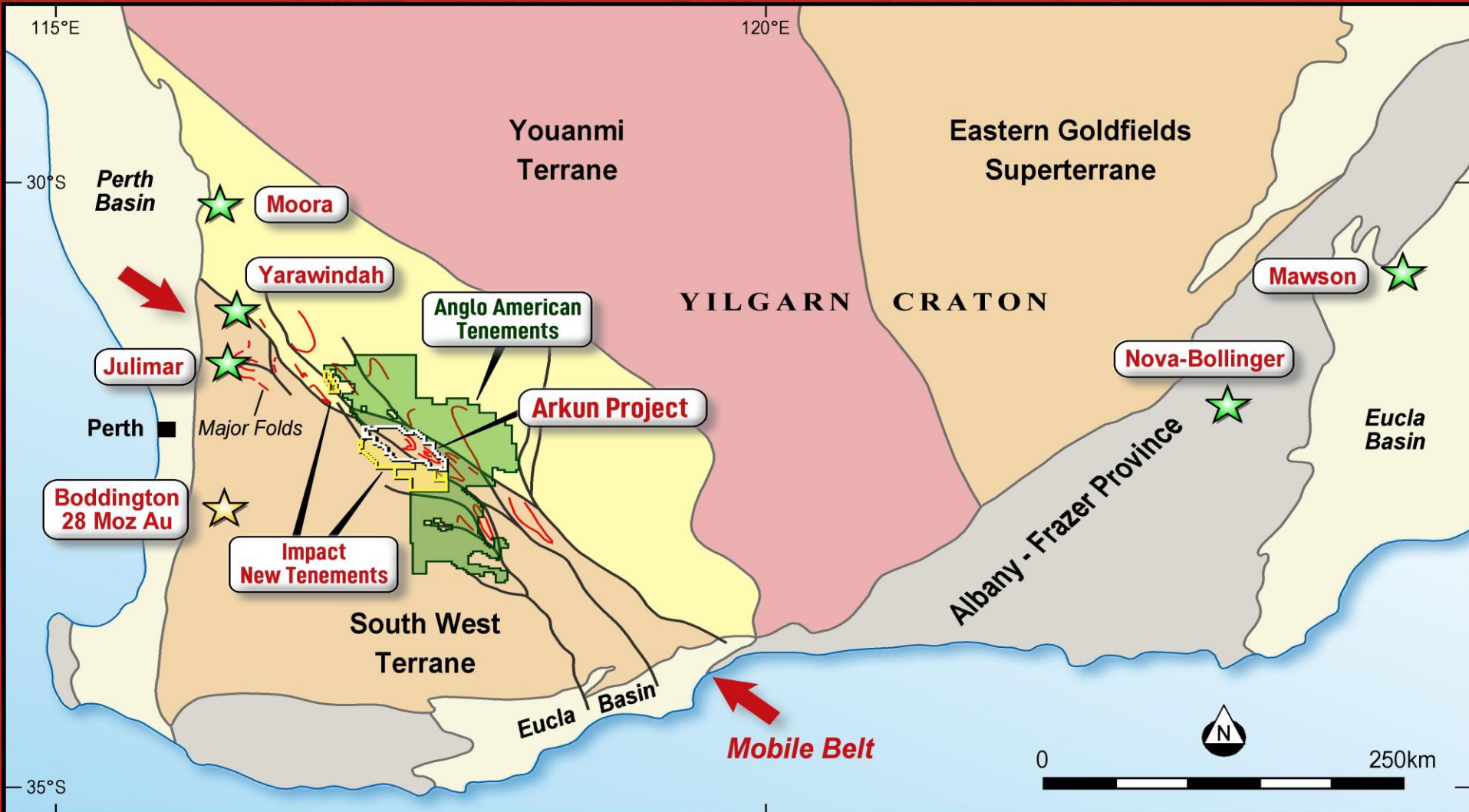




## A New **MINERAL SYSTEM** Model for Broken Hill

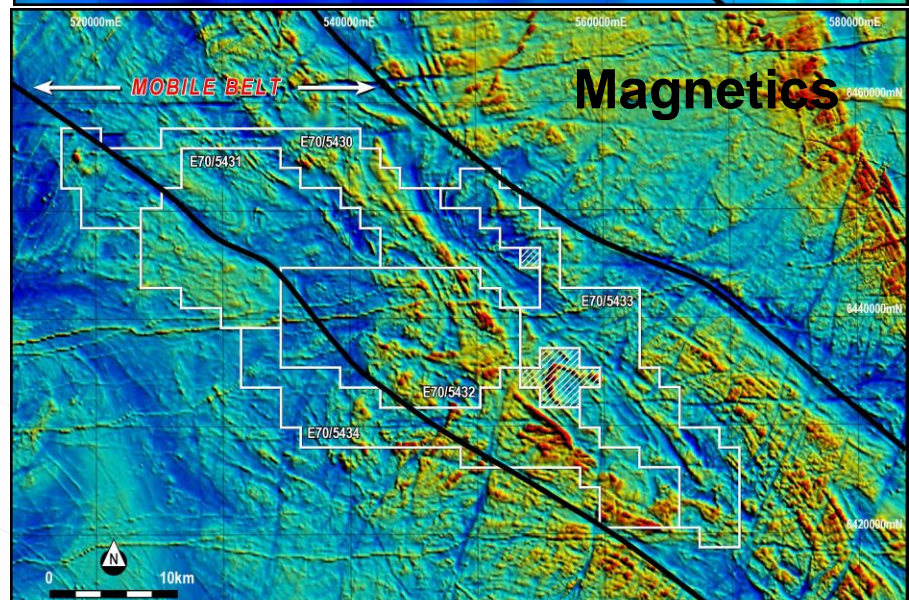
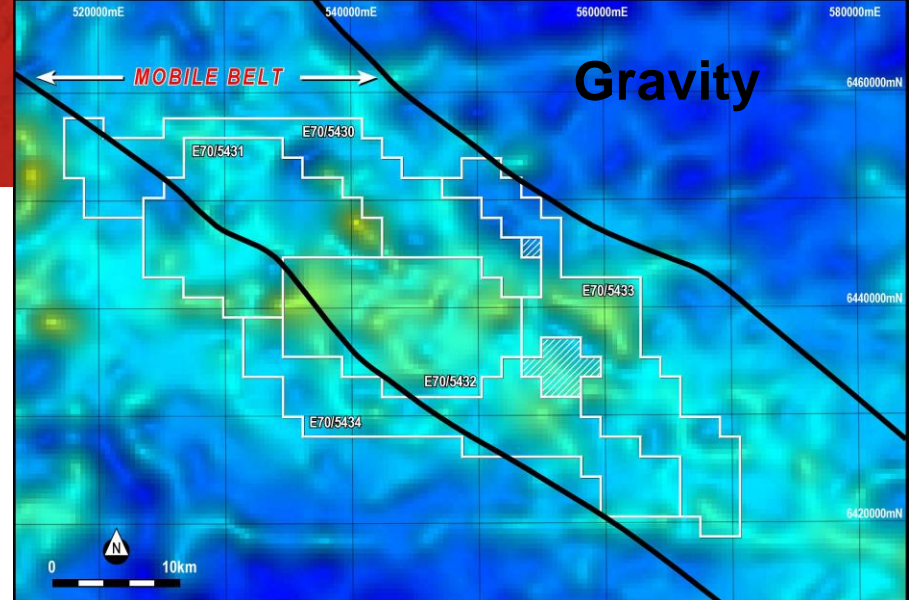
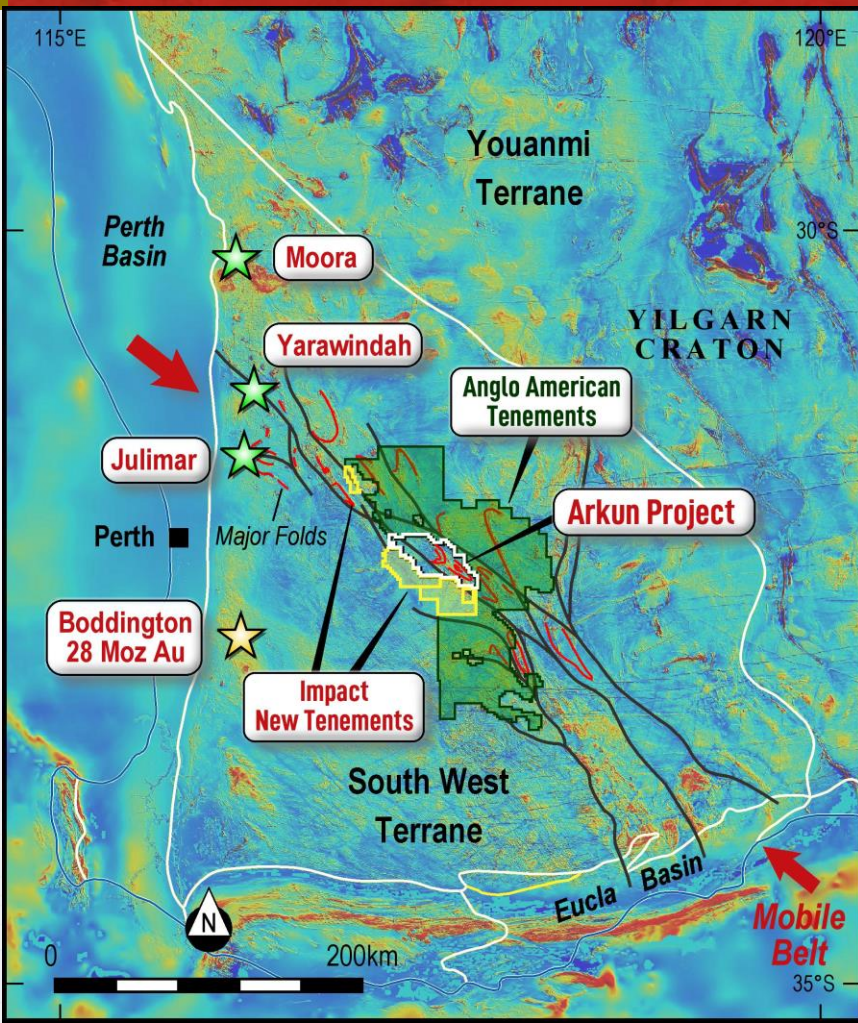
- PGE-Ni- Au-Cu likely transported by upwelling plume-generated alkaline magmas originating from the core-mantle boundary at 820 Ma during break up of Rodinia.
- The core-mantle boundary zone is enriched in this assemblage of metals that are anomalously concentrated in the Broken Hill district
- An alkaline model may also explain the metal endowment for zinc-lead-silver: Plimer 1985 “The Broken Hill orebody has the gross composition of a carbonatite”.
- The model has geodynamic support as the fragmentation and dispersal of the supercontinent Columbia also occurred at ~1600 to ~1650 Ma, the inferred age of the Broken Hill mineral system.
- Understanding the mineral system clearly has important implications for exploration in the district

# Arkun Project, SW Yilgarn Craton, WA



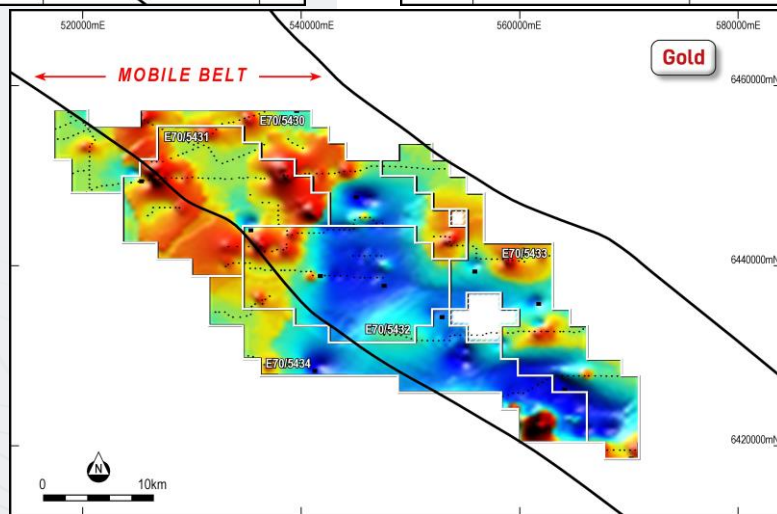
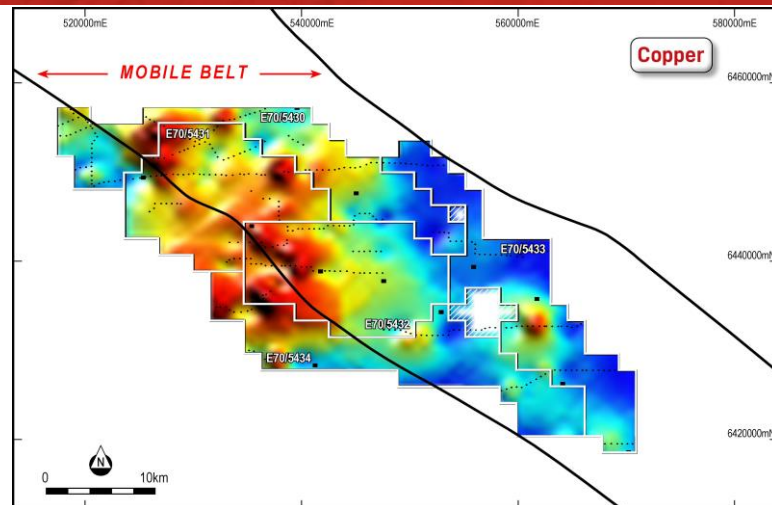
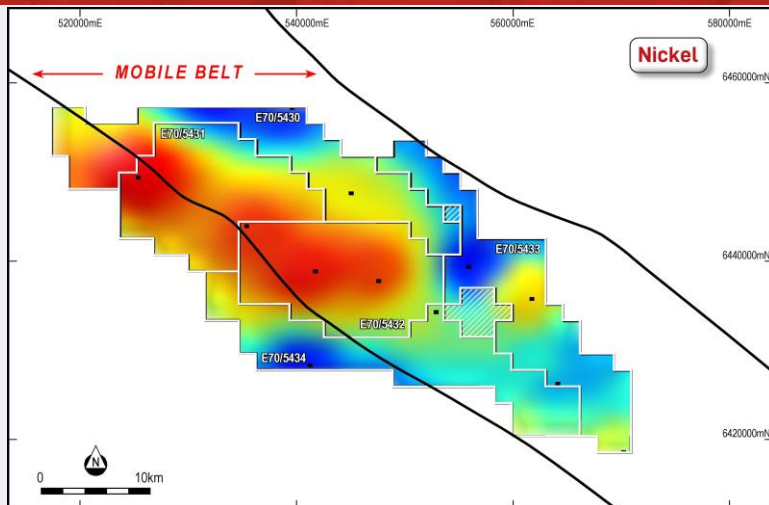


# Regional Geophysics





# Regional Soil Geochemistry





# 2020 Vision: Next Steps

## 1. Broken Hill, New South Wales (IPT 100%)

- Drilling in progress: Platinum Springs, Red Hill and Little Broken Hill Gabbro.
- Programme of 8,000 metres aircore and RC.
- Strong newsflow.

Drilling in  
progress

## 2. Commonwealth, NSW (IPT: 100%)

- Major porphyry copper-gold target identified in soil geochemistry survey at Apsley.
- Ground IP survey in progress.
- Drill target definition and drill programmes in Q1 2021 subject to stat. approvals.

Target  
Generation

## 3. Other Projects (IPT 100%).

- Arkun and Blackridge: target generation awaiting grant of licences in Q4.

Target  
Generation

# JORC Compliance

The information in this presentation relating to Exploration Results has been extracted from the following reports:

## ASX Release Date. Title of ASX Release

14. 6 October 2020	Encouraging Signs at Platinum Springs
13. 9 July 2020	The gravity of the situation at Little Broken Hill NSW
12. 10 June 2020	Expansion of the Arkun Ni-Cu-PGE Project east of Perth
11. 7 May 2020	Extensive high grade rare PGM's at Red Hill
10. 7 March 2019	New geodynamic framework for Ni-Cu-PGE and Co-Cu-Au-REE at Broken Hill
9. 13 December 2018	Exploration Update: Broken Hill Project NSW
8. 3 February 2016	Very high grade PGM nickel-copper in massive sulphide at Platinum Springs
7. 2 November 2015	Further significant results at Red Hill
6. 26 October 2015	High grade rare PGM's at Red Hill
5. 23 October 2015	Extremely high grade drill intercept at Broken Hill
4. 19 May 2015	Widespread high grade rare platinum group metals confirmed in large arc east of Broken Hill
3. 17 April 2015	High grades of rare but potentially economic PGM elements at Impact's Broken Hill Project
2. 23 January 2015	Further high grade PGE-copper-nickel assays returned at Red Hill Prospect, Broken Hill
1. 17 December 2014	High grade copper-nickel-PGE assays at Red Hill Prospect Broken Hill

# Disclaimer

## What You Should Know

**Find out more** – This presentation is being used as a presenter's aid with summarised information. See Impact's other periodic and continuous disclosure announcements lodged with the Australian Securities Exchange, which are available at [www.asx.com.au](http://www.asx.com.au) or [www.impactminerals.com.au](http://www.impactminerals.com.au), for more information.

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## Competent Person Statement and JORC Compliance

**Exploration Results:** *The review of exploration activities and results contained in this report is based on information compiled by Dr Mike Jones, a Member of the Australian Institute of Geoscientists. He is a director of the company and works for Impact Minerals Limited. He has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). Mike Jones has consented to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

The ASX Releases referenced below on on the Impact Minerals website at [www.impactminerals.com.au](http://www.impactminerals.com.au). The Company confirms that it is not aware of any new information or data that materially affects the information included in the most recent market announcement for each project, and in the case of Mineral Resources and Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context un which the Competent Person's findings are presented have not materially changed from the original market announcement.