

## ASX Announcement [ASX:PIO]

7 July 2020

ASX Limited  
Market Announcements Office  
Level 40, Central Park  
152–158 St Georges Terrace  
PERTH, WA 6000

### COMPANY PRESENTATION

Pioneer Resources Limited (“Pioneer”, “Company”) is pleased to provide the attached Company presentation as presented by Managing Director, Timothy Spencer, following the close of the General Meeting of Shareholders of Pioneer held today.

In accordance with the results of today’s meeting, Pioneer Resources Limited (ASX:PIO) will be changing its name to Essential Metals Limited and its ASX ticker code to ASX:ESS from 21 July 2020, subject to ASIC and ASX procedural timing. The attached presentation has been prepared using the new branding.

Authorised of release on behalf of the Company by:

Carl Travaglini  
Company Secretary

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ESSENTIALMETALS

for a sustainable future

# Company Presentation

7 July 2020

Pioneer Resources Limited  
(ASX:PIO) will be changing its name  
to Essential Metals Limited and its  
ASX ticker code to ASX:ESS from  
21 July 2020



# Forward looking statements and disclosures



- **Forward looking statements**

- This document may contain “forward-looking statements” and other forward looking information based on the Company’s expectations, estimates and projections as of the date on which the statements were made. This forward looking information includes, among other things, statements with respect to the Company’s business strategy, plan, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations, Mineral Resources and results of exploration. Generally, this forward looking information can be identified by the use of forward- looking terminology such as ‘outlook’, ‘anticipate’, ‘project’, ‘target’, ‘likely’, ‘believe’, ‘estimate’, ‘expect’, ‘intend’, ‘may’, ‘would’, ‘could’, ‘should’, ‘scheduled’, ‘will’, ‘plan’, ‘forecast’, ‘evolve’ and similar expressions. Persons reading this document are cautioned that such statements are only predictions, and that the Company’s actual future results or performance may be materially different. Forward looking information is subject to known and unknown risks, uncertainties and other factors that may cause the Company’s actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward looking information. Forward looking information is developed based on assumptions about such risks, uncertainties and other factors, including but not limited to general business, economic, competitive, political and social uncertainties; the actual results of current exploration activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; future commodity prices; possible variations of ore grade or recovery rates; failure of plant, equipment or processes to operate as anticipated; accident, labour disputes and other risks of the mining industry; and delays in obtaining governmental approvals or financing or in the completion of development or construction activities. This list is not exhaustive of the factors that may affect our forward looking information. These and other factors should be considered carefully and readers should not place reliance on such forward looking information. Recipients of this document must make their own investigations and inquiries regarding all assumptions, risks, uncertainties and contingencies which may affect the future operations of the Company and the Company’s securities. The Company disclaims any intent or obligations to or revise any forward looking statements whether as a result of new information, estimates, or options, future events or results or otherwise, unless required to do so by law.

- **Resource Statements**

- **Cade Lithium Deposit:** The information in this presentation that relates to lithium Mineral Resources for the Cade Lithium Deposit was reported to ASX on 25 November 2019 (JORC 2012). The Company confirms that it is not aware of any new information or data that materially affects the information included in the aforementioned announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.
- **Blair Nickel Mine:** The information in this presentation that relates to nickel Mineral Resources for the Blair Nickel Mine was reported to ASX on 28 November 2013 (JORC 2012). The Company confirms that it is not aware of any new information or data that materially affects the information included in the aforementioned announcement and that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed.

- **Competent Person**

- The information in this report paraphrases material that is in the public domain, including exploration results, and is based on information supplied to and compiled by Mr Stuart Kerr and Mr Paul Payne. Mr Kerr is a fulltime employee of Pioneer Resources Limited and holds shares/equity based securities in Pioneer Resources Limited. Mr Kerr is a member of the Australian Institute of Geoscientists and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Editions of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Kerr consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Mr Payne is a Fellow of the Australian Institute of Geoscientists and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Editions of the ‘Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves’. Mr Payne consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

# A well funded exploration company looking for its next development opportunity



## The right commodities in the right jurisdictions

- **Lithium** (Western Australia and Canada)
- **Gold** (Western Australia)
- **Nickel** (Western Australia)

We want to be a part of a sustainable mining future

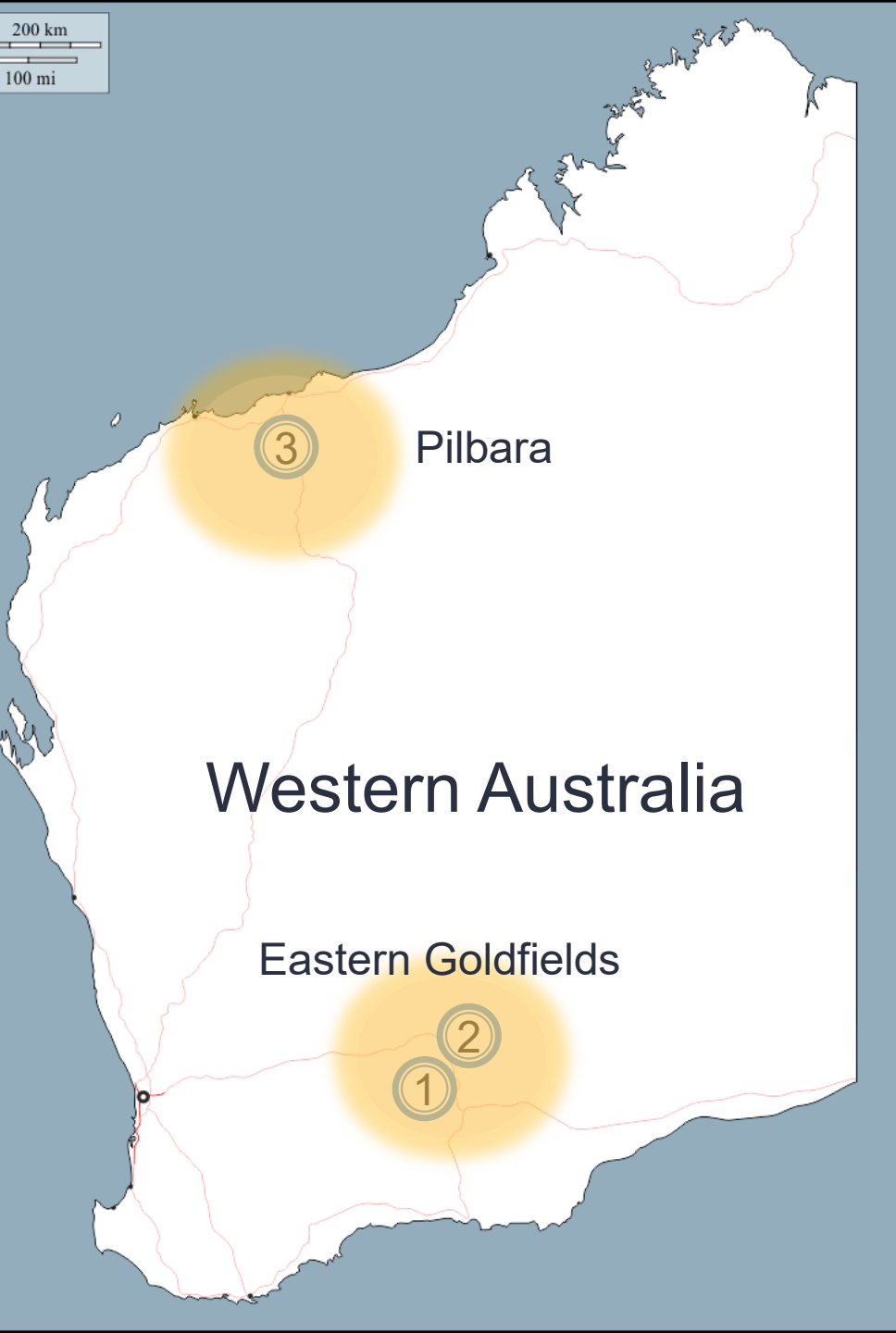
## A diversified project portfolio

- **Two gold projects** (Golden Ridge; Juglah Dome)
- **Three gold joint ventures** (25-30% free-carried)
- **Two lithium projects** (Dome North; Mavis Lake)
- **Two nickel projects** (Blair Nickel Mine; Pioneer Dome)
- **One caesium project** (Sinclair Caesium Mine)

## We have funding & expertise

- **\$4.4 million cash + \$580k in listed company share investments** (as at 30 June 2020)
- **Geology team has made two discoveries in four years**  
(Sinclair Caesium Deposit; Cade Lithium Deposit)
- **Successfully developed the Sinclair Caesium Mine**
- **Experienced and effective Board of Directors**  
Craig McGown (Non-Exec Chairman) – capital markets; corporate;  
Paul Payne (Non-Exec Director) – geology; exploration/development; corporate  
Tim Spencer (Managing Director) – commercial/corporate; project development





## Our main projects are located in premier gold & lithium provinces



- ① **Pioneer Dome** incorporating the **Sinclair Caesium Mine** and the **Dome North Lithium Project**
- ② **Blair – Golden Ridge** incorporating the suspended **Blair Nickel Sulphide Mine** and the **Golden Ridge Project** prospective for **gold, nickel** (sulphide and laterite) and **cobalt**  
**Juglah Dome gold** exploration  
**Acra & Balagundi gold** exploration farmin/JVs
- ③ **Kangan Gold** Project Farmin/JV with Novo Resources Corporation & Sumitomo Corporation

# Capital Structure & Financials



Market Capitalisation  
\$18.1M

Cash at Bank  
(30/06/2020)  
\$4.4M

Revenue FY2020  
\$9.1M

Debt  
\$Nil

## 10:1 CAPITAL CONSOLIDATION<sup>(1)</sup>

	PRE	POST
Share Price <sup>(2)</sup>	\$0.012	\$0.12
Shares Outstanding	1,507M	150.7M
Market Capitalisation	\$18.1M	\$18.1M
Enterprise Value	\$13.7M	\$13.7M

<sup>(1)</sup> Consolidation approved 7 July 2020

<sup>(2)</sup> 6 July 2020



- 12-month trading range: \$0.008 - \$0.022
- 50% increase since 30 March 2020 low of \$0.008
- Shareholders are predominantly retail
- Top 20 shareholders hold 21% of issued shares





Pioneer Dome –  
hosts caesium &  
lithium deposits  
– also  
prospective for  
gold and nickel



**A multi-commodity Project in a corridor hosting large mineral deposits:**

- **Gold** Higginsville; Widgiemooltha; Norseman
- **Nickel** Numerous Kambalda nickel mines, including Cassini 17km away
- **Lithium** Mt. Marion; Bald Hill; Buldania

#### • **The Pioneer Dome Project**

- 391 km<sup>2</sup> with 45kms north-south strike length extending up from the Norseman township
- Includes the Sinclair Caesium Mine and the Dome North Lithium Project
- Has been explored by reputable companies including Newmont in the late 1960s - early '70s and Panoramic Resources Ltd up to 2016.

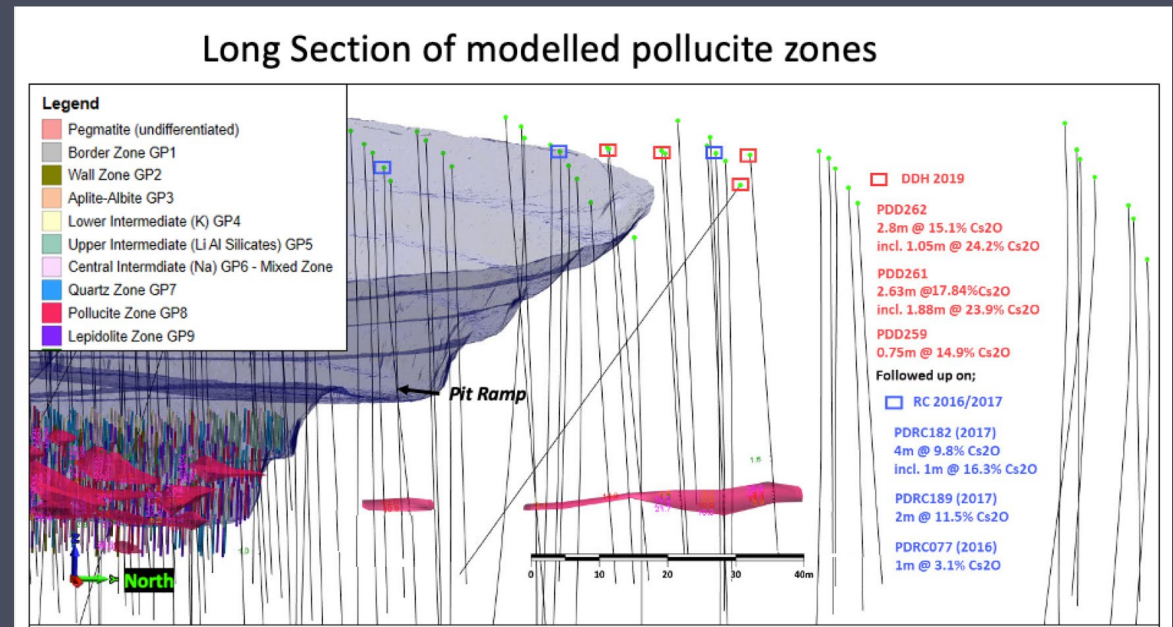


# Sinclair Mine Stage 2

- An Exploration Target\* of between **1,000 and 2,000 tonnes at a grade of between 8% and 14% Cs<sub>2</sub>O** (caesium oxide) has been defined from the remaining Resource outside the Stage 1 pit to the north (581 tonnes @ 7.6% Cs<sub>2</sub>O) and from the 2019 diamond core drill intersections that targeted these specific caesium zones.
- Mine studies are underway – open pit cutback versus small scale ‘airleg’ u/g drive.
- Can we make a value-added product?

\*The potential quantity and grade of the Exploration Target is conceptual in nature. There is insufficient exploration information generated to estimate a Mineral Resource and it is uncertain that further exploration will result in the estimation of a Mineral Resource.

- **Sinclair Caesium Mine – Stage 1 history**
- Caesium discovered in October 2016 – mined in 2019 – sales completed in 2020.
- 20,000 tonnes of Caesium bearing crushed, direct shipped ore (DSO) sold.
- Only 2 other primary caesium deposits globally and none currently in production.
- **\$10M Project Operating Surplus.**



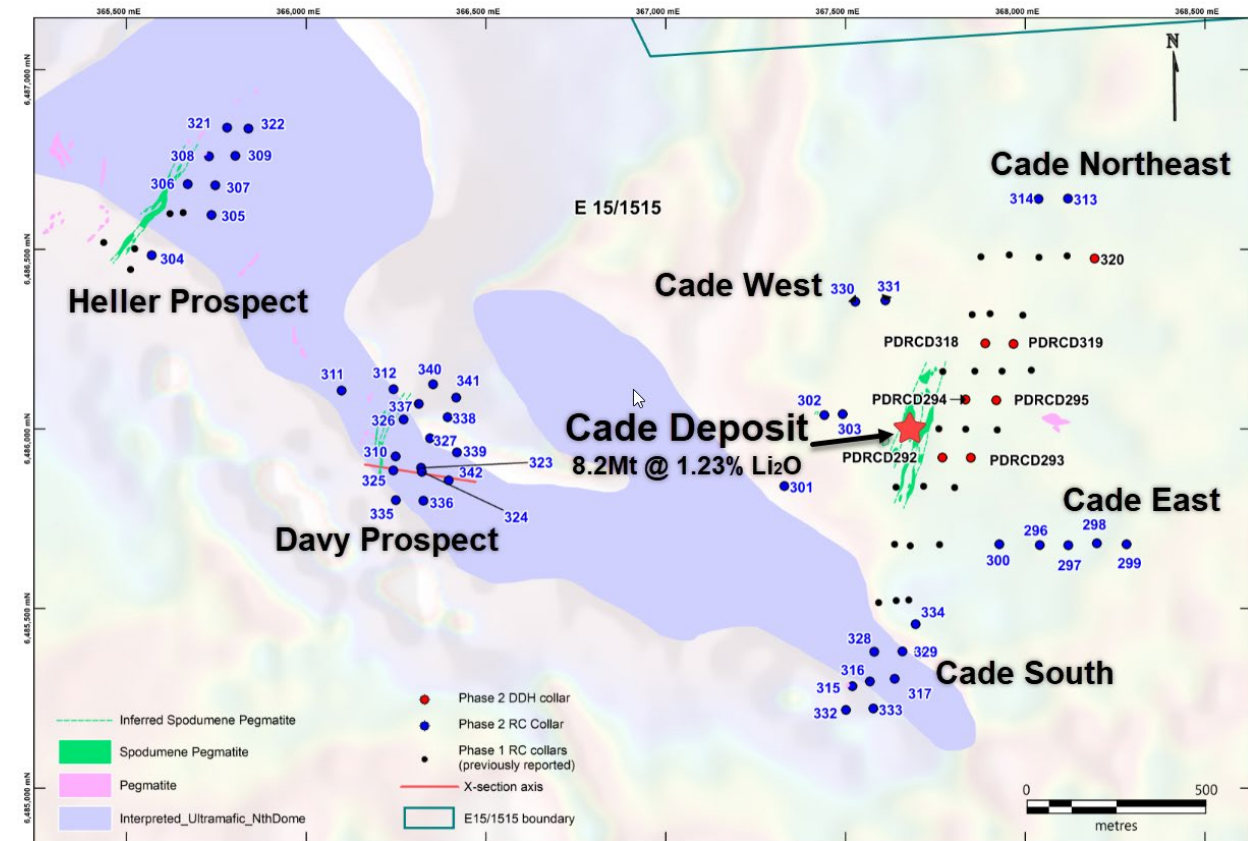


# Pioneer Dome – Dome North Lithium Project



- Lithium (**spodumene**) in outcrop discovered June 2019
- 1<sup>st</sup> drill campaign August 2019
- Maiden JORC Inferred Resource Estimate reported November 2019<sup>1</sup>
  - 8Mt @ 1.23% Li<sub>2</sub>O on Cade Deposit
- 3 other mineralized pegmatites drilled December 2019

- **Work programmes**
- Metallurgical test work is underway to ascertain indicative heavy liquid separation and flotation recovery rates from the Cade Deposit.
- Interpretation of the results of recent aircore reconnaissance drilling expected soon.
- Further field work to follow.



<sup>1</sup> ASX release 25 November 2019

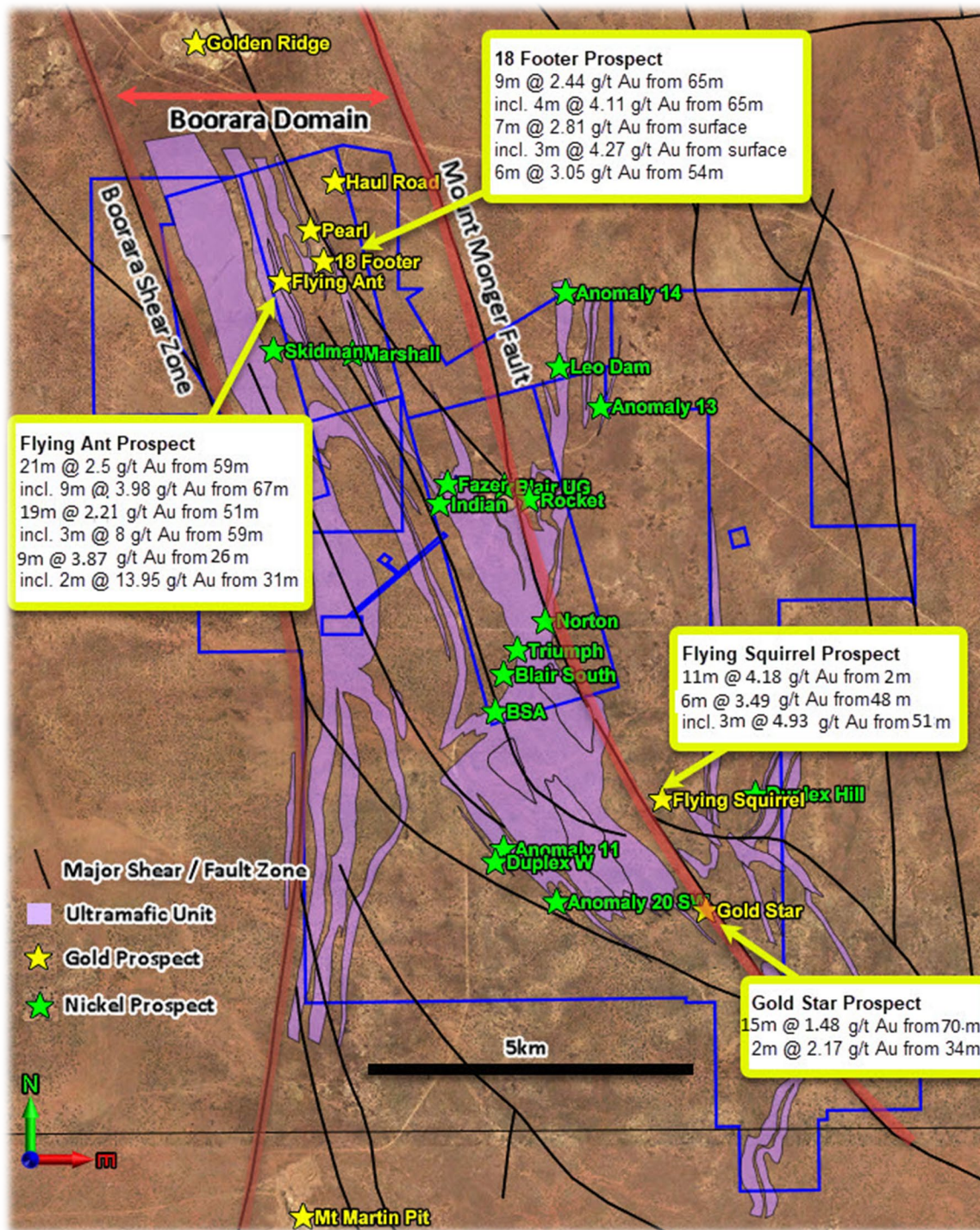




# Golden Ridge Project – Gold

- The Project straddles the Boorara Domain in between the Menzies - Boorara Shear Zone (MBSZ) and the Mt Monger Fault
- The MBSZ hosts six major gold mines including Paddington, Boorara and the Golden Ridge Gold Mine. The main focus of past exploration has been on nickel
- 20% of holes drilled, however, had gold intersections of greater than 1 metre at 1 g/t Au
- Historical drilling intercepts<sup>1</sup> at Pioneer's Golden Ridge Project include:
  - **21 metres @ 2.5g/t Au** from 59 metres (hole ID: GOC0288 – Flying Ant Prospect); and
  - **19 metres @ 2.21g/t Au** from 51 metres (hole ID: GOC0259 – Flying Ant Prospect); and
  - **11 metres @ 4.18g/t Au** from 3 metres (hole ID: GOC0274 – Flying Squirrel Prospect).

<sup>1</sup>Refer ASX release 6 July 2020





# Blair – Golden Ridge Project – Nickel & cobalt

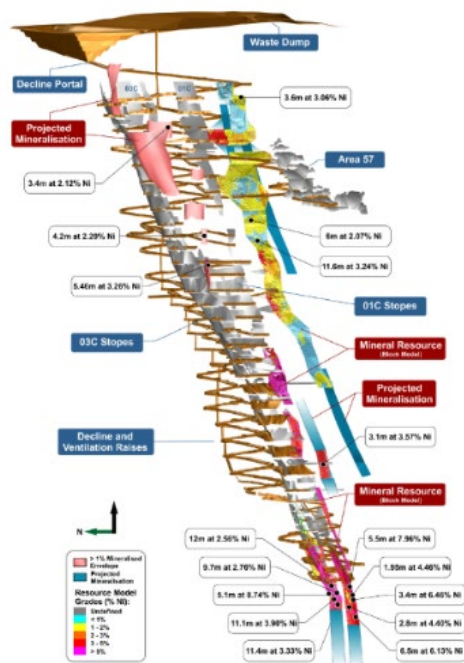


## BLAIR MINE

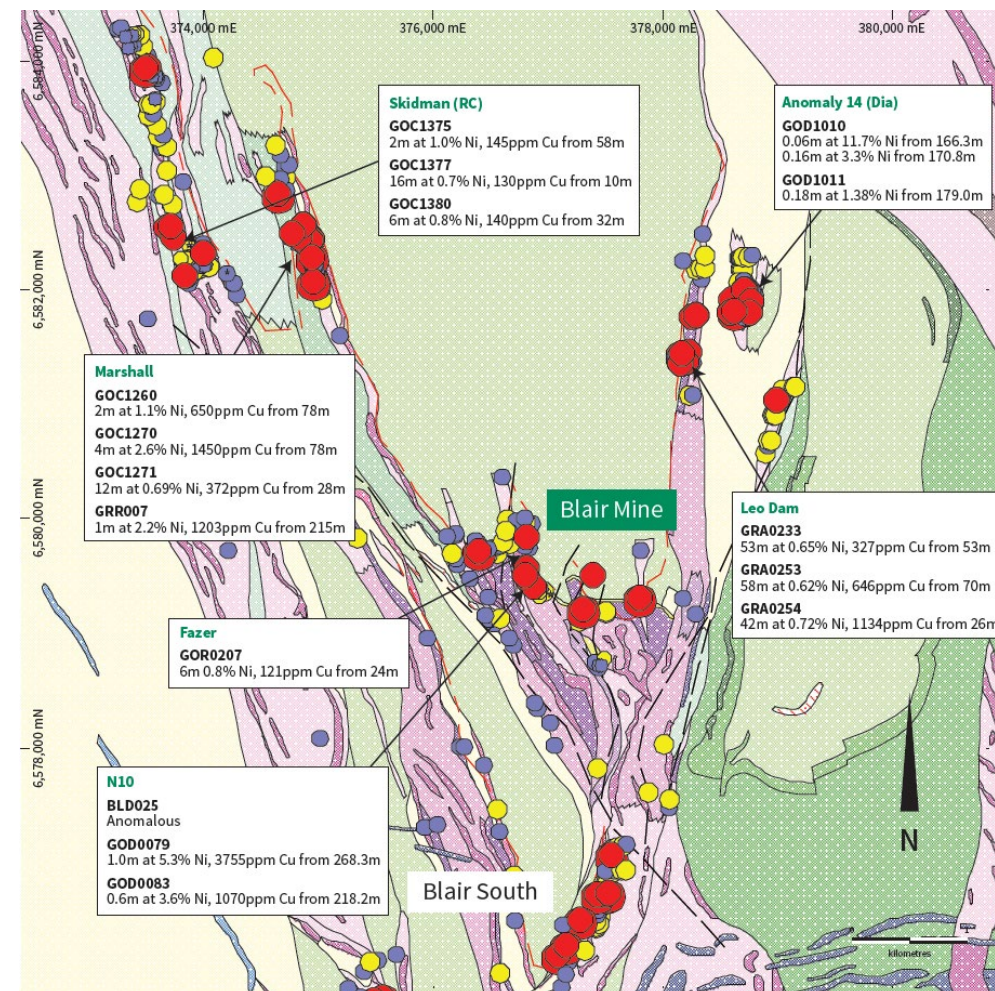
- Discovered in the late 1960s and developed in 1989 by WMC Resources Ltd
- 33,000 tonnes of nickel produced as direct shipped ore over 3 operating periods
- Considered open below mining to ~900m depth

**Blair Nickel Mine**  
(not operating)  
Total remaining  
Indicated and  
Inferred  
Resources:  
222,710t at  
2.92% Ni

(Refer ASX release dated  
28 November 2013)



## NICKEL EXPLORATION





# Three gold farmin/joint ventures



## Black Cat (ASX:BC8): **Balagundi** Farmin/JV

- ESS has a 25% free-carry up to a Decision to Mine & holds 122,820 shares in BC8, currently worth \$108k
- Balagundi is adjacent to the Bulong Project currently subject of a feasibility study

## Novo Resources Corp (TSXV.NVO)/Sumitomo Corporation: **Kangan** Farmin/JV

- ESS has a 30% free-carry up to a Decision to Mine & holds 100,000 shares in NVO, currently worth \$415k
- Kangan is part of Novo's Egina Project where a model is coming together of gravel gold mineralization across very large (kms) areas

## Northern Star Resources Ltd (ASX.NST): **Acra** JV

- ESS has a 25% free-carry up to a Decision to Mine
- Acra is a large tenure forming part of NST's Kalgoorlie Operations



**BLACK CAT SYNDICATE LIMITED**

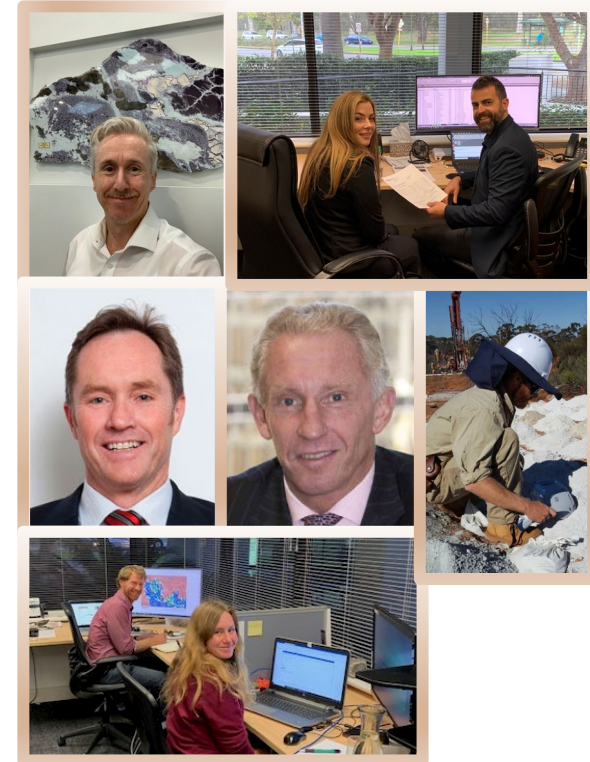


**Exploring and Developing  
Gold Properties in  
Australia's Pilbara Region**





# The Team





an **essential**  
part of your  
investment  
portfolio  
because...

- **A portfolio of advanced exploration projects covering lithium, caesium, gold and nickel, including:**
  - Cade Lithium Deposit - 8.2Mt @ 1.23% Li<sub>2</sub>O lithium JORC Resource
  - Golden Ridge Project with numerous gold prospects.
  - Sinclair Caesium Mine – Stage 1 recently completed and studies on potential for Stage 2 underway
  - Blair Nickel Mine 222,710t at 2.92% Nickel (sulphides) - mining ceased 2008
- **Well funded + experienced management and adoption of ESG principles.**
  - \$4.4M cash at Bank
  - Experienced Board and management team with proven discovery and development expertise
  - A new name to reflect what we stand for, namely finding and producing metals that are essential for a sustainable future, based on ESG principles.