



# Investor Presentation

2017 Citi Australian & New Zealand Investment Conference

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OCTOBER 2017



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mining company

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All figures are expressed in Australian dollars unless stated otherwise.

# Compliance Statements

## Prominent Hill Production Targets Cautionary Statement

Production Targets for the Prominent Hill Underground only are based on:

Proved Ore Reserve 47%  
Probable Ore Reserve 33%  
Measured Mineral Resource 0%  
Indicated Mineral Resource 4%  
Inferred Mineral Resource 16%

Production Targets for the entire Prominent Hill asset are based on:

Proved Ore Reserve 46%  
Probable Ore Reserve 40%  
Measured Mineral Resource 0%  
Indicated Mineral Resource 3%  
Inferred Mineral Resource 11%

The modifying factors used in the estimation of the Ore Reserve were also applied to the Mineral Resources in the generation of the production target. There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the production targets will be realised.

The Ore Reserve and Mineral Resource Estimate underpinning these Production Targets were prepared by a Competent Person in accordance with the JORC Code 2012. The production targets are the result of detailed studies based on the actual performance of our existing mines and processing plant. These studies include the assessment of mining, metallurgical, ore processing, marketing, government, legal, environmental, economic and social factors.

## Prominent Hill Resources and Reserves

The information on Prominent Hill Mineral Resources and Ore Reserves in this presentation is extracted from the document entitled "Prominent Hill 2016 Mineral Resource and Ore Reserve Statement and Explanatory Notes" which is annexed to the ASX Release entitled "Prominent Hill mine life extended to 2028" released on 15 November 2016 and available at [www.ozminerals.com/media/asx](http://www.ozminerals.com/media/asx). OZ Minerals confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or 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. OZ Minerals confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

# Compliance Statements

## **Carrapateena Production Targets Cautionary Statement**

Production targets for Carrapateena are based on:

Probable Ore Reserves:	94%
Inferred Mineral Resources:	6%

There is a low level of geological confidence associated with Inferred Mineral Resources. There is no certainty that further exploration work and studies will result in the determination of Inferred Mineral Resources or that the production targets will be realised.

The Ore Reserve and Mineral Resource estimates underpinning the production targets were prepared by a Competent Person in accordance with the JORC Code 2012. The material assumptions used in the estimation of the production targets and associated financial information referred to in this presentation can be found in the Carrapateena Feasibility Study Update released on 24 August 2017, the Restated 2016 Carrapateena Mineral Resource Statement as at 18 November 2016 released on 9 December 2016, and the Carrapateena Ore Reserve Statement as at 4 August 2017 released on 24 August 2017.

## **Carrapateena Resources and Reserves**

The information on the 134 Mt Carrapateena Mineral Resource in this presentation is extracted from the document entitled "Carrapateena Project Mineral Resource Statement and Explanatory Notes as at 18 November 2016" released on 9 December 2016 and available at [www.ozminerals.com/media/asx](http://www.ozminerals.com/media/asx). OZ Minerals confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. OZ Minerals confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

The information on Carrapateena Ore Reserves in this presentation is extracted from the document entitled "Carrapateena Project Ore Reserve Statement and Explanatory Notes as at 4 August 2017" released on 24 August 2017 and available at [www.ozminerals.com/media/asx](http://www.ozminerals.com/media/asx). OZ Minerals confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. OZ Minerals confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.



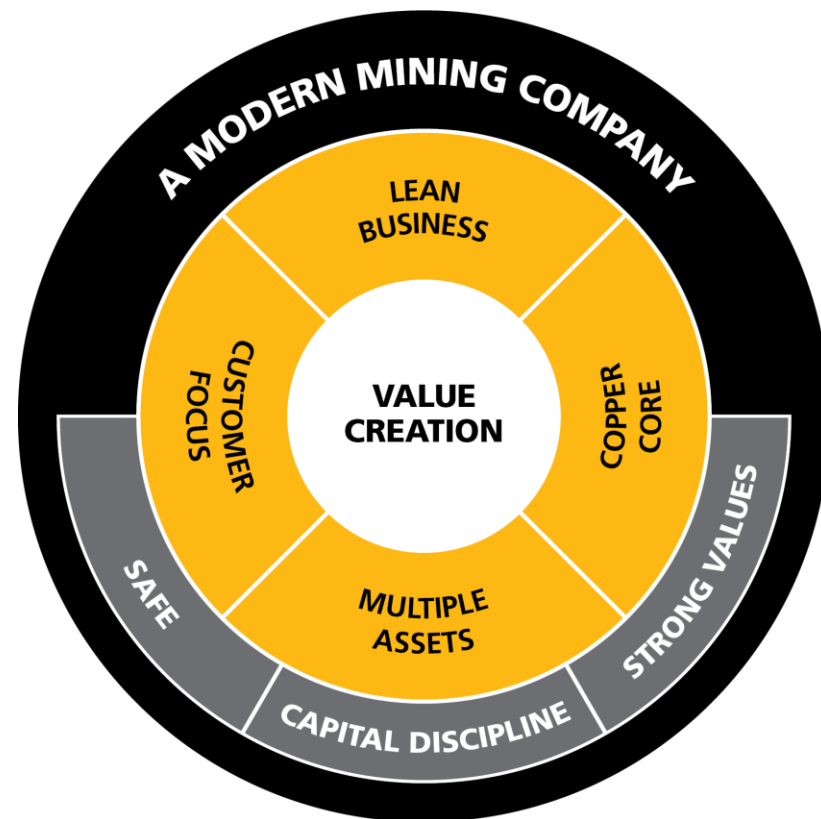
# Delivering on our growth strategy

## How we will work

- **Safety** – Safe work above all else, strive for a workplace with no injuries.
- **Values** – Integrity and strong governance in all aspects of the way we work.
- **Capital discipline** – Commitment to reliably and predictably deliver with disciplined capital deployment.

## What we will focus on

- **Lean business** – Fit for purpose today with an agile and flexible approach to opportunity.
- **Customer focus** – Preferred supplier of mineral products to customers.
- **Copper core** – Foundation built on copper with base metals and gold opportunistically pursued.
- **Multiple assets** – Build and maintain a portfolio of valuable, risk managed cash generating assets.



# Company Snapshot

Operations, projects and a growing pipeline of opportunities

- **MARKET CAPITALISATION**  
~A\$2.4 BILLION @ \$8.05/share
- **ASX100 COMPANY**
- **CASH A\$639 MILLION**  
(AT 30 SEPTEMBER 2017, UNAUDITED)
- **NO DEBT**
- **STRONG CASH GENERATION**
- **2017 GUIDANCE:**
- **105Kt–115Kt Cu; 115Koz–125Koz Au**
- **C1 US 85c– 95c/lb; AISC US 120c–130c/lb**

PROMINENT HILL	CARRAPATEENA	WEST MUSGRAVE	GROWTH GAWLER CRATON	GROWTH PIPELINE
<p>OPERATING MINE</p> <p>OP AND UG MINING</p> <p>STRONG CASH GENERATION</p> <p>BOTTOM QUARTILE COSTS</p> <p>ROM STOCK UNWIND 2018-2023</p> <p>RESOURCE TO RESERVE CONVERSION</p> <p>LONG LIFE</p>	<p>MINE IN CONSTRUCTION</p> <p>LOW RISK JURISDICTION</p> <p>20 YEAR UG MINE LIFE</p> <p>BOTTOM QUARTILE COSTS</p> <p>RAPID PAYBACK</p> <p>EXPANSION OPTIONALITY</p>	<p>PROJECT IN FURTHER SCOPING STUDY</p> <p>ESTABLISHED RESOURCE</p> <p>OPEN PITTABLE</p> <p>LOW STRIP RATIO</p> <p>REGIONAL EXPLORATION OPPORTUNITIES</p>	<p>KHAMSIN</p> <p>FREMANTLE DOCTOR</p> <p>MOUNT WOODS</p> <p>INTERCEPT HILL</p>	<p>ELOISE</p> <p>COOMPANA</p> <p>ALVITO (PORTUGAL)</p> <p>OAXACA (MEXICO)</p> <p>M &amp; A</p>
STRATEGIC PROJECTS: 1. CONCENTRATE TREATMENT PLANT 2. POWER				

# OZ Minerals Portfolio

● Operating Mine   ■ Mine in construction   ◆ Study phase   ▲ Exploration

## Eloise

- With Minotaur Exploration
- Targeting Cannington style lead/zinc/silver mineralisation + high grade copper/gold mineralisation

## West Musgrave

- With Cassini Resources
- Further scoping study underway
- Commercialisation of copper/nickel magmatic sulphide mineralisation

## Coompana

- With Mithril Resources
- Targeting copper/nickel magmatic sulphide mineralisation

## Mount Woods

- With Minotaur Exploration
- Targeting brownfield copper resources around Prominent Hill



## Oaxaca

- With Acapulco Gold
- Targeting copper/zinc VHMS systems in southern Mexico



## Alvito

- With Avrupa Minerals
- Targeting shallow IOCG mineralisation in southern Portugal

## Prominent Hill

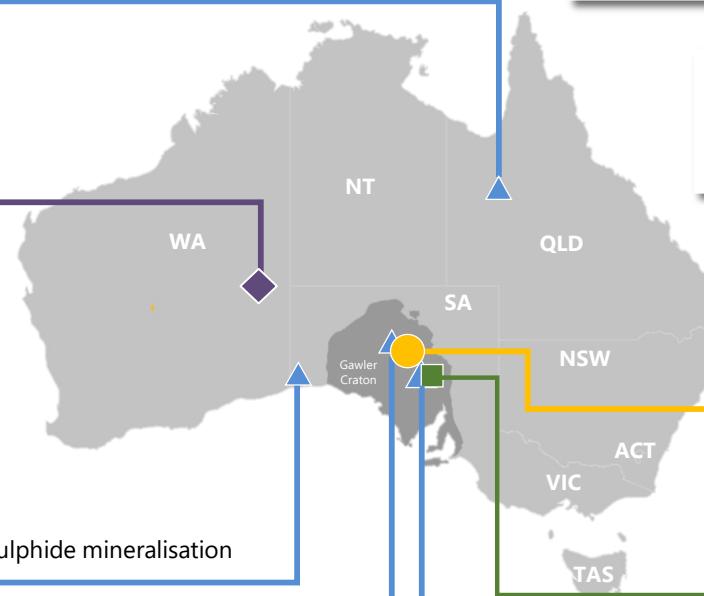
- Open pit and underground operations
- Copper concentrate (containing gold and silver)

## Carrapateena

- Project in construction
- Commissioning in Q4 2019
- Copper concentrate (containing gold and silver)

## Intercept Hill

- With Red Tiger Resources
- Targeting IOCG mineralisation 30km NW of Carrapateena Project

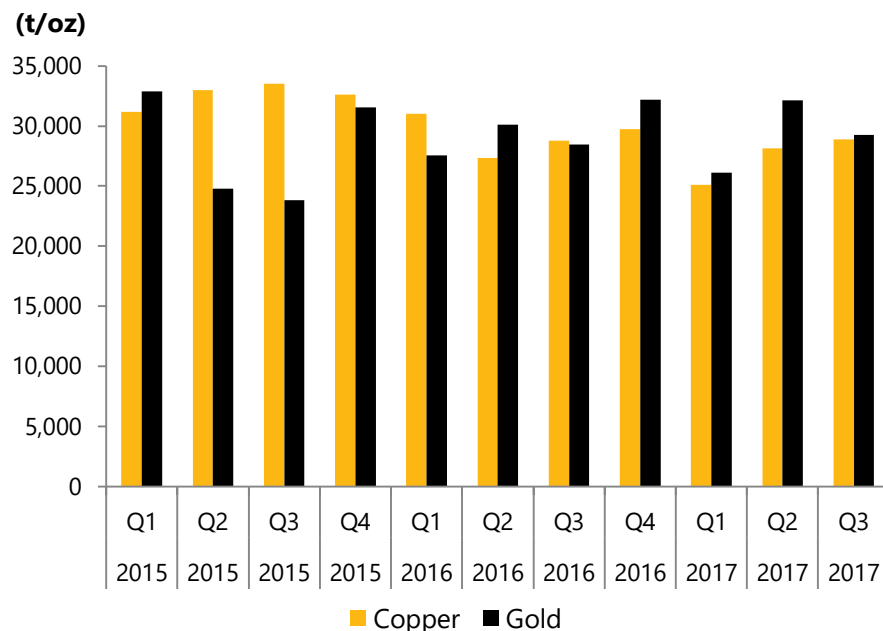


# Q3 Performance Update

ITEM	Q2	Q3
Contained Copper produced (t)	● 28,163	● 28,880
Contained Gold produced (oz)	● 32,136	● 29,264
All-In Sustaining Cost US c/lb	● 115	● 136
C1 cost US c/lb	● 81	● 91

● Favourable to annual guidance    ● Unfavourable to annual guidance

## CONTAINED COPPER AND GOLD PRODUCED



## PROM HILL ON TRACK, CARRA IN CONSTRUCTION

- / **Prominent Hill** open pit unit mining cost guidance lowered by ~5% on accelerated mining and closure schedule
- / All remaining guidance on track
- / Underground production up 15% with unit costs down 21% on Q2; second decline broken through in August as scheduled
- / **Carrapateena** phase one construction commenced and decline development progressing to plan
- / **West Musgrave** mining study nearing completion, other studies concluded
- / **Cash balance** lifts to \$639 million from \$625 million in Q2 after investment into Carrapateena (\$12 million), ore inventory (\$17 million), interim dividend (\$18 million) and receivables increase (\$53 million)

## UPCOMING ACTIVITY

- / West Musgrave decision on progression to PFS expected mid Q4
- / Prominent Hill open pit now closing Q1 2018



# Prominent Hill

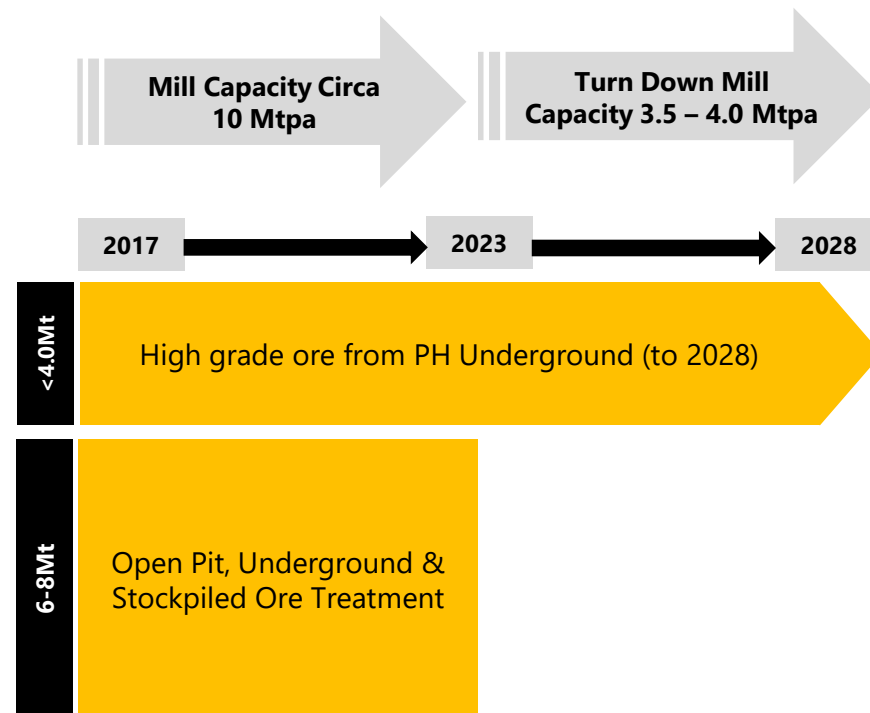
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# Strong cash flows and mine life extensions

- / Copper-gold mine, open pit and underground operations
- / Strong ongoing cash generation
- / Mine life to at least 2028 with sustained annual milling rate of circa 10 Mtpa through to 2023 and 3.5 – 4.0 Mtpa thereafter\*
- / Bottom quartile production costs
- / Multiple ore sources allow mill to remain at or near current capacity through to 2023
- / ROM stock cash realised 2018 – 2023
- / Underground to ramp up to 3.5 – 4.0 Mtpa in 2019; to continue at this rate to at least 2028\*
- / Matched mine and mill capacity 2023 – 2028
- / Integrated underground mine creates significant economic benefit with decreasing development costs in later years
- / Drilling programs targeting replacement of underground ore reserves and mine life extension



*"Low risk cash generation from current underground operations and stockpiles. High throughput levels reduce fixed cost allocations."*

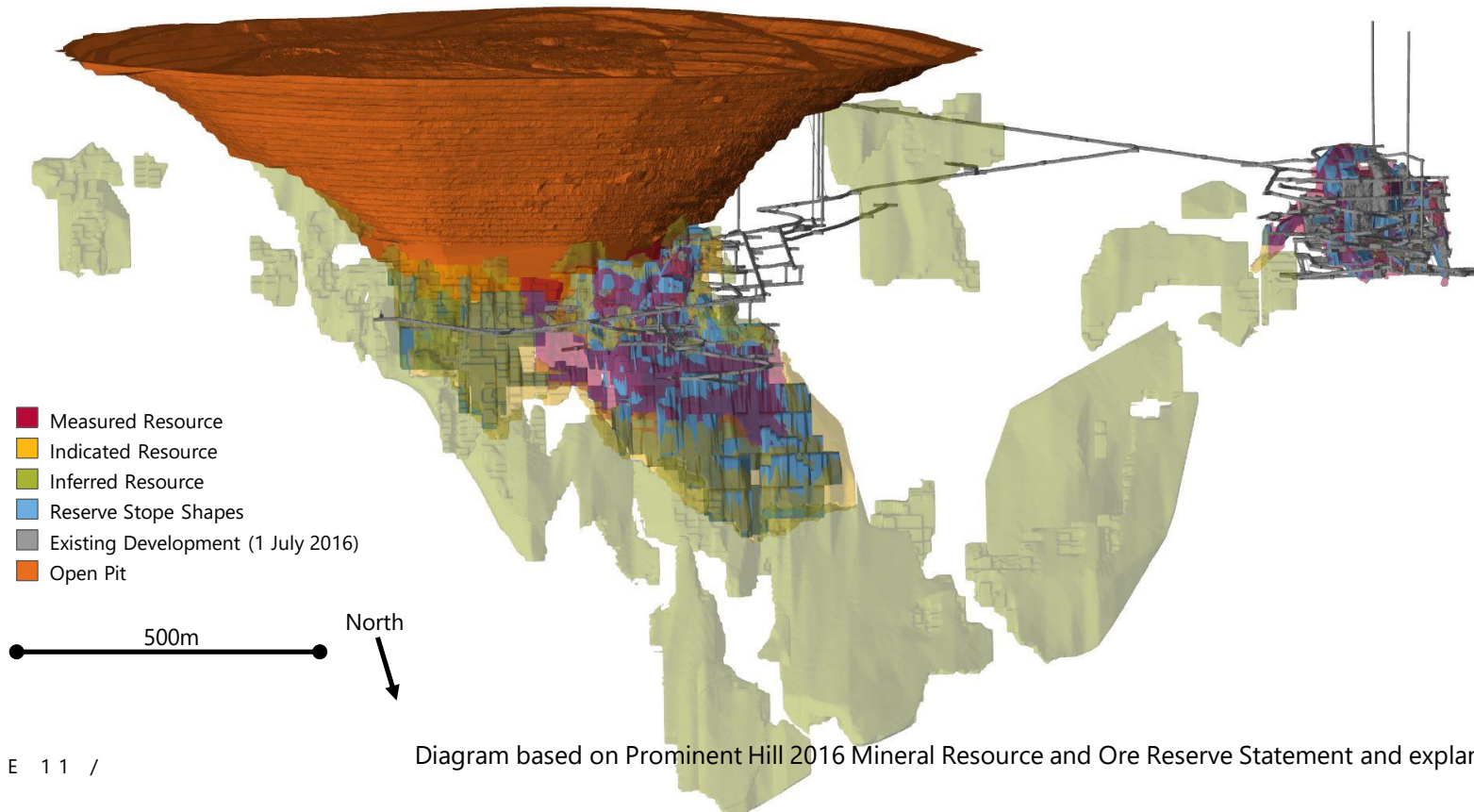
\* These production targets must be read in conjunction with the Production Targets Cautionary Statements on slide 3

# Underground

## Ore Reserve Growth

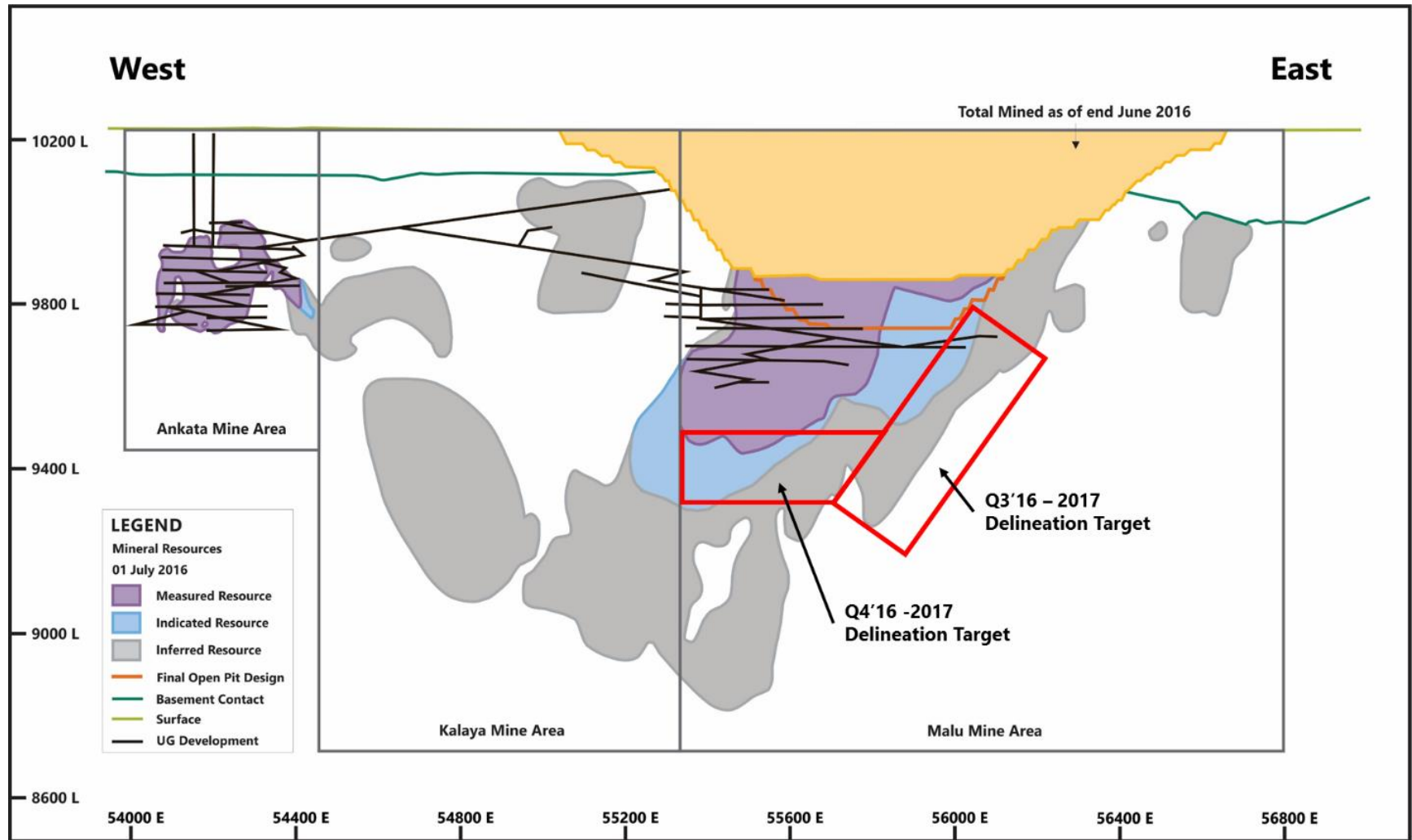
### 40 per cent increase in 2016 underground Ore Reserve driven by:

- / Increased higher confidence Indicated Mineral Resource
- / Mine planning initiatives which have seen the deepening of the Underground Mine by 150 metres, along with lateral extensions
- / Reduction in cut-off grade driven by successful cost saving initiatives



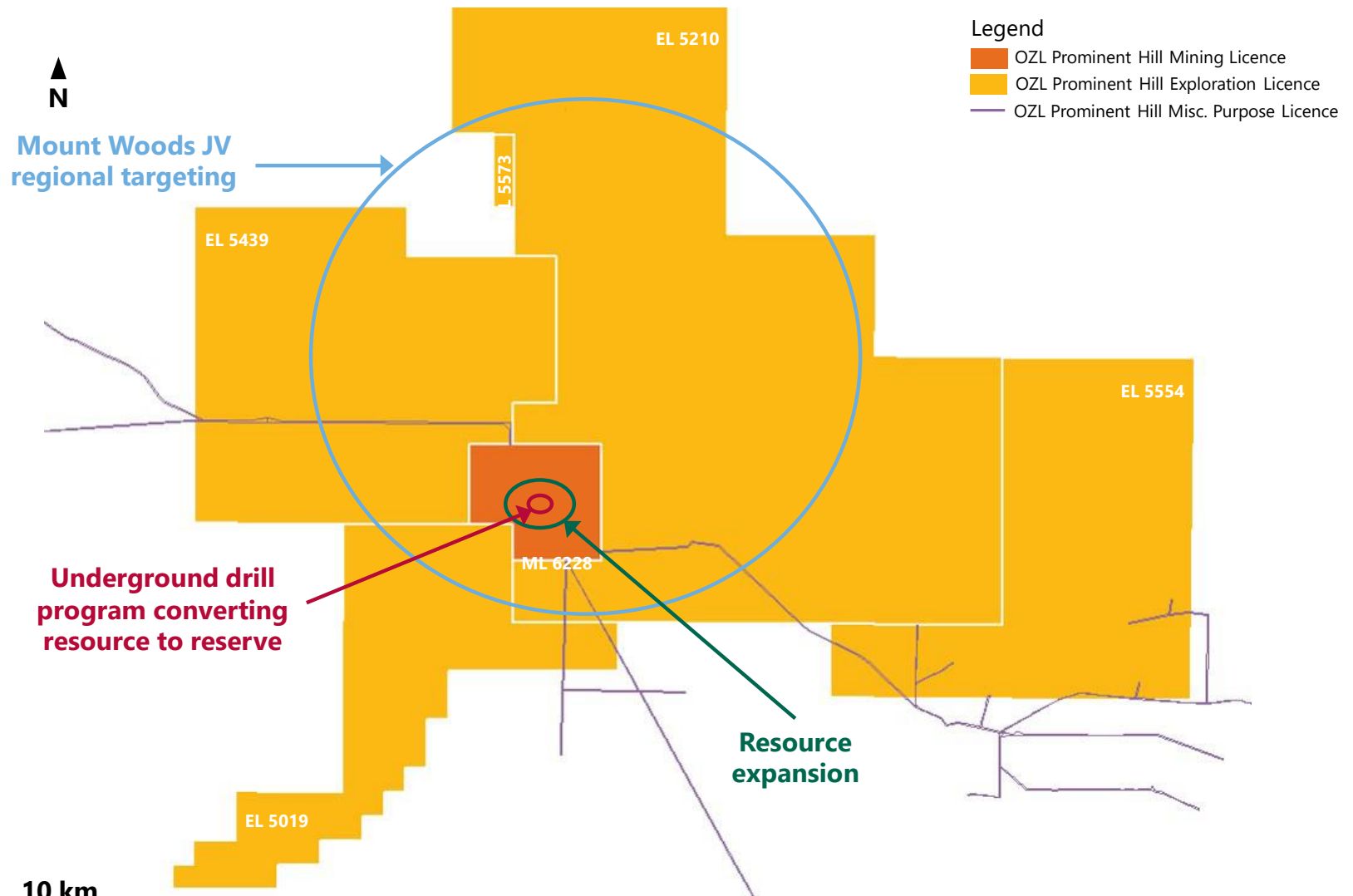
# Prominent Hill Mineral Resources

Long projection of Prominent Hill 2016 Mineral Resource showing drill target areas



# Prominent Hill

## Drill phases (Plan View)



# Carrapateena

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# Carrapateena: delivering on our growth strategy

## VALUE CREATION

NPV<sub>9.5</sub> ~\$910M | IRR ~20% | Payback by 2024 | Average annual cash flow after tax \$265M

Bottom quartile LOM costs: AISC US\$99c/lb; C1 US\$62c/lb | 20 Year mine life from a plant operating at 4.25Mtpa\*

Assumptions: LT Cu US\$2.92/lb; LT Au US\$1,306/oz; USD/AUD – 0.75 | NPV Neutral: LT Cu US\$2.12/lb; LT Au US\$1,266/oz; USD/AUD – 0.80

### Lean Business

- Design fit for purpose with expansion optionality
- Dual decline design reflecting agile approach

### Copper Core

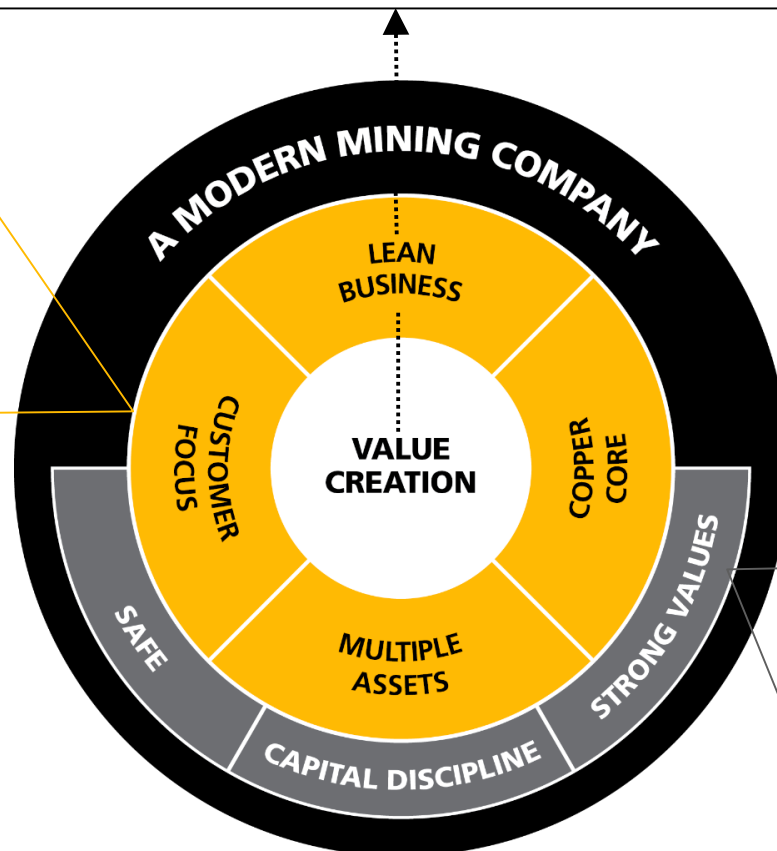
- High grade 30%-40% copper in concentrate
- Average annual production of 65kt Cu and 67koz Au\*
- Ore Reserve estimate: 79Mt @ 1.8%Cu, 0.7g/t Au, 8.5g/t Ag\*\*

### Multiple Assets

- Second cash generating asset
- Expansion optionality retained given known mineralisation and highly prospective region

### Customer Focus

- High quality concentrate saleable under existing international Prominent Hill contracts



### Safe

- Everyone works safely at site and strives for a workplace with no injuries

### Capital Discipline

- Cost certainty has increased with 50% of ~\$916 million pre-production capital in lump sum contracts near finalisation
- Project can be funded from existing cash balance and cash flows with ability to maintain dividend policy

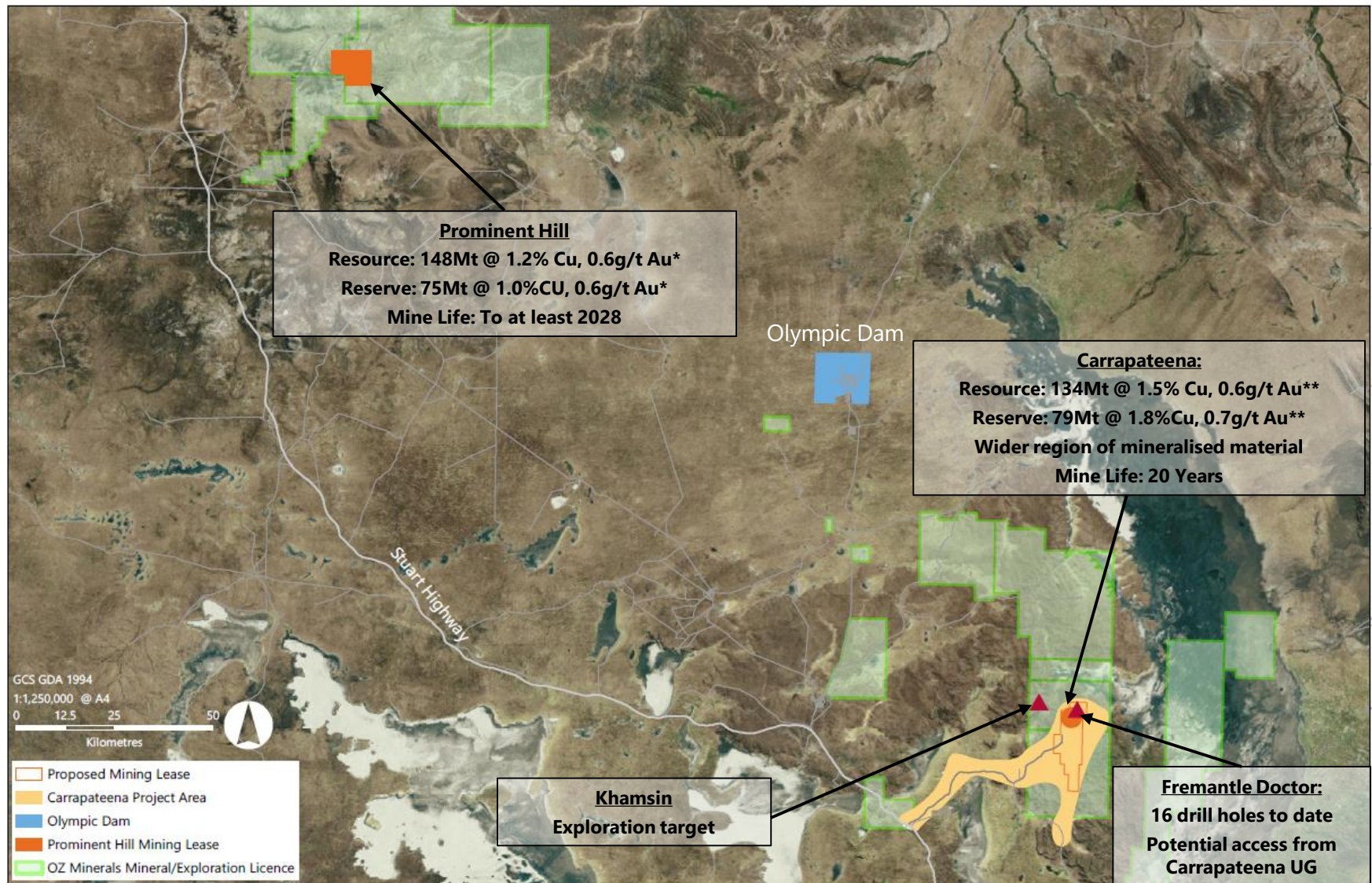
### Strong Values

- ECI partners responsible for delivering local content and traditional owner involvement
- Strong relationships with pastoralists and the Kokatha people

\* These production targets and associated financial information must be read in conjunction with the production targets cautionary statement on slide 4

\*\* Please read in conjunction with the Carrapateena Ore Reserve estimate compliance statements on slide 4

# Regional Mineralisation



\* Please read in conjunction with the Prominent Hill Mineral Resource and Ore Reserve estimate compliance statements on slide 3

\*\* Please read in conjunction with the Carrapateena Mineral Resource and Ore Reserve estimate compliance statements on slide 4

# Resource and Mining

## Ore Reserve

- / The FS mine design and Ore Reserve update has increased the Probable Ore Reserve estimate by 13% to 79 Mt, with an associated increase in copper to be mined of 100kt
- / The Ore Reserve as at 4 August 2017 is underpinned by the Mineral Resource as at 18 November 2016
- / Mineable inventory increases to ~84 Mt with additional ~5 Mt of Inferred Resource @ 1.8% Cu, 0.7g/t Au
  - The LOM Plan for the Carrapateena Project is made up of 94% Probable Ore Reserves with an additional 6% from Inferred Mineral Resources.
  - Composition associated with Inferred material that needs to be taken with the SLC due to the nature of the mining method

### Carrapateena Ore Reserve estimate August 2017 (at A\$90/t NSR cut-off)\*

Classification	Tonnes (Mt)	Cu (%)	Au (g/t)	Ag (g/t)	Cu (Kt)	Au (Koz)	Ag (Moz)
Proved	0	0	0	0	0	0	0
Probable	79	1.8	0.7	8.5	1,400	1,800	22
<b>Total</b>	<b>79</b>	<b>1.8</b>	<b>0.7</b>	<b>8.5</b>	<b>1,400</b>	<b>1,800</b>	<b>22</b>

\* Please read in conjunction with the Carrapateena Mineral Resource and Ore Reserve compliance statement on slide 4

These wireframes show the interpreted limits of the hematite breccia.





# Mine and SLC design

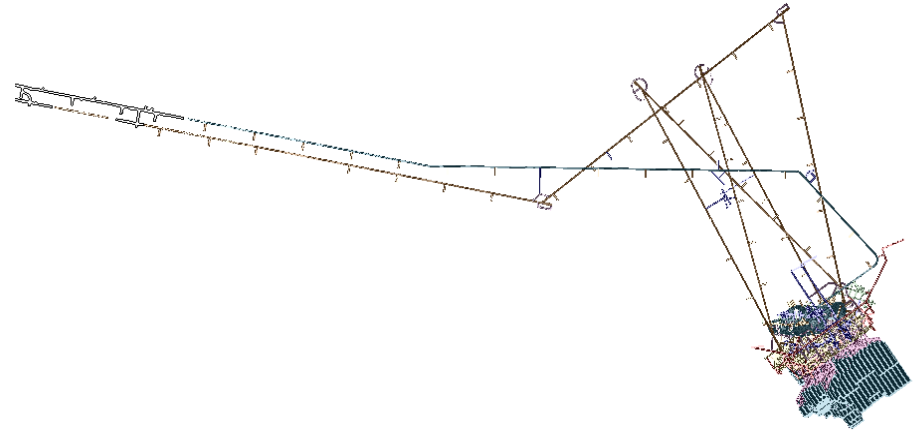
## Dual Decline Design

- / Tjati decline for personnel and equipment access
- / Second decline providing primary ventilation and then materials handling
- / Shortened distance to first ore reducing overall development rates

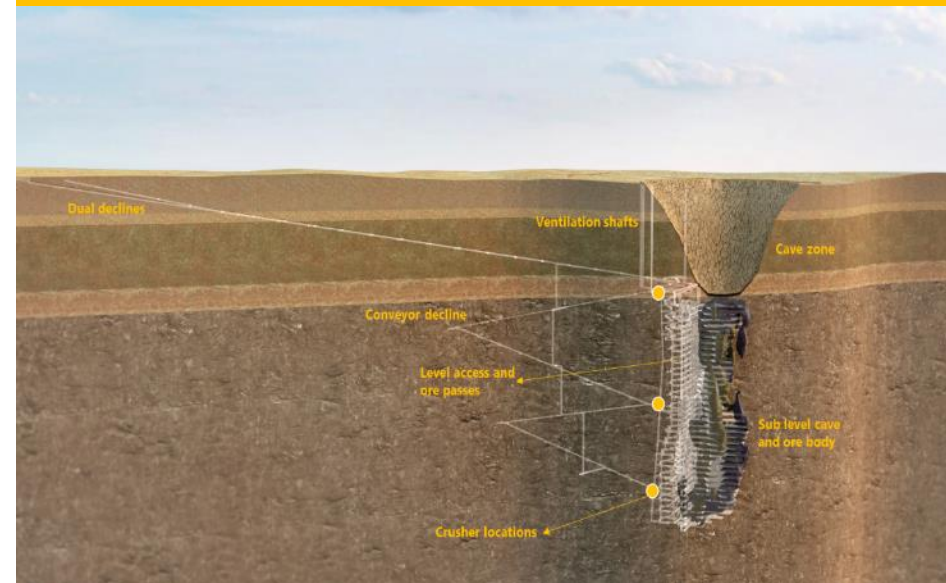
## SLC Design

- / LOM infrastructure offset from the orebody and located outside the modelled major deformation zone
- / Three permanent UG crushers to enhance productivity
- / Level layouts minimise traffic interactions and improve productivity
- / Optimised cave footprint, including the addition of a new level to maximise early ore
- / Multiple level draw strategy and initial cave extraction strategy maximises early ore tonnes in production profile

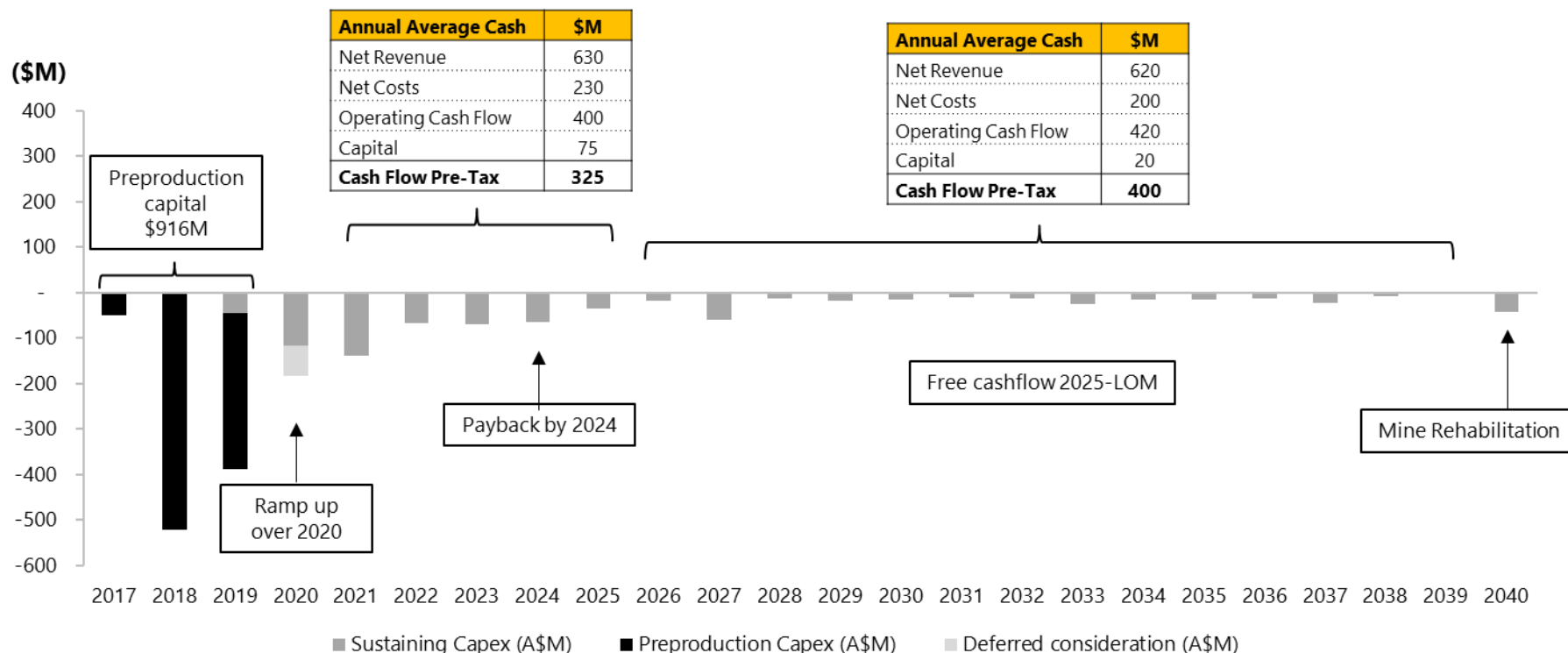
## MINE DESIGN



## SLC AREA AND NEAR MINE INFRASTRUCTURE



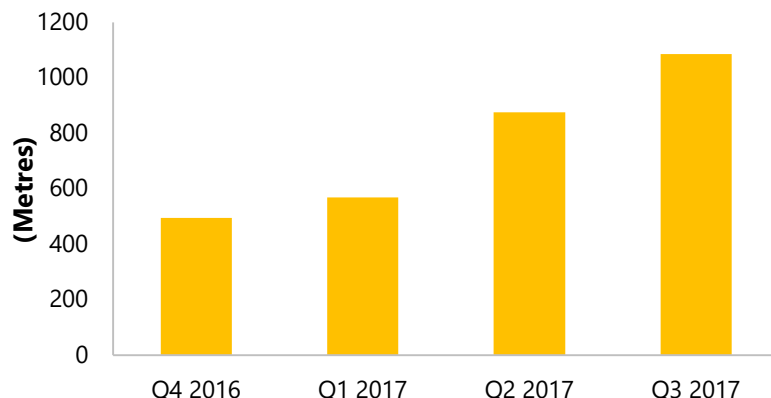
# LOM Cash Flows



- / Ramp up to full production over 18 months
- / Quick payback by 2024 followed by consistent cashflows throughout LOM with options for expansion
- / LOM Net revenue of \$12.2 billion with pre tax net cashflows of \$6.2 billion (\$4.2 billion post tax)
- / Strong consistent operating cashflows over a 20 year mine life with low capex required and high margins
- / Higher sustaining capex during ramp up and first five years of full production
- / Payment of deferred consideration of US\$50m in 2020

# Underground Development

## QUARTERLY DECLINE ADVANCE



## VENTILATION FAN INSTALLATION



## PROGRESS DURING Q3 2017

- / Second decline broken through to boxcut on schedule, providing primary ventilation circuit and improving access
- / Rapid development rates being supported by implementation of business improvement processes
- / Total decline development on plan at 3,017 metres (1,536 metres to face of Tjati decline); vertical depth 219 metres
- / Portal primary fans installed significantly improving ventilation
- / Experienced cave operations and technical staff on-boarded with OZ Minerals
- / Mining study close out completed and handed over to OZ Minerals' project team; results being compiled
- / Geotechnical drilling and test work for underground ventilation infrastructure underway

## UPCOMING ACTIVITY

- / Mining Lease approval process continues, with State and Federal Government departments working to an agreed schedule; grant expected in Q1 2018
- / Continuation of decline development



# Infrastructure Development

## ACCOMMODATION VILLAGE PURCHASED



## ROAD AND POWER INFRASTRUCTURE



## PROGRESS DURING Q3 2017

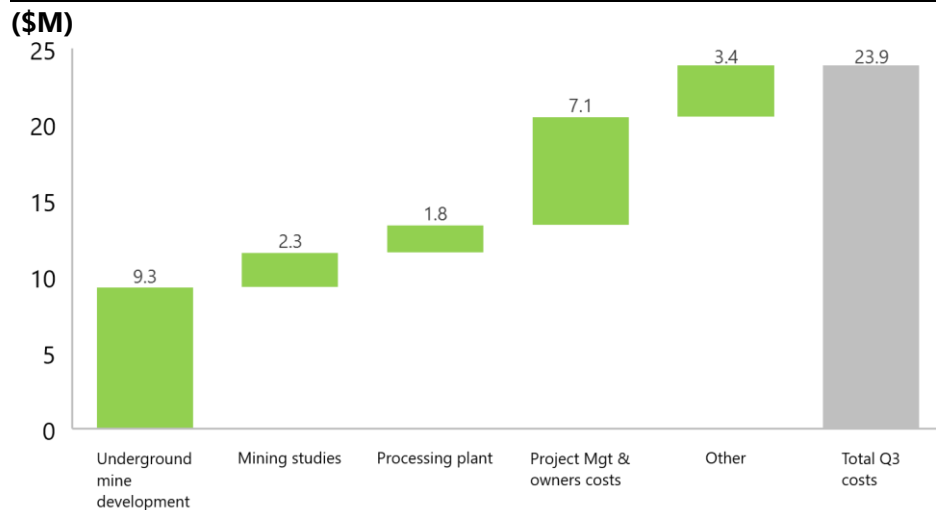
- / Program for Environmental Protection and Rehabilitation (PEPR) approved by SA Government for the airstrip and Tjungu accommodation village
- / Preparatory groundwork for the village and airstrip commenced
- / Pre-owned 550-bed accommodation village purchased and arriving on site in October; installation contract executed
- / Partnering agreement agreed with KBR to assist OZ Minerals in project execution
- / Orders for procurement of long lead items for SAG and Ball mill were authorised in Q3 and placed in October
- / Further water drilling in Northern Borefield commenced
- / Alignment agreed with local stakeholders on Western Access Road route

## UPCOMING ACTIVITY

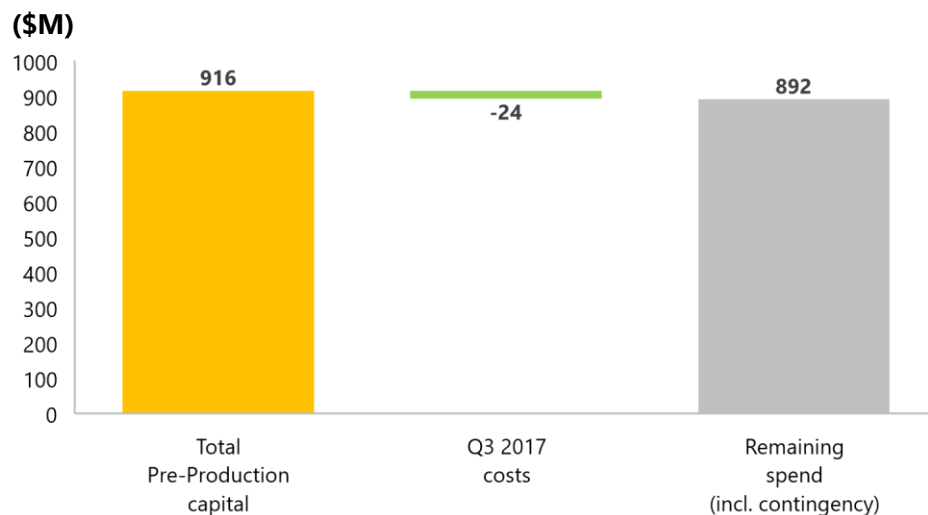
- / Execution of construction contracts for airstrip, Western Access Road, process plant and non-process infrastructure
- / Commencement of on site village and airstrip construction works

# Cost Performance

## Q3 PRE-PRODUCTION CAPITAL EXPENDITURE



## TOTAL PRE-PRODUCTION CAPITAL EXPENDITURE



## COSTS INCURRED DURING Q3 2017

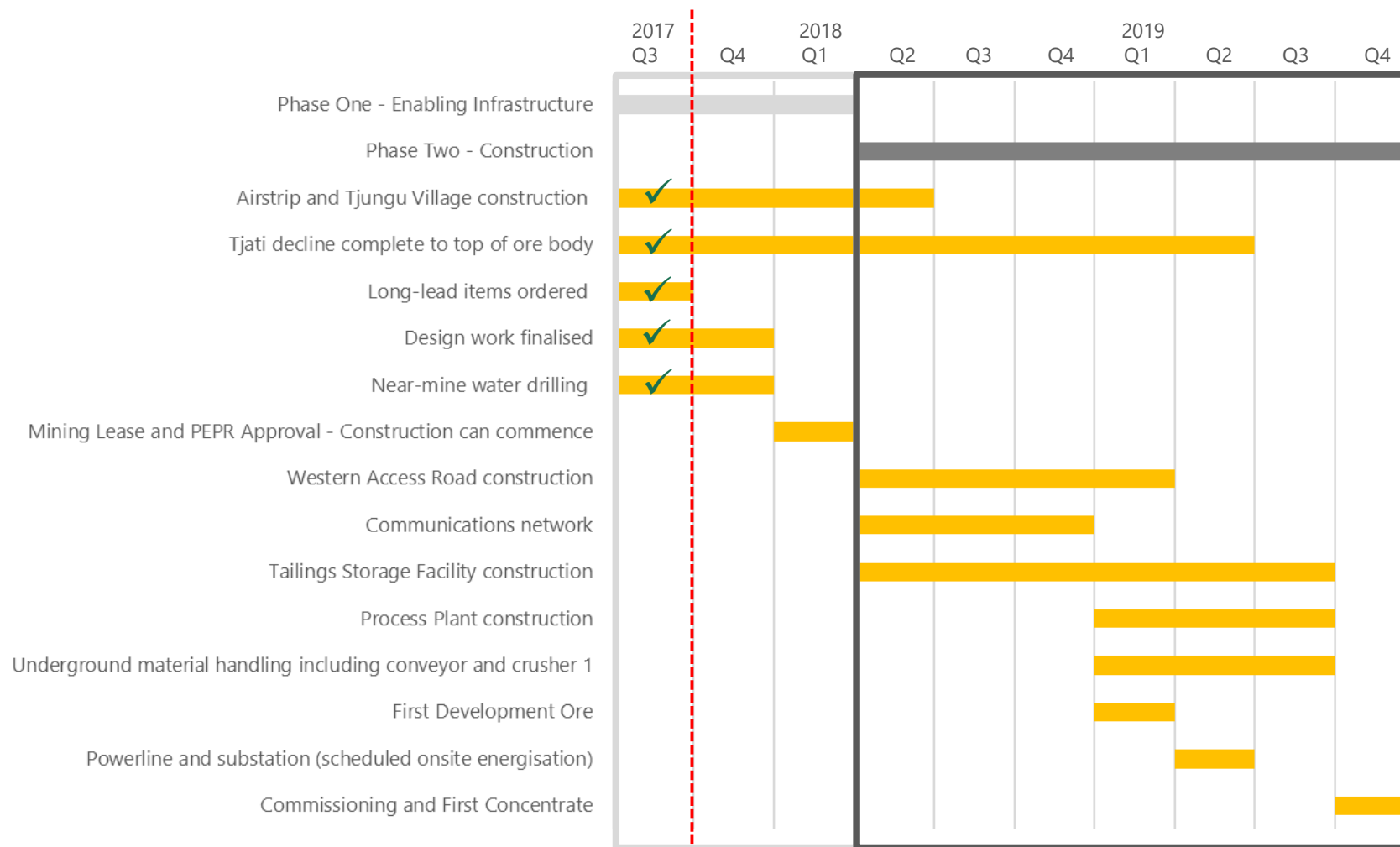
- / Phase one of the project covering enabling infrastructure has commenced on time and budget
- / \$24 million investment into Carrapateena during the quarter
  - / \$9.3 million - Underground mine development
  - / \$2.3 million - Mining studies
  - / \$1.8 million - Processing plant
  - / \$7.1 million - Project management and owners costs
  - / \$3.4 million - Other costs

## UPCOMING ACTIVITY

- / Continuation of village construction
- / Commencement of engineering and manufacture of long lead items
- / Commencement of airstrip construction
- / Continuation of water exploration activities

# Project Schedule

## Two phases



Proceeding to schedule / completed



Behind schedule

# Strategic Projects

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# Strategic Projects Update

## POWER STRATEGY

- / New OZ Minerals Gawler Craton independent power transmission solution design well progressed, supported by existing Energy Solutions Framework with ElectraNet

### Prominent Hill

- / Electricity price remains fixed to end of 2018
- / Discussion ongoing with BHP to optimise joint power transmission
- / Commercial negotiation for emergency diesel generation nearing completion
- / Renewable energy option design and energy saving programs underway

### Carrapateena

- / Electricity price expected to be negotiated in late 2018 / early 2019
- / Development Approval received for new sub-station at Mt Gunson South
- / BOOM negotiations for overhead transmission line from Mt Gunson to Carrapateena progressing to schedule

## CONCENTRATE TREATMENT PLANT

### Design

- / Project scope expanded to include Prominent Hill and Carrapateena concentrates

### Engineering

- / Focus remains on reducing costs by simplifying process, reducing infrastructure needs and minimising reagent consumption and waste production

### Location

- / Port Augusta is preferred location, but trade-off studies on other locations underway

### Approvals

- / Port Augusta baseline environmental monitoring underway with government approvals processes underway. Carrapateena alternate location already considered under existing MLA

# West Musgrave

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# West Musgrave Project

## Cassini Resources JV



### STAGED LOW RISK EARN IN

- ✓ Strategic deal giving access to an established project and significant portion of a new mining province
- ✓ Leveraging significant historical investment
- ✓ Initial commitment of \$3 million for detailed scoping study to identify optimised pathway to commercialisation including opportunities for shared regional infrastructure
- ✓ Limited outlay provides option on significant Resource
- ✓ Focus on improvement in metallurgical recovery and operational scale to extract increased value from the resource

### TIMELINE

	2016	2017	2018	2019	2020	2021	2022	2022
WEST MUSGRAVE JV		Scoping Study	Diamond drilling/metallurgical test work/focus on improving recoveries Infrastructure and power study Water exploration program Updated project economics (12 months)					
			\$3m spend with option to exit					
			PFS	\$15m on PFS + \$4m regional exploration to earn 51% (18 months)				
				FS	\$10m on FS + \$4m on regional exploration to earn 70% (12 months)			

# West Musgrave Scoping Study

## AERIAL VIEW OF CAMP



### ACTIVITY

### STATUS

Metallurgical Test Work	Complete
Transport Logistics Study	Complete
Energy Study	Complete
Water Study	Complete
Resource Extension Drilling	Complete
Process Plant Design	Complete
Geology & Resource Modelling	Complete
Mine Optimisation & Design	In Progress
Study Completion & Delivery	Delivery Q4

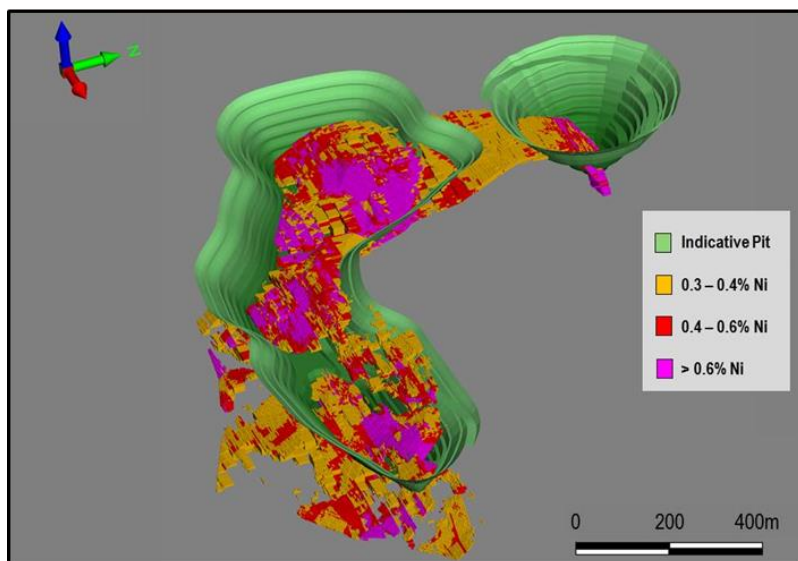
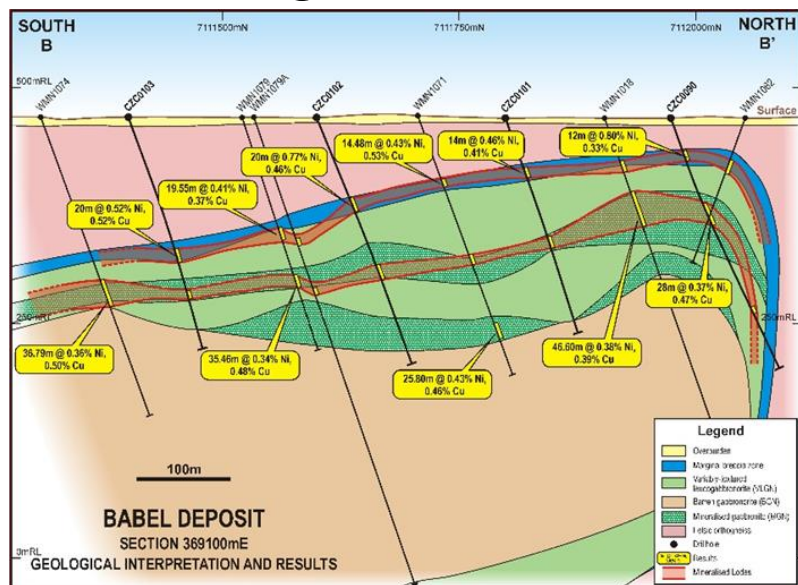
## FINAL SCOPING WORK NEARING COMPLETION

- / Comprehensive metallurgical test work program completed with results supported by independent test program
- / Process plant designs completed to produce separate nickel and copper concentrates
- / Marketing study completed with indicative terms received from potential domestic and export customers
- / Environment study completed with a focus on requirements for the approval process
- / Resource and geometallurgical models completed for Nebo and Babel
- / Mining study well advanced with multiple production rates under consideration

## UPCOMING ACTIVITY

- / Mining study and financial modelling to be completed in early Q4
- / Decision on progression to PFS expected mid Q4

# West Musgrave JV<sup>1</sup> – Nebo Babel



## LARGE RESOURCE

Prospect	Classification	Tonnes (Mt)	Ni %	Cu %	CuEq% <sup>2</sup>	NiEq% <sup>2</sup>
Nebo	Indicated	25.8	0.52	0.46	1.67	0.72
	Inferred	3.0	0.60	0.48	1.88	0.81
	Total (Ind + Inf)	28.9	0.53	0.46	1.70	0.73
Babel	Indicated	69.7	0.39	0.42	1.33	0.57
	Inferred	104.5	0.38	0.40	1.29	0.55
	Total (Ind + Inf)	174.2	0.39	0.41	1.32	0.57
Combined Nebo & Babel	Indicated	95.5	0.43	0.43	1.42	0.61
	Inferred	107.5	0.39	0.40	1.30	0.56
	Total	203.1	0.41	0.42	1.38	0.59

## FAVOURABLE OPEN MINING GEOMETRY

- / Shallow depth to mineralisation (50m)
- / Flat ore deposit, low strip ratios (<3:1)
- / Higher Ni-Cu grades at top of ore body

<sup>1</sup> The information regarding the West Musgrave Project is extracted from Cassini Resources' ASX Release entitled 'Nebo-Babel Scoping Study dated 13 April 2015 and 'Positive Nebo-Babel Optimisation Study Results' dated 14 April 2016 and are available at [www.cassiniresources.com.au/investor-relations/asx-announcements](http://www.cassiniresources.com.au/investor-relations/asx-announcements). The information in this report that relates to exploration results has not been compiled by OZ Minerals. The reported information has been derived from publically available information arising from exploration activity reported by Cassini Resources. OZ Minerals makes no comment or representation regarding the exploration, verification and evaluation techniques adopted in respect of the historical exploration results reported in this announcement.

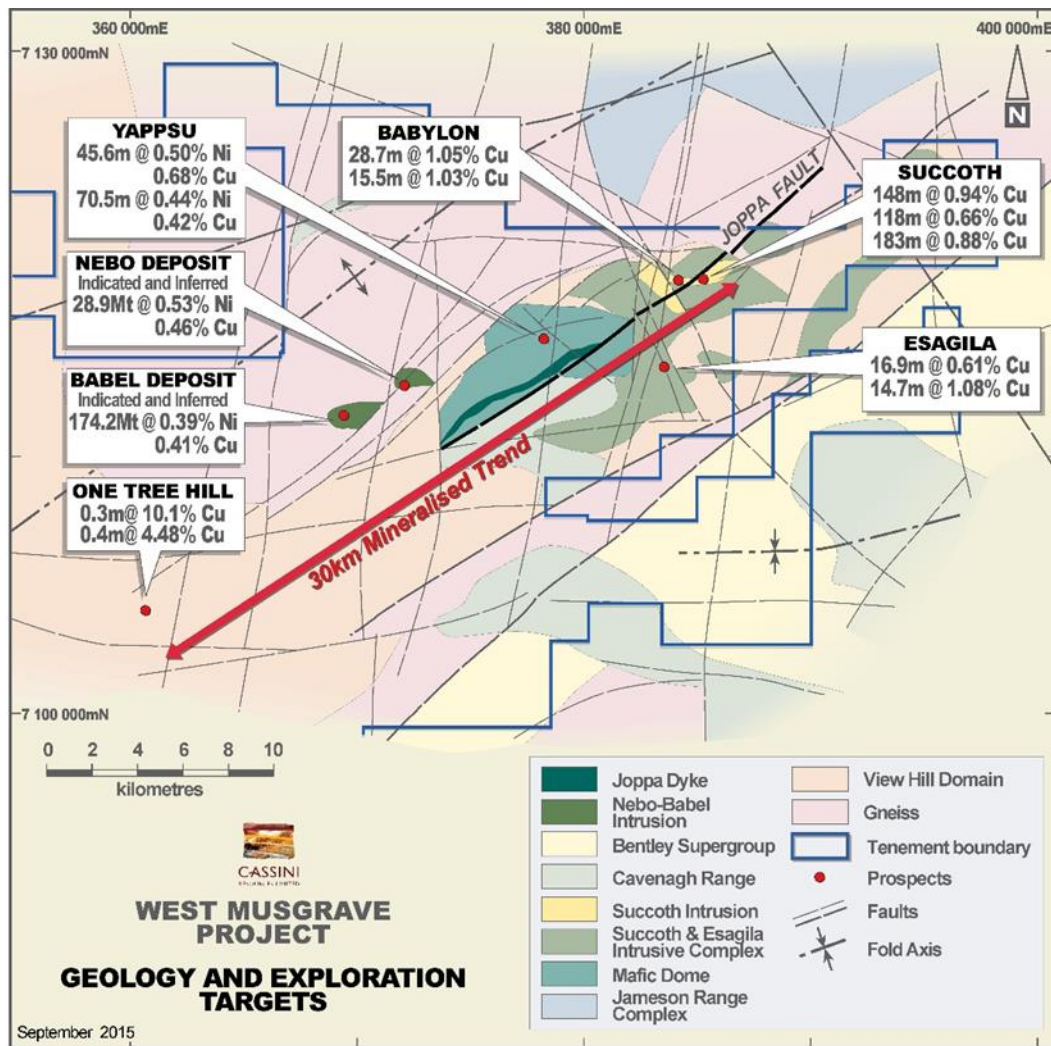
<sup>2</sup> The estimations of copper and nickel equivalences have been calculated by OZ Minerals. The formulae for converting Cu and Ni Head grades into CuEq and NiEq Head grades are as follows:  

$$\text{NiEq} = \text{Ni} + \text{Cu} * (\text{US\$3/lb} * 82.2\%) / (\text{US\$8/lb} * 71.7\%)$$

$$\text{CuEq} = \text{Cu} + \text{Ni} * (\text{US\$8/lb} * 71.7\%) / (\text{US\$3/lb} * 82.2\%)$$
 Metal recoveries used to calculate the conversion factor are 82.2% copper and 71.7% nickel - these are taken from the Cassini scoping study dated 13th April 2015 and based upon metallurgical test work. Metal prices of US\$3/lb copper and US\$8/lb nickel were used in the calculation. It is OZ Minerals' belief that all elements included in the metal equivalent calculation have a reasonable potential to be recovered and sold. Note that the both the CuEq and NiEq are head grade equivalents, which are recommended for reporting resources. CuEq grades have been published to enable a comparison to OZ Minerals' copper assets.



# West Musgrave JV<sup>3</sup> – Regional Exploration



## HIGHLY PROSPECTIVE MINERAL CAMP

- / Extensive regional database
- Numerous prospects with identified Ni-Cu-PGE mineralisation
- / Major copper deposit identified and drill tested
- Succoth maiden inferred resource of 156Mt @ 0.6% copper
- Open along strike and at depth
- Untested nickel potential

<sup>3</sup> The information regarding the West Musgrave Project is extracted from Cassini Resources' ASX Release entitled 'Nebo-Babel Scoping Study' dated 13 April 2015 and 'Positive Nebo-Babel Optimisation Study Results' dated 14 April 2016 and are available at [www.cassiniresources.com.au/investor-relations/asx-announcements](http://www.cassiniresources.com.au/investor-relations/asx-announcements). The information in this report that relates to exploration results has not been compiled by OZ Minerals. The reported information has been derived from publicly available information arising from exploration activity reported by Cassini Resources. OZ Minerals makes no comment or representation regarding the exploration, verification and evaluation techniques adopted in respect of the historical exploration results reported in this announcement.

# Exploration and Growth

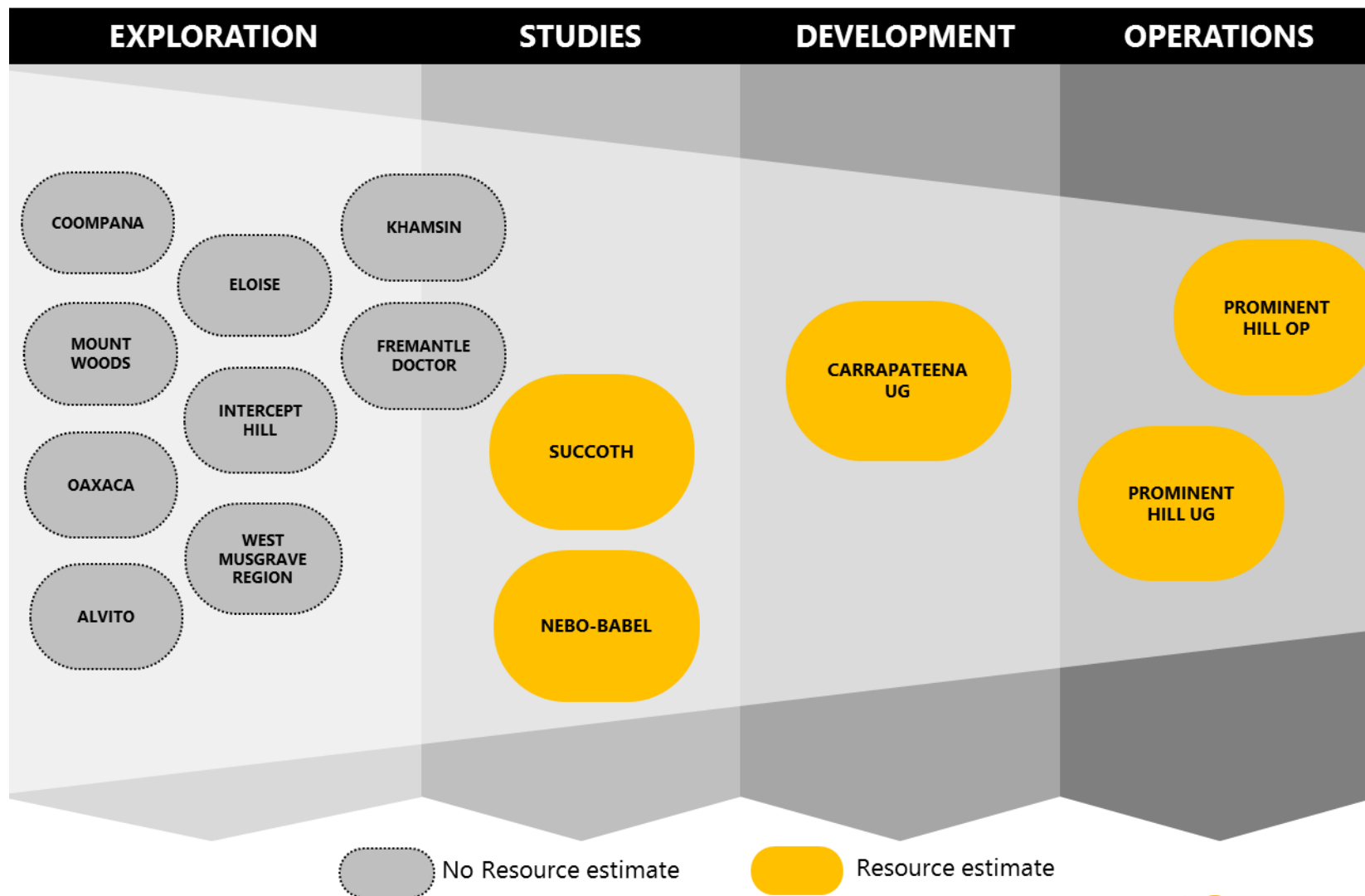
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# Exploration

Pipeline continues to evolve





# Oaxaca Project



## OVERVIEW

- / Targeting Copper / Zinc VHMS systems with Acapulco Gold
- / Salina Cruz port, Oaxaca, Southern Mexico
- / OZ Minerals can earn up to 78% by spending US\$6.8 million over 6 years

## PROGRESS TO DATE

- / Mapping and geochemical sampling at Riqueza Marina 1 and 2
- / Abundant copper oxide mineralisation present
- / Discovery of gossans, interpreted as massive sulphides in natural sub-crop, during mapping work
- / Gossan outlined over approximately 90 x 30 metres surface area

## UPCOMING ACTIVITY

- / Land access, geological mapping and geochemical sampling to continue
- / Geophysics program and drill permitting to commence in Q4

# Alvito Project



## OVERVIEW

- / Exploring for IOCG mineralisation with Avrupa Minerals
- / 60km southeast of Lisbon, Portugal
- / OZ Minerals can earn up to 75% by spending A\$4 million over 2.5 years
- / Strong mining culture and supportive community with easily accessible terrain for exploration activities
- / On ground activities to be undertaken by Avrupa Minerals with oversight by OZ Minerals

## PROGRESS TO DATE

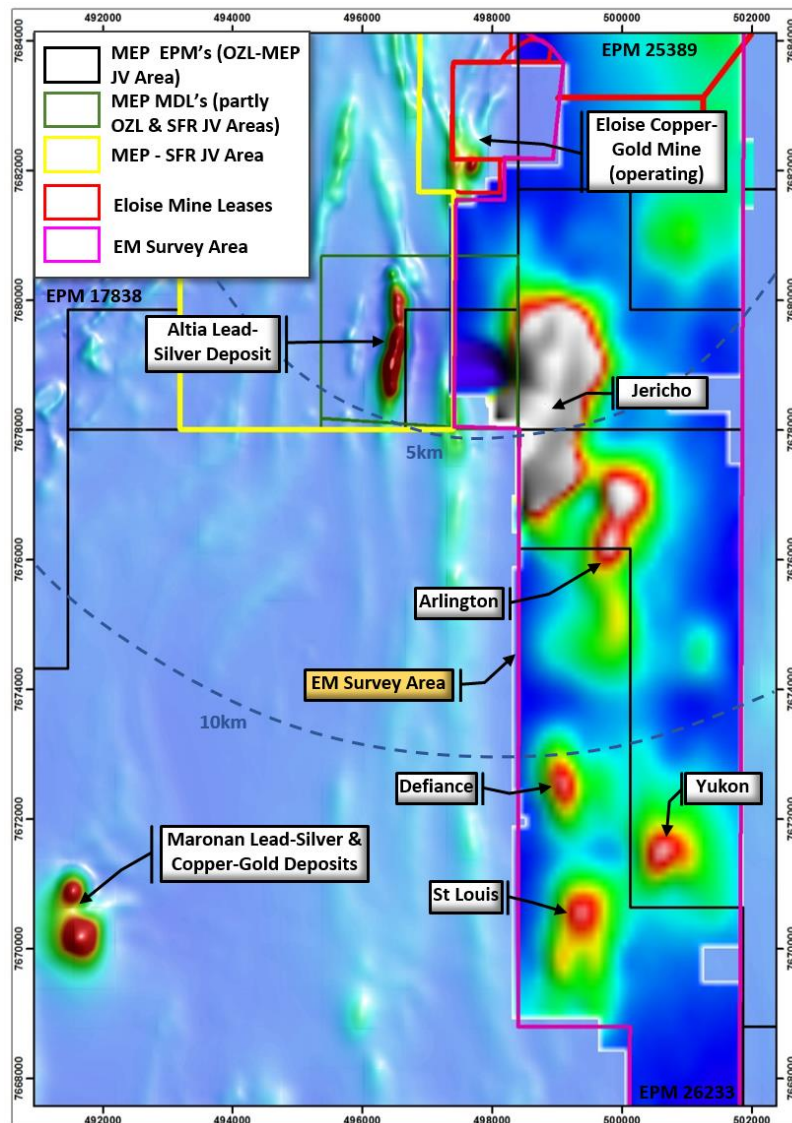
- / Gravity anomaly delineated over key geological contact
- / Massive iron oxide alteration and boxworks, coincident with corridor of anomalous gravity
- / Copper mineralisation at surface

## UPCOMING ACTIVITY

- / Geological mapping, data compilation and integration, target generation and land access
- / Target to be drilled in Q4 2017 / Q1 2018



# Eloise Project



## OVERVIEW

- / Targeting Eloise style massive sulphides with Minotaur Exploration
- / 60km southeast of Cloncurry, Queensland
- / OZ Minerals can earn up to 70% by spending A\$10 million over 6 years

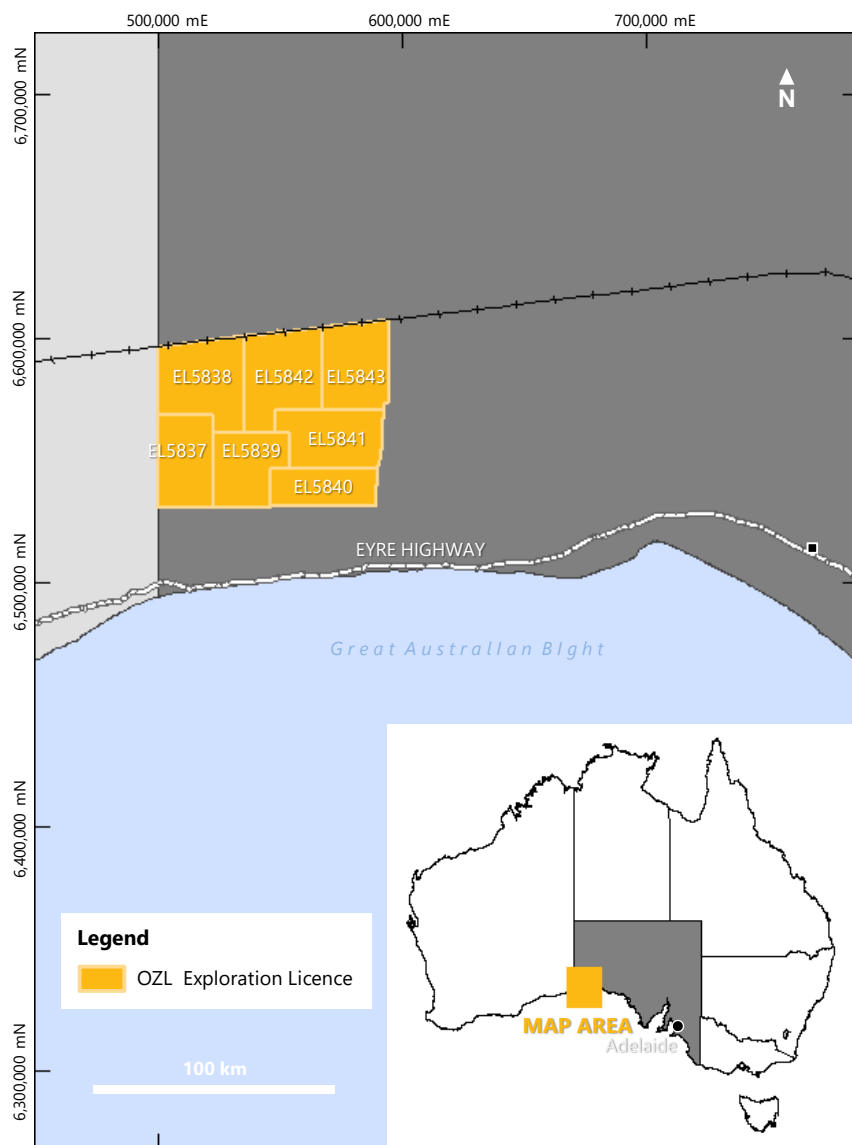
## PROGRESS TO DATE

- / Extensive EM survey completed over the Levuka shear zone has identified a number of anomalies including:
  - / Jericho: a 3-4km long conductive zone with multiple plates; target depths between 50-275m
  - / Arlington: a multi-plate anomaly up to 2.5km in length, modelled to be 300-450m below surface
  - / St Louis: a two-plate anomaly up to 2km in length, modelled to be 135-265m below surface

## UPCOMING ACTIVITY

- / Drilling program has commenced with expected completion in November

# Coompana Project



## OVERVIEW

- / Targeting nickel – copper magmatic sulphides with Mithril Resources
- / Coompana, far south west of South Australia
- / OZ Minerals to dilute to 80% if Mithril elect to co-fund drilling program

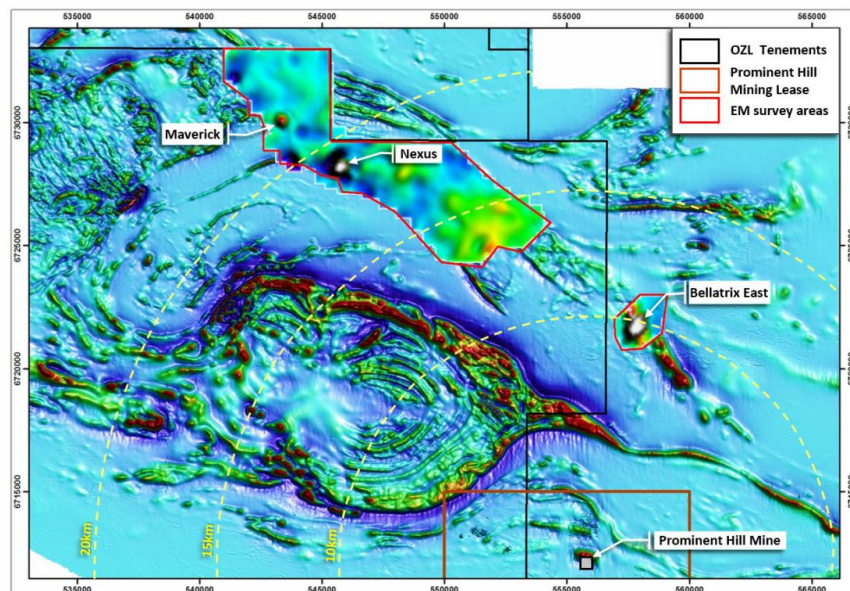
## PROGRESS TO DATE

- / State government funded geophysical programs
- / DSD sponsored gravity survey complete
- / Geological Survey of South Australia (GSSA) and Geoscience Australia (GA) scientific drilling underway

## UPCOMING ACTIVITY

- / Technical data compilation

# Mt Woods Project



## OVERVIEW

- / ISCG and IOCG exploration with Minotaur
- / Mount Woods Inlier, host of Prominent Hill
- / Alliance formed by co-funding drilling programs on mutually agreed targets

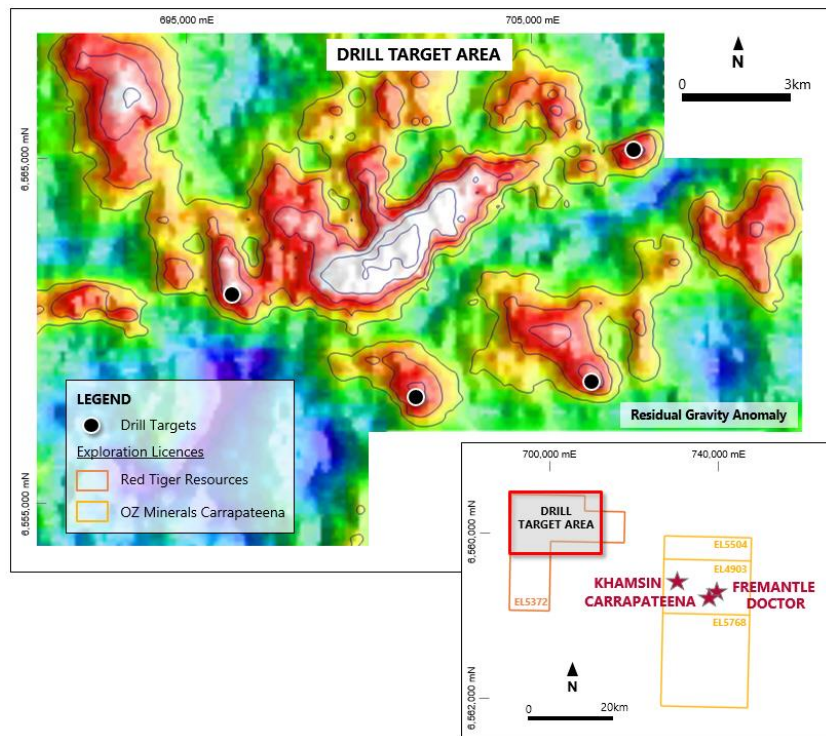
## PROGRESS TO DATE

- / EM completed over Skylark shear zone with 3 anomalies selected for drilling
- / Maverick: a relatively shallow target (135m below surface) located at the southern margin of the Skylark Shear zone
- / Nexus: a high conductance (4900s), 300m long plate, 180m below the surface; no recorded drilling in area
- / Bellatrix East: 2 anomalies with plate size up to 400m in strike length and depth; nearby historic drilling has low grade copper mineralisation and strong hydrothermal alteration

## UPCOMING ACTIVITY

- / Drilling targets to commence in Q4

# Intercept Hill Project



## OVERVIEW

- Targeting Iron Oxide Copper Gold (IOCG) mineralisation with Red Tiger Resources
- 30km north-west of Carrapateena
- OZ Minerals can earn up to 75% by spending \$9 million

## PROGRESS TO DATE

- 3 holes completed and no significant mineralisation returned
- Geological and geophysical interpretation identified target for final hole of the program
- Land access and heritage clearances complete

## UPCOMING ACTIVITY

- Last drill hole on final remaining target planned for Q4





# Guidance



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# Guidance

Guidance	2017	2018	2019
PROMINENT HILL:			
Copper production*	105,000 to 115,000 tonnes	90,000 to 100,000 tonnes	90,000 to 100,000 tonnes
Gold production*	115,000 to 125,000 ounces	120,000 to 130,000 ounces	120,000 to 130,000 ounces
Open pit total movement	15Mt to 20Mt	< 5Mt	
Open pit strip ratio	Circa 0.5 times	Circa 0.25 times	
Open pit unit mining costs**	\$7.00 - \$7.25/tonne***		
Underground ore movement	2.3 - 2.6Mt		
Underground unit mining costs**	\$50 to \$60/tonne		
Underground capital expenditure	\$45M - \$55M (inc. development)		
Site sustaining capital expenditure	\$15 to \$20 million		
All in sustaining cost	US 120c – US 130c/lb		
C1 costs (OP & UG)	US 85c - US 95c/lb		
OTHER:			
Exploration	\$10 - \$15 million		
West Musgrave Scoping Study	Circa \$3 million		

\* These production targets must be read in conjunction with the production cautionary statement on slide 3

\*\* Open Pit Unit Mining Costs include geology costs. Underground Unit Mining Costs include geology costs and exclude underground capital expenditure.

\*\*\* Revised downward in Q3 2017 from \$7.25 - \$7.75/tonne