

ASX RELEASE
5 August 2019

ASX/TSX: CDV

CARDINAL INVESTOR PRESENTATION

Cardinal Resources Limited (ASX/TSX: CDV) is extremely pleased to announce that MD/CEO Archie Koimtsidis will be presenting on the podium at the Diggers and Dealers Mining Forum today at 2.25pm in Kalgoorlie, West Australia.

Presentation attached.

ABOUT CARDINAL

Cardinal Resources Limited (ASX/TSX: CDV) is a West African gold-focused exploration and development Company that holds interests in tenements within Ghana, West Africa and with offices in Ghana and Perth, Western Australia.

Cardinal ("the Company") is focused on the development of the Namdini Project, for which the Company has published a gold **Ore Reserve of 5.1Moz** (138.6 Mt @ 1.13 g/t Au; 0.5 g/t cut-off), inclusive of 0.4Moz Proved (7.4 Mt @ 1.31 g/t Au; 0.5 g/t cut-off) and 4.7Moz Probable (131.2 Mt @ 1.12 g/t Au; 0.5 g/t cut-off), and a soon to be completed Feasibility Study.

Exploration programmes are also underway at the Company's Bolgatanga (Northern Ghana) and Subranum (Southern Ghana) Projects.

Cardinal confirms that it is not aware of any new information or data that materially affects the information included in its announcement of the Ore Reserve of April 3, 2019. All material assumptions and technical parameters underpinning this estimate continue to apply and have not materially changed.

For further information contact:

Archie Koimtsidis
CEO / MD
Cardinal Resources Limited
P: +61 8 6558 0573

Alec Rowlands
IR / Corp Dev
Cardinal Resources Limited
P: +1 647 256 1922

Cannings Purple
Andrew Rowell or Peta Baldwin
E: arowell@canningspurple.com.au
E: pbaldwin@canningspurple.com.au

Competent / Qualified Person Statement

The scientific and technical information in this release that relates to Ore Reserves at the Namdini Gold Project has been reviewed and approved by Mr. Richard Bray, a Registered Professional Geologist with the Australian Institute of Geoscientists and Mr. Ekow Taylor, a Chartered Professional Geologist with the Australasian Institute of Mining and Metallurgy. Mr. Bray and Mr. Taylor have more than five years' experience relevant to the styles of mineralisation and type of deposits under consideration and to the activity which is being 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" and as a Qualified Person for the purposes of NI43-101. Mr. Bray and Mr. Taylor are full-time employees of Cardinal and hold equity securities in the Company.

ASX Listing Rule 5.23.2

This report contains information extracted from the following reports which are available for viewing on the Company's website www.cardinalresources.com.au :

- 03 April 2019 Cardinal's Namdini Ore Reserve Now 5.1 Moz

The Company confirms it is not aware of any new information or data that materially affects the information included in this report relating to exploration activities and all material assumptions and technical parameters underpinning the exploration activities in those market announcements continue to apply and have not been changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements. Cardinal is not aware of any new information or data that materially affects the information included in its announcement of the Ore Reserve of 3 April 2019. All material assumptions and technical parameters underpinning this estimate continue to apply and have not materially changed.



GHANA – WEST AFRICA

5.1 Moz

ORE RESERVE*

Developer



ASX - TSX: CDV

Investor Presentation | August 2019

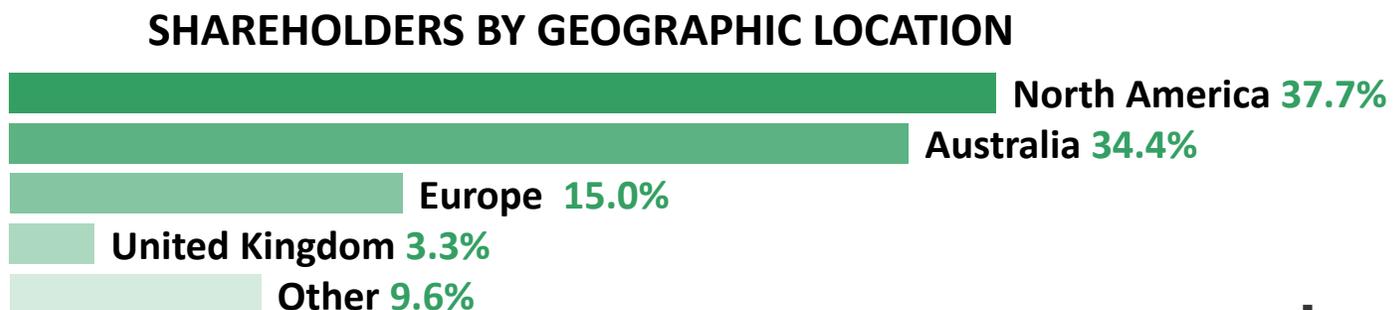
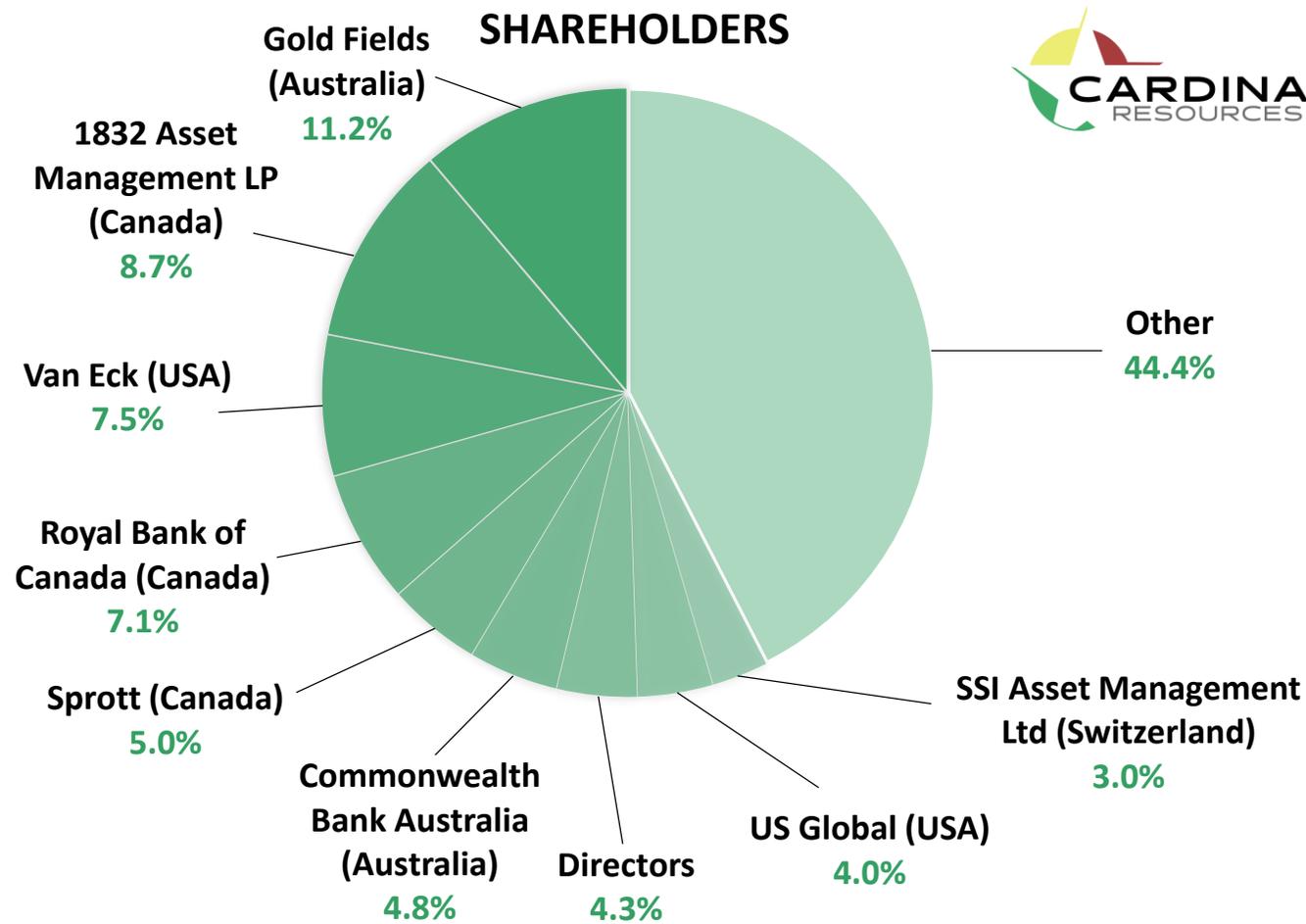
* 138.6 Mt @ 1.13 g/t Au; 0.5 g/t Au cut-off

Capital Structure	ASX TSX
Current Share Price ¹	A\$ 0.38
Shares on Issue ²	385 M
Listed Options on Issue ^{3,4}	109M
Market Capitalisation	A\$ 146 M
Cash at Bank ⁵	A\$ 19 M

1. As at 29 July 2019
2. 60 Class C Performance shares on issue. If converted, will total 6 million ordinary shares if certain milestones are achieved. Details of conversion milestones are provided in Cardinal's Annual Report
3. Exercise price of A\$ 0.15, Expiry date 30 Sept 2019
4. Additional 33,746,015 unlisted options on issue with various expiry dates and exercise prices
5. Cash as at 30 June 2019
Details of loan facility are provided in press release dated 23 Aug 2018.

Expert Coverage	
Average A\$ 1.08 per share	Ave
Argonaut (Australia)	↑
Beacon Securities (Canada)	
BMO Capital Markets (Canada)	
Clarus Securities (Canada)	
Cormark Securities (Canada)	
Macquarie Research (Canada)	
Hartleys (Australia)	
RFC Ambrian (United Kingdom)	

Argonaut	(Australia)
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BMO Capital Markets	(Canada)
Clarus Securities	(Canada)
Cormark Securities	(Canada)
Macquarie Research	(Canada)
Hartleys	(Australia)
RFC Ambrian	(United Kingdom)



BOARD & MANAGEMENT

Non - Executive Chairman

KEVIN TOMLINSON

Investment Banker & Geologist

Former

- Centamin plc Non – Exec Director
- Orbis Gold - Director
- Medusa Mining - Chairman

Current

- Samco Gold
 - Non - Exec Director
- Infinity Lithium
 - Chairman

CEO – Managing Director

ARCHIE KOIMTSIDIS

Project Developer

Former

- PMI Gold
(now Asanko Gold)
 - Deputy Country Manager
Ghana
- Ghanaian resident

Non - Executive Director

DR KENNETH G. THOMAS

Project Implementation

Former

- Barrick Gold Corporation
 - Senior Vice President
- Canadian Institute Mining (CIM)
 - Past President

Current

- Continental Gold
 - Non – Exec Director

Executive Director

MALIK EASAH

Government Liaison

Former

- PMI Gold
(now Asanko Gold)
 - PRO - Ghana
- Ghanaian citizen

Non - Executive Director

MICHELE MUSCILLO

Corporate Lawyer

Former

- Orbis Gold
(now SEMAFO)
 - Non - Exec Director

Current

- Aeris Resources
 - Non - Exec Director
- Xanadu Mines
 - Non - Exec Director

Project Manager

BRUCE LILFORD

Metallurgist

Former

- Senior Study Manager at
Amec Foster Wheeler
(now Wood Group)

Non - Executive Director

TREVOR SCHULTZ

Project Development, Construction
and Operations Engineer

Former

- Anglo Gold Ashanti – Ghana
 - Chief Operating Officer (COO)
- Centamin plc – Egypt
 - Executive Director

Current

- BHP
 - Executive Manager
- Rio Tinto – Zinc Corporation
 - Executive Manager

NEW FRONTIER: NORTHERN GHANA

- **Paleoproterozoic Granite-Greenstone Belt**
 - Underexplored compared to Southern Ghana
- **Well-Established Local Infrastructure**
 - **30km** – National HV hydro grid power
 - **7km** – Continuous water supply – White Volta River
 - **25km** – Sealed national highway
- **Excellent Community Relationships**
 - Facilitates rapid development objective
- **Open Savannah Grassland**
 - Low population density
- **Mining License Granted for 15 years renewable**



MAIDEN PROBABLE ORE RESERVE 4.76 Moz



PFS FINANCIALS

Study Consultants

- Golder Associates
- Lycopodium
- Knight Piesold
- ALS Laboratory
- Oreway Mineral Consultants
- IMO Metallurgical Consultants
- MPR Geological Consultants
- 9.5 Mtpa option selected on best economic return

KEY ECONOMIC RESULTS	UNIT	9.5 Mtpa
Gold Price	<i>Pit Design</i>	1,105
	<i>Financial Model</i>	1,250
Development Capital Cost <i>(including 15% contingency and owners costs)</i>	US\$ M	414
All in Sustaining Costs <i>(AISC)¹</i>	<i>Starter Pit</i>	599
	<i>Life of Mine</i>	769
Total Project Payback	years	1.8
Post-Tax NPV <i>(@ 5% discount)²</i>	US\$ M	586
Post-Tax IRR	%	38

Table Notes:

¹ Cash Costs + Royalties + Levies + Life Of Mine Sustaining Capital Costs (World Gold Council Standard)

² Royalties calculated at a flat rate of 5% - subject to negotiation and corporate tax rate of 35% was used subject to negotiation

PFS PRODUCTION SUMMARY

- Probable Ore Reserve 4.76 Moz
129.6Mt @ 1.14 g/t Au; 0.5 g/t cut off
- Starter Pit yielding ~900 koz gold
with 0.5 : 1 strip ratio
- Life of mine strip ratio of 1.4 : 1
- Mineralisation 1.1 km long and
350m wide
- >10,000 oz ounce per vertical metre
at 0.5 g/t cut-off
- New conventional gold plant
inclusive of conventional flotation
and regrind to CIL

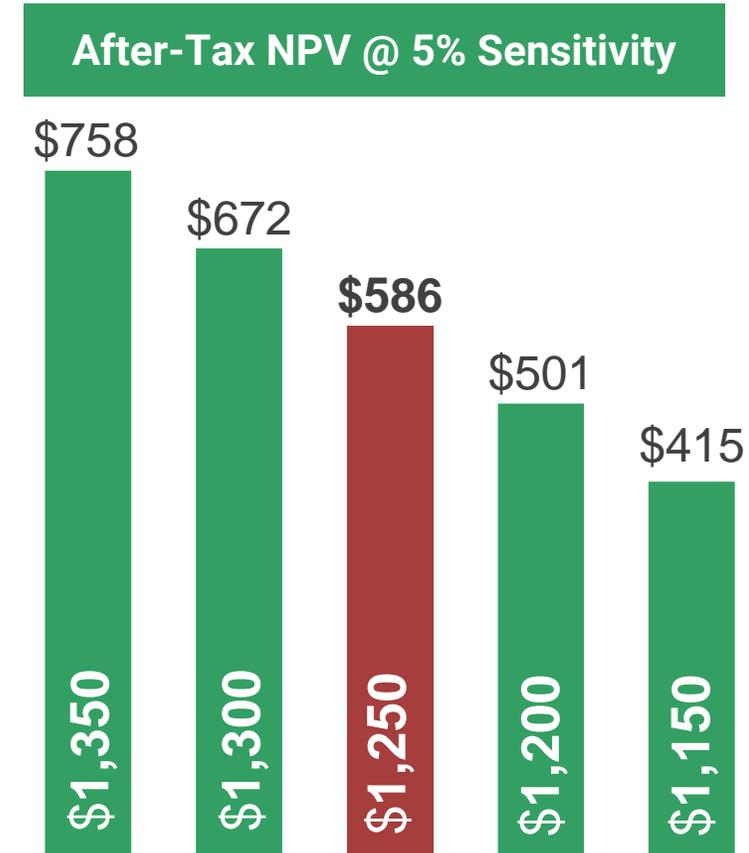
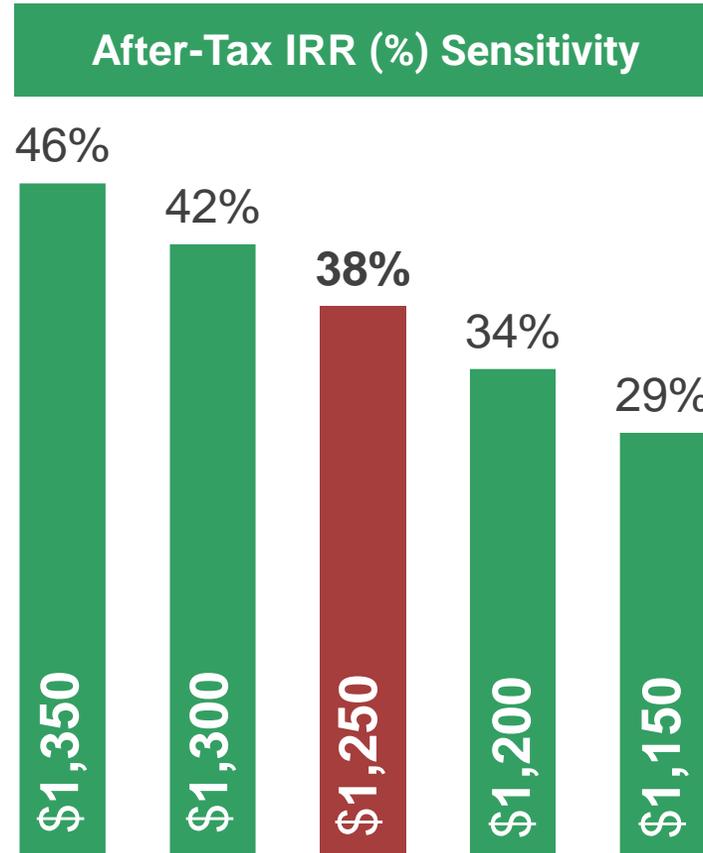
KEY ESTIMATED PRODUCTION RESULTS	UNIT	9.5 Mtpa	
		<i>Starter Pit</i>	<i>Life of Mine</i>
Gold Price – Financial Model	US\$ / oz	1,250	
Gold Produced <i>(Average for full production years)¹</i>	(oz / yr)	361,000	294,000
Gold Produced	(oz)	907,000	3,975,000
Gold Head Grade	g/t Au	1.31	1.14
Gold Recovery	%	86	84
Ore Mined <i>(0.5 g/t cut-off grade)</i>	Tonnes	24,000,000	129,600,000
Strip Ratio	W:O	0.5 : 1	1.4 : 1
Mine Life <i>(Inc ramp-up and mine closure)</i>	years	2.5	14
Development Capital Cost <i>(Including 15% contingency and owners costs)</i>	US\$ M	414	

Table Notes:

¹ Excludes ramp-up and for the Life of Mine scenario mine closure (Years where full production is not realised)

FINANCIAL SENSITIVITY

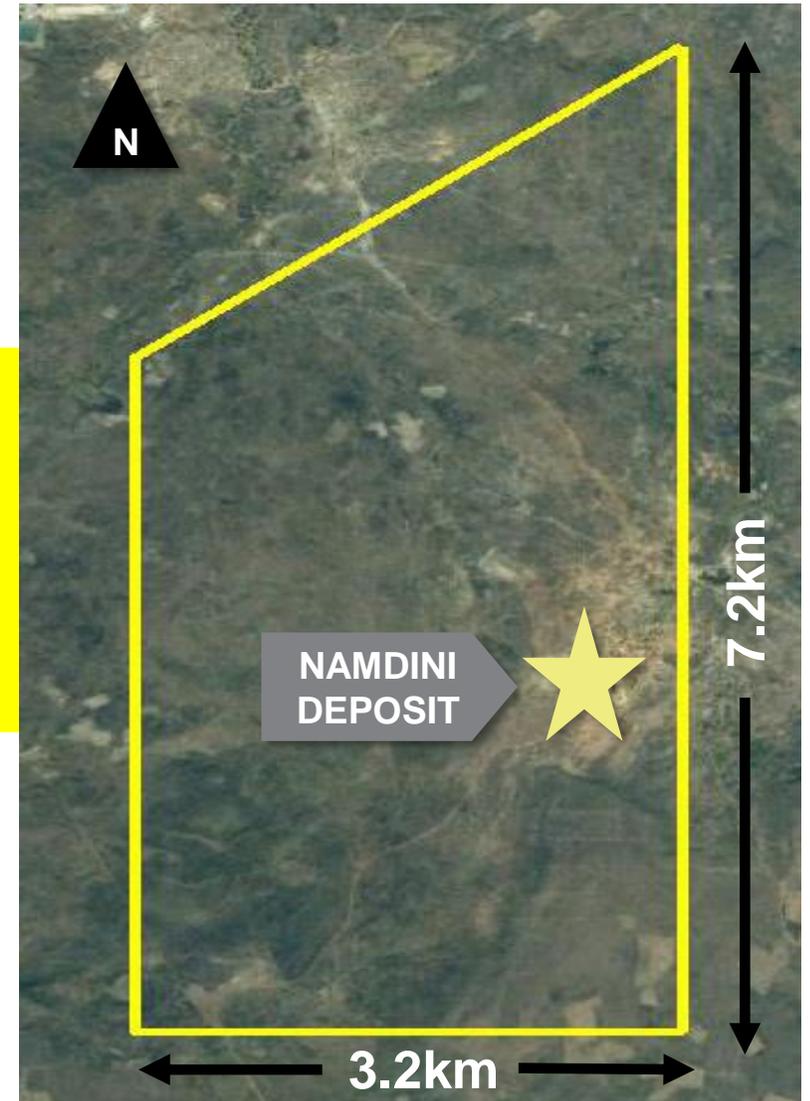
9.5 Mtpa





FLAGSHIP
NAMDINI
PROJECT

5.1 Moz*
ORE RESERVE



Namdini Mining Licence Boundary (yellow)

*138.6 Mt @ 1.13 g/t Au; 0.5 g/t Au cut-off

* Refers to Updated Reserve April 3, 2019

Long Section – Grade Distribution

PFS PIT DESIGNS US\$ 1,105 / oz

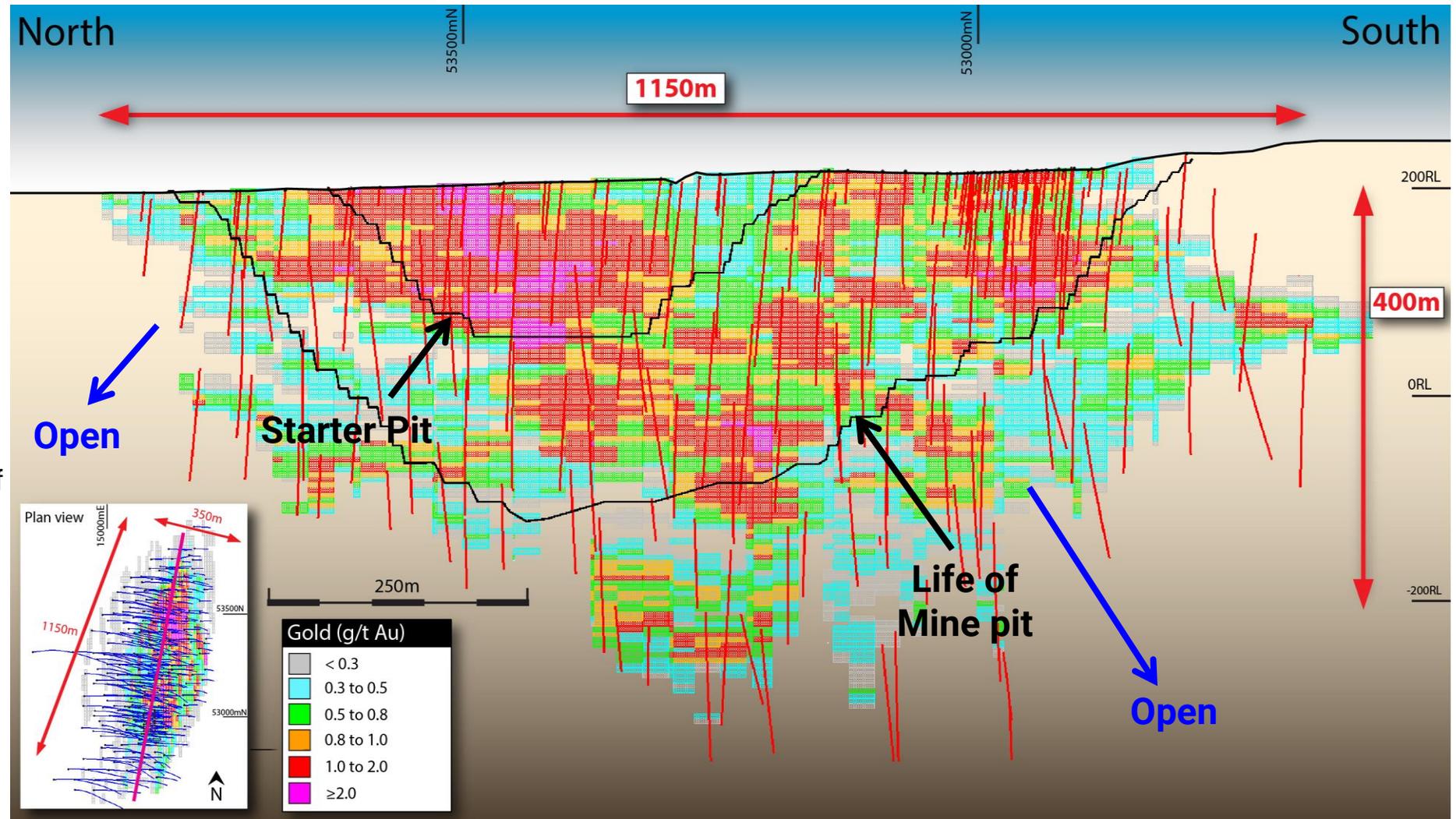
Starter Pit

- Low strip ratio (0.5 : 1)
- ¹Probable Ore Reserve 1.06 Moz
24Mt @ 1.31 g/t Au; 0.5 g/t cut-off
- Concentration of higher grade gold from surface
- Capex payback – 1.8 years

Life of Mine Pit

- Low strip ratio (1.4 : 1)
- ¹Probable Ore Reserve 4.76 Moz
129.6Mt @ 1.14 g/t Au; 0.5 g/t cut off

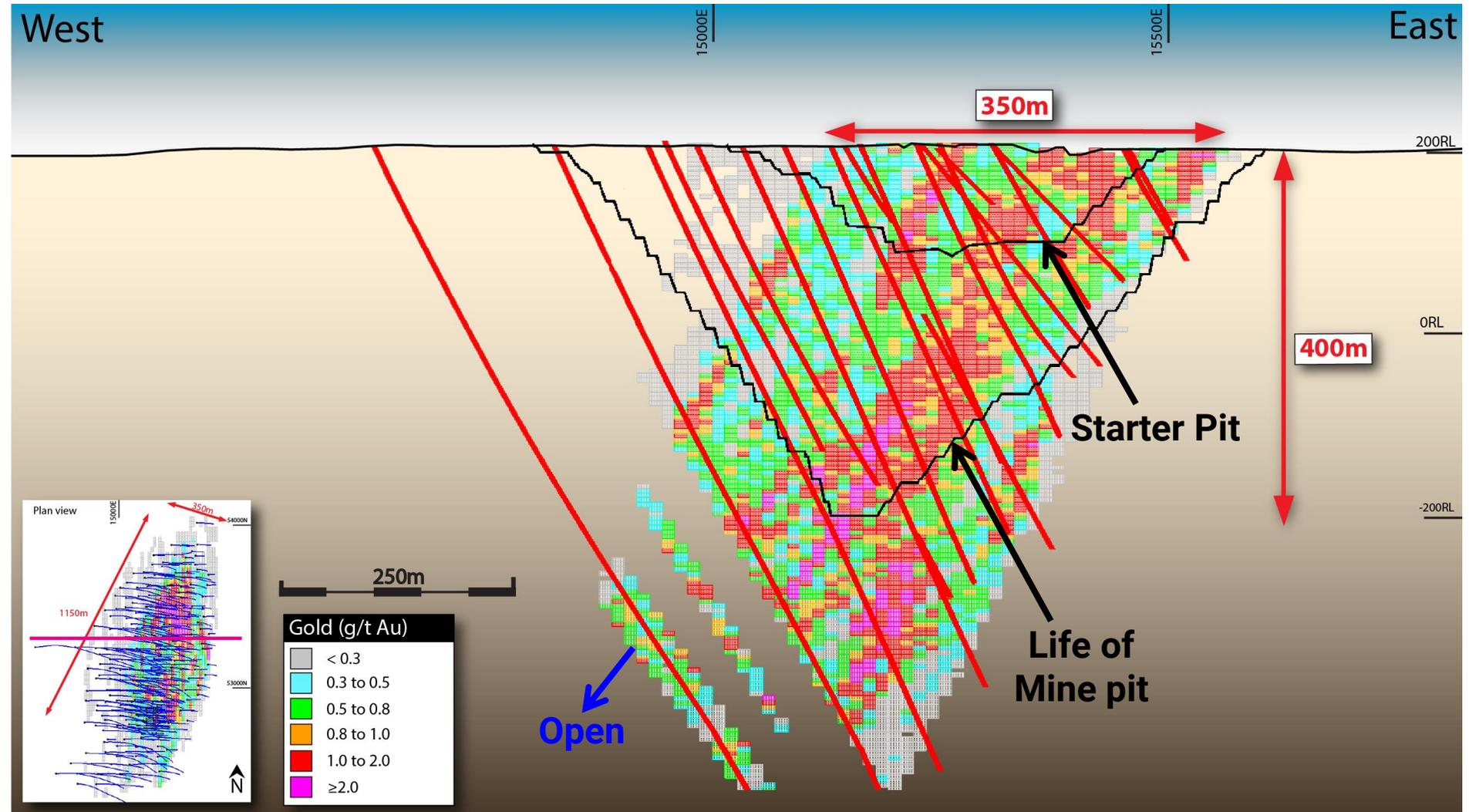
¹Ore Reserves as of Sept 2018 PFS



Cross Section – Grade Distribution

PFS PIT DRILLING

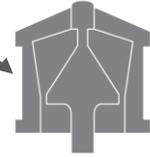
- 118,864 metres drilled since first discovery hole
- 64,423m DD
HQ diameter
- 41,170m RC
5.5 inch bit
- 13,271m RC
Grade Control
- Mineralisation is 350 metres wide
- Deposit open and continues at depth beneath the planned pit shell



PFS PROCESS FLOWSHEET

9.5 Mtpa

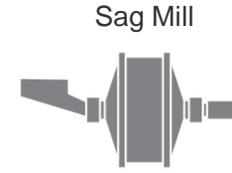
RoM Feed



Primary Crushing



Crushed Ore Stockpile

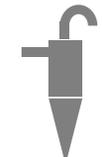


Sag Mill

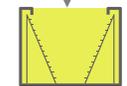


Ball Mill

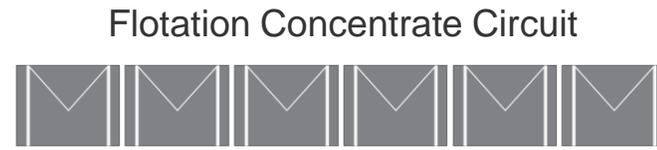
Grinding Circuit



Cyclone Classification



Gravity Concentration Circuit



Flotation Concentrate Circuit

**15 - 17 g/t Au
concentrate produced**

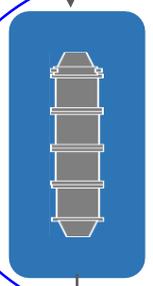
~8%
Concentrate to Regrind
(0.76 Mtpa)

Regrind Circuit



92%
(8.74 Mtpa)

Discharged to Tailings Storage Facility



Aachen™
Shear
Vessel



CIL Circuit



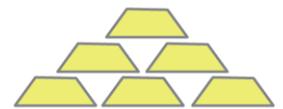
Elution



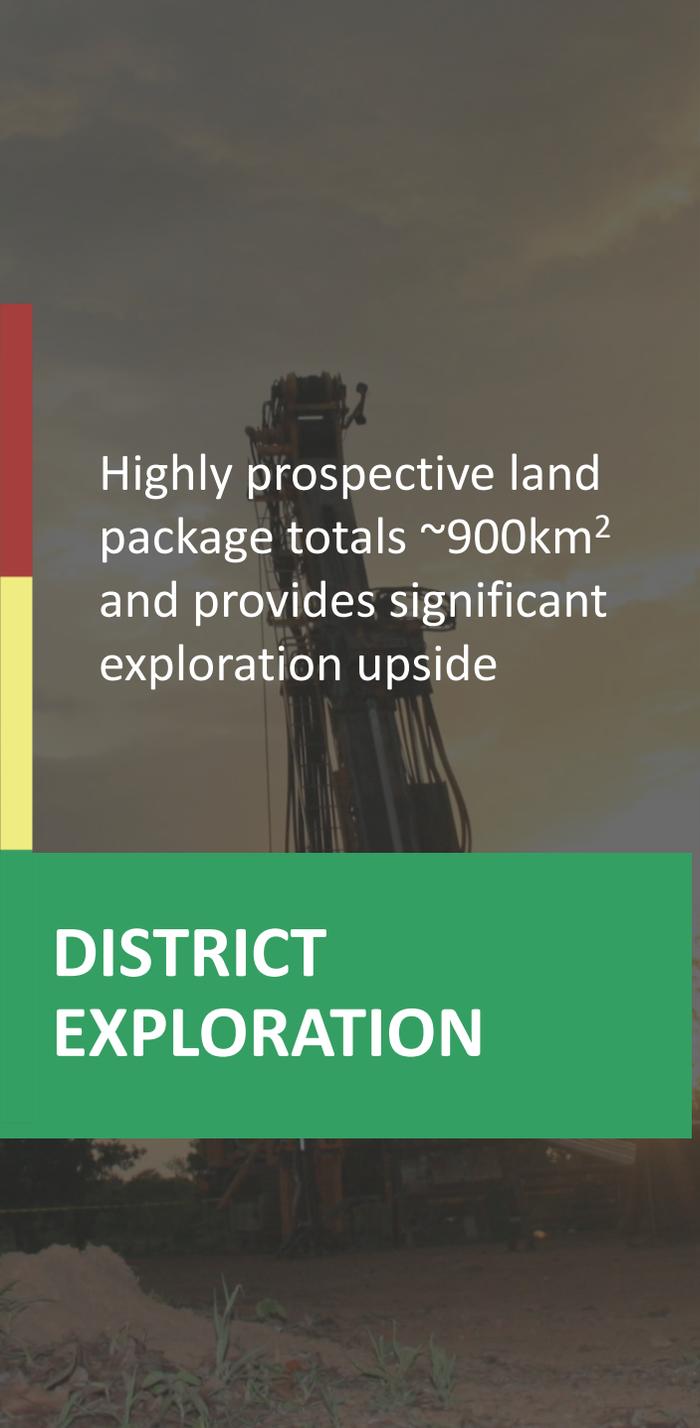
Electrowinning



Gold Doré Bars Production On-Site



- Conventional crush-grind-float-regrind-CIL circuit
- Gravity gold circuit designed for free gold
- 15 - 17 g/t Au concentrate produced
- Processing 8% of the RoM feed beyond flotation
- Discharging 92% of the RoM feed to tailings
- Gold doré bars produced on-site



Highly prospective land package totals ~900km² and provides significant exploration upside

DISTRICT EXPLORATION

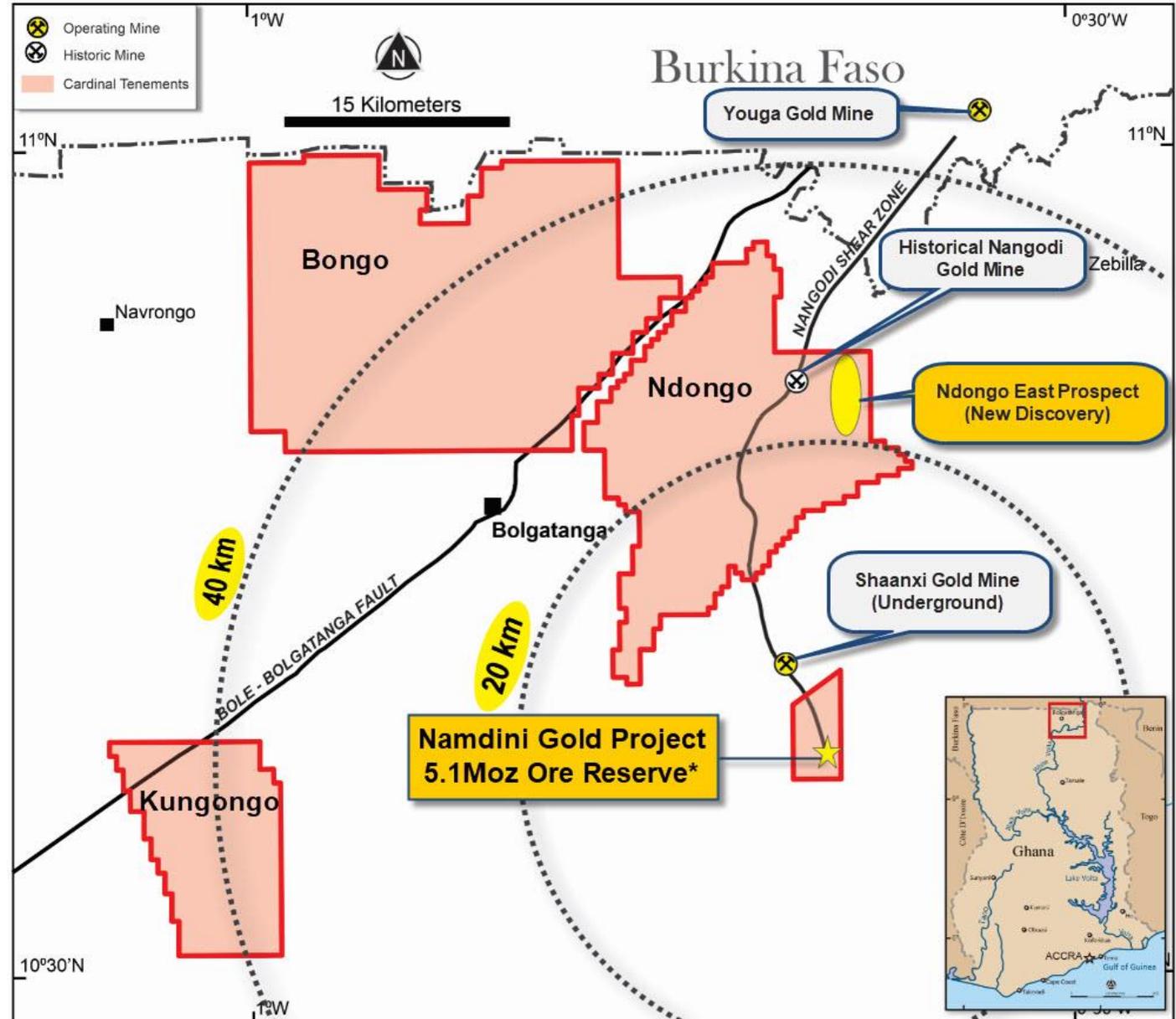


DISTRICT INITIATIVES

- **Bongo**
 - Auger soil drilling planned and geophysics targets being evaluated
- **Kungongo**
 - 4.5 km strike length being evaluated
 - Positive assay results returned from first pass drilling
- **Ndongo**
 - 6 large scale targets identified with initial focus near major regional shear
 - Recent exploration identified a discovery at Ndongo East
- **Drill targets being generated**
 - Gravity, magnetics and IP being used to identify and refine targets

*Ore Reserve as of 3 April 2019

7.4Mt @ 1.31g/t Au for 0.4Moz Au Proved and 131.2Mt @ 1.12g/t Au for 4.7Moz Au Probable; 0.5g/t Au cutoff



TIMELINE

	2019 Q3	2019 Q4	2020 H1	2020 H2	2021	2022 H2
Feasibility Study (FS)*	█					
Decision to Mine		█				
Construction Development			█			
Gold Production						█
District Exploration	█					

- Subject to result success and seasonal influences

*The Company continues to aim for delivery of the Feasibility Study by end of Q3 2019 upon receiving completed laboratory testwork, checks and sign-offs being delivered by Maelgwyn using its Aachen Process (ASX/TSX press release 4 June 2019).

THANK YOU

ASX / TSX: **CDV**

Contact Us:

CEO / MD

ARCHIE KOIMTSIDIS

archie@cardinalresources.com.au

IR / CORP DEV

ALEC ROWLANDS

alec@cardinalresources.com.au

Cannings Purple

ANDREW ROWELL

arowell@canningspurple.com

Cannings Purple

PETA BALDWIN

pbaldwin@canningspurple.com

APPENDIX: Competent Person's Statement & Disclaimer

QUALIFIED PERSON - COMPETENT PERSON'S STATEMENT

Mr Glenn Turnbull, a Competent Person who is a Chartered Engineer and a Member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Golder Associates Pty Ltd has compiled the information relating to the Ore Reserves in the Ore Reserve Summary. Mr Turnbull has sufficient experience which is relevant to the style of mineralization and type of deposit under consideration and to the activity which he has undertaken to qualify as a Competent Person as defined in the JORC Code 2012 and is a qualified person for the purposes of NI43-101. Mr Turnbull has no economic, financial or pecuniary interest in the company

Mr. Daryl Evans, who is a full time employee of Independent Metallurgical Operations Pty Ltd, is a Qualified Person as defined by National Instrument 43-101- Standards of Disclosure for Mineral Projects ("NI43-101"). Mr. Evans holds a Qualified Professional status being a Fellow of the Australasian Institute of Mining and Metallurgy (FAusIMM). Mr. Evans is an independent consultant appointed by Cardinal. Mr Evans has no economic, financial or pecuniary interest in the company

Mr Nicolas Johnson, a member of the Australian Institute of Geoscientists, who is an employee of MPR Geological Consultants Pty Ltd, has compiled the information relating to the Mineral Resources in the Resource Summary of the Namdini Project. Mr Johnson has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he has undertaken to qualify as a Competent Person, as defined in the JORC Code and a Qualified Person as defined by the NI43-101 instrument. Mr Johnson has no economic, financial or pecuniary interest in the company.

Mr. Richard Bray is a Registered Professional Geologist with the Australian Institute of Geoscientists. Mr Bray has compiled the information in this presentation that relates to the Exploration Results and Mineral Resources. Mr. Bray has more than 5 years' experience relevant to the styles of mineralisation and type of deposit under consideration and to the activity which is being 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" and as a Qualified Person as defined by the NI43-101 instrument. Mr. Bray is a fulltime employee of Cardinal Resources Limited and holds equity securities in the Company.

Mr. Ekow Taylor is a Chartered Professional Geologist with the Australasian Institute of Mining and Metallurgy. Mr Taylor has compiled the information in this presentation that relates to the Exploration Results and Mineral Resources. Mr. Taylor has more than 5 years' experience relevant to the styles of mineralisation and type of deposit under consideration and to the activity which is being 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" and as a Qualified Person as defined by the NI43-101 instrument. Mr. Taylor is a fulltime employee of Cardinal Resources Limited and holds equity securities in the Company.

NO NEW INFORMATION

This Presentation contains information extracted from ASX and TSX market announcements reported in accordance with the JORC Code (2012) and NI 43-101 and available for viewing at www.cardinalresources.com.au

Cardinal Resources Limited ("Cardinal" or the "Company") confirms that it is not aware of any new information or data that materially affects the information included in any original ASX market announcements carried out at the Company's projects and that all material assumptions and technical parameters underpinning the exploration activities and estimates of Mineral Resources in the relevant market announcements continue to apply and have not been materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

Please also refer to the Company's Annual and Quarterly Reports for further background information which are available on the Company's website.

APPENDIX DISCLAIMER & FORWARD LOOKING STATEMENTS

FORWARD LOOKING STATEMENTS

This presentation contains “forward-looking statements”, within the meaning of Section 27A of the United States Securities Act of 1933, as amended and Section 21E of the United States Exchange Act of 1934, as amended and forward-looking information as defined under applicable Canadian securities legislation (collectively, “forward-looking statements”). These forward-looking statements relate to, among other things, the objectives, goals, strategies, beliefs, intentions, plans, estimates and outlook of Cardinal Resources. Ltd (“Cardinal Resources” or the “Company”). Forward-looking statements can generally be identified by the use of words such as “believe,” “anticipate,” “expect,” “intend,” “plan,” “goal,” “will,” “may,” “target,” “potential” and other similar expressions. In addition, any statements that refer to expectations, projections or other characterizations of future events or circumstances are forward-looking statements. Forward-looking statements are based on estimates and assumptions made by Cardinal Resources in light of its experience and perception of historical trends, current conditions and expected future developments, as well as other factors Cardinal Resources believes are appropriate in the circumstances. These estimates and assumptions are inherently subject to significant business, economic, competitive and other uncertainties and contingencies, many of which, with respect to future events, are subject to change. Although Cardinal Resources believes that the expectations reflected in such forward-looking statements are reasonable, undue reliance should not be placed on such statements.

In making the forward-looking statements in this presentation, Cardinal Resources has made several assumptions, including, but not limited to assumptions concerning: production costs; statements with respect to the future price of gold, the estimation of mineral reserves and resources, the realization of mineral reserve estimates, the timing and amount of estimated future production, costs of production, capital expenditures, costs and timing of the development of new deposits, success of exploration activities, permitting time lines, currency exchange rate fluctuations, requirements of additional capital, government regulation of mining operations, environmental risks, costs of closure of various operations and changes to the political stability or government regulation in the country in which Cardinal Resources operates .

Actual results may differ materially from those expressed or implied in the forward-looking statements contained in this presentation. Important factors that could cause actual results to differ materially from these expectations are discussed in greater detail under the heading “Risk Factors” in Cardinal Resource’s annual information form for the current year available on www.sedar.com. When relying on forward-looking statements to make decisions with respect to Cardinal Resources, carefully consider these risk factors and other uncertainties and potential events. Cardinal Resources undertakes no obligation to update or revise any forward-looking statement, except as required by law.

Although Cardinal Resources has carefully prepared and verified the Mineral Resource and Ore Reserve figures presented herein, such figures are estimates, which are, in part, based on forward-looking information and no assurance can be given that the indicated level of gold will be produced. Estimated Mineral Resources and Ore Reserves may have to be recalculated based on actual production experience. Market price fluctuations of gold as well as increased production costs or reduced recovery rates and other factors may render the present Probable Ore Reserves unprofitable to develop at a particular site or sites for periods of time.

PRE-FEASIBILITY STUDY – CAUTIONARY STATEMENT (REFER PRESS RELEASE DATED 18 SEPTEMBER 2018)

The PFS is based upon a Probable Ore Reserve derived from Indicated Mineral Resources. No Inferred Mineral Resources have been included in the estimation of Ore Reserves. The Company advises that the Probable Ore Reserve provides 100% of the total tonnage and 100% of the total gold metal underpinning the forecast production target and financial projections. No Inferred Mineral Resource material is included in the Life of Mine plan. The PFS is based on material assumptions outlined in the PFS Report. The Company has concluded it has a reasonable basis for providing the forward-looking statements in this document.