

Minotaur Exploration | ASX: MEP

Activity Outlook – H1 of 2020

AGM 28 November 2019

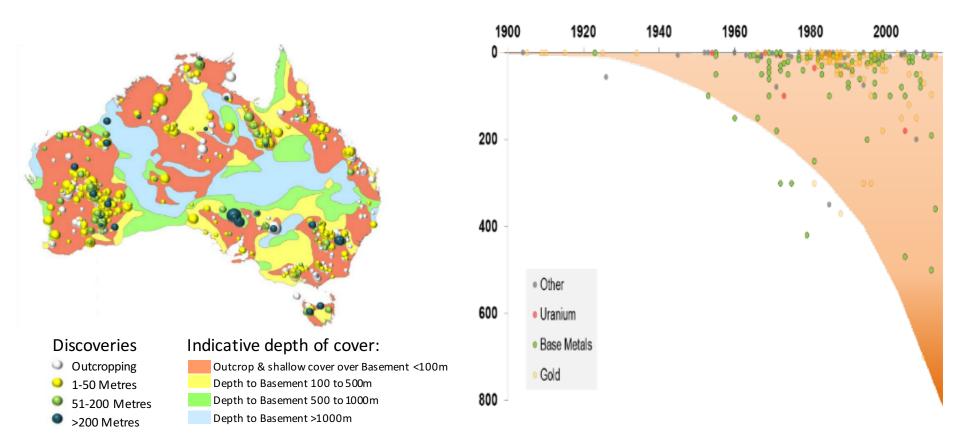


Minerals exploration is going under cover



Approximately 80% of basement rocks in Australia are obscured under cover ¹

Depth of cover to major mineral discoveries in Australia is increasing

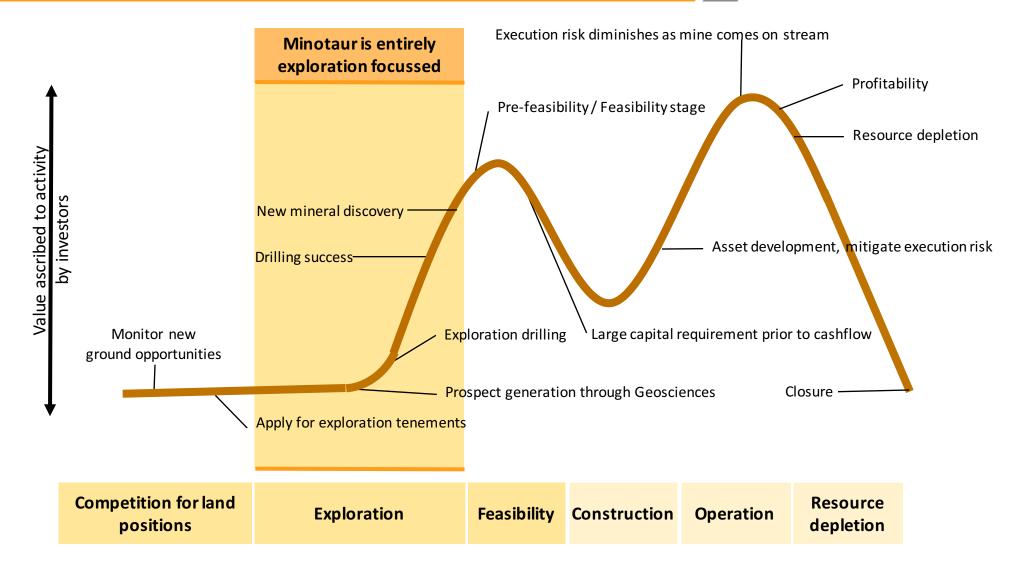


Source: MinEx Consulting © November 2015 Geoscience Australia

Source: MinEx Consulting © November 2015 Geoscience Australia

Exploration in the mining value chain





Minotaur is a steady base metals explorer





Expert in locating 'blind targets': Exploring difficult-to-prospect areas using a tool box of refined igeophysical techniques to locate mineralisation 'under cover'



Active in the right space: Strong outlook for base metals, with an impending long term supplydemand imbalance and expected price growth as head grades decline at major producers



Proven JV business model and strong track record: Minimises risk/dilution for shareholders, leads to high activity levels; demonstrated at Artemis (2014), Iris-Electra (2016), Jericho (2017)



High quality portfolio: Strategic partnerships with OZ Minerals (\$14.6m invested and 30,000m drilled at Jericho), world class halloysite-kaolin deposit at Poochera, Windsor VMS prospects



Multiple levers for near term re-rating: Ground geophysics at Warrawee; resumption of drilling at Jericho; pre-feasibility study at Poochera



Platform model grows portfolio: Strong target generation pipeline - Cloncurry Alliance, Highlands Cu-Au prospects, Peake & Denison IOCG prospects - provides growth options

Corporate snapshot



Share price (22 Nov 2019)

A\$0.047

Market capitalisation

A\$16.7m

Net Cash¹: A\$1.0m

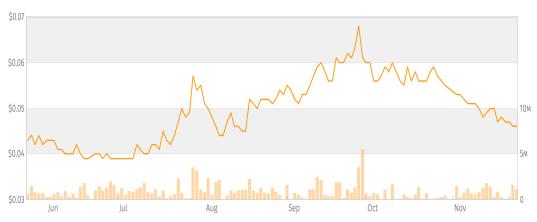
ASX Investments²: A\$1.898m

Enterprise value

A\$14.2m

MEP price is at 38% discount to its 52 week high of 7.6c

6 month Share price chart (Acps) Source: IRESS



Major shareholders

Affiliates of the Sprott Group mining investor	12%
Yarraandoo private investor	7.0%
OZ Minerals ASX-listed copper-gold miner	2.4%
Miningnut private investor	1.3%
Chetan Enterprises private investor	1.1%
Тор 20	34.7%

Notes:

- 1. Cash = A\$1.0m, Debt = A\$0.36m, as at 31 Oct 2019, excludes non-recourse loan carry arrangement with OZ Minerals
- 2. Listed investments = A\$1.9m as at 22 Nov 2019; comprised 13.95% stake in Auroch Minerals (ASX:AOU), 0.63% stake in Petratherm (ASX:PTR) and 12.4% stake in Thomson Resources (ASX:TMZ)

JMEI Tax Benefit for Minotaur's investors



FY 2019

MEP distributed \$363k in JMEI tax credits for FY2019

- Participants in the May 2019 Placement at 4c received 0.46c per share
- Participants in the Oct 2018 SPP at 4.2c received 0.48c per share
- > Represents 11.5% return

ie: a \$10,000 investment receives a tax credit of \$1,150

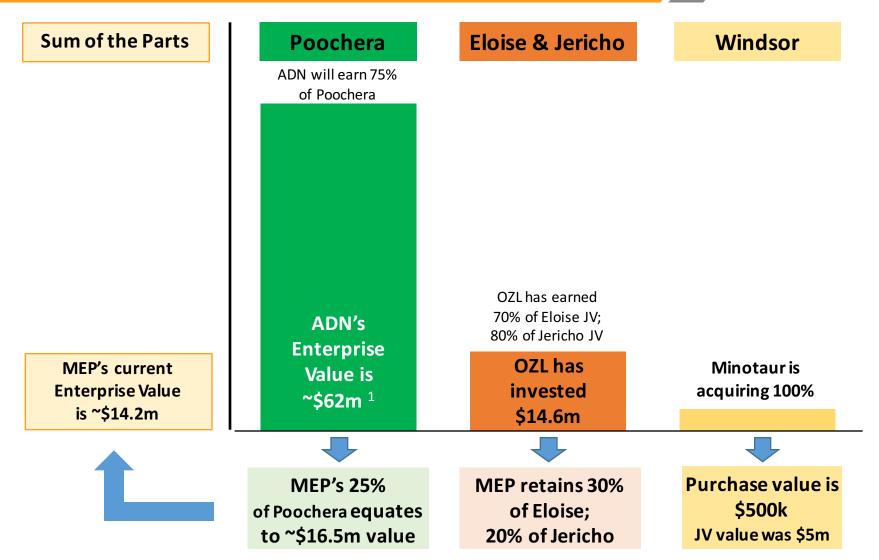
FY 2020

Minotaur secured \$1.06 million JMEI tax credits for distribution in FY2020

MEP may distribute from 0.5c and up to 1.1c per share (est) for greenfields exploration capital raised in FY2020

Minotaur's asset base





Notes:

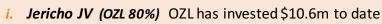
Minotaur's portfolio



Asset base built through systematic ground selection and project generation expertise



Cloncurry partnerships with OZ Minerals



Minotaur is 'loan carried' to production from April 2019

ii. Eloise JV (OZL 70%) OZL has invested \$4m to date

EM targets ready to drill after Wet Season

OZ Minerals is sole funding Eloise JV by A\$3m to 2021

III. Cloncurry Alliance OZ Minerals is funding Minotaur with \$1m for project

generation activities to 2021

- Windsor base metals JV (MEP may earn 80%)
- 631km² tenement package sited immediately east of Red River's Thalanga Zn-Pb-Cu mine
- Inaugural IP survey located a prospective VMS horizon under shallow cover
- Reconnaissance drilling showed the IP anomaly was due to pyritic shales
- IP remains a valid search tool
- 3D IP survey at 'Warrawee' deferred until Q2
 2020 due to fire risk and West season conditions

- Poochera JV (MEP 100%; ADN: earning 75%)
 - 'World-class' Kaolin-Halloysite deposits
- Andromeda Metals (ASX: ADN) to invest A\$6m by 2023
- ADN's Scoping study reported 174% IRR for 15 year LoM
- ADN is fully funded to complete PFS
- ADN proceeding with mine permitting activities
- Minotaur will receive 25% of mine cash flows

- Peake & Denison (MEP: 100%)
 - 2,500km² potentially a new frontier IOCG terrane
 - Multiple IOCG and BHT style targets modelled from regional magnetics
 - AMT survey planned for early 2020 to pinpoint anomalies, subject to land access approvals
- Highlands (MEP: 100%)
 - 753km² surrounding Round Oak Minerals' new Barbara Cu-Au mine

Intermediate Activity Timeline



Asset	Activity	Work plan	Dec	Q1	Q2	\$
Jericho JV	Resource drilling	Underground mining scenarios, decisions on next activities				071
		Next phase drilling (after Wet season, subject to OZL decision)		 		OZL
Eloise JV	D 1: (D III:	Land Access arrangements				OZL
	Readying for Drilling	Ground EM over Big Foot/Little Foot, drilling at Seer		 		OZL
Cloncurry Alliance	Opportunity identification	New project selection; acquisition			 	OZL
		Complete tenement acquisition process			i I I	
Windsor	Acquisition & Target generation	3D IP survey over outcrop at Warrawee prospect		! ! !		MEP
		Drill test Warrawee 3D IP response				
Poochera	Commercialisation	Andromeda - Permitting & pre-feasibility study				ADN

Windsor: prospective for Zn, Pb, Cu, Au

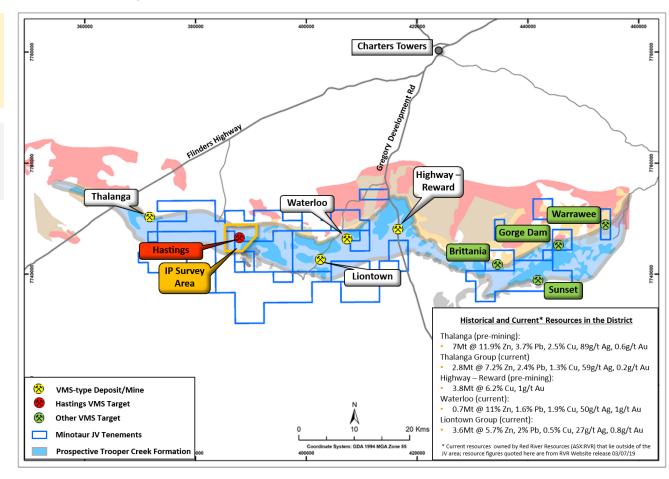


Minotaur is purchasing 100% tenement ownership for \$250k Cash + \$250k of Minotaur shares

Trooper Creek Formation (TCF) is a highly prospective sequence extending across the tenement group

Red River Resources (ASX: RVR) reported impressive polymetallic results at Liontown eg: 5.35m @ 57.1% Zn Eg from New Queen Lens (see RVR ASX report dated 13 Nov 2019)

- Drilled into Hastings IP anomaly; found to be due to black shales
- IP remains a valid target generation technique
- Further IP to be carried out along **Trooper Creek Formation**
- 3D IP survey at Warrawee was suspended due to fire risk declaration across Queensland
- Field work will resume after the Wet season



Windsor JV: Warrawee VMS Prospect

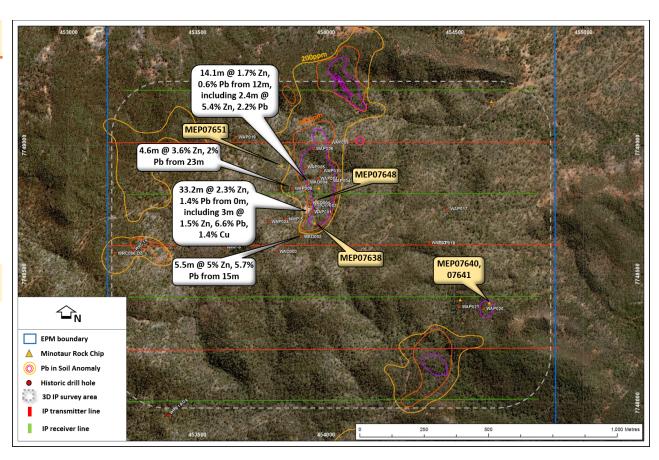


VMS Outcrop

- Gossans are Pb-Ag-Cu-Zn mineralised
- Shallow 1992 drilling failed to locate source of mineralisation
- Recent rock chip samples taken:
 - > 67.6g/t Au (MEP07641)
 - 5060g/t Ag (MEP07648)
 - > 498g/t Ag (MEP07651)

Warrawee work plan

- 3D IP technique to map the subsurface for sulphide source
- 3D IP survey over 1,600m x 1,200m was initiated mid November
- Activity was suspended due to onset of severe fire risk conditions
- Survey team to be re-mobilised in April 2020, after Wet season



Warrawee 3D IP survey area with historic drill intercepts, soil anomalism gradients and selected rock samples taken by MEP

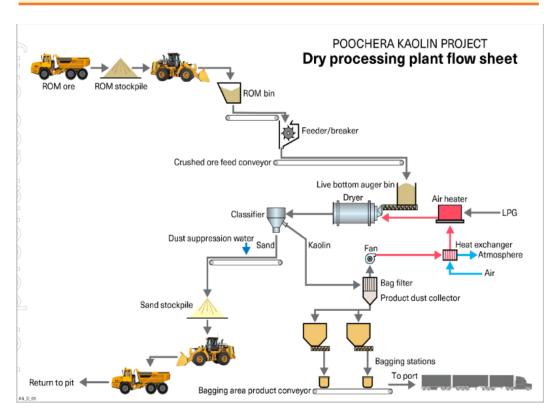


Poochera: Kaolin-Halloysite JV



Andromeda Metals (ASX: ADN, EV ~\$62m) is earning 75%; Minotaur will receive 25% of mine revenues

Simple, dry processing plant flow sheet



Refer ADN Scoping Study released on 30 September 2019 for details

Andromeda Metals' (ADN) Scoping Study

Mine Plan – Production Target	
From Measured Resources	4.2 Mt
From Indicated Resources	3.4 Mt
Total Production Target	7.6 Mt
Capital Costs	
Initial Capital Costs, Year 0	\$9M
Working Capital to Month 3, Year 1	\$16M
Maximum Cash Requirement	\$25M
Processing Plant, funded by internal cash flow, Year 2	\$28M
Sustaining Capital Costs (Years 3-15 @ \$600K/yr)	\$9M
Production Summary	
Mine life	15 years
Dry-processing rate of kaolinised granite	500ktpa
Strip Ratio (Waste:Ore)	2.3
Premium Refined Kaolin Produced	187ktpa
Average Yield of Refined Kaolin (LOM average)	37%
Project Economics	
Kaolin Price – Premium Wet-Refined (A\$/tonne ex Asian works)	\$700/t
Revenue	\$1,953M
AISC equivalent (AUD/tonne Wet-Refined Premium Kaolin)	\$396/t
EBITDA LoM	\$844M
Cashflow	\$798M
NPV (8% pre-tax)	\$413M
IRR	174%
Payback from start of site works	15 months



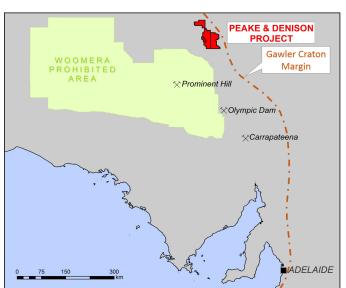
Peake & Denison: a base metals terrane

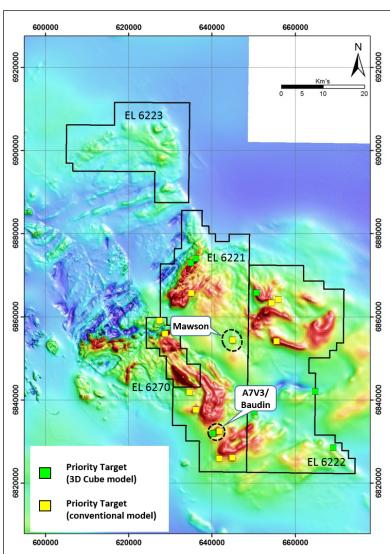


On the edge of the Gawler Craton

Peake and Denison Inlier shows striking similarities to Cloncurry terrane with multiple, large magnetic anomalies

- Regional granitoid Fe-Na-Ca alteration ages (1533-1490Ma) in same age range (1530-1490Ma) as Cloncurry granites
- 2,500km² with only 23 historic drill holes penetrating basement





MEP 100%

- Bedrock ages obtained from historic core by Minotaur
- Core shows chalcopyritepyrite breccia in hydrothermal magnetite
- some magnetic anomalies lie adjacent to large faults
- 19 targets identified
- ground geophysics needed to refine drill designs
- AMT technique to be trialled in Q1 of 2020

Target types

- Ernest Henry style Cu-Au breccia
- BHT-type Zn-Pb-Ag similar to **Cannington**





Important Notice

About the Eloise Joint Venture

OZ Minerals Ltd (ASX: OZL) expended \$10 million in exploration activity through to 30 March 2019 on Minotaur's 'Eloise' tenements, 65km south-east of Cloncurry, Queensland, and thereby earned 70% beneficial interest. OZ Minerals will sole fund up to \$13 million by August 2021 to maintain its 70% beneficial interest in the tenement package. Minotaur is manager and operator of the joint venture.

About the Jericho Joint Venture

OZ Minerals converted its 70% interest in the Jericho deposit to 80% by undertaking to fund Minotaur's 20% share of all expenses at Jericho from 1 April 2019 until production. The accruing amount is captured in a non-recourse loan account which Minotaur is liable to repay only from potential future positive cash flow from the Jericho deposit. At 30 September 2019 the loan balance was ~\$0.95 million.

Disclaimer

This presentation has been prepared by the management of Minotaur Exploration Limited ("Minotaur", ASX: MEP) for the general benefit of analysts, brokers and investors and does not constitute specific advice to any particular party or persons. Information herein is based on publicly available information, internally developed data and other sources. Where an opinion, projection or forward looking statement is expressed in this presentation, it is based on the assumptions and limitations mentioned herein and is an expression of present opinion only. No warranties or representations are made or implied as to origin, validity, accuracy, completeness, currency or reliability of the information. Minotaur specifically disclaims and excludes all liability (to the extent permitted by law) for losses, claims, damages, demands, costs and expenses of whatever nature arising in any way out of or in connection with the information, its accuracy, completeness or by reason of reliance by any person on any of it. Where Minotaur expresses or implies an expectation or belief as to the success of future exploration and the economic viability of future project evaluations, such expectation or belief is expressed in good faith and is believed to have a reasonable basis. However, such projected outcomes are subject to risks, uncertainties and other factors which could cause actual results to differ materially from projected future results. Such risks include, but are not limited to, exploration success, metal price volatility, changes to current mineral resource estimates or targets, changes to assumptions for capital and operating costs as well as political and operational risks and government regulatory outcomes. MEP disclaims any obligation to advise any person if it becomes aware of any inaccuracy in or omission from any forecast or to update such forecast.

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.

US Investors

This presentation does not constitute an offer to sell or a solicitation of an offer to buy any of the securities in the United States of America. The securities have not been and will not be registered under the United States Securities Act of 1933 (the "1933 Act") or any state securities laws and may not be offered or sold within the United States or to U.S. Persons (as defined in the 1933 Act) unless registered under the 1933 Act and applicable state securities laws, or an exemption from such registration is available.