



Ardea Resources Limited

Ardea Resources is an Australia - focused
developer and explorer

DEVELOPING

the Goongarrie
Nickel Cobalt Project

EXPLORING

for Western Australian
Gold and Nickel Sulphides

DIVESTING

our New South Wales
Gold and Base Metal Projects

May 2019 Investor Presentation

Presented by Andrew Penkethman

Disclaimer

Important notice

This presentation contains general information only and is, or is based upon, information which has been released to ASX or is contained in the Company's prospectus dated 9 November 2016 (including supplementary prospectuses dated 18 November 2016 and 6 January 2017), the Goongarrie Nickel Cobalt Project Pre-Feasibility Study (dated 28 March 2018) the Goongarrie Expansion Study (24 July 2018), Goongarrie Pilot Plant trial produces battery grade crystals (31 October 2018), Lewis Ponds met testwork produces high grade concentrates (26 November 2018), Goongarrie Nickel Cobalt Project Update (8 April 2019), Drilling at Gale identifies large scale gold system (11 April 2019), Ardea advances NSW Gold and Base Metals IPO (29 April 2019) and Ardea Quarterly Operations Report, for the quarter ended 31 March 2019 (30 April 2019). This presentation is not an invitation, offer or recommendation (express or implied) to subscribe for, or apply for the purchase of, or to take any other action in respect of securities of any entity described herein and is not a prospectus, product disclosure statement or disclosure document for the purposes of the Corporations Act 2001 (Cth) and has not been lodged with ASIC. None of Ardea Resources Limited (Ardea or the Company) or its representatives are providing or offering investment advice or services by making this presentation.

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This presentation contains forward-looking statements regarding the Company's resources, intentions and future business. These statements reflect current information, expectations, intentions and strategies regarding the future, and are subject to certain risks and uncertainties. Should one or more of these risks or uncertainties materialise, or should any of the underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this presentation. Investors are cautioned not to place undue reliance on forward-looking statements, which speak only as of the date they are made. Other than where required by law, the Company is under no obligation to revise any forward looking statement to reflect events or circumstances after the date of this presentation or to reflect the occurrence of unanticipated events.

The Goongarrie Project has completed the Pre-Feasibility Study phase and has commenced programs that are part of the Definitive Feasibility Study. Though reasonable care has been taken to ensure that the facts are accurate and/or that the opinions expressed are fair and reasonable, no reliance can be placed for any purpose whatsoever on the information contained in this document or on its completeness. Actual results and developments of projects and the market development may differ materially from those expressed or implied by these forward looking statements depending on a variety of factors. A key conclusion of the Pre-Feasibility Study and Expansion Study, which is based on forward looking statements, is that the Goongarrie Project is considered to have positive economic potential.

No stock exchange, regulation services provider, securities commission or other regulatory authority has approved or disapproved the information contained in this news release.





Ardea Resources Limited

Is an Australia-focused developer and explorer

1

DEVELOPING

the Goongarrie
Nickel Cobalt Project



*Nickel Sulphate crystals from
ARL pilot plant work*

2

EXPLORING

for Western Australian
Gold and Nickel Sulphides

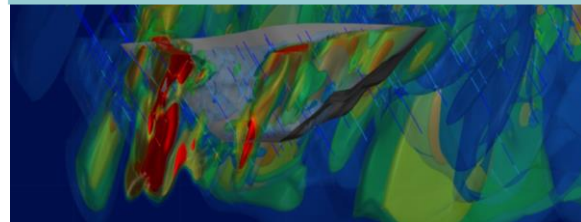


*Gold nuggets recovered from
ARL WA tenements*

3

DIVESTING

our New South Wales
Gold and Base Metal Projects



*3D model of Mt Aubrey epithermal
gold system*



Corporate Snapshot

Capital Structure

Shares on Issue	106,145,424
Share Price (30 April 2019)	\$0.435
52 week high / low	\$1.195 / \$0.41
Cash (31 Mar 2019)	\$10.7 million
Market Cap (30 April 2019)	\$46.2 million
Unlisted Stock \$0.25 options (IPO)	11.155 million
Staff performance rights	3.390 million

Ian Buchhorn and associates	11.3%
Citicorp Nominees	8.4%
Brian O'Shannassy and associates	8.5%
BNP Paribas Nominees	4.8%
JP Morgan Nominees	4.7%

Top 20 shareholders hold: 55%

Katina Law	Executive Chair
Ian Buchhorn	Executive Director
Wayne Bramwell	Non-Executive Director
Andrew Penkethman	Chief Executive Officer
Sam Middlemas	Chief Financial Officer
Dr Matt Painter	GM - Exploration

*Experienced management team with global experience in the resources sector, from corporate fundraising, exploration, discovery, feasibility studies, development and operations. **Ardea has a quality project portfolio and the team to make their projects succeed***

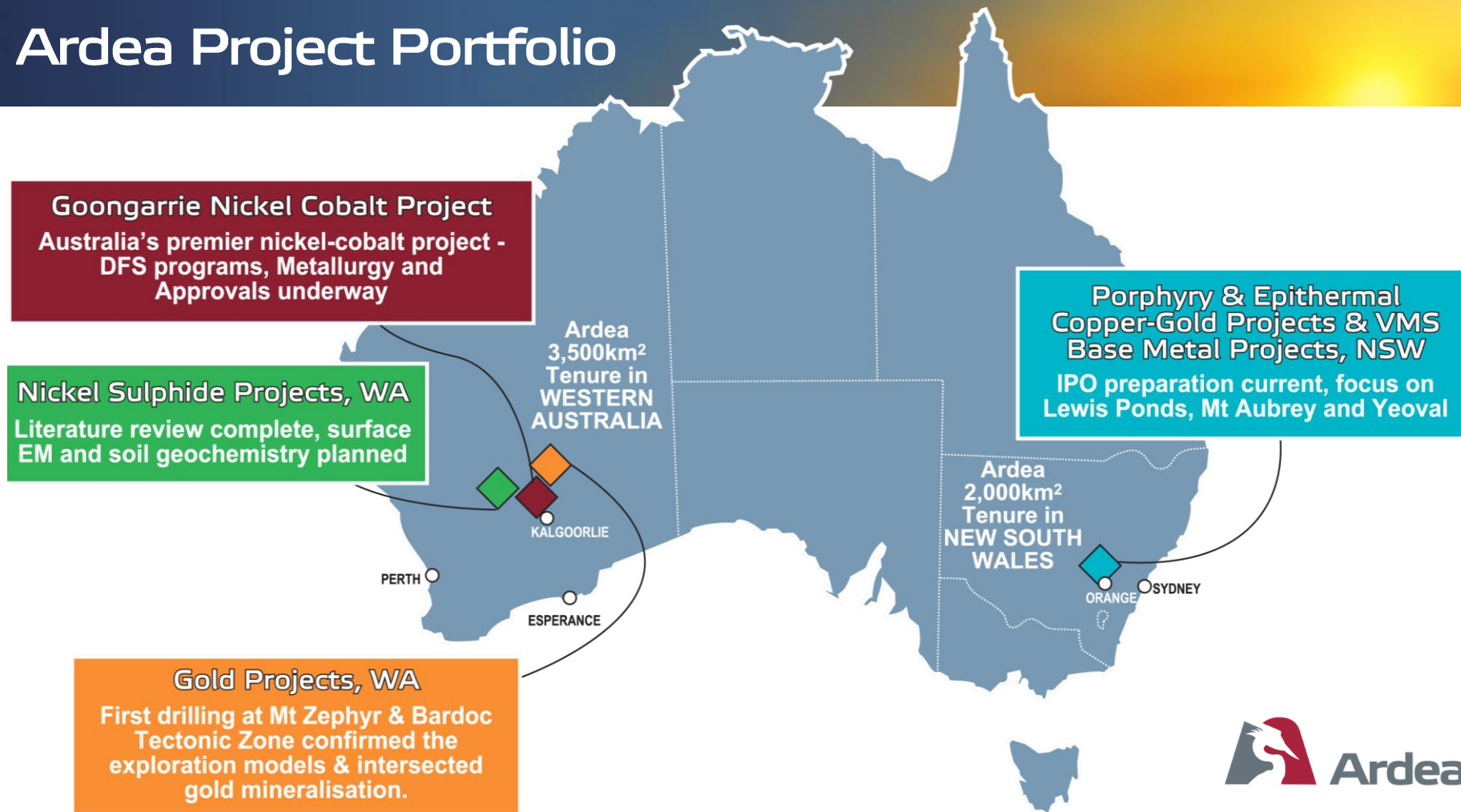


Share Price Performance



Share price performance and volume since listing (9 February 2017)

Ardea Project Portfolio



1

DEVELOPING

the Goongarrie Nickel Cobalt Project

Ardea's flagship is Australia's
premier Nickel Cobalt Project

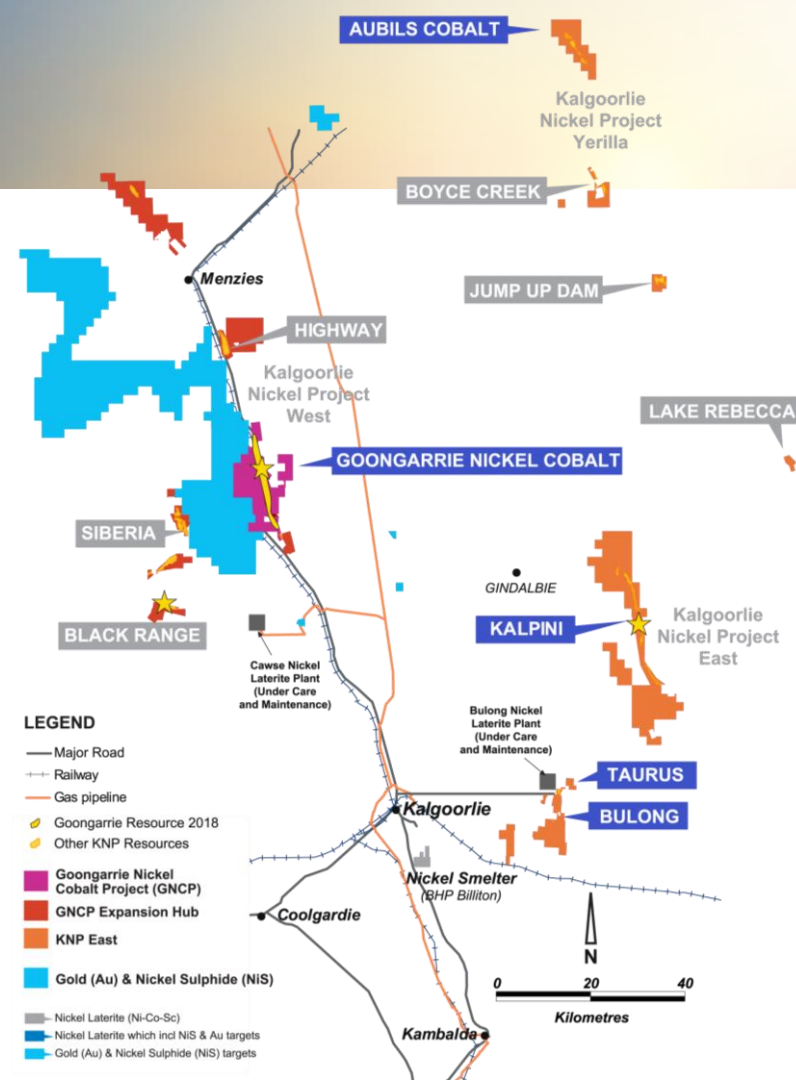


Looking towards the plant site at Goongarrie adjacent to the Goldfields Highway, looking NE

The Kalgoorlie Nickel Project

- The **Goongarrie Nickel Cobalt Project (GNCP)** is part of the broader **Kalgoorlie Nickel Project (KNP)**
- KNP has a **globally significant nickel and cobalt resource of 773Mt at 0.7% Ni and 0.05% Co***
 - 5.6 million tonnes contained **Nickel**
 - 405,000 tonnes contained **Cobalt**
- Potential for **multiple processing hubs** and **multi-decade mine life**
- Ethical, low environmental impact** (no valley fill or submarine tails disposal) and **long life** source of nickel-cobalt from a **stable, infrastructure rich jurisdiction**
- A **targeted plan** will be utilised to firm up resources at the following projects:
 - Siberia/Highway/Ghost Rocks
 - Black Range
 - Aubils/Boyce Creek
 - Kalpini
 - These projects provide potential feed options for the GNCP plant or an additional processing hub

* See appendix for resource breakdown



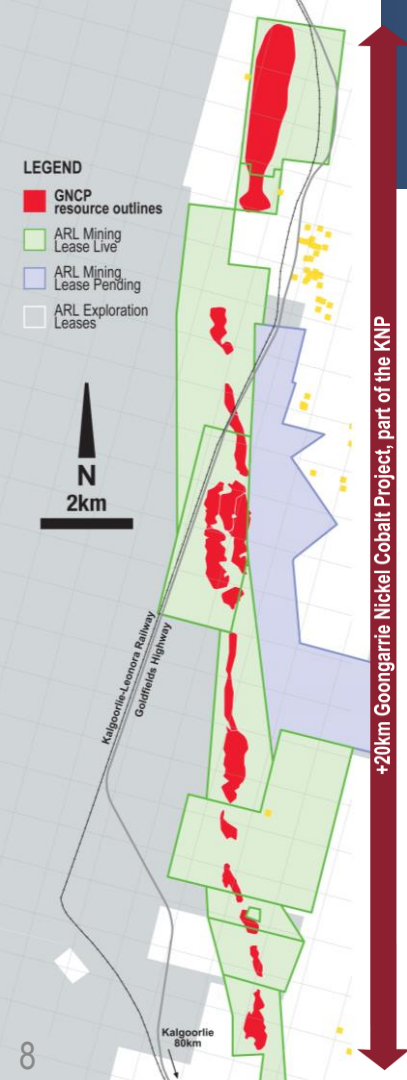
Goongarrie Nickel - Cobalt Project Highlights

The 100% owned GNCP is part of the largest Nickel Cobalt Resource in the developed world[^]

- Potential multi-decade producer of high-quality nickel and cobalt sulphate
- 100% nickel and cobalt offtake available
- 1.0Mtpa base case PFS – low CAPEX start-up with robust project economics*
- 2.25Mtpa expanded case – mill feed grades **0.88% Ni and 0.10% Co***
- Low technical risk project to provide nickel and cobalt for the growing battery (Electric Vehicle and Static Storage Battery) market
- DFS programs underway
- Strategic partner interest is high as concerns rise around **secure long-term supply of battery grade nickel and cobalt**

Refer to ASX releases: [^]Ardea Resources Annual Report 2017. *Goongarrie Nickel Cobalt Project, PFS study, 28 March 2018 & Goongarrie Expansion Study, 24 July 2018. All the material assumptions underpinning the forecast financial information derived from a production target, in the initial public report referred to in rule 5.17 continue to apply and have not materially changed.

Cobalt sulphate produced from Goongarrie ore



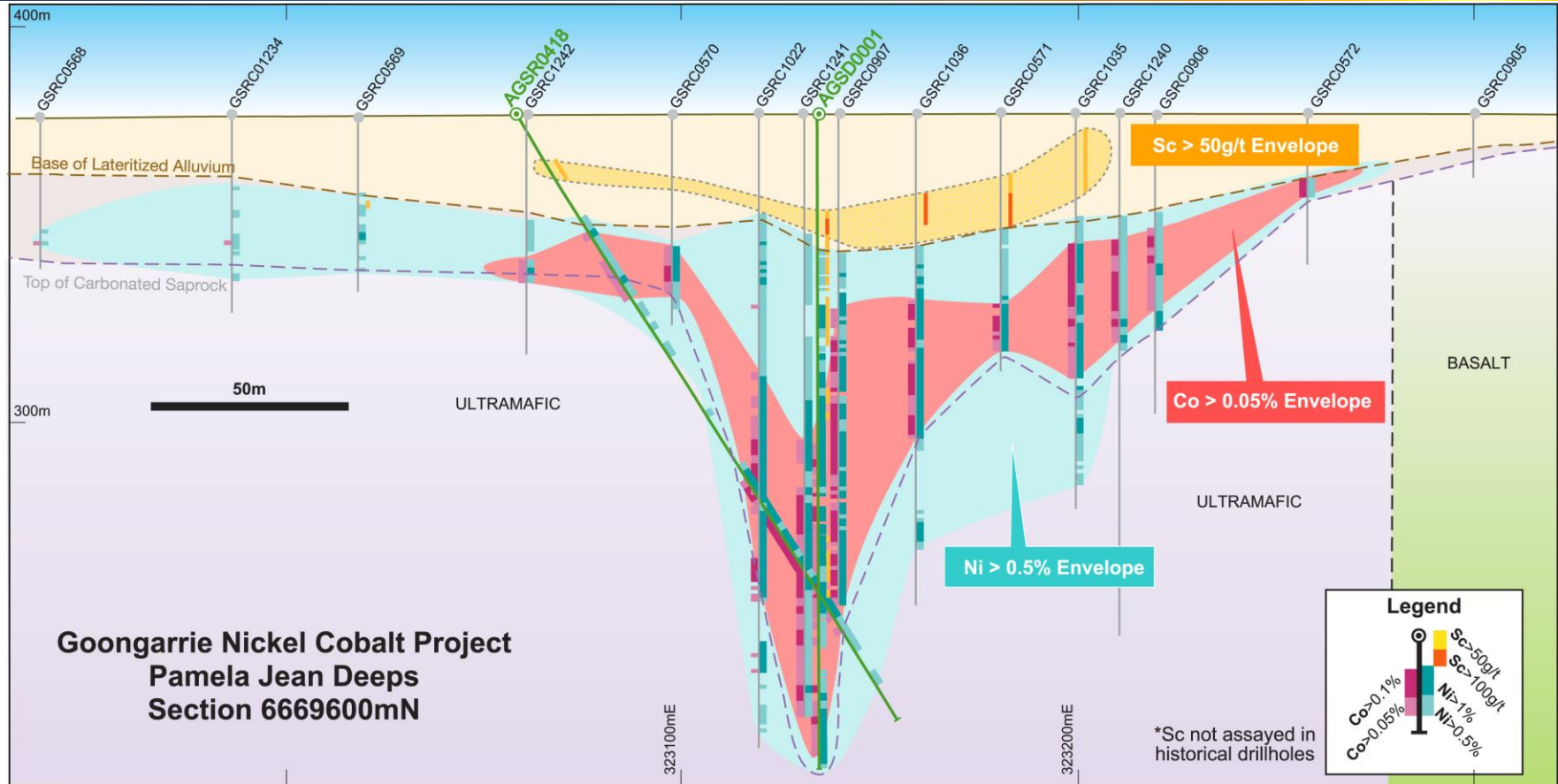
A High Quality Nickel and Cobalt Sulphate Project

Outstanding results delivered from PFS* and Expansion Studies completed in 2018:

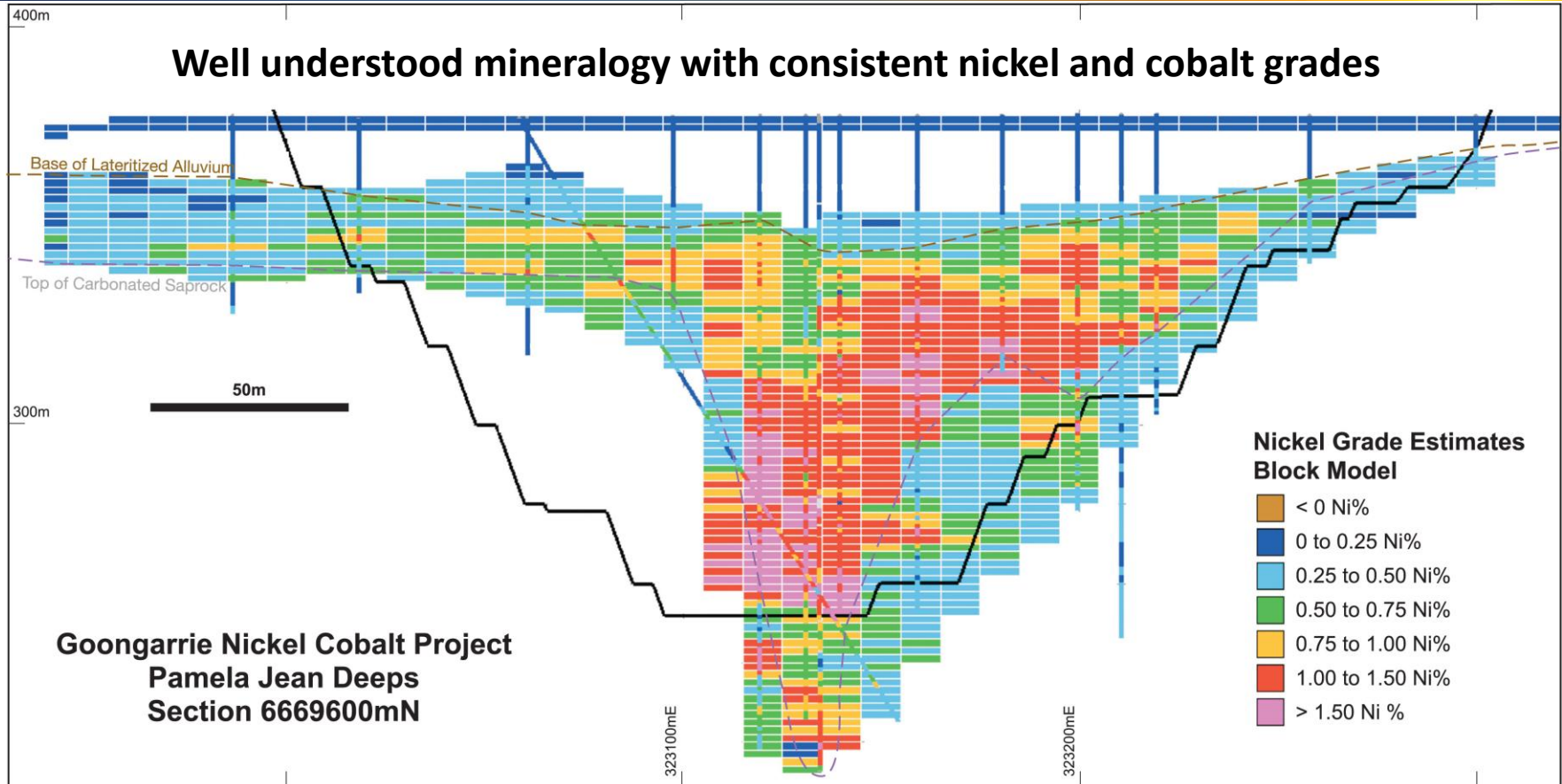
	1.0Mtpa	1.5Mtpa	2.25Mtpa
<i>Status</i>	PFS	PFS	ES
<i>No. Trains</i>	1	1	1
<i>Pre Tax NPV₈</i>	US\$ 1.13 billion	US\$ 1.52 billion	US\$ 2.4 billion
<i>Pre Tax IRR</i>	29 %	29 %	31%
<i>CAPEX</i>	US\$ 472 million	US\$ 588 million	US\$918 million
<i>C1 cash cost</i>	US\$ 0.42 / lb	US\$ 0.45 / lb	US\$ (0.34) / lb
<i>Payback</i>	5.3 years	5.6 years	5.1 years
<i>Cobalt sulphate</i>	5,500tpa	6,900tpa	10,000tpa
<i>Nickel sulphate</i>	41,500tpa	55,300tpa	81,000tpa

- ✓ PFS of 1Mtpa and 1.5Mtpa base case over a 25-year mine life completed
- ✓ Expansion study of 2.25Mtpa with a 25-year mine life completed
- ✓ 94.5% nickel and 95.5% cobalt recovery – life of mine
- ✓ Pre-cobalt credit C1 costs in line with current worldwide operators
- ✓ Pressure Acid Leach (PAL) 5th generation plant is a proven design, successfully operated in other laterite projects globally
- ✓ 2.25Mtpa case based on only 26% of Goongarrie Resource

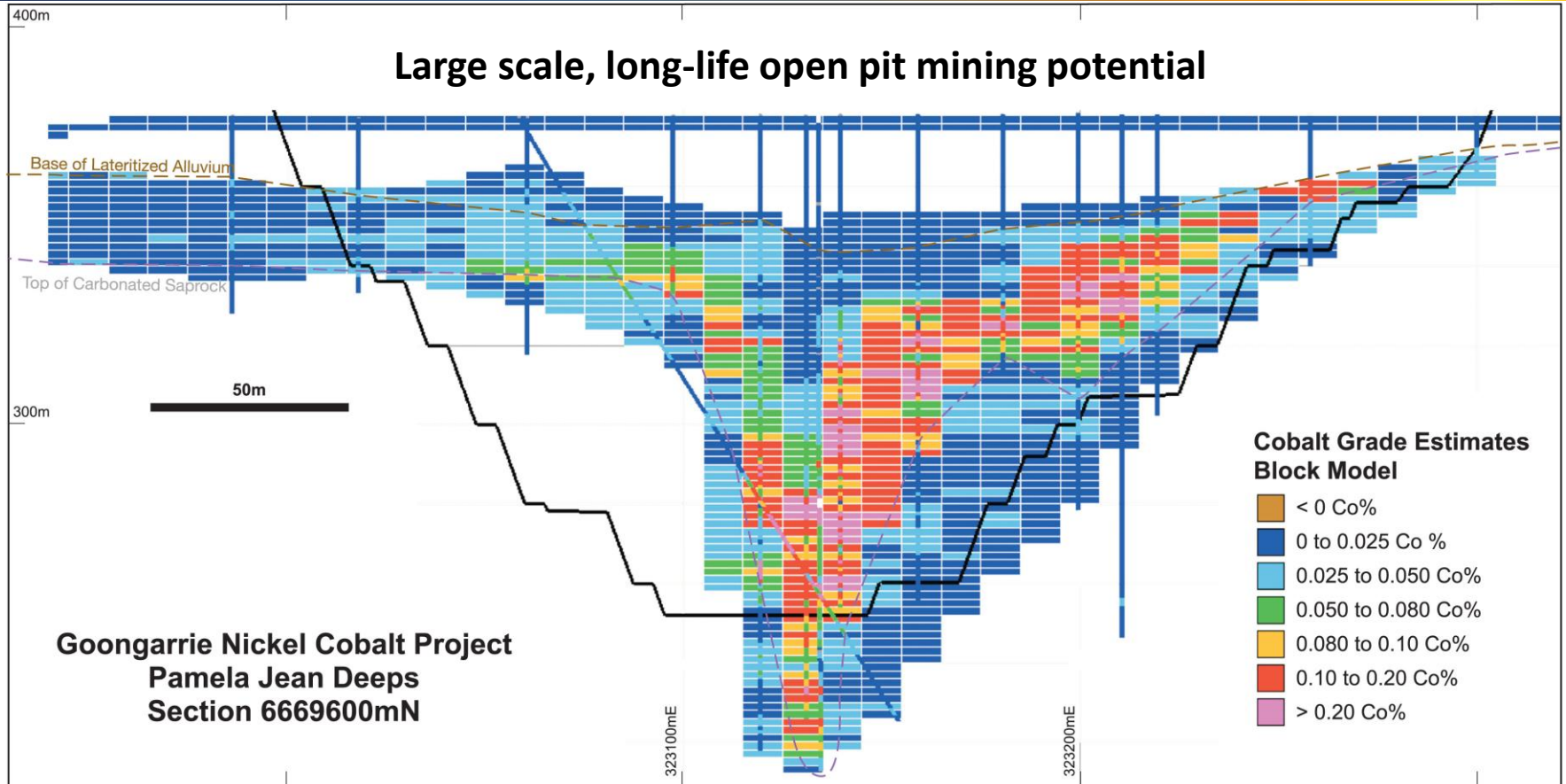
Thick, high-grade, single ore type, low strip ratio



Nickel Block Model – Cross Section 6669600mN



Cobalt Block Model – Cross Section 6669600mN



Developing Goongarrie into a Successful Long-Term PAL Operation



- The high quality of Goongarrie ore is key to the project's success:
 - uniform in composition
 - laterally continuous over kilometres
 - high levels of nickel, cobalt and scandium credit potential
 - overwhelmingly goethitic (unlike many other laterite deposits)
 - highly soluble in PAL acid, low acid consumption
 - no screen upgrade required
(commonly a stumbling block for non-goethitic deposits)
- Mineralised neutralizer recovered during mining provides a cost-effective alternative to importing limestone with no recoverable Ni and Co
- Environmentally friendly, water resources adjoin the orebody
- Comparable capital intensity with successful nickel operations
- A thorough and detailed understanding of ore types and processing operations from PFS work

Significant Progress since Ardea listed in 2017

Geology

- ✓ **Resource upgrade** at Goongarrie
- ✓ **Maiden reserve** announced for Goongarrie
- ✓ **50,561m of drilling** to date by Ardea since listing
- ✓ Comprehensive geomet studies completed and underway

Metallurgy

- ✓ **Variability** and **Rheology** test work to date favourable
- ✓ **Pilot Plant** successfully produced **nickel and cobalt sulphate crystals**
- ✓ Crystals meet **specifications** of several **battery industry off-takers**
- ✓ **Marketing samples** being evaluated by off-takers and battery end-users

Project Studies

- ✓ **Pre-Feasibility Study** completed for **1.0 and 1.5Mtpa** processing options
- ✓ **Expansion Case** (Scoping Study) completed for **2.25Mtpa** option
- ✓ Definitive Feasibility Study programs underway



*Nickel sulphate (l) and cobalt sulphate (r)
produced from Goongarrie.*



World-Class Mining Standards, Location & Infrastructure



View of Hannan St, Kalgoorlie, looking west, City of Kalgoorlie-Boulder

- Kalgoorlie, Western Australia offers **world-class infrastructure in an established mining district**
 - Over 125 years of mining in the region
 - Low sovereign risk
 - World-leading workplace practices enshrined in law
 - Goongarrie is 80 km north on the main Goldfields Highway
 - Railway lines, power lines cross Goongarrie tenements
 - Gas pipeline close by
- Western Australia's **safety, health and environmental standards are world's best practice**
- An **Australian source for battery metals** removes supply line concerns
- **Goongarrie offers an ethical, secure, long-life source of nickel and cobalt**

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EXPLORING

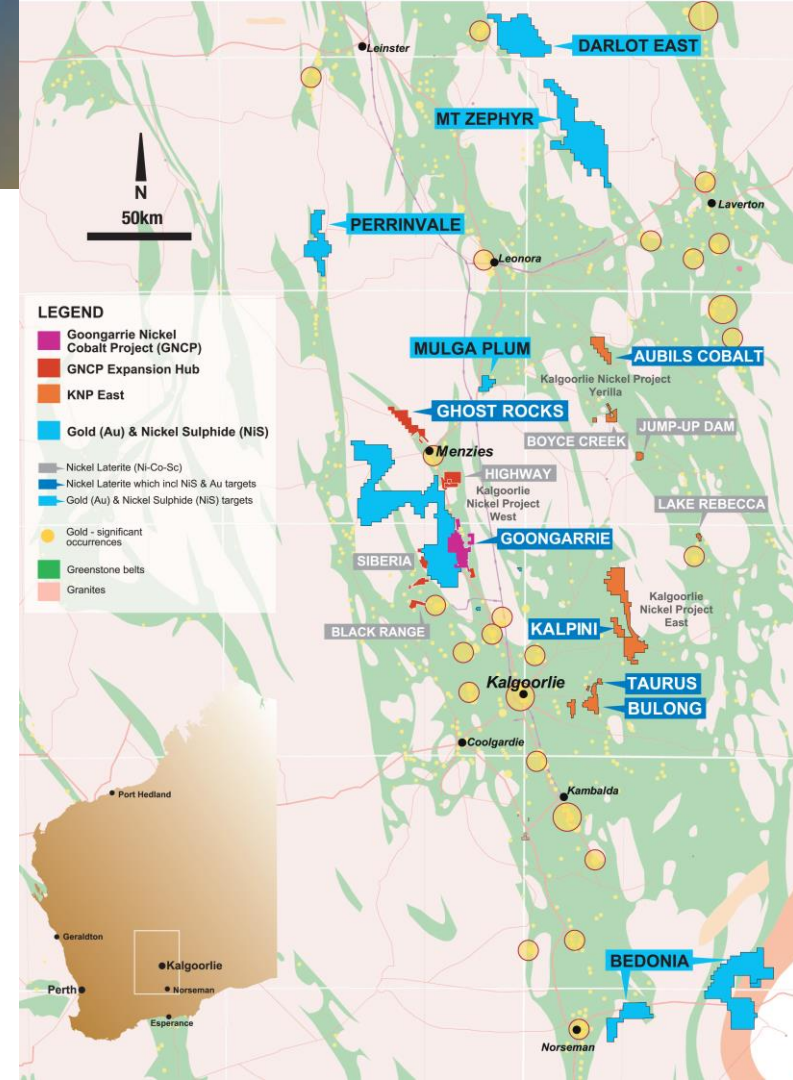
for Western Australian Gold and Nickel Sulphides

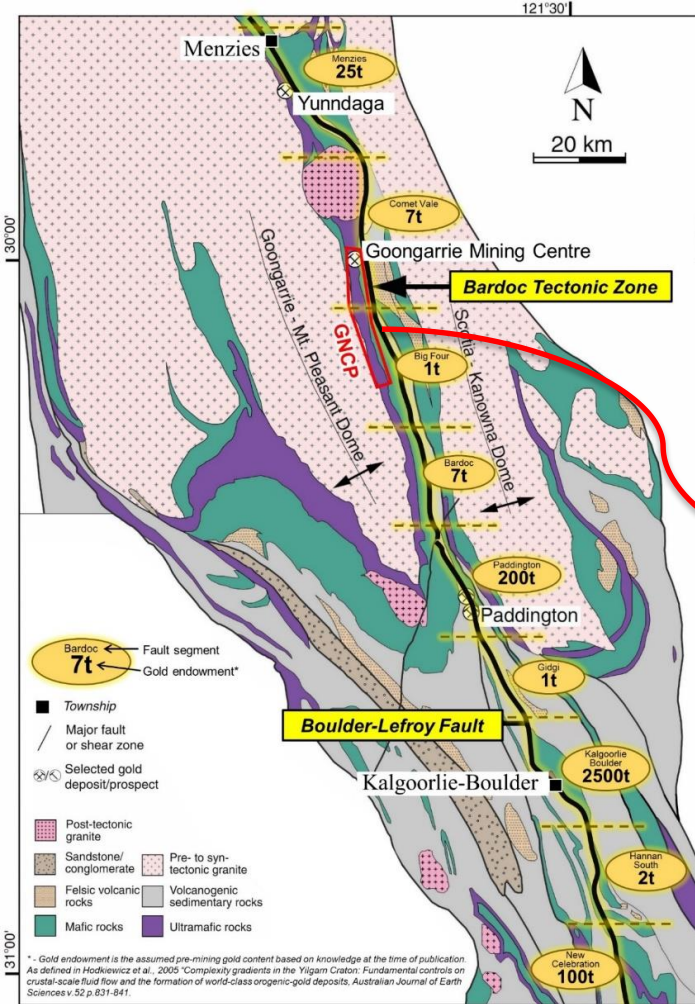
Exceptional greenfields opportunities in overlooked areas of the Eastern Goldfields



2019 Exploration Program

- ✓ 3,500km² of 100% controlled tenure in one of Australia's premier gold and nickel sulphide provinces
- ✓ Drilling recently completed at Bardoc Tectonic Zone (BTZ)
- ✓ Drilling confirms gold mineralisation at Gale and nickel sulphide gossan at Jones A, within the Mt Zephyr project
- ✓ Gold exploration programs active on Taurus, Bedonia, and Ghost Rocks (on the BTZ)
- ✓ Bedonia, Perrinvale, and Emu Lake nickel (-copper-PGE) sulphide projects being assessed
- ✓ Systematic assessment and ranking of all non-nickel cobalt laterite projects during 2019
- ✓ Extensive tenure position provides multiple strategic options





Bardoc Tectonic Zone (BTZ)

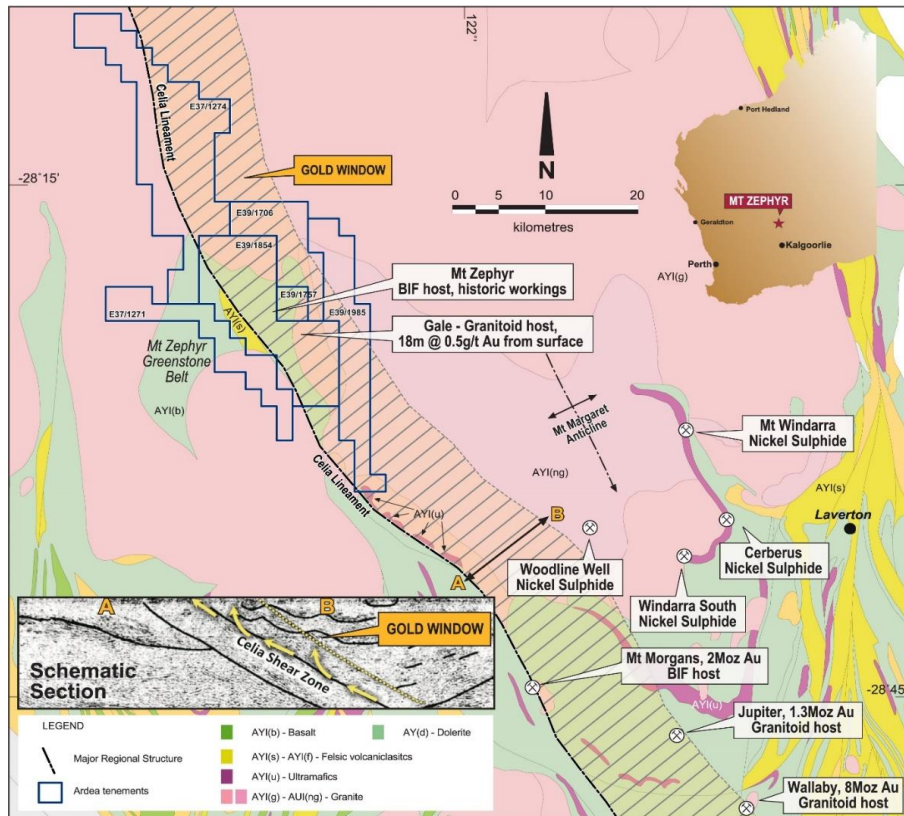
- ✓ One of the major gold-bearing structures of the Eastern Goldfields runs through the GNCP
- ✓ 80 km long gold-producing regional shear / fault system
- ✓ Hosts **Paddington** gold mine, **Goongarrie**, **Menzies**, and **Comet Vale** historic gold mining centres
- ✓ Contiguous with Boulder-Lefroy Fault, hosts **Kalgoorlie**, **St Ives** mining centres.

Laterite cover has obscured the BTZ's true potential at Goongarrie

- ✓ Program of exploration drilling tied in with GNCP site layout sterilisation drilling
- ✓ First phase sterilisation drilling completed, further work planned
- ✓ Holes to penetrate laterite to fresh rock to test for gold
- ✓ Structural gold targets being refined and to be tested



Mount Zephyr Drilling at Gale Prospect identifies large scale gold system



- ✓ First pass drill programs completed
- ✓ Gold at Gale, Dunn's North, Dunn's Line and Paul's Find
- ✓ Ni-Cu sulphides (+ gold) at Jones Area A
- ✓ First-pass, wide-spaced (160mx160m) drilling confirms granite hosted gold mineralisation, at Gale*

Intercepts include:

- AMZR0006: 96.00 m @ 0.28 g/t Au from 2 m
 - including 22.00 m @ 0.48 g/t Au from 10 m
- AMZR0002: 22.00 m @ 0.25 g/t Au from 6 m
 - including 4.00 m @ 0.79 g/t Au from 6 m
- Open in all directions with additional targets defined
- Near 100m intercepts are a rarity from a first pass exploration program and are interpreted as the outlying halo of a significant gold mineralising system
- Parallels with Dacian's Jupiter mine & Gold Field's Wallaby mine.

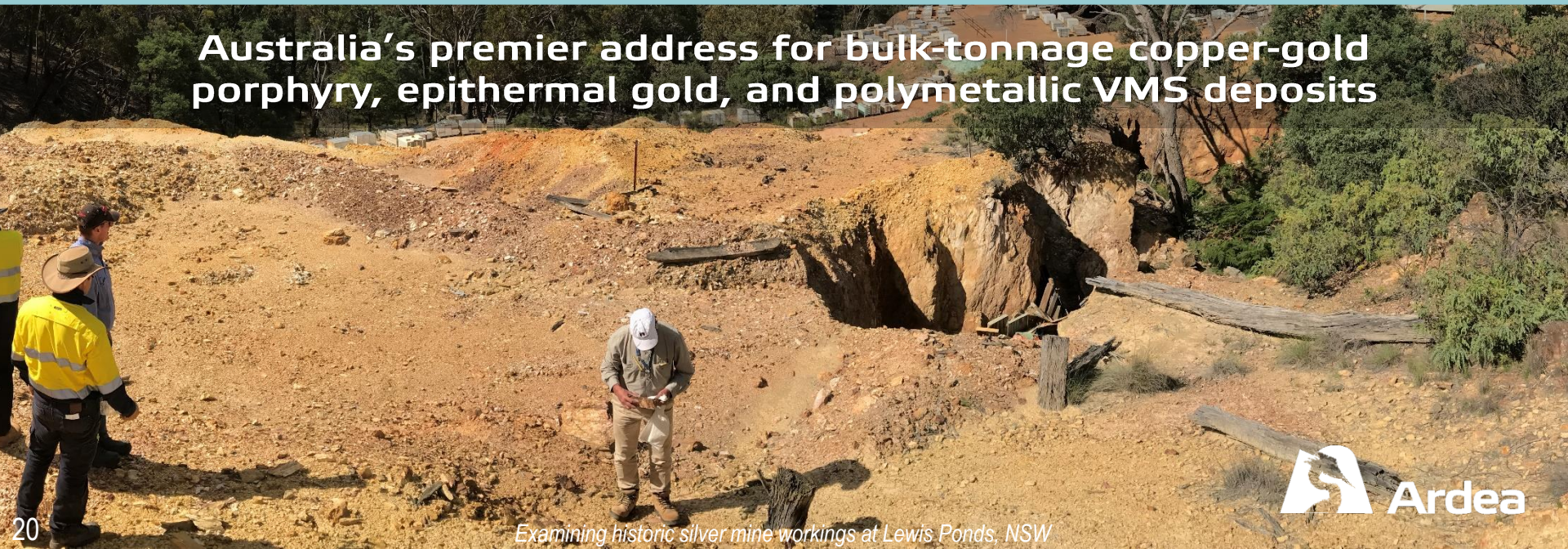


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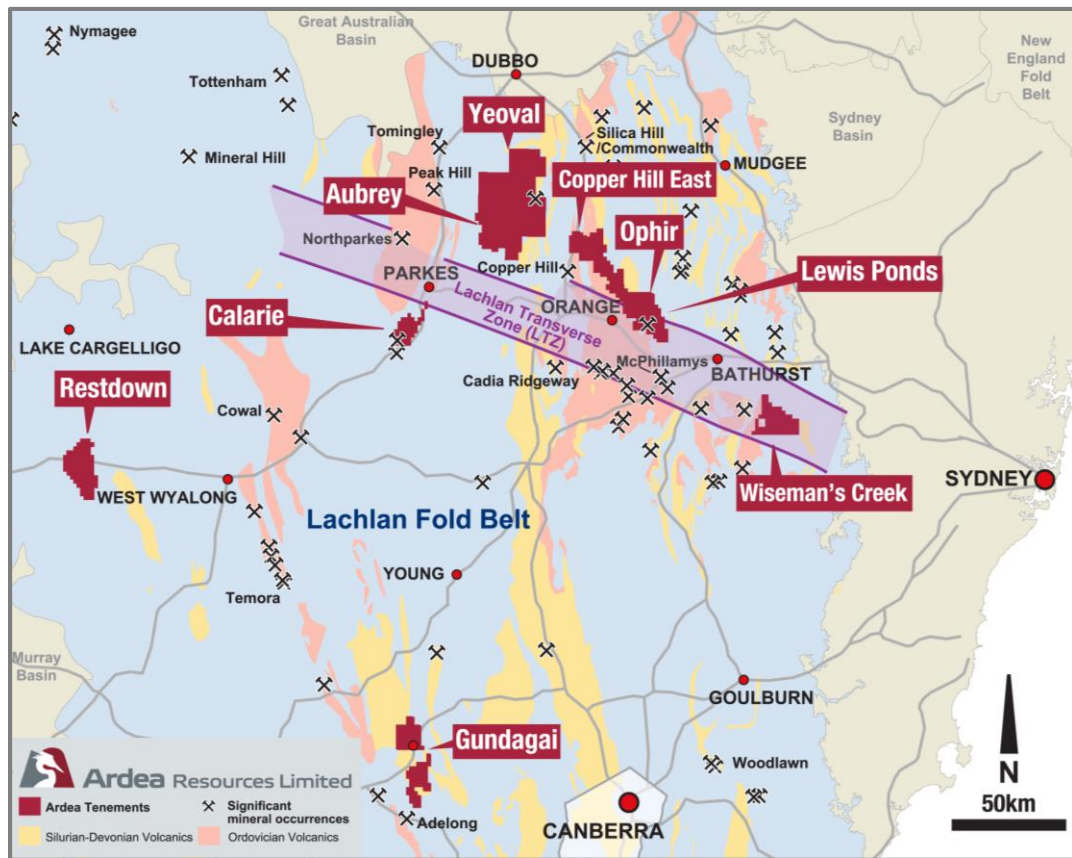
DIVESTING

our New South Wales Gold and Base Metal Projects

Australia's premier address for bulk-tonnage copper-gold porphyry, epithermal gold, and polymetallic VMS deposits



Spinning out the NSW assets

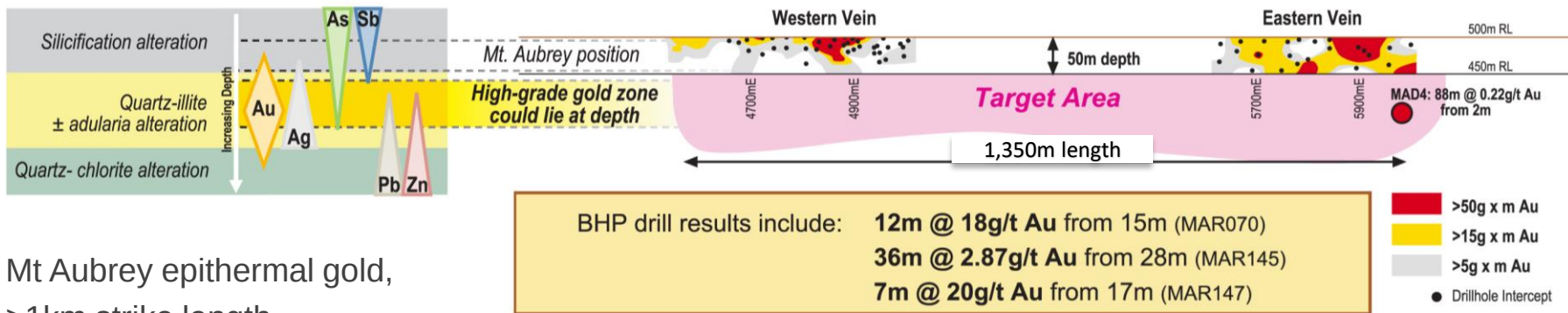


2,000km² of 100% ARL controlled, highly-prospective tenure within Lachlan Fold Belt, NSW

- Resource upgrade underway at **Lewis Ponds** (polymetallic Zn-Ag-Pb-Au-Cu VMS deposit)
- Data review underway for all projects
- First phase mapping and auger geochemical sampling undertaken with a focus on **Mt Aubrey**, (high-grade Au-Ag epithermal), **Yeoval & Copper Hill East** (porphyry systems) and **Gundagai** (orogenic gold).
- **Divestment timeline:**
 - prospectus expected to be issued in H2 2019
 - Aiming to list within the next 12 months
- Also considering project sale opportunities

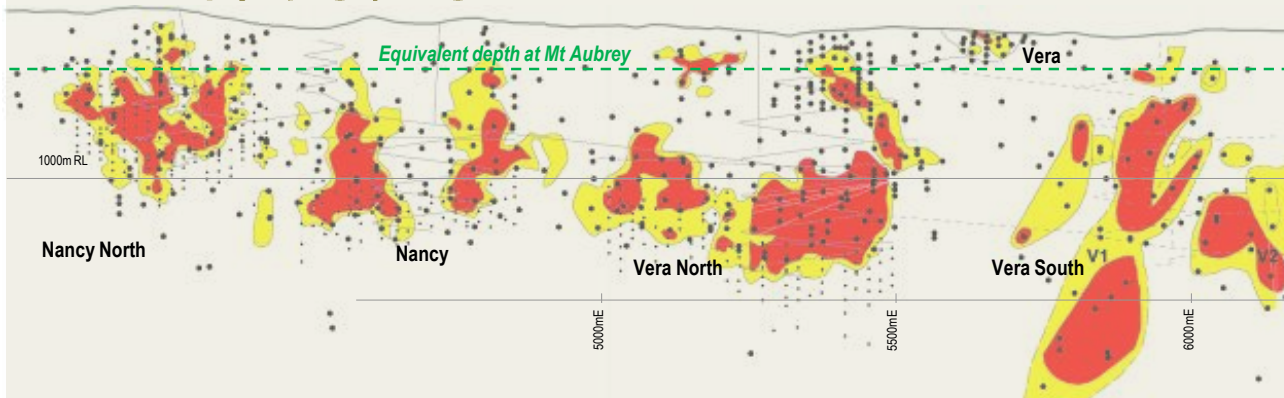
Mt Aubrey – former BHP epithermal gold mine

Mt Aubrey long section looking northeast



- Mt Aubrey epithermal gold, >1km strike length.
- Mined by BHP Gold in 1990-91
 - 3 backfilled open pits
 - +10g/t Au ore left in pit floor
- Comparable to upper levels of Vera-Nancy mine (Pajingo)

Vera-Nancy (Pajingo) long section – same scale



Lewis Ponds – Zinc, Gold, Silver

Extensive mining history from 1850s through to early 1900s

JORC Inferred Resource: 6.62Mt at 2.4% Zn, 1.4% Pb, 0.2% Cu,
1.5g/t Au and 69g/t Ag

Exploration Target[^]: 15–25 Mt at 2.2–3.7% ZnEq* or 1.2–2.0 g/t AuEq*

The potential quantity and grade is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.

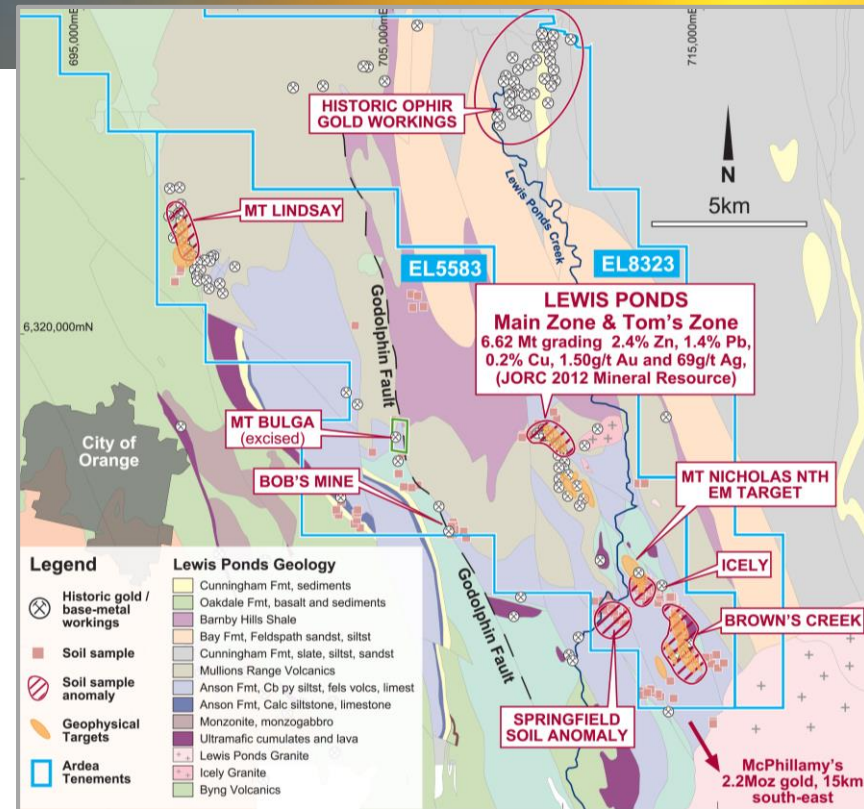
- Resource Upgrade underway
- Soil Au anomalies + McPhillamy-style Au targets – not yet tested
- **Premium exploration potential**, 50km strike Godolphin Fault from McPhillamys in south to Copper Hill East in north

Two concentrates produced from first-pass met test work:

- Clean zinc concentrate - over **66 % contained Zn**
- Cu-Pb-Ag-Au concentrate containing **1,619 g/t Ag, 17.6 g/t Au, 4.78 % Cu, and 30.3 % Pb**
- Excellent recovery of payable metals and fast flotation kinetics

[^]Exploration Target sourced from page 10 of Heron Resources ASX Release, Ardea Resources Limited Project Update, 6 January 2017. The Exploration Target in this report is based on information originally compiled and validated by Mr Ian Buchhorn in 2017 who is a member of the Australasian Institute of Mining and Metallurgy. Mr Buchhorn is a full time employee and shareholder of Ardea Resources Limited and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that 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'. Mr Buchhorn consents to the inclusion in this report of the matters based on his information in the form and context that it appears.

*21/12/2016 US\$ price, recovery: Zn (\$2617/t, 100%), Au (\$1133/oz, 90%), Ag (\$16.00, 80%), Pb (\$2259/t, 80%), Cu (\$5488.5/t, 80%). Zn equiv. = Zn(%) + 1.253Au(g/t) + 0.016Ag(g/t) + 0.665Pb(%) + 1.678Cu(%). Au equiv. = 0.575Zn(%) + Au(g/t) + 0.016Ag(g/t) + 0.478Pb(%) + 1.205Cu(%)





Ardea Resources Limited

Investment Summary

Battery minerals for the EV and Battery revolution
Gold and base metals in Australia's best locations



Ardea

Drill samples from Black Range west of the Goongarrie Nickel Cobalt Project. Black Range contains high nickel, and cobalt, and accessory scandium, platinum and palladium.

Investment Summary

- ✓ **Advanced Australian Nickel Cobalt project at Goongarrie**
 - **Globally significant mineral resource** in an **infrastructure rich** and **stable jurisdiction**
 - **Project Studies completed:**
 - **1Mtpa** and **1.5Mtpa** case studies offer significant economic opportunity*
 - Scoping Study completed on **2.25Mtpa** case shows excellent upside^
 - **DFS Programs underway**
 - **Leveraged to increasing nickel and cobalt demand from the rapidly growing EV and Static Storage Battery (SSB) markets**
- ✓ Ardea has an **extensive (3,500km²), highly prospective landholding in WA** with active work programs for gold and nickel sulphides
- ✓ **Strategic portfolio of NSW gold and base metal assets** with active work programs underway leading into IPO



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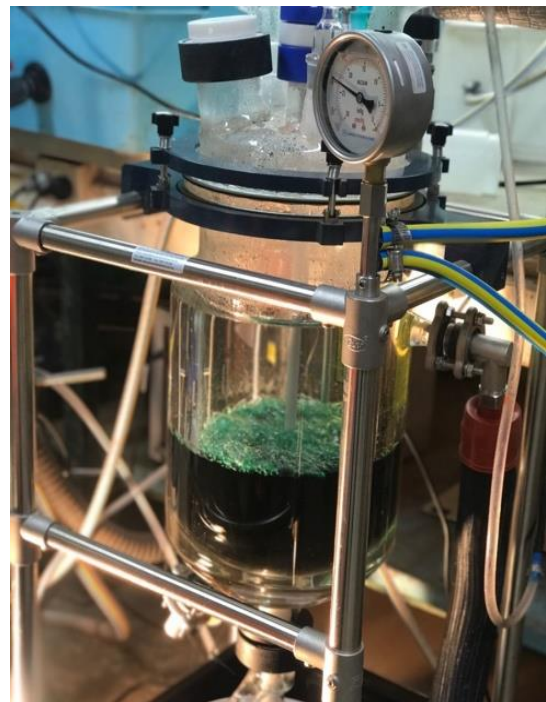
APPENDICES

For further information regarding Ardea, please visit www.ardearesources.com.au

Continued Growth and Development at Goongarrie

Current activities enhancing project and include:

- **Strategic Partner** process
- Goongarrie **Resource Upgrade**
- **High Grade Mine Schedule**
- On-site **Mineralised Neutraliser** study
- Extensive **Variability Program** underway to extend the geo-metallurgy database to reflect the ore LOM
- **Water** studies
- **Tailings** studies
- **Alternative Product** options
- **Environmental** studies

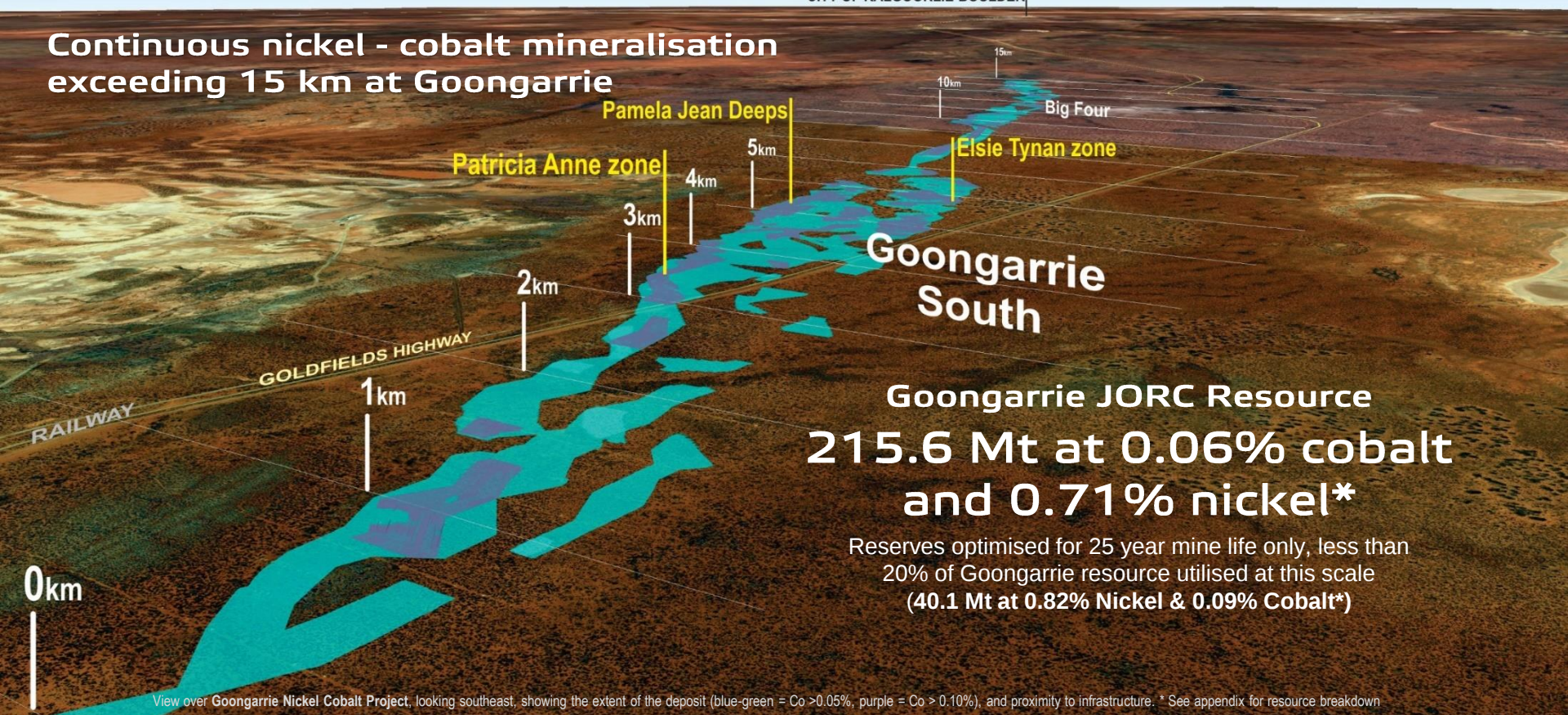


Nickel sulphate crystallisation in progress.

Our Flagship Goongarrie Nickel - Cobalt Project

Continuous nickel - cobalt mineralisation
exceeding 15 km at Goongarrie

CITY OF KALGOORLIE-BOULDER



Goongarrie JORC Resource
215.6 Mt at 0.06% cobalt
and 0.71% nickel*

Reserves optimised for 25 year mine life only, less than
20% of Goongarrie resource utilised at this scale
(40.1 Mt at 0.82% Nickel & 0.09% Cobalt*)

View over Goongarrie Nickel Cobalt Project, looking southeast, showing the extent of the deposit (blue-green = Co >0.05%, purple = Co > 0.10%), and proximity to infrastructure. * See appendix for resource breakdown

APPENDIX – Goongarrie Nickel Cobalt Project Resources

Summary of total mineral resources within the Goongarrie Nickel Cobalt Project area, comprising resources at Goongarrie Hill, Goongarrie South, Big Four, and Scotia Dam (14 March 2018).

Camp	Domains	Cut-off %	Resource category	Size (Mt)	Cobalt (%)	Nickel (%)	Contained metal	
							Co (t)	Ni (t)
Goongarrie Hill	Ni & Co	≥ 0.5% Ni or > 0.08% Co	Inferred	52.5	0.04	0.65	21,600	340,400
			Subtotal	52.5	0.04	0.65	21,600	340,400
Goongarrie South	Ni & Co	≥ 0.5%Ni or > 0.08% Co	Measured	10.3	0.10	0.98	10,200	101,200
			Indicated	56.2	0.07	0.72	37,200	407,000
			Inferred	32.2	0.06	0.69	20,300	221,200
			Subtotal	98.7	0.07	0.74	67,700	729,300
Big Four	Ni & Co	≥ 0.5%Ni or > 0.08% Co	Indicated	45.5	0.06	0.71	28,200	320,700
			Inferred	9.9	0.06	0.63	6,100	61,900
			Subtotal	55.4	0.06	0.69	34,300	382,700
Scotia Dam	Ni & Co	≥ 0.5% Ni or > 0.08% Co	Indicated	3.3	0.09	0.81	3,000	26,900
			Inferred	5.7	0.07	0.76	4,100	43,300
			Subtotal	9.0	0.08	0.78	7,100	70,200
Total	All	≥ 0.5% Ni or > 0.08% Co	Measured	10.3	0.10	0.98	10,200	101,200
			Indicated	105.0	0.07	0.72	68,400	754,600
			Inferred	100.3	0.05	0.67	52,100	666,900
Goongarrie Resource Global			TOTAL	215.6	0.06	0.71	130,700	1,522,700

Note: All nickel and cobalt domains are included, and are encapsulated by an envelope defined by nickel grades equal to or greater than 0.5%. Note that figures are rounded to reflect degree of certainty and may not tally.

APPENDIX – Reserves Defined for Goongarrie Nickel Cobalt Project

Goongarrie Nickel Cobalt Project, Ore Reserves based on 25 year mine life at 1.5 Mtpa.

Deposits	Class	Size (Mt)	Cobalt (%)	Nickel (%)
Goongarrie South	Proven	8.95	0.10%	0.96%
	Probable	17.26	0.09%	0.79%
	Total	26.22	0.10%	0.85%
Big Four	Proven	—	—	—
	Probable	13.92	0.09%	0.77%
	Total	13.92	0.09%	0.77%
TOTAL	Proven	8.95	0.10%	0.96%
	Probable	31.18	0.09%	0.78%
	Total	40.13	0.09%	0.82%

Using a nickel equivalent cut of >0.81 %, which used inputs of A\$18,900/t nickel and A\$120,750/t cobalt. (US\$15,120/t Ni and US\$96,600/t Co, 0.8 exchange rate). Nickel equivalent (Nieq %) = $Ni\ grade + \frac{Co\ grade \times Co\ price}{Ni\ price}$. Prices used are US\$15,120/t for nickel and US\$96,600/t for cobalt. No assumption about recovery is included here. Recoveries are addressed elsewhere throughout the mining schedule and financial model.

The information shown on this slide has been previously released on the ASX platform by Ardea in ASX release, Goongarrie Nickel Cobalt Project, PFS study, 28 March 2018. The information in this report that relates to Ore Reserves for the Goongarrie South and Big deposits of the Goongarrie Nickel Cobalt Project is based on information compiled by Mr Steve Lampron who is a Member of the Australasian Institute of Mining and Metallurgy and who has provided expert guidance on mine planning and Ore Reserve estimation. Mr Lampron is a director of Auralia Mining Consulting and has sufficient experience relevant to the style of mineralisation and type of deposit 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. Mr Lampron consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.



APPENDIX – KNP resource breakdown

KNP nickel-cobalt mineral resource (JORC 2012), Ardea Annual Report 2017

Resource Category	Quantity (Mt)	Cobalt (%)	Nickel (%)	Contained cobalt (t)	Contained nickel (t)
Measured	9.6	0.10	1.02	9,700	98,800
Indicated	232.9	0.06	0.75	141,200	1,759,700
Inferred	530.5	0.05	0.68	254,400	3,600,000
KNP Total Resources	773.0	0.05	0.70	405,400	5,458,400

In accordance with the Australian Securities Exchange Limited Listing Rules Appendix 5A:

The information in this report that relates to Mineral Resources for the Highway, Goongarrie Hill, Goongarrie South, Big Four, Aubils and Boyce Creek Prospects is based on information originally compiled in-house and validated by Steve Jones in 2013. Steve Jones is a member of the Australasian Institute of Mining and Metallurgy. Steve Jones is a full time employee of Heron Resources Limited and has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the resource estimation activity that 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'. Steve Jones consents to the inclusion in this report of the matters based on his information in the form and context that it appears. Note that Mineral Resources that are not Ore Reserves do not have demonstrated viability.

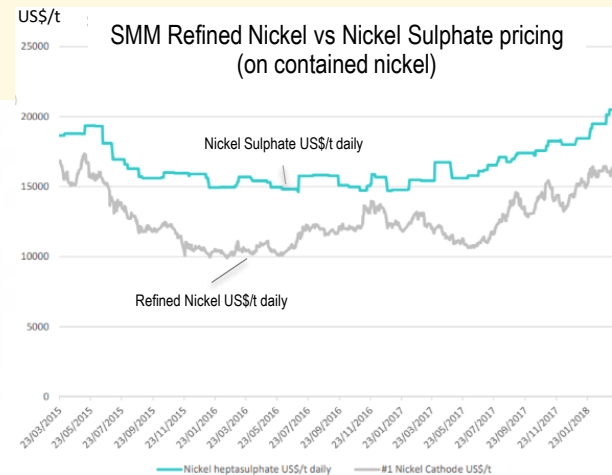
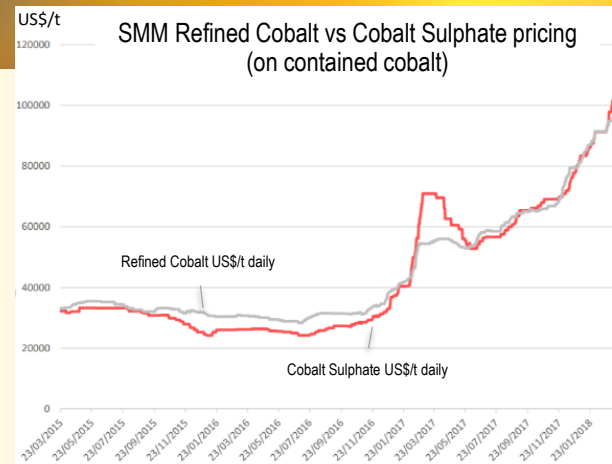
The information in this report that relates to Mineral Resources for the Siberia North, Bulong East, Siberia, Black Range, Taurus and Jump Up Dam Prospects is based on information compiled by Snowden Mining Industry Consultants by members of the Australian Institute of Mining and Metallurgy. Snowden Mining Industry Consultants had sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the resource estimation activity. All resources were internally audited by Snowden and signed off by a person of sufficient experience 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'. Steve Jones has validated the original resource estimates during 2013. Steve Jones consents to the inclusion in this report of the matters based on his information in the form and context that it appears. Note that Mineral Resources that are not Ore Reserves do not have demonstrated viability.

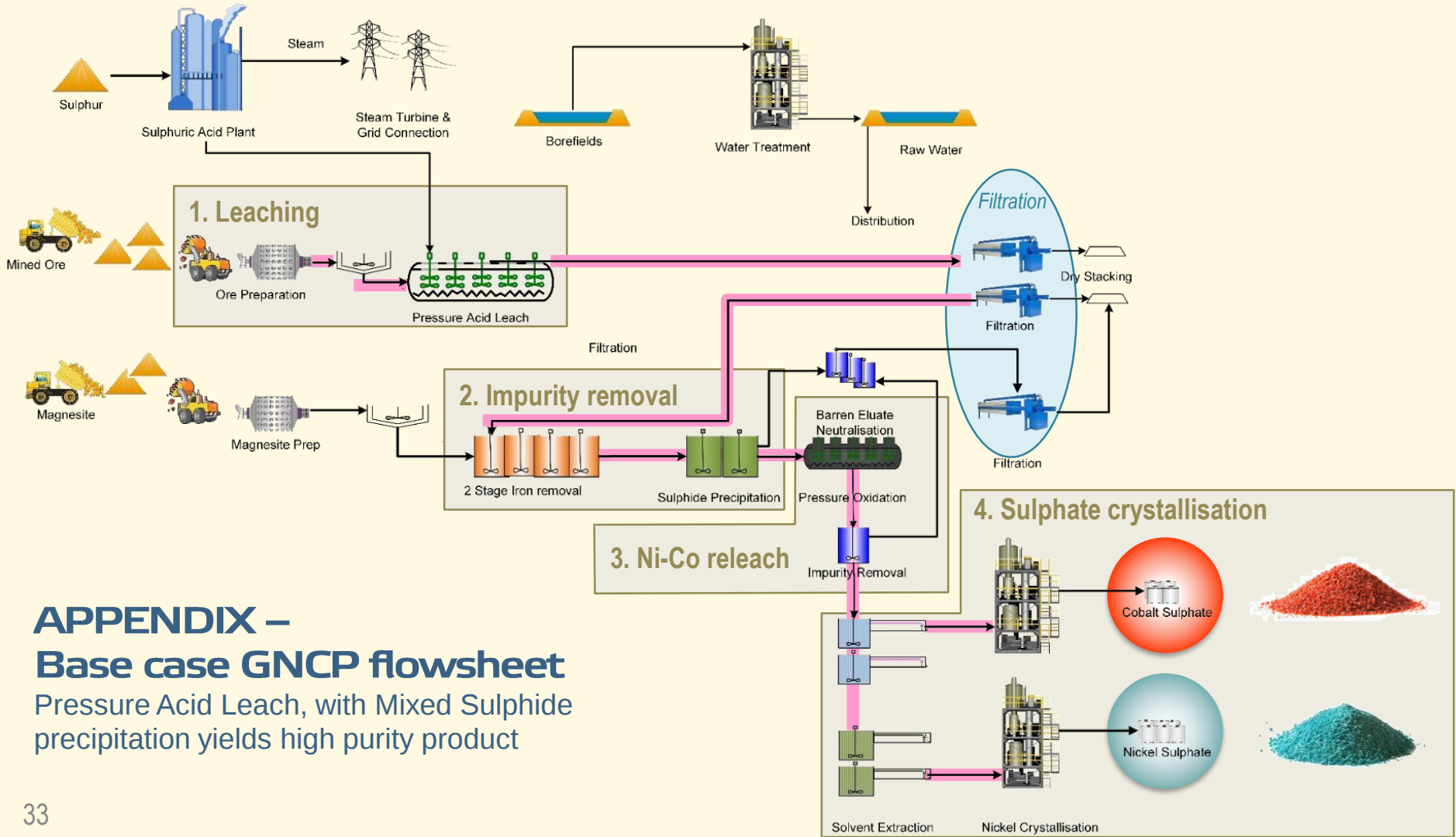
APPENDIX – The Sulphate Markets

- Strong growth in sulphate pricing is expected with rapidly increasing demand for high-purity product from manufacturers globally. Increased battery production is required to power the Automotive Electrification Revolution
- Cobalt sulphate and nickel sulphate attract a price premium (based on contained metal)
 - **Cobalt sulphate – 5% premium**
 - **Nickel sulphate – 30% premium**
- East Asia is the major consumer, manufacturing most of the world's lithium ion batteries – ongoing discussions with a number of interested parties from this region.
- Sulphate market is strong with spot prices increasing substantially since PFS release

		Price date	Units	CNY / t	USD / t	USD / lb
Cobalt sulphate (contains 20.97% cobalt)	PFS	Feb 2018 (avg)	Sulphate	¥121,600	\$19,241	\$8.73
			Contained metal equiv.		\$91,771	\$41.63
	Spot	4 Apr 2018	Sulphate	¥142,000	\$22,469	\$10.19
			Contained metal equiv.		\$107,167	\$48.61
Nickel sulphate (contains 22.33% nickel)	PFS	Feb 2018 (avg)	Sulphate	¥27,500	\$4,351	\$1.97
			Contained metal equiv.		\$19,486	\$8.84
	Spot	4 Apr 2018	Sulphate	¥28,500	\$4,510	\$2.05
			Contained metal equiv.		\$21,509	\$9.76

All pricing data sourced from SMM (Shanghai Metals Markets – metals.com)
CNY USD exchange rate USD:CNY \$1.00 equals ¥6.32





APPENDIX – Base case GNCP flowsheet

Pressure Acid Leach, with Mixed Sulphide precipitation yields high purity product

Exceptional Size and Scale

Investment criteria	Ardea Resources (KNP)
Company resources	Over 700 million tonnes of cobalt and nickel resources, WA <i>Numerous deposits within 100km radius, including Goongarrie, Black Range, Kalpini, Yerilla, Boyce Creek, Aubils, Siberia, Highway, Ghost Rocks</i>
Metal contained in resources	>5,458,000 t nickel >405,000 t cobalt
Market capitalisation	A\$46.2 million
Market cap per nickel tonne (in resources)	~A\$8.5 / t nickel
Market cap per cobalt tonne (in resources)	~A\$ 114.1/ t cobalt

Contained cobalt metal in resources



Contained nickel metal in resources



Source data:	Company	Project	Source	Date
	Ardea Resources (ARL)	KNP	Website	14/2/2019
	Australian Mines (AUZ)	Sconi	Announcement	14/2/2019
	CleanTeQ (CLQ)	Sunrise	Website (fact sheet)	14/2/2019

