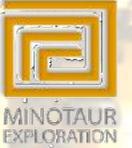


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# Minotaur Exploration Limited | ASX: MEP



## A\$1 million placement and A\$1 million SPP

29 SEPTEMBER 2017

# Minotaur is a sound investment proposition



## Strong mining shareholders, quality JV partners and prudent capital management

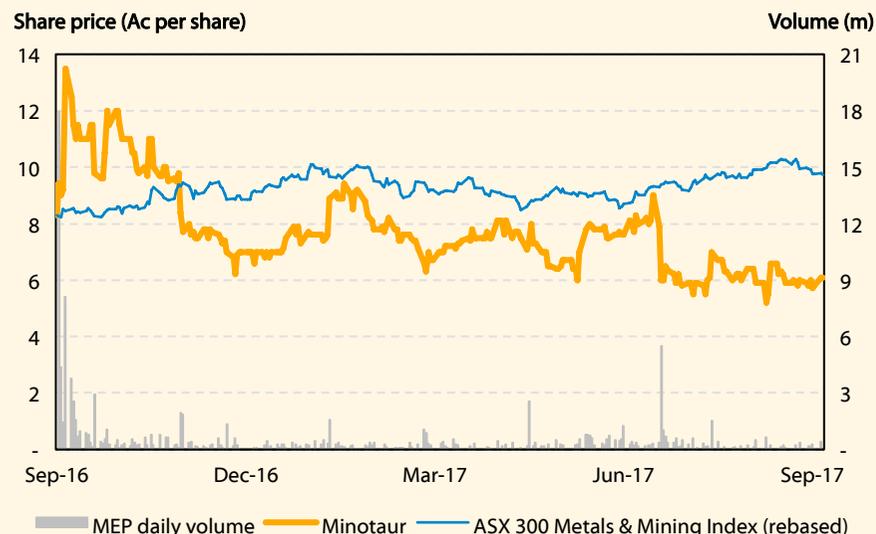
### About Minotaur Exploration (ASX: MEP)

- Primary focus on **copper-gold exploration** in Queensland and South Australia
- Well regarded for **technical excellence** in exploration
- Strategic ground positions in quality mineral domains
- Supportive and significant **JV partners**

### Major shareholders

<b>Sprott Inc.</b> <i>Leading global resources fund</i>	11.3%
<b>Yarraandoo</b> <i>Private Australian mining investor</i>	6.2%
<b>OZ Minerals</b> <i>ASX-listed copper-gold miner with a market capitalisation c. A\$2.5bn</i>	3.8%
<b>FMR Investments</b> <i>Owner/operator of the Eloise copper mine, Queensland</i>	1.4%
<b>Sandfire Resources</b> <i>ASX-listed copper miner with a market capitalisation c. A\$1.0B</i>	1.2%

### Share price performance over past 12 months



Source: IRESS

Notes:

- Excludes 17.9m listed options (MEPO) with exercise price of A\$0.095 and expiry date of 30 November 2017
- Excludes 36.4m unlisted options with exercise price range of A\$0.095 – A\$0.30 and expiry date range of 30 November 2017 to 6 September 2021

### JV partners and collaborators

<b>OZ Minerals</b> <i>Australian copper-gold producer</i>
<b>Sandfire Resources</b> <i>Australian copper-gold producer</i>
<b>JOGMEC</b> <i>Japan Oil, Gas and Metals National Corporation; Japanese Government entity</i>
<b>Sumitomo Metal Mining Oceania</b> <i>Major global metals producer &amp; refiner</i>

### Financial information

Number of shares <sup>1</sup>	212.4m
Share price (26-Sep-17)	A\$0.061
<b>Market capitalisation</b>	<b>A\$13.0m</b>
Cash (30-Sep-17 forecast, ex equity raising proceeds)	A\$1.6m
<b>Equity raising proceeds (less costs)</b>	<b>A\$1.9m</b>
Debt (30-Sep-17 forecast)	A\$0.4m
Listed investments (26-Sep-17)	A\$0.6m
<b>Enterprise value (pro-forma for capital raising)</b>	<b>A\$9.3m</b>

# Capital raising overview

## Minotaur intends to raise A\$1m via a placement and A\$1m via a share purchase plan

- **A\$1.0m placement** to sophisticated and institutional investors (“Placement”)
  - New shares to be issued at an **offer price of A\$0.052** per share, representing a **14.8% discount** to the last closing price of A\$0.061 and a **13.6% discount** to the 5 day VWAP of A\$0.0602
  - **Existing cornerstone shareholder, a member of the Sprott group of companies, is cornerstone to the Placement with a A\$0.25m investment**
  - New shares to be fully paid and rank equally with existing Minotaur shares
  - Placement will utilise Minotaur’s existing placement capacity pursuant to ASX Listing Rule 7.1 and 7.1A
  
- A share purchase plan (“SPP”) will be offered to existing shareholders, targeting to raise A\$1.0m at the same price
  - **A member of the Sprott group of companies and second largest shareholder, Yarraandoo, have collectively committed to take up to A\$0.425m of any SPP shortfall**

### Use of funds

● Prominent Hill	A\$0.85m
● WA Nickel-Gold	A\$1.05m
Costs of the Placement & SPP	A\$0.10m
<b>Total use of funds</b>	<b>A\$2.00m</b>

- **A\$0.85m to be applied to the Prominent Hill Alliance with OZ Minerals, including:**
  - Ground EM surveys and target definition – **completed**
  - **Reconnaissance drilling** on new EM targets
  - **Assay results**, downhole EM and ‘Proof of Concept’ review
  
- **A\$1.05m applied to Minotaur’s WA Nickel-Gold assets, including:**
  - Complete EM outside JORC limits of Saints
  - Drill to assess ‘gaps’ around Saints JORC deposit
  - Drill Valdez EM conductor and downhole EM
  - **Step-out RC drilling at Javelin gold prospect**

# Capital raising timetable

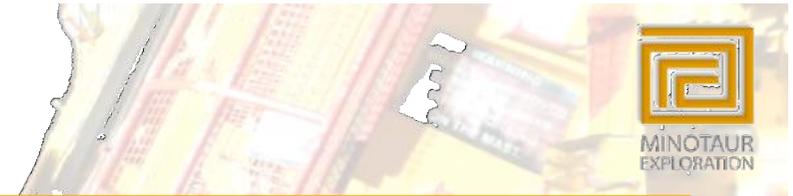


An indicative timetable for the capital raising is provided below

Minotaur trading halt ("Trading Halt")	Wednesday, 27 September 2017
Record date for SPP	Thursday, 28 September 2017
Transaction announced and Minotaur resumes trading	Friday, 29 September 2017
Settlement of Placement	Wednesday, 4 October 2017
Dispatch SPP booklet to shareholders	Friday, 6 October 2017
Closing date for SPP	Friday, 20 October 2017
Notification of shortfall to the Investor and ASX	Tuesday, 24 October 2017
Allotment date for SPP shares	Friday, 27 October 2017
Commencement of trading of SPP shares on ASX	Monday, 30 October 2017

\*The timetable above is indicative only and may be varied subject to the ASX Listing Rules

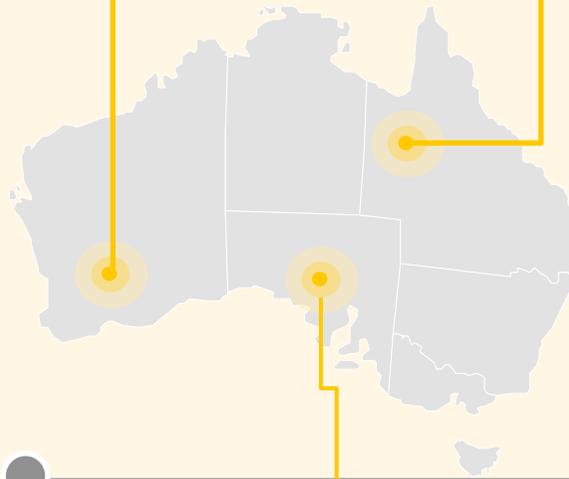
# Minotaur's activity platform



## Focus on base metals discovery around Australia underpins our strategy for growth

### Western Australia – Nickel-gold prospects

- **Leinster project (MEP: 100%)**
  - Large tenement package close to a number of well-known nickel and gold projects; contains the Horn Nickel resource & untested Valdez EM conductor
- **Saints project (MEP: 100%)**
  - 2 MLs with West Kambalda style nickel prospectivity
  - 2017 JORC Nickel resource at 'Saints'
  - Ground EM and strike drilling to close gaps and expand resource



### Queensland – ISCG style copper-gold & base metals

- **Eloise project (MEP: 100%)**
  - A\$10m farm-in agreement with OZ Minerals
  - ISCG style mineralisation reported
  - A\$2.5m field program through 2017
  - 2,270m diamond drill program to test 3 shallow EM targets about to commence
- **Altia Pb-Ag project (MEP: 40%)**
  - JV with Sandfire Resources
- **Osborne JV (MEP: 100%)**
  - JOGMEC earning up to 51%
  - New ground EM campaign in Q4 2017
- **Cloncurry North (MEP: 100%)**

### South Australia – Industrial Minerals R&D

- **Cooper Pedy (MEP: 50%)** Epsomite to high Sol Potash
- **Poochera (MEP: 100%)** Kaolin (HPA)
- **Camel Lake (MEP: 100%)** Halloysite kaolin nanotubes
- **Lake Purdilla (MEP: 100%)** Gypsum

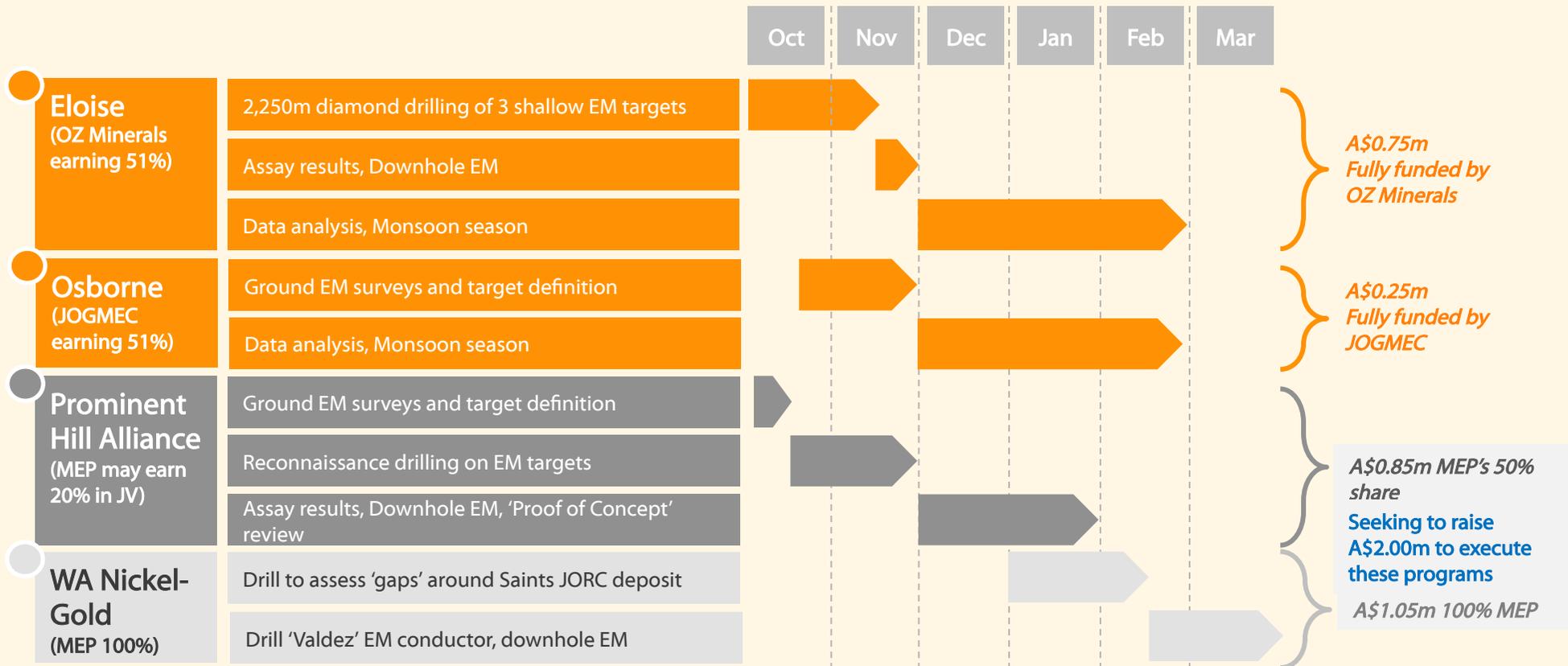
### South Australia – ISCG style copper-gold prospects

- **Prominent Hill (MEP: earning up to 20%)**
  - Co-exploration around the Prominent Hill mine for ISCG style copper-gold targets
  - A\$3m 'proof of concept' program 2016-2017
  - 2<sup>nd</sup> extensive ground EM campaign completed September 2017
  - New drill targets identified; drilling to commence October 2017

# Upcoming work program

## Multi-front activity across a range of well known mineralised domains

- Minotaur is continuing an extensive exploration program over the next 6 months across 4 key assets
- OZ Minerals and JOGMEC are contributing significant funding towards 3 of these programs

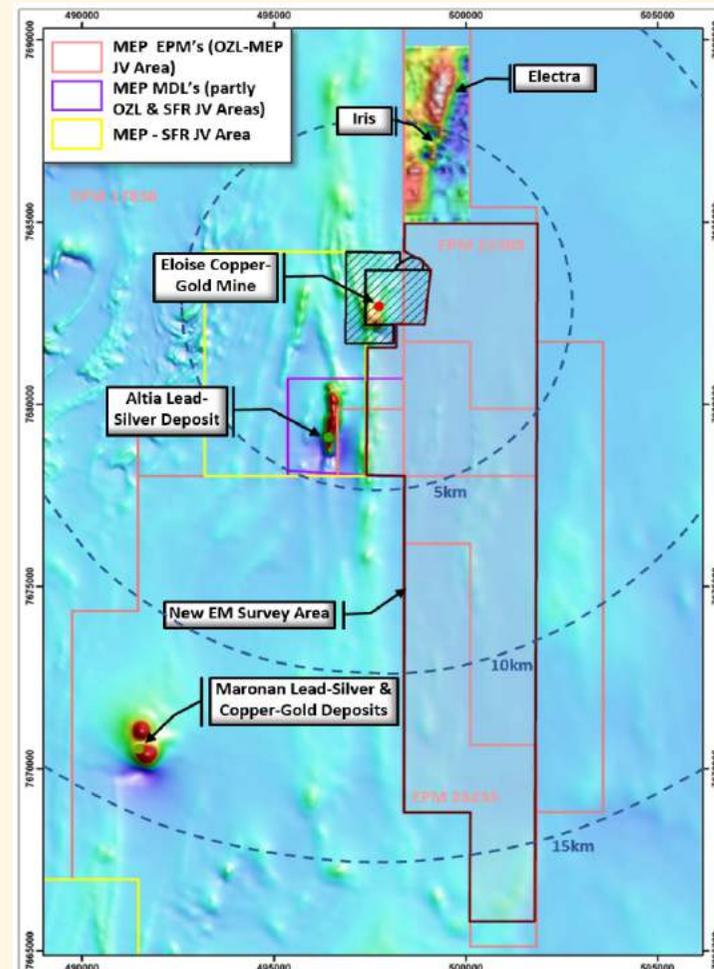


# 1 Eloise project – OZ Minerals earn-in

## OZ Minerals' A\$10m JV earn-in around the Eloise copper mine

- OZ Minerals invested A\$3.2m through to 30 June 2017
  - Committed to further A\$0.8m investment by end of 2017
  - May invest up to A\$10m (in total) over the next 4 years for 70% tenement interest
- Artemis discovery (2014) defined through application of Minotaur's ISCG exploration model and search techniques
- Minotaur's ability to identify mineralisation under highly conductive cover proven again through recent drilling at Iris-Electra
  - All holes reported low-grade copper-gold mineralisation over 2km strike length, demonstrating fertility of the host rocks
- New, highly prospective drill targets identified from August 2017 ground EM survey along the Levuka Shear Zone, along strike from and within 12km of Eloise mine
- Sandfire continues to sole fund exploration at the Altia Pb-Ag project

### Eastern portion of Eloise project tenements

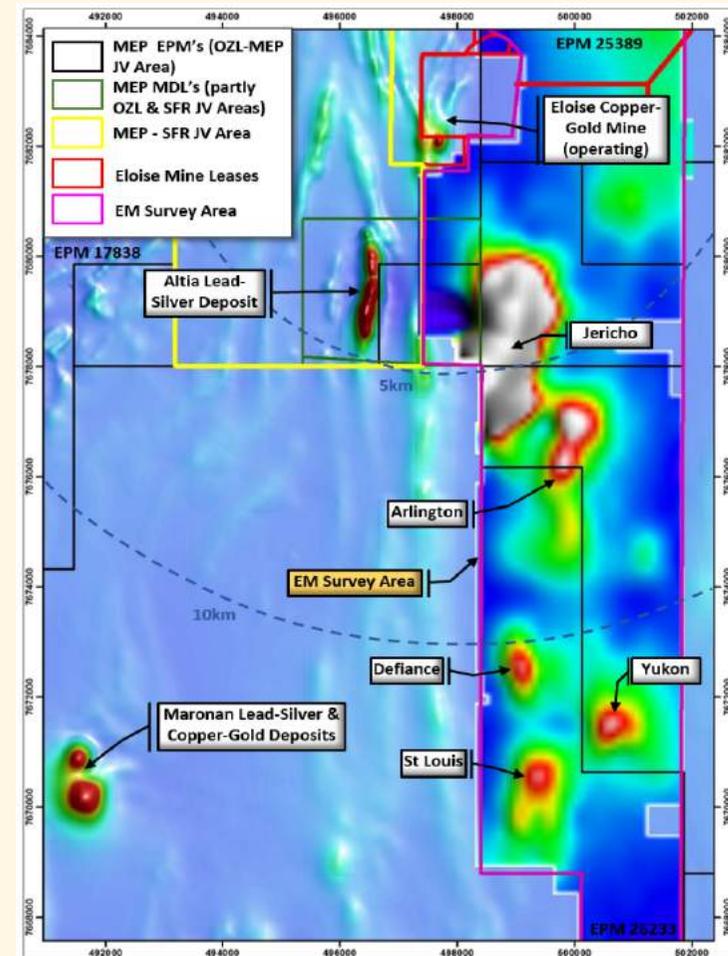


# 1 Eloise project – stand out drill targets

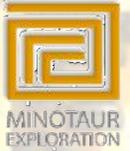
## Completed EM survey guides the upcoming diamond drill program

- Ground EM survey completed along 17km of Levuka Shear, a regional tectonic structure hosting the Eloise copper-gold mine
- Data reveals numerous conductors suggestive of sulphide mineralisation, within 12km of Eloise
- 4 diamond hole (2,270m) drill campaign designed to initially test 3 high priority, shallow EM targets
  - Jericho: 2 holes planned for 1,020m
  - Arlington: 1 hole planned for 750m
  - St Louis: 1 hole planned for 500m
- Reconnaissance drilling will commence around 4 October, with expected duration of 30 days

### EM Conductors within 12km of Eloise mine



## 2 Prominent Hill Alliance – *a unique composition*

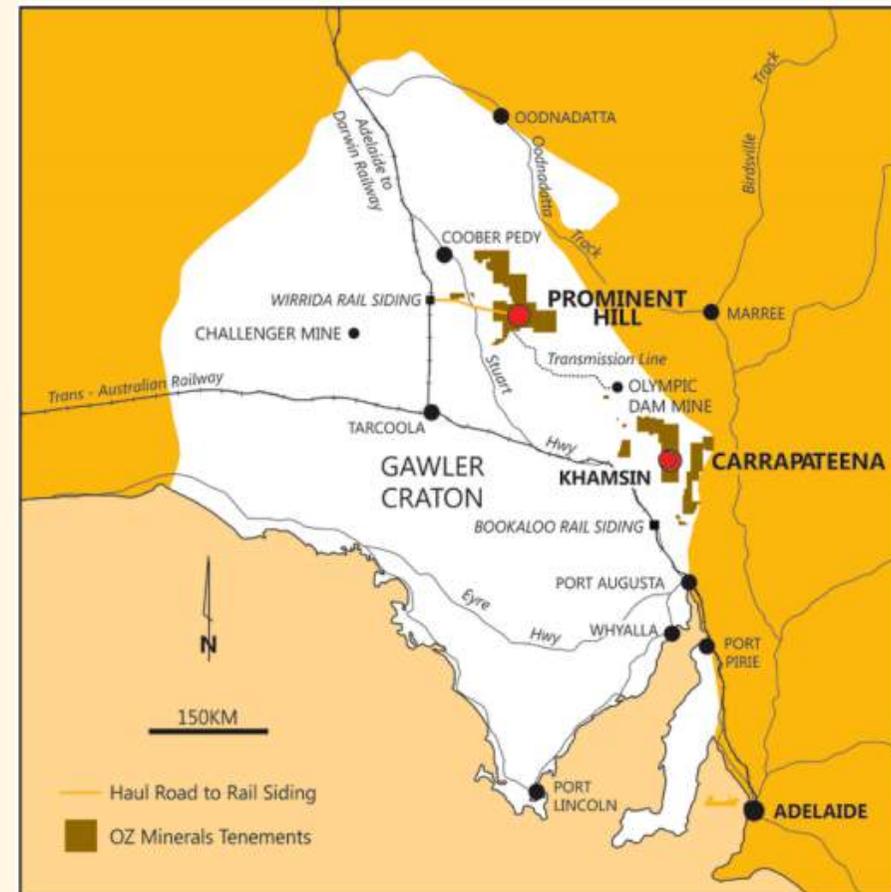


### Minotaur co-exploring with OZ Minerals around the Prominent Hill Mine



- Minotaur is applying its ISCG learnings from Cloncurry
- ISCG style of mineralisation has not been previously pursued around Prominent Hill
- Inaugural work (2016) established the Skylark Shear Zone (SSZ) as prospective for IOCG and ISGC mineralisation
  - Characterised by less than 150m of cover and within 30km radius of the mine
  - A\$3m 'proof of concept' program (50:50 funded), to be followed by formation of a JV (MEP 20%)
- Initial EM geophysical survey along the SSZ completed in 2016
- Identified several anomalous responses
- EM conductor at 'Bellatrix West' tested in 2016:
  - 1 hole drilled DD16TUR016

### OZ Minerals' Prominent Hill tenements

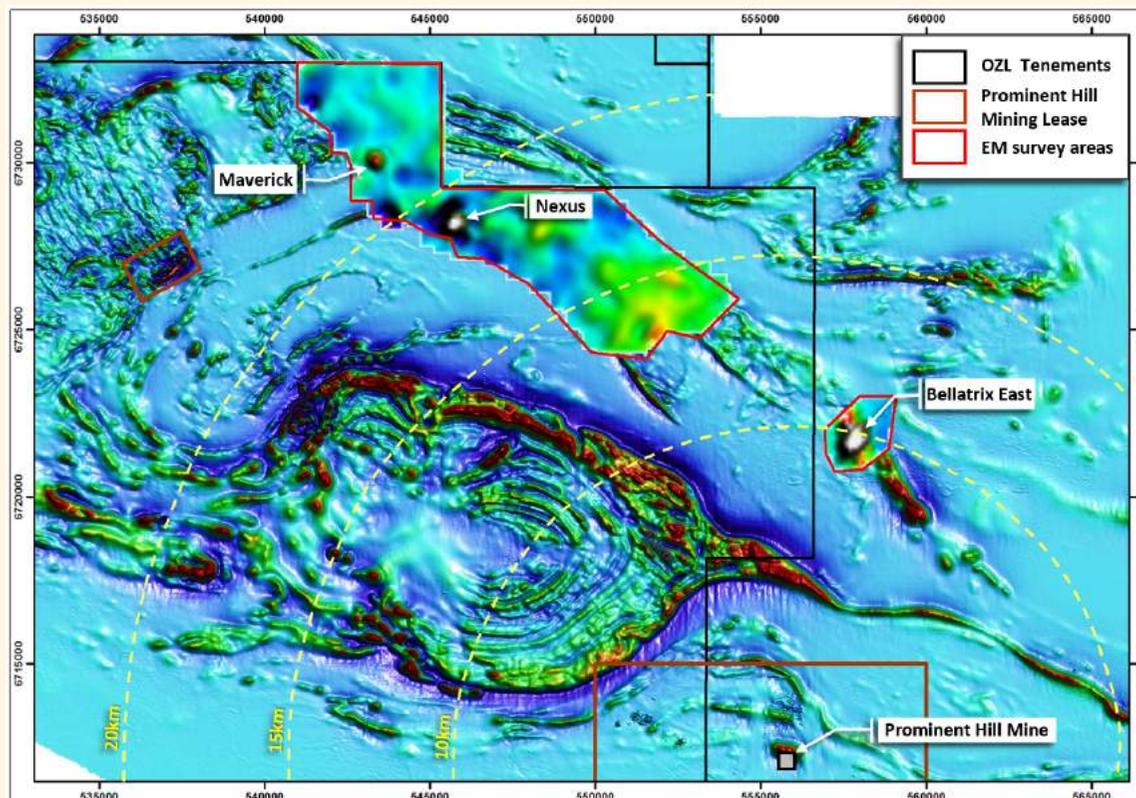


Collaboration zone excludes the Prominent Hill mine lease

## 2 Prominent Hill – *near mine exploration*

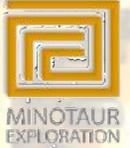
### Minotaur identified 4 undrilled bedrock conductors along the Skylark Shear Zone

#### EM targets over magnetics



- 2016 work provided 'proof of concept' that ISCG style mineralisation occurs in the Skylark Shear Zone (SSZ)
- A new ground EM geophysical survey along 15km of SSZ completed September 2017
- New drill targets identified
  - Within 22km of Prominent Hill mine
- 'Maverick'
  - 130 x 130m plate at 135m depth
- 'Nexus'
  - 300 x 200m plate at 180m depth
- 'Bellatrix East'
  - 200 x 150m plate at 115m depth
  - 400 x 400m plate at 130m depth
- Diamond drill rig being sourced for 1,225m of reconnaissance drilling; expected to commence October 2017

### 3 Western Australia – Nickel and gold prospects



## A well located suite of tenements prospective for nickel and gold

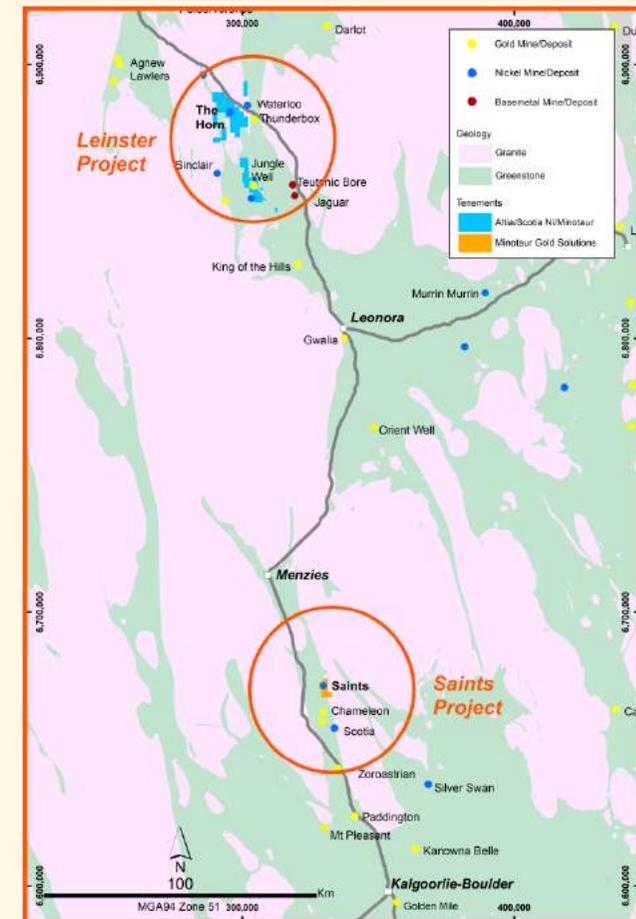
### Leinster Project (Minotaur 100%)

- 3 tenements covering 176km<sup>2</sup>, including the Horn Nickel Deposit which contains a historic resource of 600kt @ 1.42% Ni
- In close proximity to a number of well-known nickel and gold projects
- Valdez EM conductor to be drilled out
- Javelin gold prospect to be further assessed

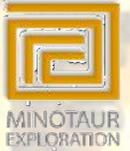
### Saints Project (Minotaur 100%)

- 2 mining licences over 20km<sup>2</sup> strategically located within the Eastern Goldfields
- Saints Nickel JORC 2012 resource of 1.05Mt @ 2.0% Ni (May 2017)
- Tenure covers ultramafic belts, hosting the historic Scotia Nickel Mine (17kt Ni produced) and Blair Nickel Mine (33kt Ni produced)
- Chameleon gold deposit sale to Shine Resources for A\$800k:
  - A\$250k received
  - Final payment of A\$300k due by December 2017
  - A\$10/oz royalty on gold produced, capped at A\$250k

### WA nickel / gold projects



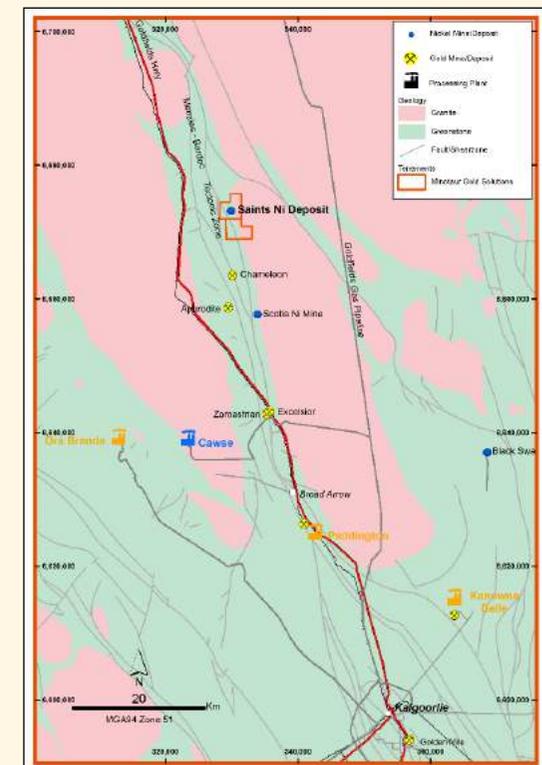
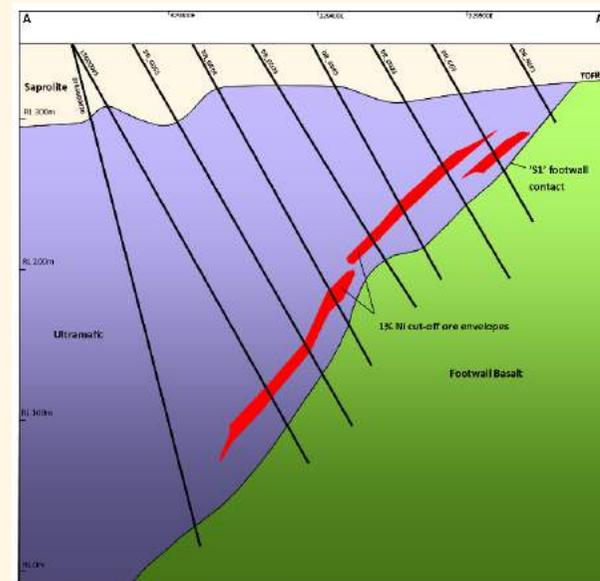
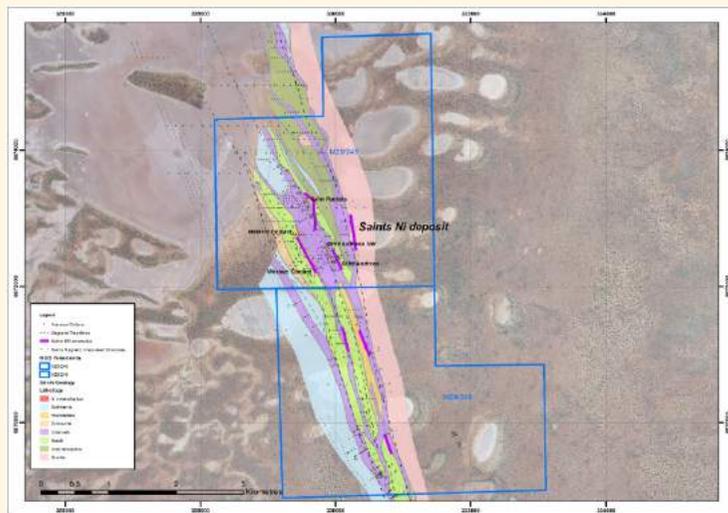
### 3 Western Australia – *Saints Nickel resource*



## JORC 2012 maiden Inferred resource estimate published May 2017 (MEP: 100%)

- 2 Mining Licences cover 20km<sup>2</sup>
- Archean, Kambalda-style, komatiite-hosted, massive nickel sulphide deposit
- Resource estimated to 480m vertical depth; not closed off, with mineralisation true widths of 1-6m
- Resource envelope extends over strike length of 1,540m
- Recent ground EM survey revealed numerous bedrock conductors which provides drill opportunities to expand resource base

Type	Tonnage	Ni	Cu	Co	Ni	Cu	Co
	kt	%	%	%	t	t	t
Oxide	2	1.0	0.02	0.02			
Transitional	22	1.7	0.1	0.05	400		
Fresh	1,020	2.0	0.2	0.06	21,000	1,600	600
<b>Total</b>	<b>1,050</b>	<b>2.0</b>	<b>0.2</b>	<b>0.06</b>	<b>21,000</b>	<b>1,600</b>	<b>600</b>



### 3 Western Australia – *Leinster Nickel belt*



## Numerous nickel and gold targets exist across the Leinster tenement package

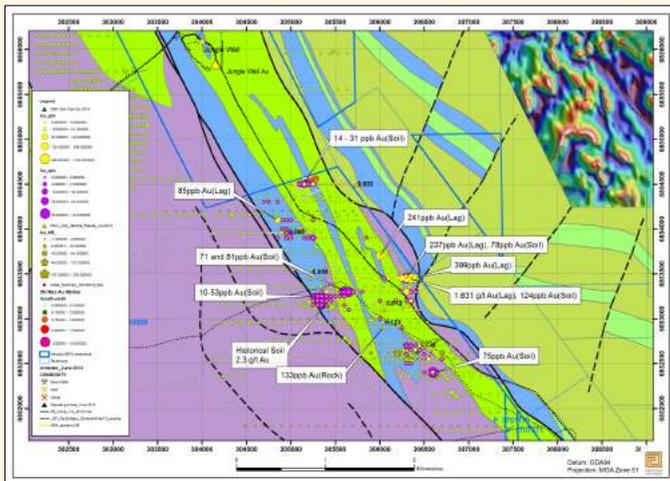
### Untested Ni targets

- 1 Mining Licence & 2 EPMs cover 176km<sup>2</sup>
- Numerous untested targets on strike from known Ni mineralisation
  - E.g. Fly Bore, Firefly, Valdez EM plate 1,200m x 450m
  - Associated with komatiite and mafic-ultramafic lithologies

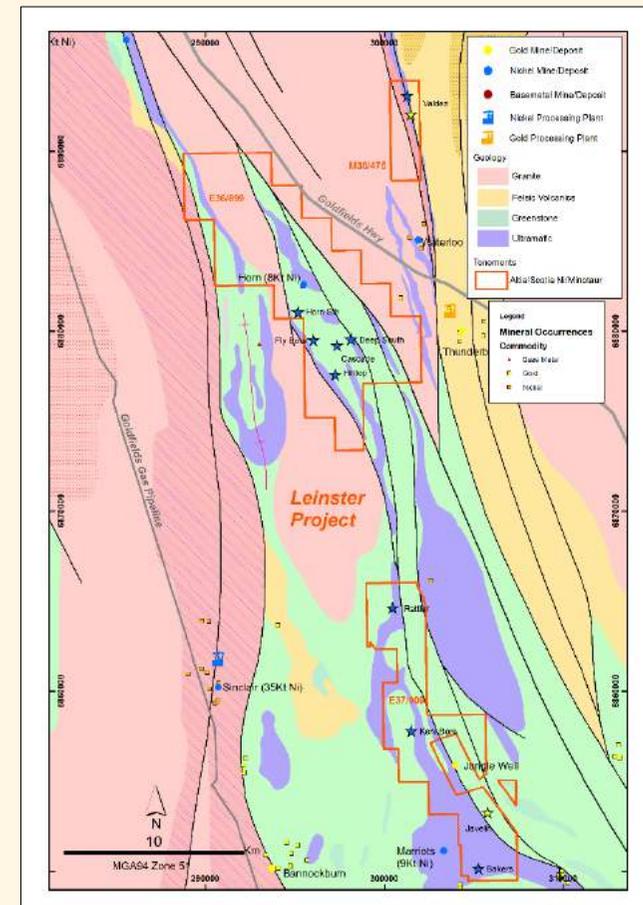
### Gold targets

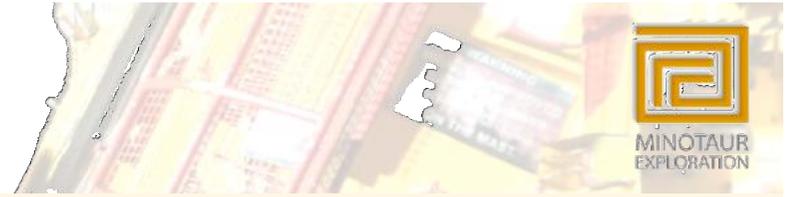
- Javelin, an extensive gold in soil anomaly
  - 3 RC holes returned broad, low grade Au intervals from surface (refer June 2016 Quarterly Report for details)
  - Follow up drilling warranted

### Javelin area lag-soil samples over geology



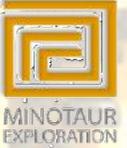
### Project location





## Appendix

## 4 Industrial Minerals – portfolio of special materials



### Minotaur continues R&D into innovative uses for its industrial minerals assets

#### Coober Pedy Epsomite to High Solubility Potash project

- Globally significant, near surface deposit of magnesium and sodium sulphate salts
- 50/50 JV with evaporate consultants PACT Renewables to develop HSOP production route
- Scoping study conducted by CRA in 1980's contemplated KCl and  $K_2SO_4$  production
- Native Title heritage clearances to precede resource confirmation drilling to 5m depth

#### Camel Lake Halloysite project

- Halloysite kaolin mineralisation, which is a rare pure tubular form of kaolin
- Halloysite used in various applications, including nanotechnology applications and as a porcelain and ceramic additive
- Historical drilling suggests potential for a significant resource

#### Streaky Bay Gypsum project

- South Australia's largest undeveloped deposit of plasterboard quality gypsum
- Maiden Inferred Resource (JORC 2012) defined in February 2016 (87Mt @ 91% purity)
- Adjacent to a potential bulk handling port development site

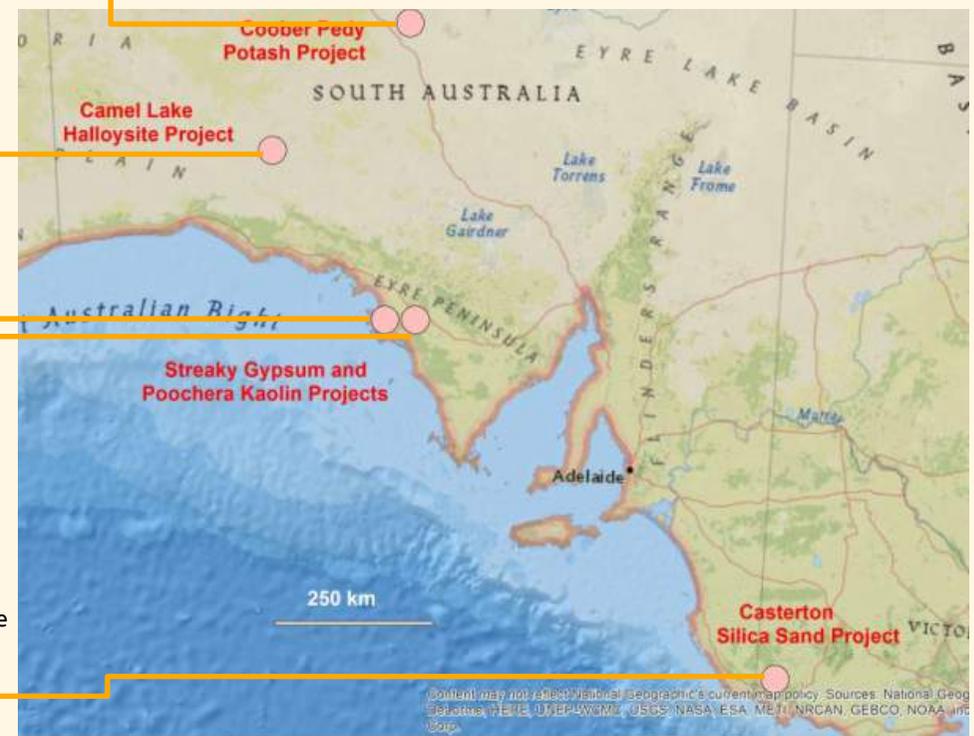
#### Poochera Kaolin project

- 5 kaolin deposits of global significance in size and quality
- Measured Resource (JORC 2012) of 16.3Mt of "bright white" kaolinised granite
- Extensive pilot plant test work previously completed, confirming exceptional quality of the deposits

#### Casterton silica sand project

- A large deposit of frac sand and glass grade sand
- Potential for use as silica proppants for fracture stimulation in oil and gas wells
- Previously completed studies by Santos confirm its viability for use as a proppant

#### Minotaur's 5 Industrial Minerals projects



Content may not reflect National Geographic's current map policy. Sources: National Geographic, HERE, DeLorme, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, etc.

# Minotaur Board



## Deep technical expertise and extensive corporate experience

Name and position	Biography
<b>Dr Roger Higgins</b> Non-Executive Chairman <i>BE (Hons), MSc, PhD, FIEAust, FAusIMM</i>	<ul style="list-style-type: none"><li>▪ Non-Executive Director of Newcrest Mining (ASX: NCM) and Metminco (ASX: MMC)</li><li>▪ Previously Senior Vice President of Copper at Teck Resources, Vice President and Chief Operating Officer with BHP Billiton Base Metals in Australia and held senior operations management positions with BHP Billiton in Chile</li><li>▪ PhD in water resources from the University of NSW, Master of Science from the University of Aberdeen, and Bachelor of Engineering from the University of Queensland</li><li>▪ Adjunct Professor with the Sustainable Minerals Institute, University of Queensland</li></ul>
<b>Andrew Woskett</b> Managing Director <i>BEng, MCommLaw, FAusIMM</i>	<ul style="list-style-type: none"><li>▪ 35 years project management and corporate experience in mining industry</li><li>▪ Led major development projects including the Kalgoorlie Super Pit, Kanowna Belle, Marymia gold mine, numerous expansions of the Bougainville copper mine, several iron ore mine expansions (WA) and new project feasibility studies (Cu, Au, Fe, Ni, coal, Olympic Dam)</li><li>▪ Managing Director of Ballarat Goldfields (9 years); re-started underground gold mining at Ballarat after an 80 year hiatus</li><li>▪ Managing Director of Minotaur Exploration since March 2010</li></ul>
<b>Dr Tony Belperio</b> Executive Director, bus development <i>BSc (Hons), PhD, FAusIMM</i>	<ul style="list-style-type: none"><li>▪ Geologist with 35+ years experience in university, SA geoscience and minerals exploration</li><li>▪ Awarded AMEC's Prospector of the Year Award in 2003 for his role in discovery of Prominent Hill copper-gold deposit</li><li>▪ Non-Executive Director of Thomson Resources (TMZ)</li></ul>
<b>Mr George McKenzie</b> Non-Executive Director <i>BA (law), LLB, FAICD</i>	<ul style="list-style-type: none"><li>▪ +30 years' experience in the multi-faceted regulatory, legal and commercial issues faced by natural resources companies</li><li>▪ Long term councillor of the South Australian Chamber of Mines and Energy (SACOME)</li><li>▪ Solicitor member of the Minerals and Energy Advisory Council, advising the South Australian Minister for Mineral Resources and Energy on strategic issues affecting the industry</li><li>▪ Named Adelaide Natural Resources Law "Lawyer of the year" in both 2014 and 2016 by Best Lawyers Australia</li></ul>

# Explanatory statements



## About the Eloise Joint Venture

OZ Minerals Ltd (ASX: OZL) has provided \$3.2 million in exploration expenditure through to 30 June 2017 on Minotaur's 'Eloise' tenements, 65km south-east of Cloncurry, Queensland. OZ Minerals may sole fund up to \$10 million over six years for which it will earn 70% beneficial interest in the tenement package. Minotaur is manager and operator of the joint venture.

## Disclaimer

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## Competent Person's Statement

Information in this presentation that relates to exploration results for Minotaur Exploration Ltd is based on information compiled by Mr Glen Little, who is a full-time employee of the Company and a Member of the Australian Institute of Geoscientists (AIG). Mr Little has sufficient experience relevant to the style of mineralisation and type of deposits under consideration and to the activity that he has undertaken 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" (JORC Code). Mr Little consents to inclusion of this information in the form and context in which it appears.