



**NEXUS**MINERALS

# INVESTOR PRESENTATION

RIU SYDNEY RESOURCES ROUND-UP  
CONFERENCE

MAY 2022

[nexus-minerals.com](https://nexus-minerals.com)



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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 'Australasian 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](http://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, 15/11/2021, 21/12/2021, 24/12/2021, 18/1/2022, 25/1/2022, 3/03/2022, 14/3/2022, 31/3/2022, 11/04/2022, 19/4/2022 and 21/04/2022.
- 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.



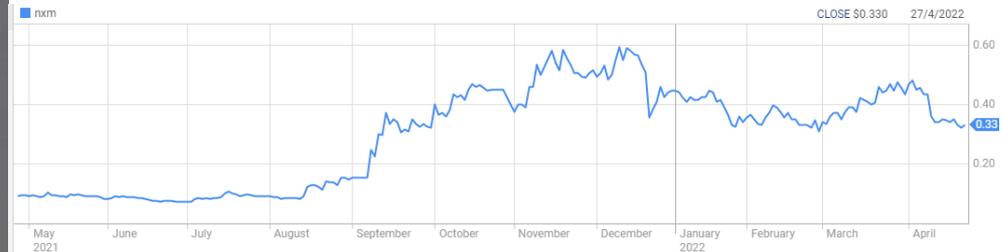
# ABOUT NEXUS MINERALS



## CORPORATE OVERVIEW

NEXUS MINERALS LIMITED	<b>ASX: NXM</b>
SHARES	<b>289.7 MILLION</b>
SHARE PRICE	<b>A\$0.33</b>
MARKET CAP	<b>A\$95.6M</b>
CASH (31/03/2022)	<b>A\$17M</b>
ENTERPRISE VALUE	<b>A\$78M</b>
TOP 20	<b>27%</b>

## NXM OVERVIEW



## BOARD & MANAGEMENT

<b>CHAIRMAN</b>	MR PAUL BOYATZIS	35 years equity markets and corporate governance
<b>MANAGING DIRECTOR</b>	MR ANDY TUDOR	37 years exploration geologist and management
<b>NON-EXECUTIVE DIRECTOR</b>	DR MARK ELLIOTT	40 years experience in the resource industry geologist
<b>NON-EXECUTIVE DIRECTOR</b>	MR BRUCE MALUISH	33 years experience as a mining professional
<b>COMPANY SECRETARY</b>	MR PHIL MACLEOD	30 years commercial experience

# COMPANY PROJECTS

## TARGETING:

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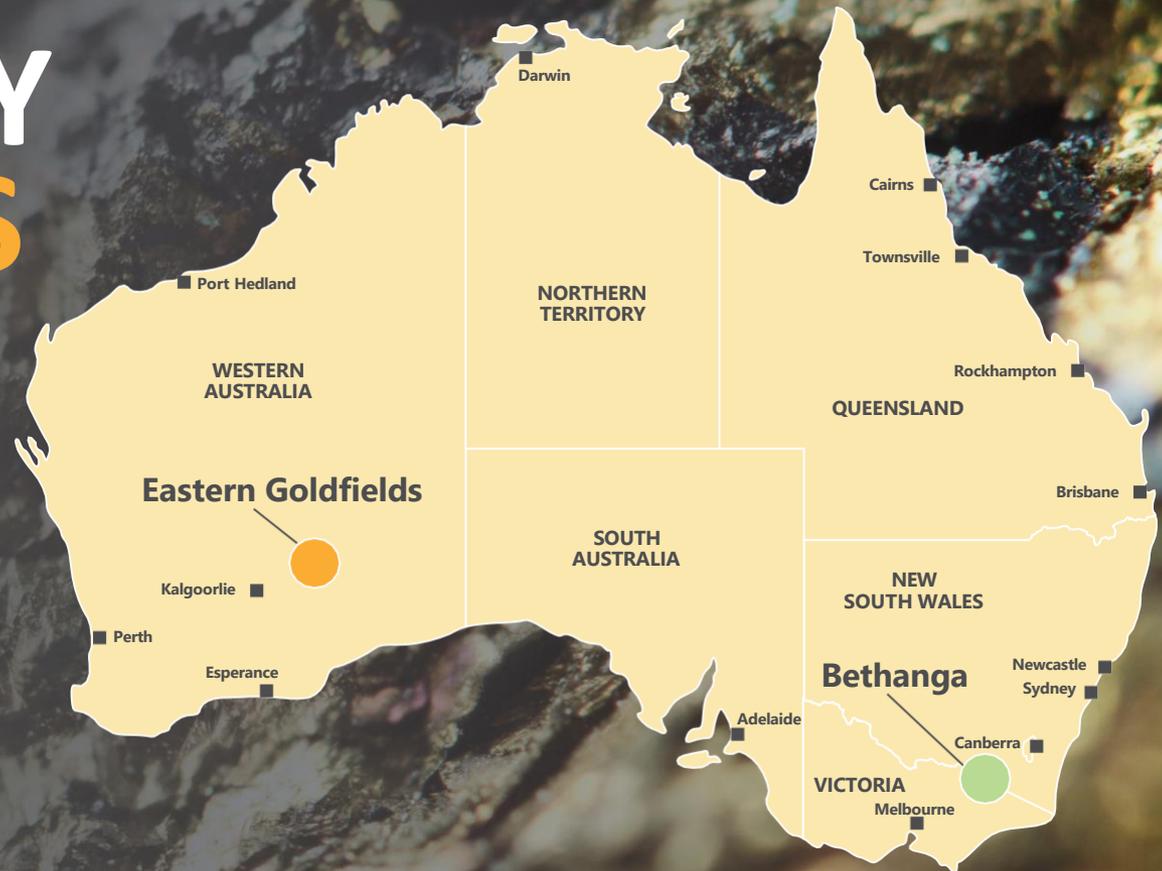
### WESTERN AUSTRALIA

Large scale gold deposits in WA's Eastern Goldfields

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### VICTORIA

Large copper/gold porphyry systems in Australia's premier geological terrain



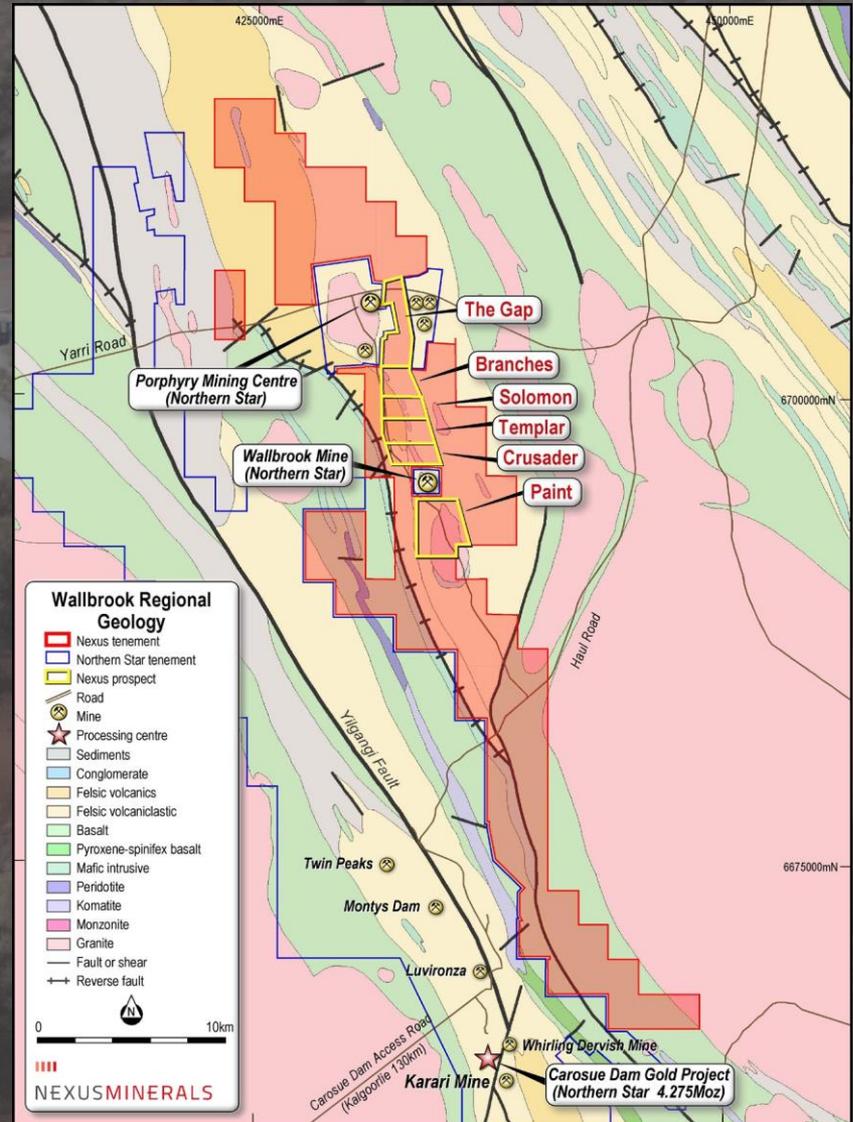
# COMPANY PROJECT WALLBROOK GOLD PROJECT

## WESTERN AUSTRALIA/EASTERN GOLDFIELDS

- 140km northeast of Kalgoorlie and 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
- 250km<sup>2</sup> contiguous tenement package – Some 50km strike of prospective geology
- Paint Prospect to The Gap on granted ML's
- Geology and structural setting highly prospective for hosting gold mineralisation
- Largely unexplored landholding

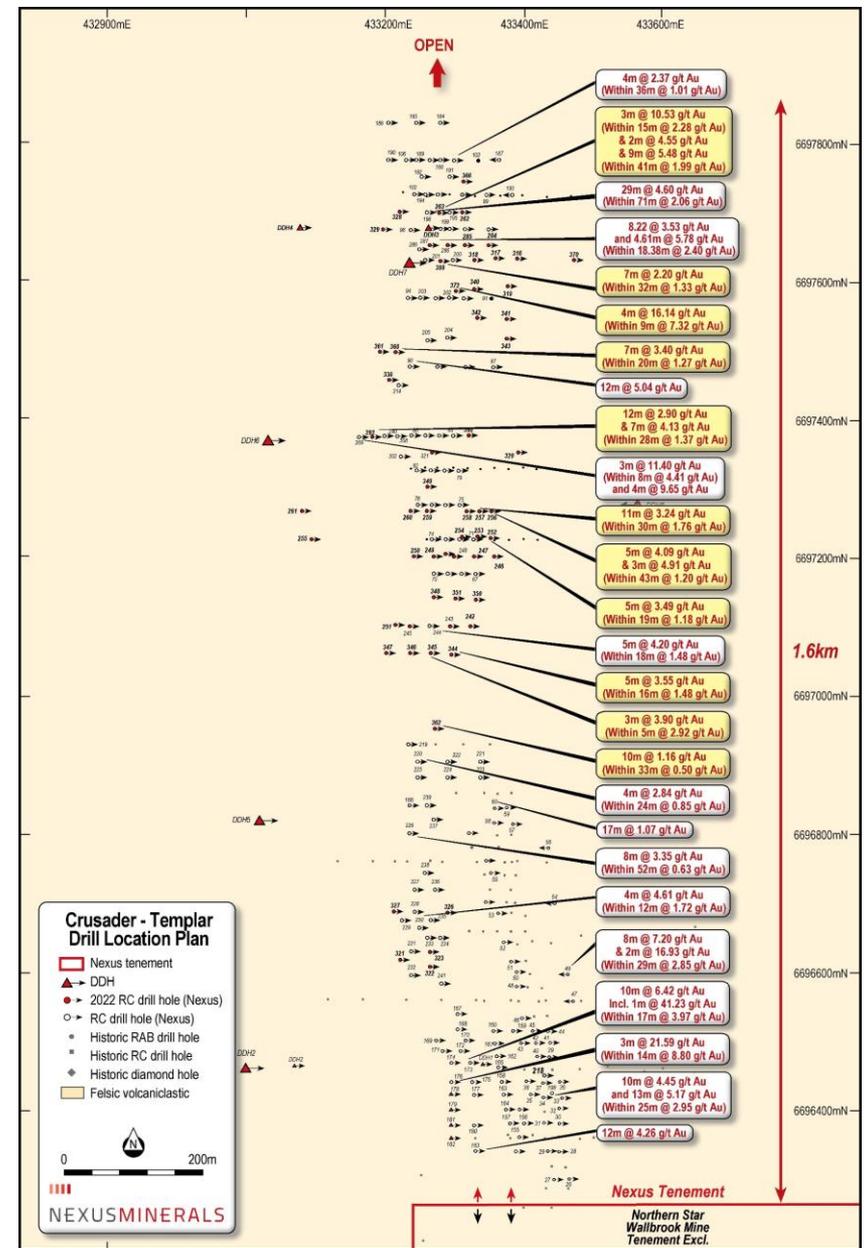
### Multi Million Ounce Gold District – “The Right Rocks”

- Regional gold deposits are located
  - Proximal & Internal porphyry intrusions
  - Within altered intruded host rocks



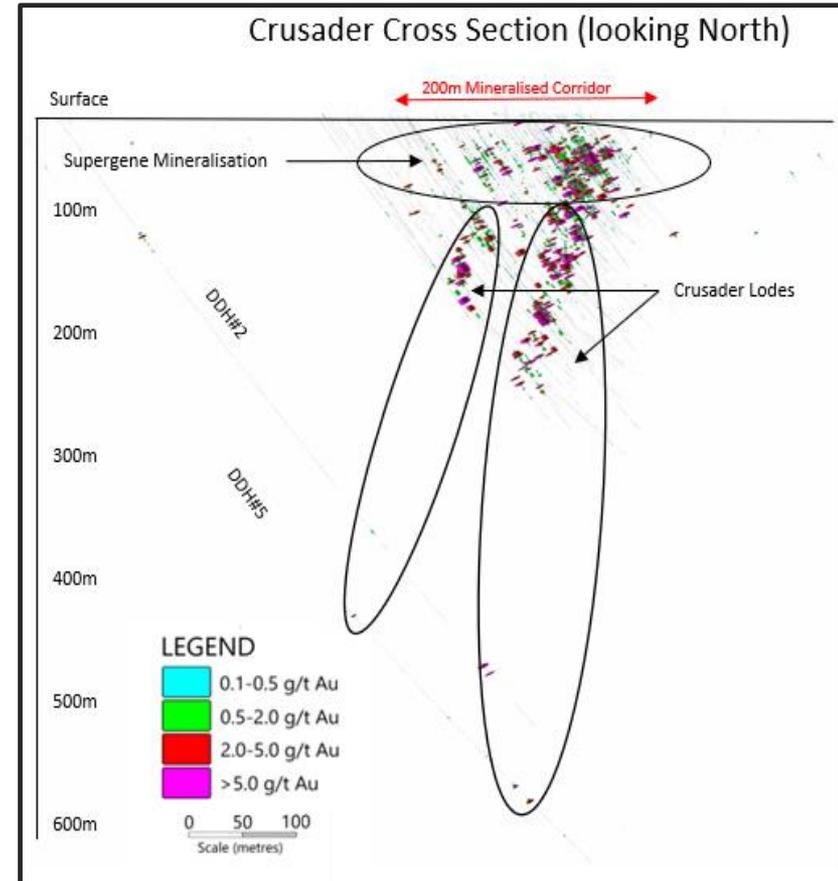
# CRUSADER-TEMPLAR PROSPECT

- Crusader-Templar now joined into one 1.6km strike mineralised corridor
- Mineralisation hosted in quartz porphyry/volcaniclastic units with extensive alteration, silicification and stockwork veining
- Metallurgical testwork all positive – high gold recoveries  
Oxide material 98% / Fresh material 97.6%
- Previous Nexus intercepts include:  
Hole#195: **29m @ 4.60g/t Au** within **71m @ 2.06g/t Au** from 25m  
Hole#198: **10m @ 4.45g/t Au** and **13m @ 5.17 g/t Au**  
within **25m @ 2.95g/t Au** from 109m  
Hole#176: **3m @ 21.59g/t Au** within **14m @ 8.80g/t Au** from 141m  
Hole#183: **12m @ 4.26g/t Au** from 198m  
Hole#309: **3m @ 11.40g/t Au** within **8m @ 4.41 g/t Au** from 252m  
and **4m @ 9.65 g/t Au** from 274m



# CRUSADER-TEMPLAR PROSPECT RECENT RESULTS

- Near surface to <100m oxide levels as seen in:  
Hole#256: **5m @ 4.09/t Au** within **43m @ 1.20 g/t Au** from 20m  
Hole#360: **7m @ 3.40g/t Au** within **20m @ 1.27g/t Au** from 28m
- Transition levels at ~100 meters as seen in:  
Hole#263: **9m @ 5.48g/t Au** within **41m @ 1.99g/t Au** from 92m  
Hole#257: **11m @ 3.24g/t Au** within **30m @ 1.76g/t Au** from 97m
- Deeper primary levels beyond 200m depth as seen in:  
Hole#372: **4m @ 16.14g/t Au** within **9m @ 7.32g/t Au** from 203m  
Hole#393: **7m @ 4.13g/t Au** within **12m @ 2.90g/t Au** from 245m





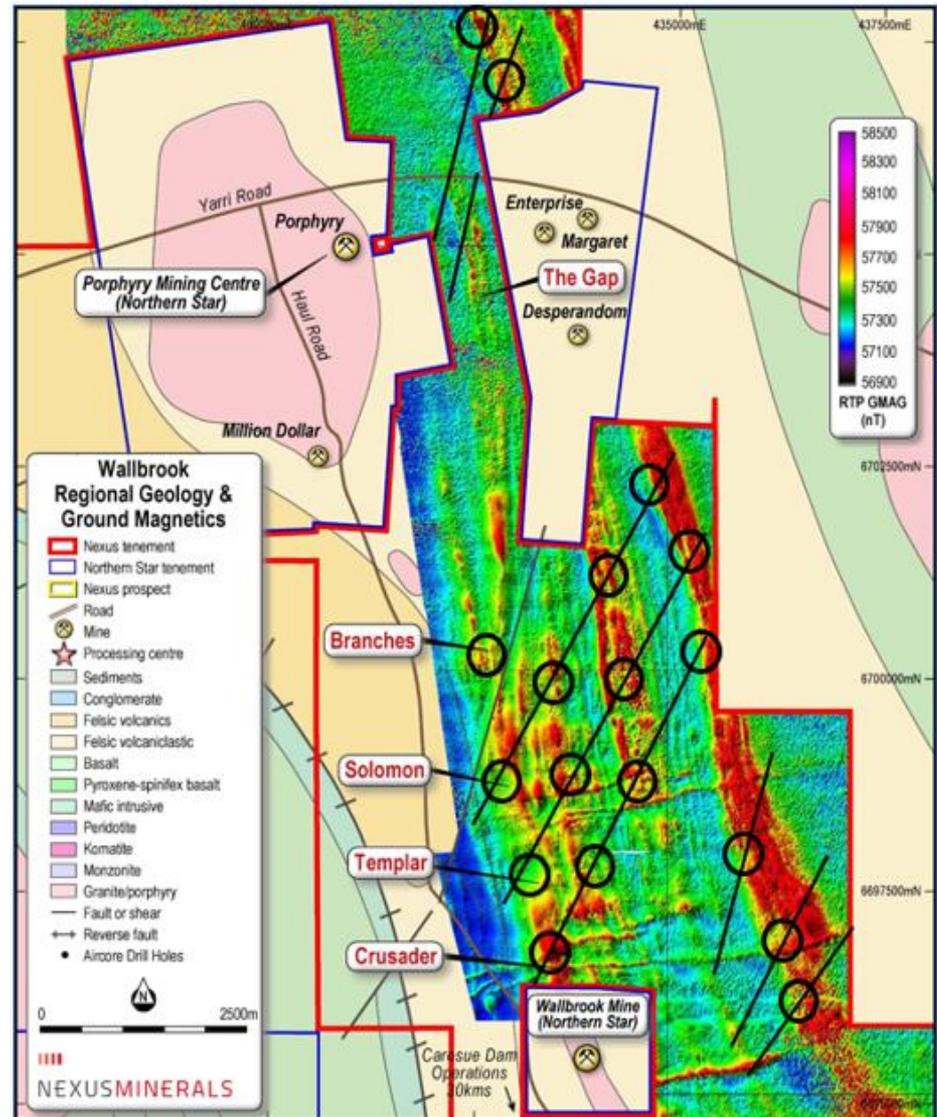
# REGIONAL EXPLORATION

## Mineralisation is associated with:

- Gravity Low Corridor
- Magnetic Low (within Magnetic High)
- Northeast Structures

## Exploration Underway

- Gravity Survey
  - over eastern magnetic corridors
  - 50% complete of 95km<sup>2</sup> program
- Solomon Prospect
  - No previous drilling
  - 17 RC holes for 3,812m
  - Results pending
- Branches Prospect
  - 19 RC holes for 4,094m
  - Results pending
  - To follow up previous Nexus drilling incl:
    - 8m @ 7.59g/t Au within 25m @ 2.86g/t Au
    - 3m @ 4.96g/t Au within 20m @ 1.00g/t Au



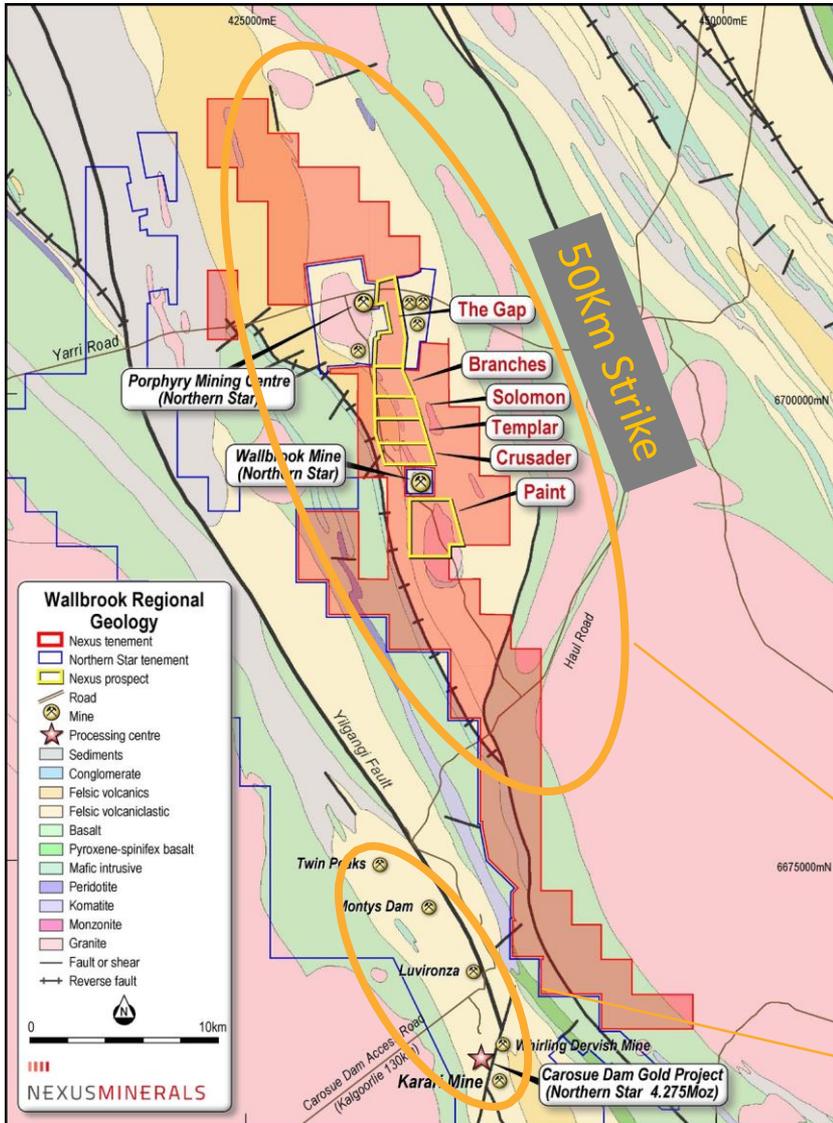
# PLANNED EXPLORATION ACTIVITIES

- Historic data compilation across 250km<sup>2</sup> tenure
- Exploration strategy development
- Geological - Alteration - Structural mapping
- Modelling of 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 Stars' *'Corridor of Riches'*  
Mineral Resources >4 Moz Gold - and Growing





# COMPANY PROJECTS

## BETHANGA PORPHYRY Cu-Au PROJECT

VICTORIA

### TARGETING = LARGE SCALE PORPHYRY Cu-Au SYSTEM

- Exploration Tenements cover 194km<sup>2</sup>
- 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 recognised 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

### Completed

- ✓ Project owned 100% Nexus Minerals
- ✓ Regional soil sampling program
- ✓ Regional geological mapping and litho-geochemical sampling
- ✓ Re-process and 3D inversion of regional aeromagnetic data

### Underway

- Detailed soil sampling program
- Detailed geological mapping and litho-geochemical sampling
- Ground magnetic survey



# NEXUS 2022 EXPLORATION PROGRAM

		Apr 2022	May 2022	Jun 2022	Jul 2022	Aug 2022	Sept 2022	
WALLBROOK	Crusader	20,000m RC program			Follow up RC Drill program			
			20,000m RC Drilling Results			Follow up RC Drill Results		
		3,000m Diamond Drill program						
					3,000m Diamond Drill Results			
	Templar	20,000m RC program			Follow up RC Drill program			
			20,000m RC Drilling Results			Follow up RC Drill Results		
		3,000m Diamond Drill program						
					3,000m Diamond Drill Results			
	Regional	Solomon 3,812m RC Drill Results		Follow up RC Drill Program				
		Branches 4,094m RC Drill Results		Follow up RC Drill Program				
		Regional Gravity Survey		Gravity Processing and Interpretation				
						Regional Target Drill Testing		
BETHANGA	Porphyry Cu-Au Fertility Assessment							
	Detailed Soil Survey					Data Interpretation		
			Ground Magnetic Survey					

# SUMMARY

## WESTERN AUSTRALIA

- Highly prospective and strategic landholding
- Significant Crusader-Templar discovery in 2021
- Major drill program underway with 3 RC and 2 Diamond drill rigs on site
- Active gold explorer in multi million-ounce Au region – largely underexplored landholding

## VICTORIA

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

- *Quality Projects*
- *'The Right Rocks'*
- *Professional and Experienced Management Team*
- *Well Funded \$17 Million Cash on Hand*

## THANK YOU

For further information please contact:

**Mr Andy Tudor**

Managing Director

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**Website:** [nexus-minerals.com](http://nexus-minerals.com)

**NEXUS MINERALS LIMITED**

**ASX:** NXM

**ABN:** 96 122 074 006

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West Perth WA 6872



# SUMMARY APPENDIX 1 JORC TABLES

## 2019 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	-	-	-	-	-	-	<u>2,167,000</u>	<u>1.22</u>	<u>85,000</u>	

## 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)
<b>NST ATTRIBUTABLE INCLUSIVE OF RESERVE</b>												
<b>CAROSUE DAM GOLD PROJECT</b>												
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
<b>Sub-Total Carosue Dam</b>	<b>12,857</b>	<b>2.0</b>	<b>838</b>	<b>38,238</b>	<b>2.0</b>	<b>2,463</b>	<b>16,253</b>	<b>2.0</b>	<b>975</b>	<b>67,348</b>	<b>2.0</b>	<b>4,275</b>

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