

Annual General Meeting Presentation – 29th November 2018

www.ardearesources.com.au

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) and the Goongarrie Expansion Study (24 July 2018) 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.

Neither Ardea nor its representatives make any representation, warranty or guarantee of any kind, express or implied, as to the accuracy, completeness or reasonableness of the information contained herein or any other written or oral communication transmitted or made available to any person receiving this presentation. To the maximum extent permitted by law, Ardea and representatives expressly disclaim any and all liability based on or arising from, in whole or in part, such information, or any errors or omissions.

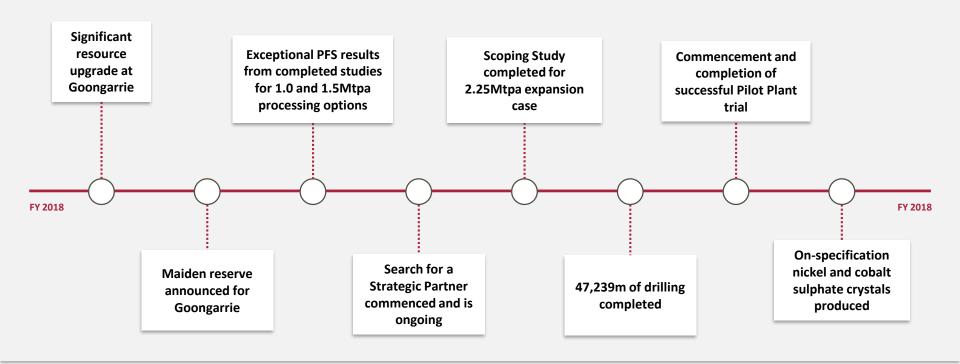
This presentation contains forward-looking statements regarding the Company's resources, intentions and future business. These statements reflect current information, expectations, intentions and strategies regarding the future, and are subject to certain risks and uncertainties. Should one or more of these risks or uncertainties materialise, or should any of 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 the Expansion Study, which are 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. Application for securities under the Company's public offer can only be made under the prospectus, a copy of which is available from the Company. Investors should consider the prospectus in deciding whether to acquire Ardea shares and will need to complete the application form that accompanies the prospectus.



2018 - A Year of Significant Progress





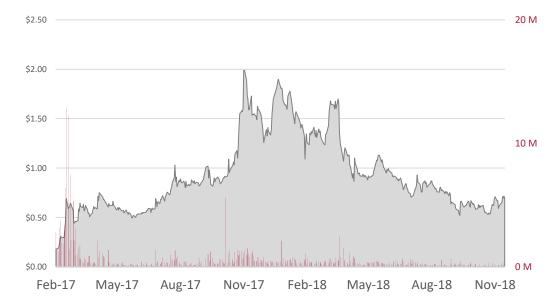
Corporate Snapshot

Capital Structure	
Shares on Issue	104,990,413
Share Price (28 Nov 2018)	\$0.675
52 week high / low	\$2.20 / \$0.52
Cash (30 Sept 2018)	\$15.8 million
Market Cap (28 Nov 2018)	\$70.9 million
Unlisted Stock \$0.25 options (IPO)	12.31 million
Staff performance rights	3.24 million

11.3%
8.6%
8.5%
7.9%
4.2%

Executive Chair
Executive Director
Non-Executive Director
Chief Financial Officer
GM Technical Services
GM Gold

Experienced management team with global experience in corporate fundraising, processing and engineering for laterite nickel-cobalt deposits, laterite geology and geometallurgy, ensures the right mix to make Goongarrie succeed





Ardea Project Portfolio

Nickel-Cobalt Laterites, WA

Goongarrie Nickel Cobalt Project

Other deposits also under assessment: Black Range, Kalpini, Yerilla, Boyce Creek, Aubils, Siberia, Highway, Ghost Rocks

WESTERN

AUSTRALIA

Nickel Sulphide Projects, WA

Includes Bedonia, Perrinvale magmatic nickel sulphide targets



Bulk Tonnage Gold Projects, WA

Mt Zephyr Greenstone Belt, high-grade anomalies along Celia Lineament, Bardoc Tectonic Zone, Taurus gold project

Porphyry & Epithermal Copper-Gold Projects, NSW

Lachlan Fold Belt, NSW is Australia's premier address for porphyry and epithermal copper-gold projects

Lewis Ponds Zinc-Silver-Gold, NSW

Historic silver-gold-base metal mine

High-grade resources

Bulk mining option

Sydney Sydney

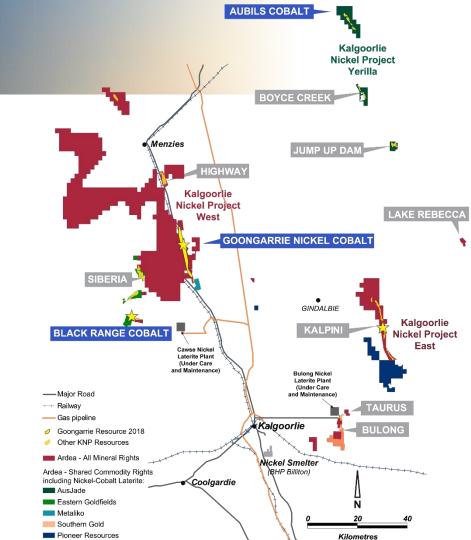
Bulk Tonnage Gold Projects, NSW

Includes Ophir, Australia's first goldfield



Goongarrie Ni Co Project

- ✓ The Goongarrie Nickel Cobalt Project is part of the broader Kalgoorlie Nickel Project (KNP)
- ✓ KNP has a globally significant nickel and cobalt resource*
 - 5.6 million tonne contained Nickel
 - √ 405,000 tonne contained Cobalt
- Potential for multiple processing hubs and multidecade mine life
- Proximity to world-class infrastructure and logistics - prime location on the Goldfields Highway
- ✓ Ethical, low environmental impact and long life source of nickel-cobalt from a stable jurisdiction
- ✓ Goongarrie Nickel Cobalt Project is highly advanced with PFS completed
- Successful pilot plant results underpinned by highquality nature of the Goongarrie ore



Developing Goongarrie into a Successful Long-Term HPAL Operation



- Ore type is uniform with goethite dominant, high levels of cobalt, scandium credit and low acid consumption
 - ✓ No screen upgrade required, which is a significant point of difference and caused problems for other WA laterite projects
- Onsite neutralizer recovered during laterite mining
- ✓ 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
- ✓ Access to a large amount of successful vendor information (20 years) to develop Goongarrie



Significant Progress in 2018

Building on the \$50 Million spent by Vale and Heron on 2005-2009 PFS

Geology

- ✓ Resource upgrade at Goongarrie
- ✓ Maiden reserve announced for Goongarrie
- √ 47,239m of drilling to date by Ardea since listing

Metallurgy

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

Project Studies

- ✓ Pre-Feasibility Study completed for 1.0 and 1.5Mtpa processing options
- ✓ Scoping Study completed for 2.25Mtpa expansion case option



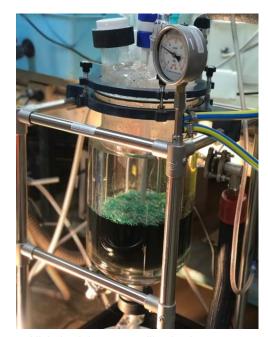
Nickel sulphate (I) and cobalt sulphate (r) produced from Goongarrie.

Continued Growth and Development at Goongarrie



Activities for the next six months

- Strategic Partner process
- Goongarrie Resource Upgrade
- High Grade Mine Schedule based on Resource Upgrade
- Mineralised Neutraliser study
- Extensive Variability Program planned to extend the geometallurgy database to reflect the ore LOM
- Water studies
- Tailings studies
- Alternative Product options
- EPA Lodgement and related environmental studies



Nickel sulphate crystallisation in progress.

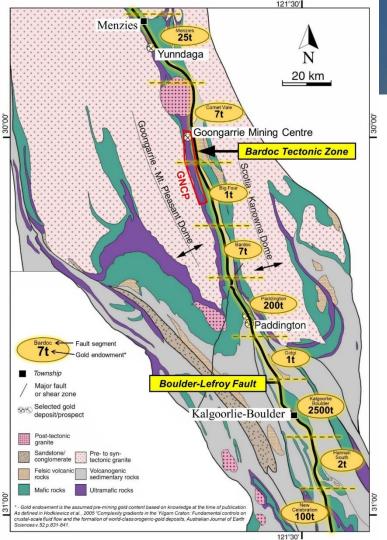


2019 Exploration Program



- ✓ Drill programs ready to go at Mount Zephyr
 - Gale (gold) and Dunn's North (gold) awaiting permitting, expected shortly
 - Jones Area A (gold & Ni-Cu sulphides) and Paul's Find (gold) permitted, awaiting sample assay results
- Gold targeting program at Bardoc Tectonic Zone (BTZ) at Goongarrie
 - New high-resolution geophysics datasets expected shortly
 - Preliminary data already highlighting gold targets
 - Drilling expected early 2019
- ✓ Ranked target assessment of all WA and NSW projects underway





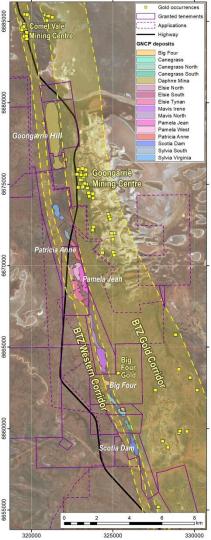
Bardoc Tectonic Zone (BTZ)

- ✓ One of the major structures of the Eastern Goldfields Province
- √ 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, host to Kalgoorlie, New Celebration, St Ives mining centres.
- 2005 academic studies define gold endowment (production + resources) along strike of the BTZ / Boulder-Lefroy fault system
 - Ardea tenure covers Comet Vale and Big Four segments
 - Low historic production in Ardea tenure, adjoining mines in outcrop
 - Almost no outcrop in Ardea tenure laterite and alluvial cover

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

Gold endowment along the Bardoc Tectonic Zone and the contiguous Boulder-Lefroy Fault, after Hodkiewicz et al. 2005.

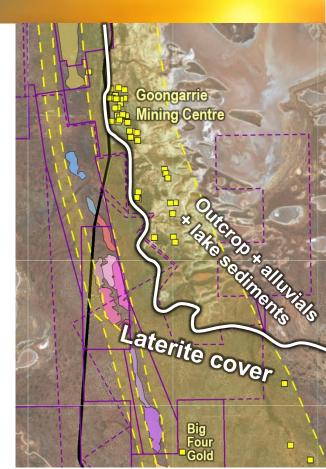




Gold under cover

- Historic gold mining in outcrops below breakaways near Lake Goongarrie.
- Magnetics show continuity of features throughout – no change under cover.
- ✓ No reason for gold mineralisation to stop under cover.
- ✓ Gold occurrences in laterite cover from GNCP drilling support this.

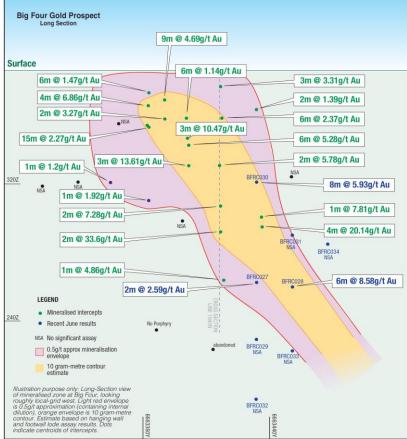
Laterite cover provides Ardea a golden opportunity at Goongarrie



The gold corridors of the BTZ at Goongarrie.

Big Four gold deposit – gold beneath the laterites

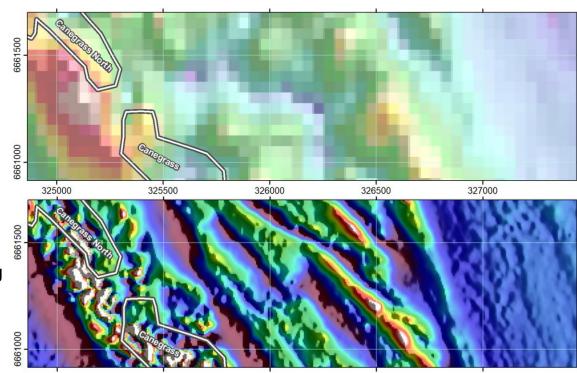
- ✓ Historic early 1900s mine in outcrop window through laterite.
- Gold hosted in fractures in a porphyry within ultramafic sequence.
- Currently small but good grades and depth continuity:
 - 3m @ 10.47 g/t Au
 - 6m @ 8.56 g/t Au
 - 4m @ 20.14 g/t Au
 - Open at depth
- ✓ Proof of concept for gold mineralisation under laterite cover.
- Explored on NW trend, new magnetics show N-S trend under laterite, undrilled
- ✓ Preliminary magnetics shows several "cookie-cutter" repetitions of the Big Four magnetic signature.



Long section of the Big Four gold deposit, around 800 m east of the nearest nickel-cobalt laterite mineralisation at Big Four (Heron Resources, June 2012).

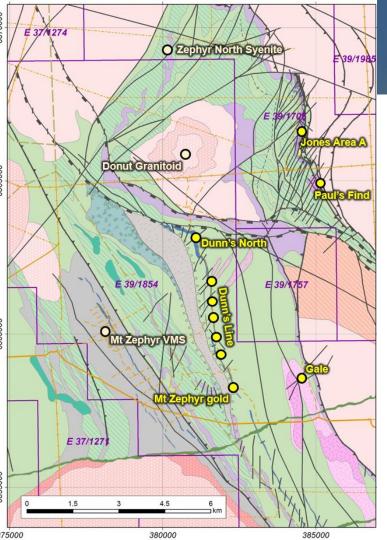
Geophysics and drilling on the BTZ

- ✓ Laterite cover means surface sampling is ineffective
- ✓ Get smart
 - High-resolution geophysics
 - Target definition
 - Drilling mandatory
- ✓ New 25m line spacing aeromagnetic dataset due shortly
- ✓ Preliminary imagery already showing structural gold targets...



Comparison of the new preliminary high-resolution aeromagnetic imagery (top) with the previous best dataset over a small portion of the southern part of the GNCP.





Mt Zephyr greenstone belt

- ✓ Prime exploration opportunity for Ardea, virtually no systematic gold exploration since 1990s.
- Belt-wide assessment
 - New regional geology defined, basis for targeting.
 - Open file data collation completed.
 - Parallels drawn between Mount Windarra area, Yamarna region, Kalgoorlie area, are highlighting new targets.
- Multiple gold and base metal targets in the process of being defined, ranked, assessed.
- ✓ Initial field sampling confirming the models

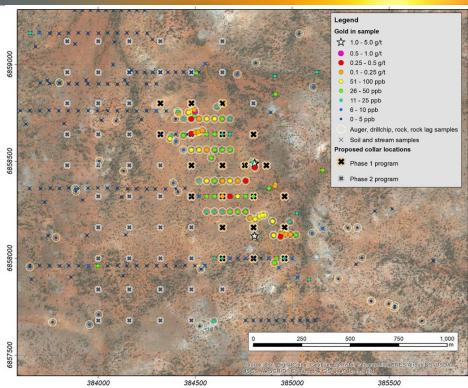
Ardea's active programs (bright yellow) in the Mount Zephyr project area, superimposed on the new proprietary regional geology.



Gale gold drill program, Mt Zephyr

✓ Outcropping gold-mineralised granite:

- Exceptional 900 x 300 m outcrop-limited anomaly at gold over 0.1 g/t (up to 1.49 g/t at surface)
- · Sericite, pyrite, hematite alteration.
- Gold, arsenic, copper and barium anomalism.
- Parallels with Dacian's Jupiter mine
 & Gold Field's Wallaby mine.
- √ 2-phase RC drill program planned
 - Initial 21 hole program, generally 50 m deep holes, some to 100 m
 - Second phase contingent upon Phase 1 results
- ✓ Drill permitting expected shortly. Early 2019 drilling.

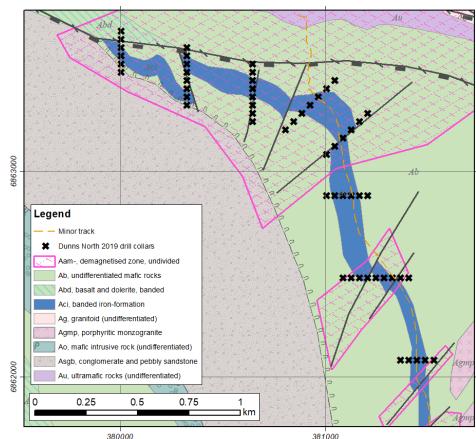






Dunn's North gold drill program, Mt Zephyr

- ✓ Soil-covered area, zero outcrop.
- ✓ Virgin target defined by Ardea.
- ✓ Intense demagnetisation over an area measuring
 ~3.2 km by 1.4 km:
 - Potentially very large hydrothermal system.
 - Gold mineralised? Let's find out.
- Drill permitting expected shortly, early 2019 drilling.
- Inexpensive aircore drilling is planned for first-pass testing
 - Subsequent RC programs if successful



A golden 2019

- ✓ Other Mt Zephyr drill programs ready to go
 - Jones Area A outcropping Ni-Cu gossans
 - Paul's Find porphyry is a possible gold source for extensive alluvial gold workings
- ✓ Systematic assessment and ranking of all non-nickel cobalt laterite projects during 2019
 - Taurus, Bedonia, Ghost Rocks (on BTZ) gold projects in WA to be assessed, likely to be drilled.
 - Bedonia, Perrinvale, and Emu Lake nickel(-copper-PGE) sulphide projects in WA to be assessed.
 - Black Bullock, Ophir, Mount Aubrey, Yeoval precious and base metal projects in NSW to be assessed.





Strong News Flow - Next 6 Months



Advancing the Goongarrie Nickel Cobalt Project

- Resource update including mineralised neutraliser and scandium
- Updated Mine Schedule
- Strategic Partner update
- EPA referral

WA Exploration

- Commencement of drilling at Mt Zephyr
- Drill results Mt Zephyr
- Commencement of drilling at BTZ
- Drill results BT7
- Complete sampling and commencement of drilling at Bedonia

NSW Spin Out

Updated Lewis Ponds Resource



Investment Summary



- ✓ Ardea continues to advance Goongarrie towards development
- ✓ Goongarrie is an advanced Nickel Cobalt Project with a very large resource in an attractive location
- ✓ Strategic Partner process is ongoing with pressure building on battery supply chains
- Targeted programs continuing at Goongarrie focused on value enhancement and development
- Ardea has a highly prospective landholding in WA with significant gold and nickel sulphide targets
- ✓ Exploration budget and focus increased for gold and nickel sulphides
- ✓ Drilling due to commence at Mt Zephyr in Q1 2019
- ✓ Spin out of NSW gold and base metal assets to occur in the next 12 months





Ardea Resources Limited ASX : ARL

www.ardearesources.com.au

Suite 2, 45 Ord St, West Perth WA 6005, AUSTRALIA +61 8 6244 5136

Email us at ardea@ardearesources.com.au

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	Size	Cobalt	Nickel	Contair	ed metal
		%	category	(Mt)	(%)	(%)	Co (t)	Ni (t)
Goongarrie Hill Ni	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	Ni & Co	& 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 Resour	ce 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	Cobalt	Nickel
		(Mt)	(%)	(%)
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.

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 validated the Snowden Mining Siberia North estimate in 2013. Note that Mineral Resources that are not Ore Reserves do not have demonstrated viability.



Goongarrie - A High Quality Cobalt and Nickel Sulphate Project

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

- ✓ 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
- √ 95.5% cobalt and 94.5% nickel recovery life of mine
- Pre-cobalt credit C1 costs in line with current worldwide operators
- ✓ PAL** 5th generation plant, proven design, successfully operated in other laterite projects globally

	1.0Mtpa	1.5Mtpa	2.25Mtpa
Status	PFS	PFS	ES
No. Trains	1	1	1
Pre Tax NPV ₈	US\$ 1.13 billion	US\$ 1.52 billion	US\$ 2.4 billion
Pre Tax IRR	29 %	29 %	31%
CAPEX	US\$ 472 million	US\$ 588 million	US\$918 million
C1 cash cost	US\$ 0.42 / lb	US\$ 0.45 / lb	US\$ (0.34) / lb
Payback	5.3 years	5.6 years	5.1 years
Cobalt sulphate	5,500tpa	6,900tpa	10,000tpa
Nickel sulphate	41,500tpa	55,300tpa	81,000tpa





^{*} Goongarrie Nickel Cobalt Project, PFS study, 28 March 2018, ** PAL = Pressure Acid Leach +Goongarrie Expansion Study, 24 July 2018