



NEXUSMINERALS



**RIU Resurgence Conference
December 2021**

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The information in the report to which this statement is attached that relates to the Pinnacles Mineral Resources based upon information compiled by Mr Mark Drabble, a Competent Person who is a member of The Australian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Drabble is a full-time employee of Optiro Pty Ltd, consultants to Nexus Minerals Limited. Mr Drabble has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity 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'. Mr Drabble consents to the inclusion in the report of matters based on his information in the form and context in which it appears.

- The information in this report that relates to the Crusader Mineral Resource Estimate is based upon information compiled by Mr Adam James, a Competent Person who is a member of The Australian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr James was a full-time employee of Nexus Minerals Limited at the time of release. Mr James has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity 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'. Mr James consents to the inclusion in the report of matters based on his information in the form and context in which it appears.
- The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on, and fairly represents, information and supporting documentation, prepared, compiled or reviewed by Mr Andy Tudor, who is a Member of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr Tudor is the Managing Director and full-time employee of Nexus Minerals Limited. Mr Tudor has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity for which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Tudor consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.
- The exploration results are available to be viewed on the Company website www.nexus-minerals.com. The Company confirms it is not aware of any new information that materially affects the information included in the original announcement. The Company confirms that the form and context in which the Competent Person's findings are present have not been materially modified from the original announcements of 13/10/2016, 7/2/2017, 6/9/2018, 20/9/2018, 16/10/18, 29/11/2018, 24/1/2019, 4/2/2019, 27/2/19, 15/3/2019, 2/4/2019, 9/4/2019, 16/4/2019, 18/4/2019, 29/5/2019, 8/7/2019, 28/8/2019, 8/10/2019, 21/10/2019, 27/2/2020, 13/3/2020, 21/4/2020, 29/6/2020, 15/7/2020, 16/7/2020, 24/7/2020, 13/8/2020, 28/8/2020, 1/8/2020, 5/10/2020, 19/10/2020, 2/11/2020, 17/11/2020 and 23/11/2020, 2/12/2020, 7/12/2020, 15/12/2020, 29/1/2021, 16/2/2021, 21/4/2021, 23/4/2021, 28/4/2021, 27/5/2021, 13/7/2021, 28/7/2021, 16/8/2021, 23/8/2021, 8/9/2021, 11/10/2021, 25/10/2021, 8/11/2021, 9/11/2021 and 15/11/2021.
- No Ore Reserves have currently been defined on the Pinnacles JV Gold Project, nor the Wallbrook Gold Project. There has been insufficient exploration and technical studies to estimate an Ore Reserve and it is uncertain if further exploration and/or technical studies will result in the estimation of an Ore Reserve. The potential for the development of a mining operation and sale of ore from the Pinnacles JV Gold Project or the Wallbrook Gold Project has yet to be established.

COMPANY SNAPSHOT

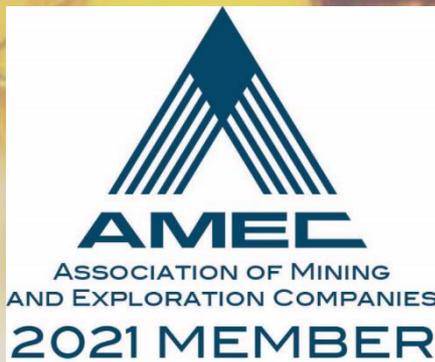


CORPORATE OVERVIEW

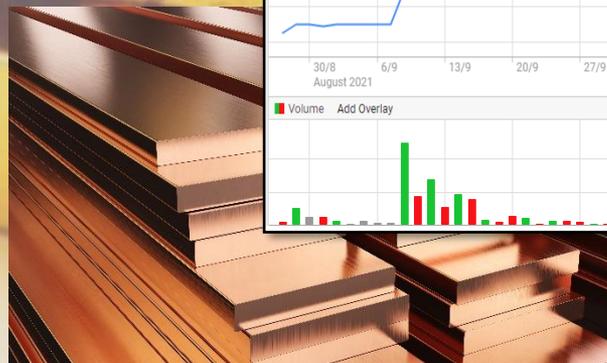
Nexus Minerals Limited	ASX: NXM
Shares	288 million
Share Price	A\$0.51
Market Cap	A\$147m
Cash (24/11/2021)	A\$24m
Enterprise Value	A\$123m
Top 20	32%

BOARD AND MANAGEMENT

Chairman	Mr Paul Boyatzis
Managing Director	Mr Andy Tudor
Non - Executive Director	Dr Mark Elliott
Non - Executive Director	Mr Bruce Maluish
Company Secretary	Mr Phil MacLeod



ASX:NXM



TARGETING

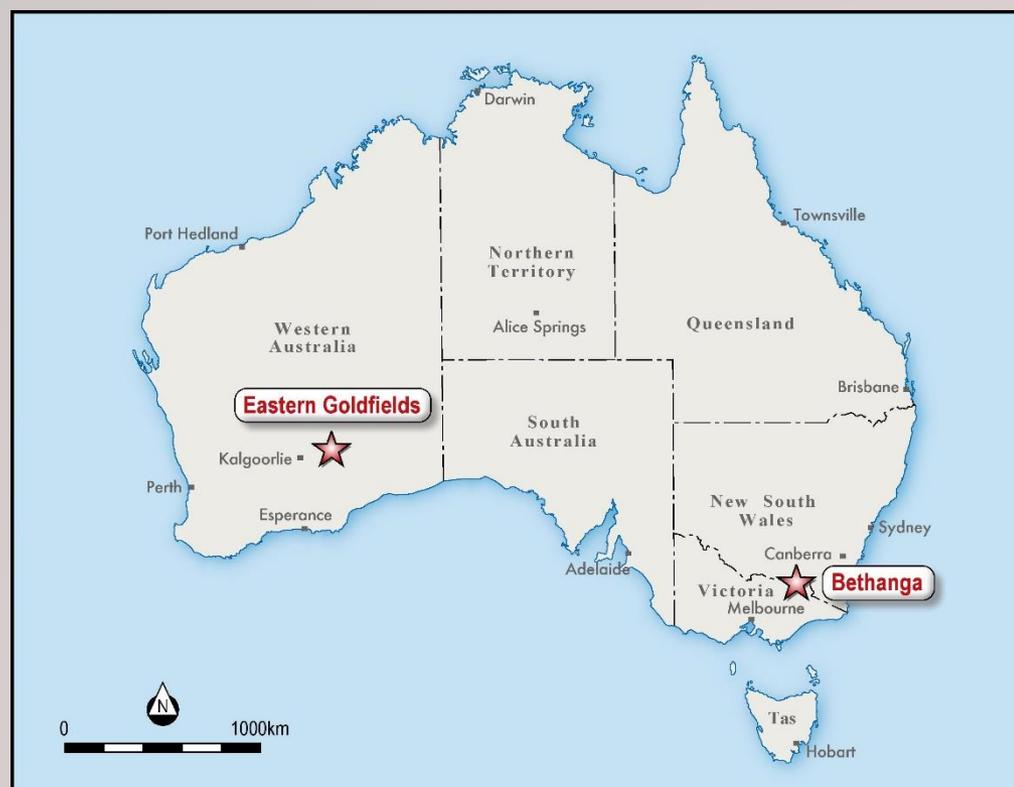
**LARGE SCALE GOLD DEPOSITS IN EASTERN GOLDFIELDS OF WESTERN AUSTRALIAN
LARGE COPPER – GOLD PORPHYRY MINERALISED SYSTEMS IN VICTORIA**

Eastern Goldfields Western Australia

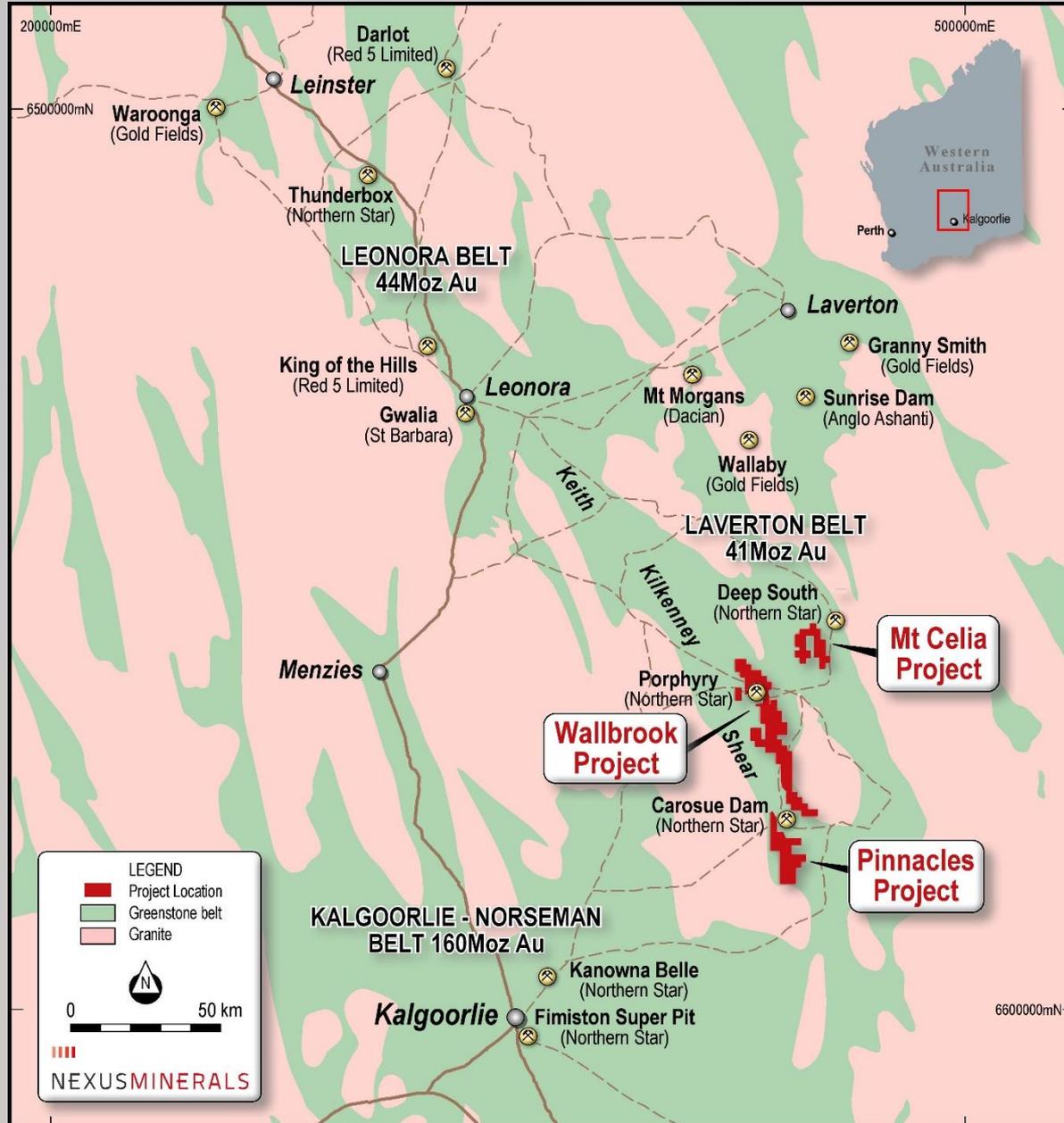
- Wallbrook Gold Project – 250km²
- Pinnacles Gold Project – 125km² JV with Northern Star (ASX:NST)
- Mt Celia Gold Project

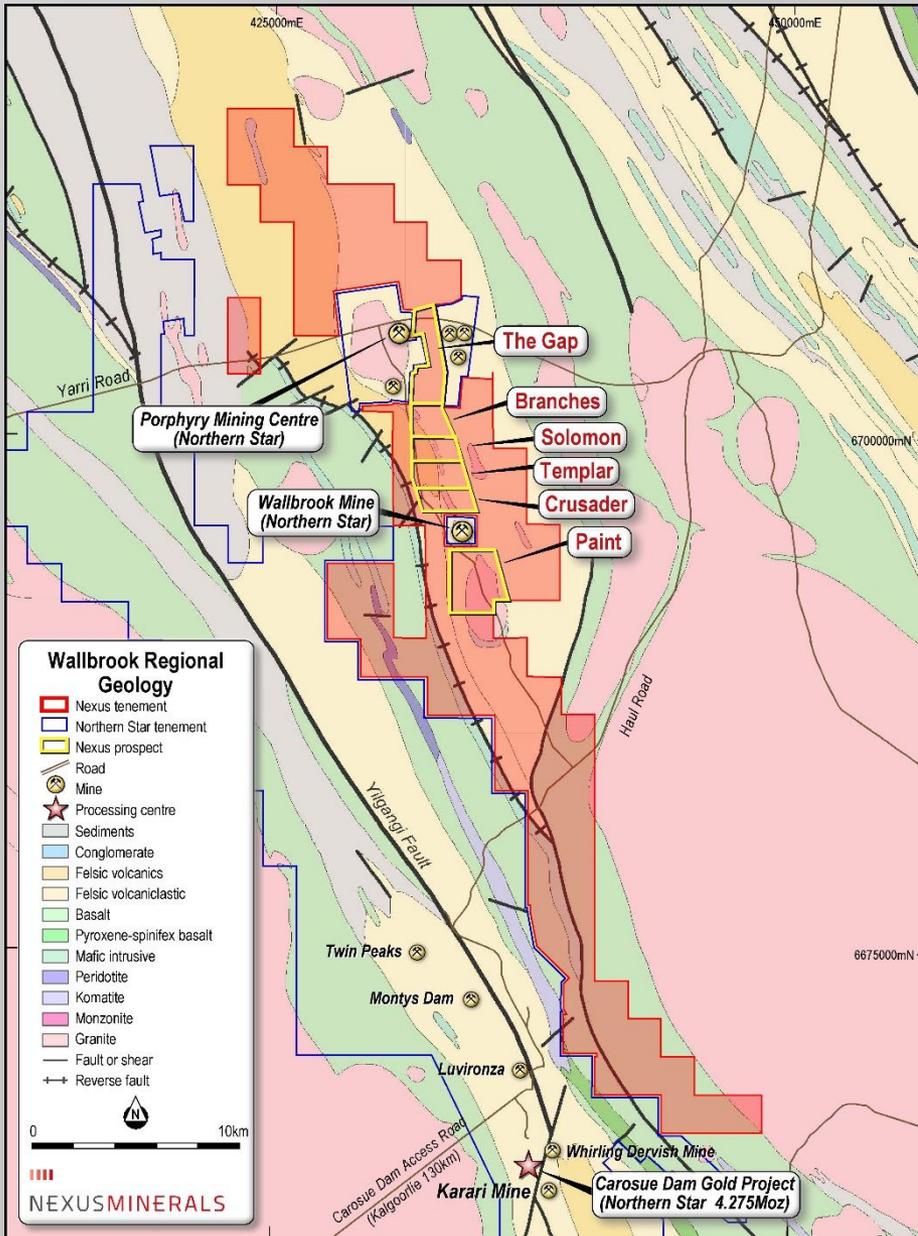
Victoria Porphyry Cu-Au

- Bethanga Porphyry Cu-Au – 194km²



PROJECT LOCATIONS – EASTERN GOLDFIELDS



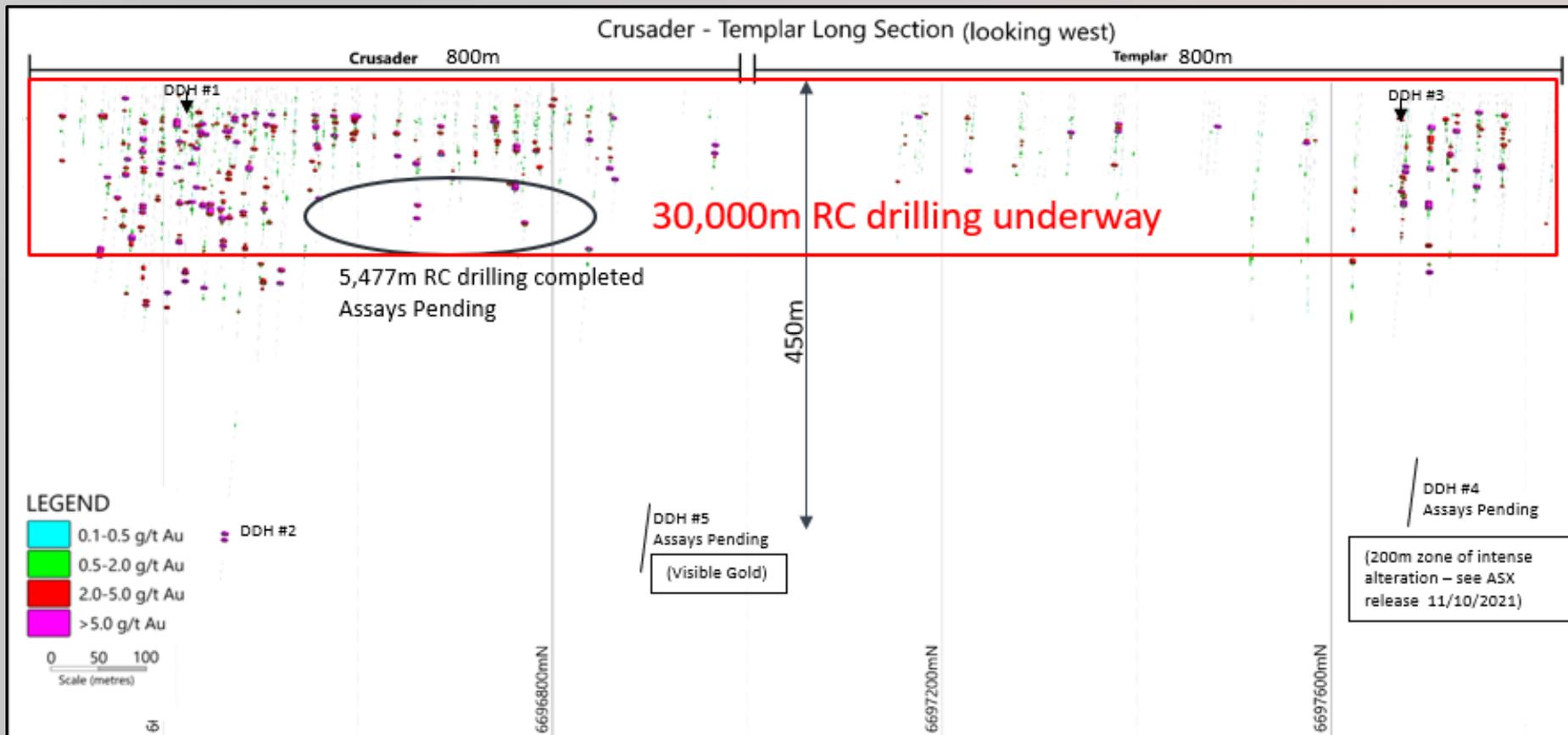


- 140km northeast of Kalgoorlie & in-between Northern Star's Carosue Dam Operations and Porphyry Mining Centre Operations
- Northern Star mining Porphyry Mining Centre sending ore to their Carosue Dam Operations 3.2Mtpa Mill – 35km to the south
- 250km² contiguous tenement package – Some 50km strike of prospective geology
- Geology & structural setting highly prospective for hosting gold mineralisation
 - Multi Million Ounce Gold District**
- Significant historical gold results, limited follow up, largely underexplored landholding
- Regional gold deposits are located
 - ✓ Proximal & Internal porphyry intrusions
 - ✓ Within altered intruded host rocks

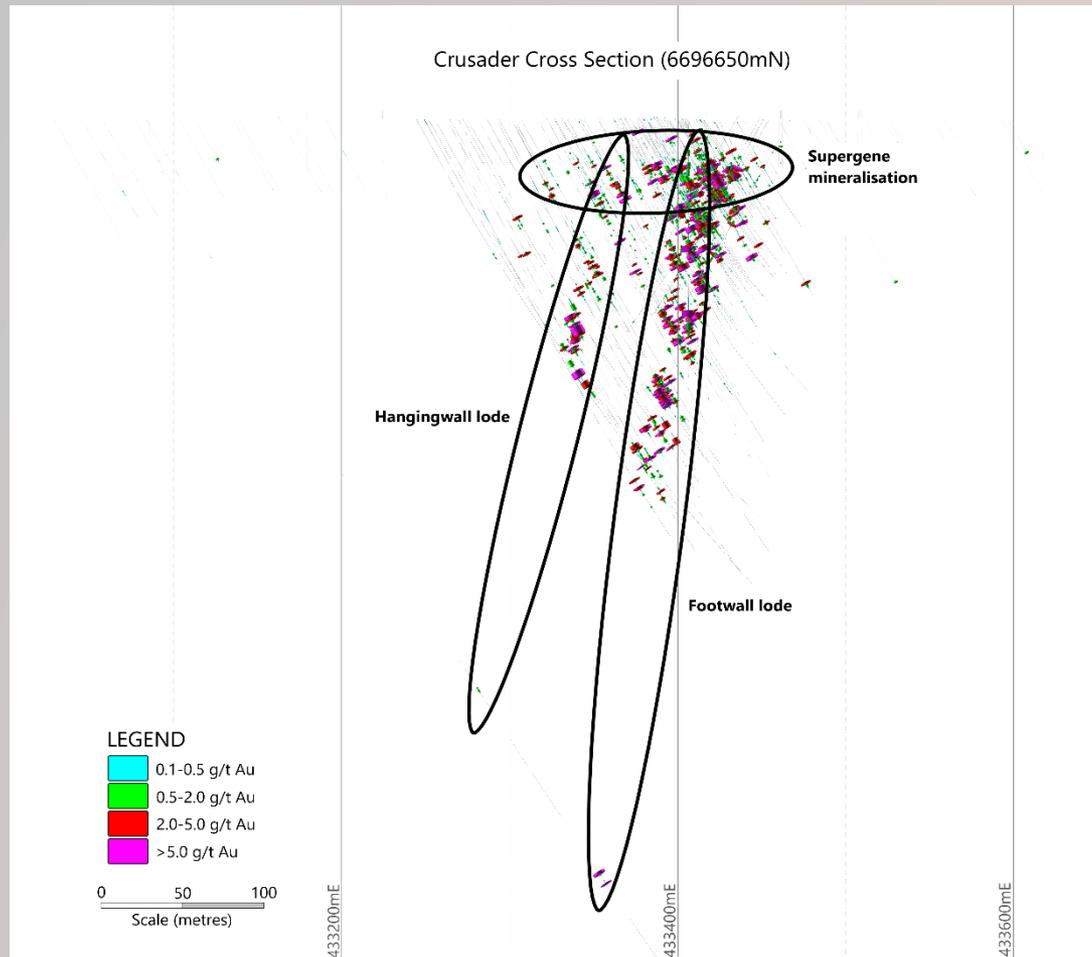
CRUSADER-TEMPLAR PROSPECT

- Drilling intersects broad and high-grade gold mineralisation
- High-grade core extends to depth and remains open over 1.6km of strike – now linking the Crusader - Templar Prospects
- Mineralisation hosted in quartz porphyry and volcanoclastic units with extensive alteration, silicification and stockwork veining

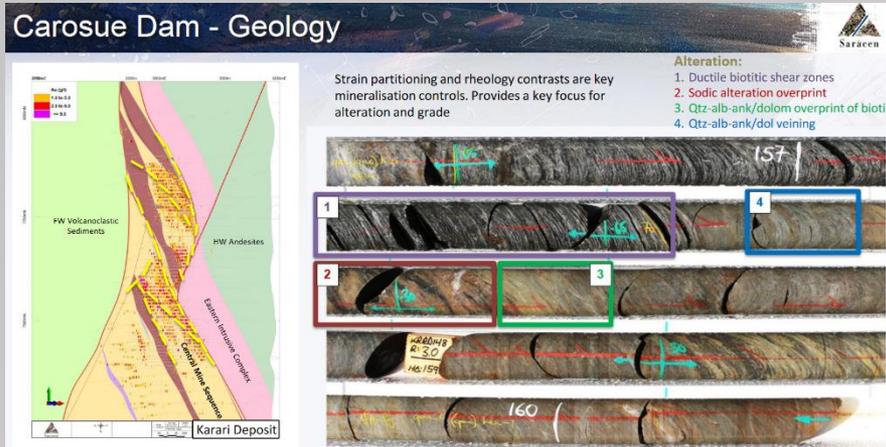
The same host rocks and alteration style that hosts the multi million-ounce Northern Star Karari Gold Mine – 30km to the south



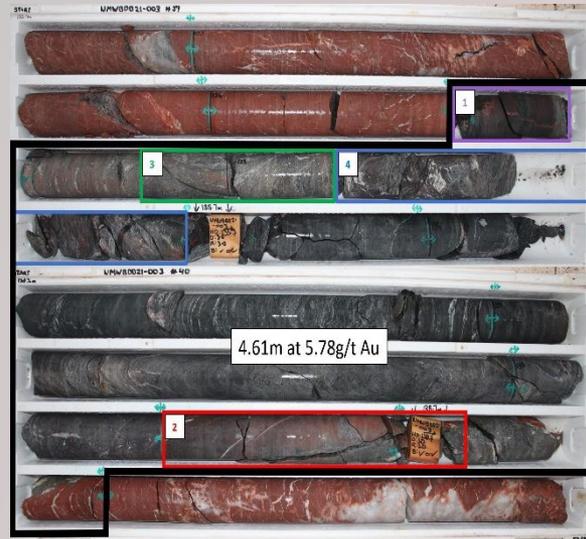
- Cross-section of all Crusader Prospect drilling shows good continuity of mineralisation
- Three distinct zones of mineralisation:
 - Supergene zone (horizontal oxide)
 - Hangingwall lode zone (steeply dipping primary)
 - Footwall lode zone (steeply dipping primary)



CRUSADER-TEMPLAR PROSPECT



Hole DDH#1 3m @ 11.54g/t Au from 159m
(Within 9m @ 4.49g/t Au)



Hole DDH#3 4.61m @ 5.78g/t Au from 123m
(Within 18.38m @ 2.40g/t Au)

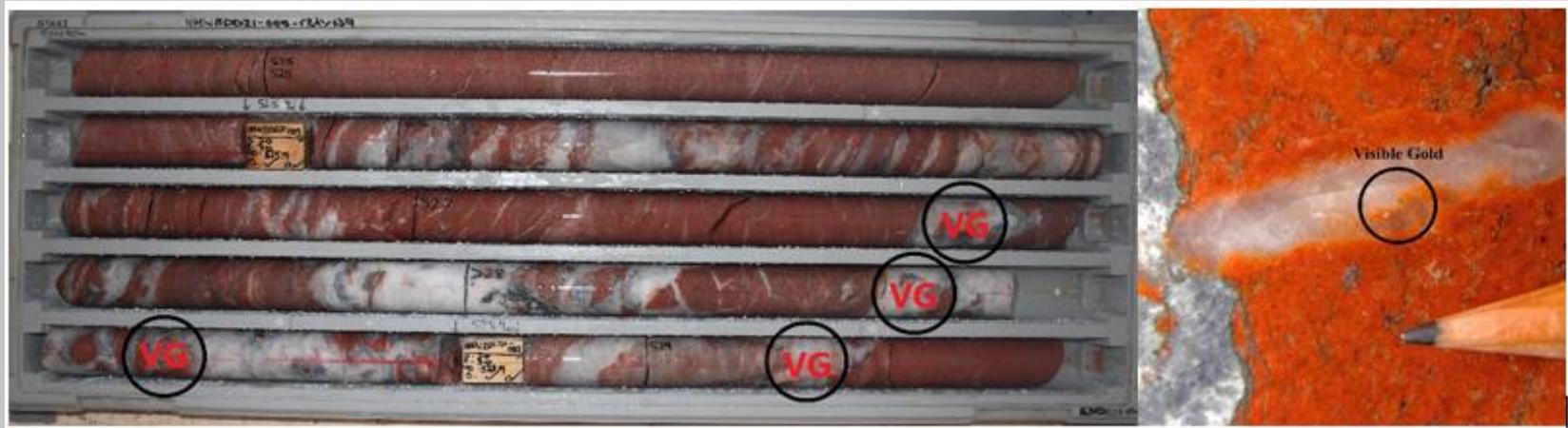


Hole DDH#4 Assays pending
200m Zone of Intense
Alteration / Silicification / Stockwork Veining

1.2km Between Hole DDH#1 and Holes DDH#3 and DDH#4

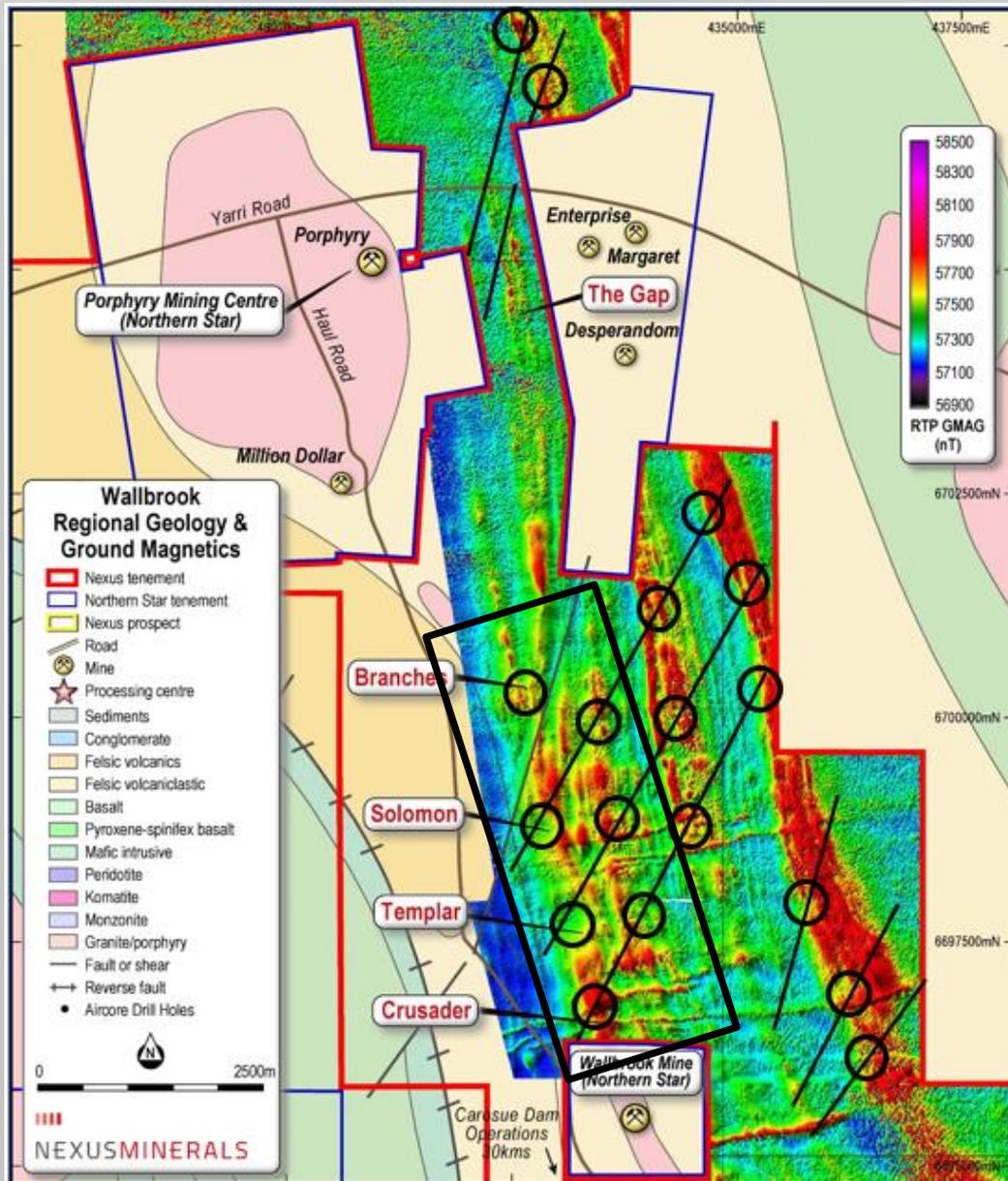


Hole DDH#5 510 – 540m



Hole DDH#5 Assays pending
Visible Gold

30m Zone of Intense Alteration / Silicification / Stockwork Veining

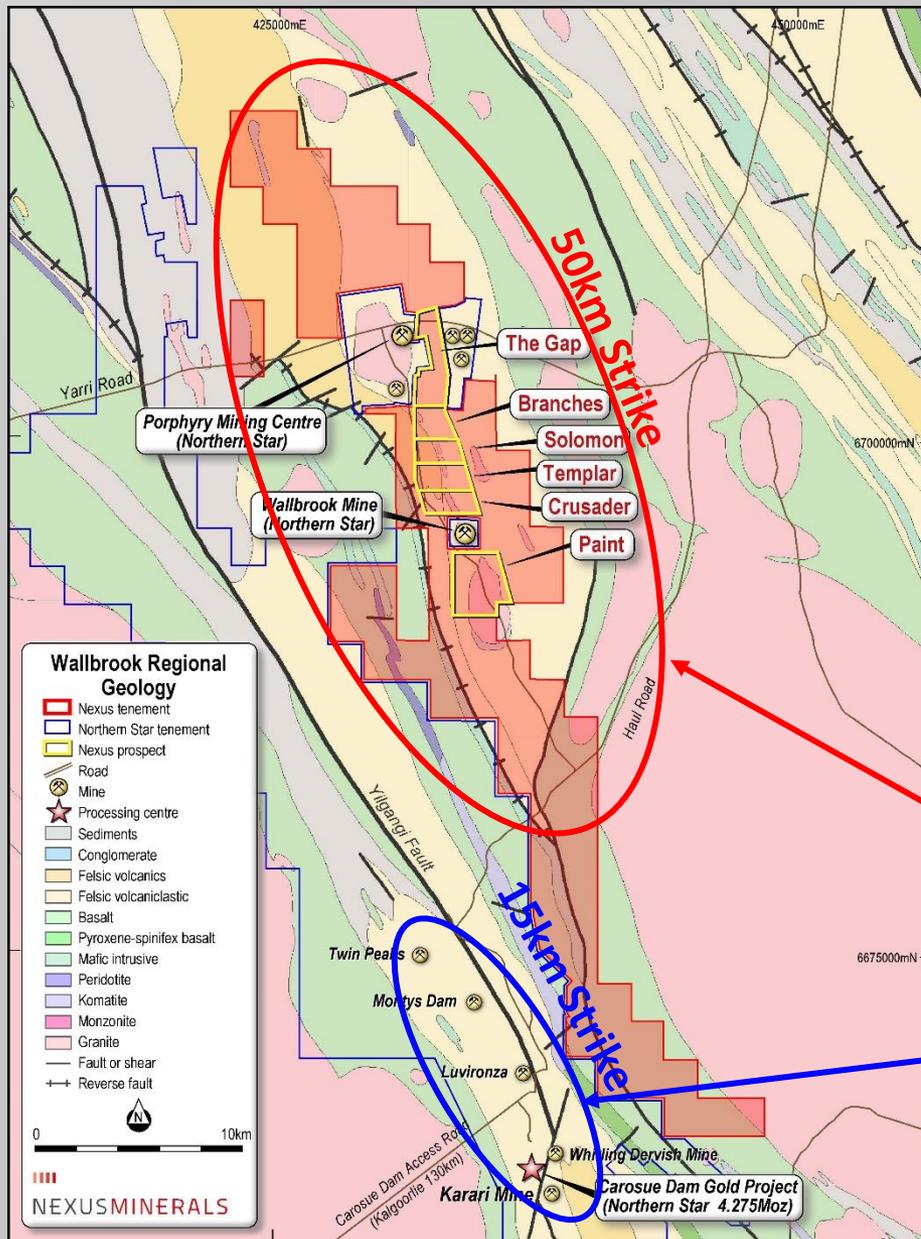


Regional Exploration

- Regional Gravity Survey coverage completed has identified a Gravity Low Corridor
- Regional Ground Magnetic Survey coverage is successfully identifying
 - Magnetic Highs - Early phase of alteration / fluid flow
 - Magnetic Lows - zones of Mag Destruction (within the Mag Highs) associated with late phases of alteration / fluid flow
 - Northeast structures concentrate fluid flow

Mineralisation is associated with:

- ✓ Gravity Low Corridor
- ✓ + Magnetic Low (within Mag High)
- ✓ + Northeast Structures



Planned Exploration Activities

- Historic data compilation across 250km² tenure
- Exploration strategy development
- Geological - Alteration - Structural mapping
- Analysis of new & historical geochemical datasets
- Modelling of new & historical geophysical datasets
- Ground geophysical surveys – Gravity & Magnetics
- Aircore / RC / Diamond drill programs

Numerous Prospects identified to date for follow-up exploration and prospective drill targeting

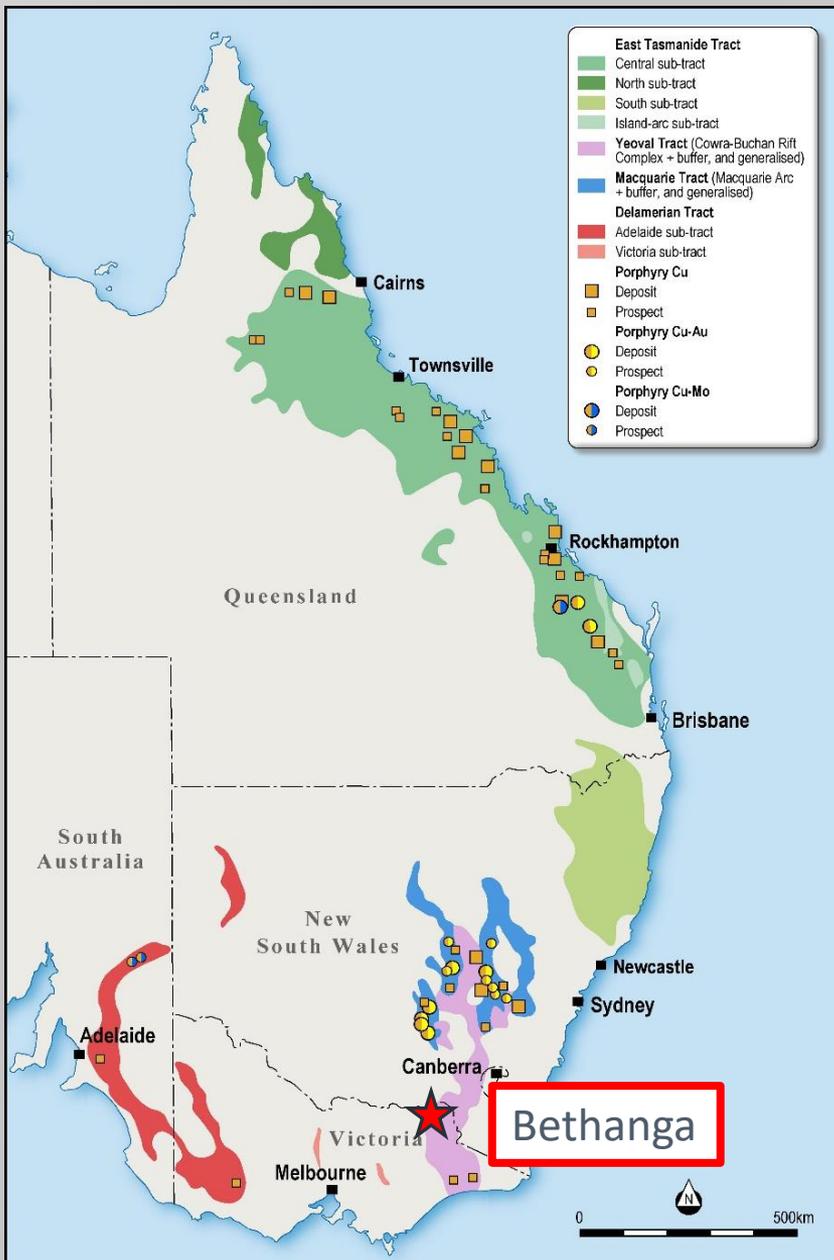
Nexus Minerals “Corridor of Riches” ???

“The Right Rocks”

Northern Star’s “Corridor of Riches”
Mineral Resources >4 Moz Gold

- and Growing

(Source: Northern Star website)



Targeting = Large Scale Porphyry Cu-Au System

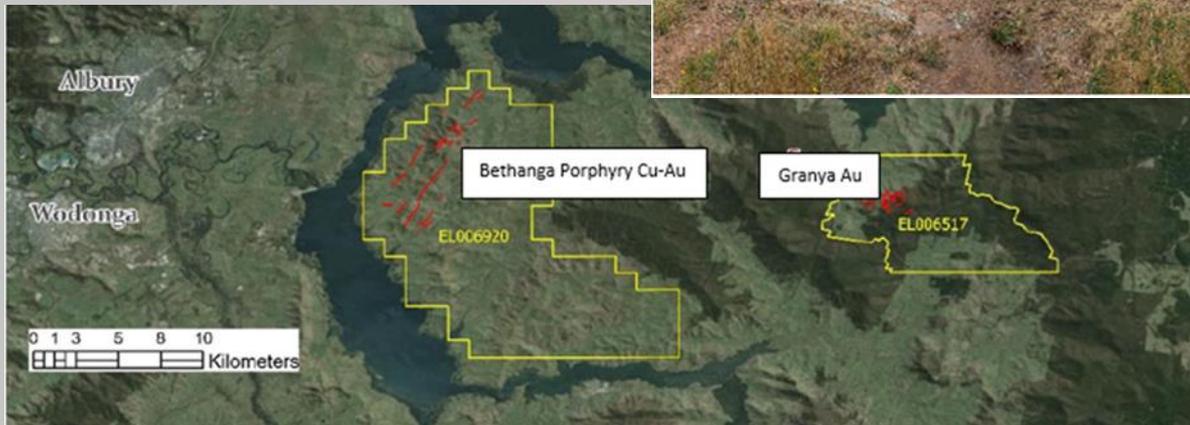
- Exploration Tenements cover 194km²
- Located in Australia's premier Porphyry Copper-Gold geological terrain
- Same geological host as the world class Cadia-Ridgeway and Northparkes Porphyry Copper-Gold projects further north in NSW
- The project area is recognized by Geological Survey of Victoria as a region prospective for Porphyry Copper-Gold and VHMS mineralisation

“The Right Rocks”

- Historically mined for copper and gold at turn of the century (618t Cu and 118kOz Au at 39g/t)
- No exploration activity since 1987

Porphyry Cu-Au Fertility Assessment Progressing

- Prospect wide soil sampling program - Completed
- Geological mapping and lithogeochemical sampling - Completed
- Re-process and 3D inversion of regional aeromagnetic data – Nearing Completion
- Detailed ground magnetic survey – Commencing early 2022
- Option period extended by 3 months to March 2022 (due to Covid restrictions)



NEXUS 2021 - 2022 PLANNED PROGRAM



		Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	
Wallbrook	Crusader	RC Drilling 5,477m		RC Results 5,477m					
			Drill Results 1xRC						
			4xDDH Tails						
		DDH#5 Completed 797m (EOH)			DDH #5 Results				
							20,000m RC Drilling		
							3,000m Diamond Drilling		
			15,000 RC Drilling				RC Drilling Results 15,000m		
	Templar	DDH#4 702m (EOH)			DDH#4 Results				
			15,000 RC Drilling				RC Drilling Results 15,000m		
					DDH Holes ~350m & 700m		DDH Results ~350m & 700m		
							20,000m RC Drilling		
							3,000m Diamond Drilling		
	Regional	Regional Ground Magnetics Survey & Detailed Gravity Survey							
		Paint RC 1,970m			Paint RC Results	Solomon 4,000m RC	4,000m RC Drilling	4,000m RC Drilling	4,000m RC Drilling
Bethanga	Porphyry Cu-Au Fertility Assessment								
	Soil Sampling & Mapping								
	Re-process Regional Aeromagnetic Data								
				Ground Magnetic Survey					

Western Australia

- ✓ Highly prospective and strategic landholding
- ✓ Active gold explorer in multi million ounce Au region – largely underexplored landholding
- ✓ Systematic exploration of projects – utilising multiple disciplinary techniques

Victoria

- ✓ New project Bethanga Porphyry Cu-Au
- ✓ Bethanga Cu-Au fertility assessment underway

- ❖ Quality Projects – **“The Right Rocks”**
- ❖ Professional & experienced management team
- ❖ Well Funded \$24m million Cash on Hand

Contact:

Mr Andy Tudor
Managing Director
andy.tudor@nexus-minerals.com

NEXUS MINERALS LIMITED ASX:NXM
ABN: 96 122 074 006

PO Box 2803,
West Perth WA 6872

T: +61 8 9481 1749

W: www.nexus-minerals.com

Thank You

SUMMARY

Appendix 1 JORC Tables

Crusader Combined JORC 2012 Mineral Resource Estimate

	Indicated			Inferred			Total			Cut Off Grade g/tAu
	Tonnes (t)	Grade (g/t Au)	Ounce (oz)	Tonnes (t)	Grade (g/t Au)	Ounce (oz)	Tonnes (t)	Grade (g/t Au)	Ounce (oz)	
Crusader Open Pit	1,222,000	1.18	46,000	908,000	1.19	35,000	2,130,000	1.18	81,000	0.5
Crusader UG	-	-	-	37,000	3.38	4,000	37,000	3.38	4,000	2
Crusader Total	-	-	-	-	-	-	2,167,000	1.22	85,000	

Northern Star Ltd CDO Combined JORC 2012 Mineral Resource Estimate

MINERAL RESOURCES AS AT 31 MARCH 2021

	MEASURED			INDICATED			INFERRED			TOTAL RESOURCES		
	Tonnes (000's)	Grade (gpt)	Ounces (000's)	Tonnes (000's)	Grade (gpt)	Ounces (000's)	Tonnes (000's)	Grade (gpt)	Ounces (000's)	Tonnes (000's)	Grade (gpt)	Ounces (000's)
NST ATTRIBUTABLE INCLUSIVE OF RESERVE												
CAROSUE DAM GOLD PROJECT												
Surface	3,123	1.5	149	24,270	1.6	1,278	9,670	1.4	429	37,062	1.6	1,856
Underground	6,522	2.9	602	13,968	2.6	1,184	6,583	2.9	546	27,074	2.8	2,332
Stockpiles	3,212	2.0	81	-	-	-	-	-	-	3,212	2.0	81
Gold in Circuit	-	-	7	-	-	-	-	-	-	-	-	7
Sub-Total Carosue Dam	12,857	2.0	838	38,238	2.0	2,463	16,253	2.0	975	67,348	2.0	4,275

Source: Northern Star website (www.nsr ltd.com) Northern Star Ltd Annual Report 2021 Mineral Resources as at 31 March 2021