



# NEXUSMINERALS



**Proactive Webinar Presentation  
October 2021**

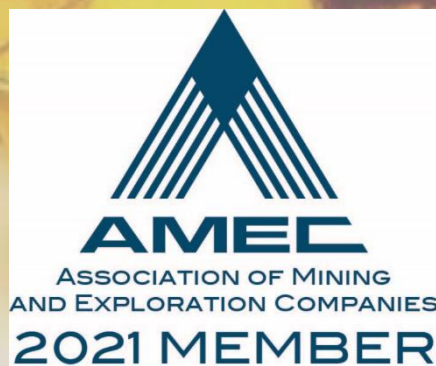
# COMPANY SNAPSHOT

## CORPORATE OVERVIEW

<b>Nexus Minerals Limited</b>	ASX: NXM
<b>Shares</b>	246 million
<b>Share Price</b>	A\$0.43
<b>Market Cap</b>	A\$106m
<b>Cash (30/6/2021)</b>	A\$9.0m
<b>Enterprise Value</b>	A\$97m
<b>Top 20</b>	29%

## BOARD AND MANAGEMENT

<b>Chairman</b>	Mr Paul Boyatzis
<b>Managing Director</b>	Mr Andy Tudor
<b>Non - Executive Director</b>	Dr Mark Elliott
<b>Non - Executive Director</b>	Mr Bruce Maluish
<b>Company Secretary</b>	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

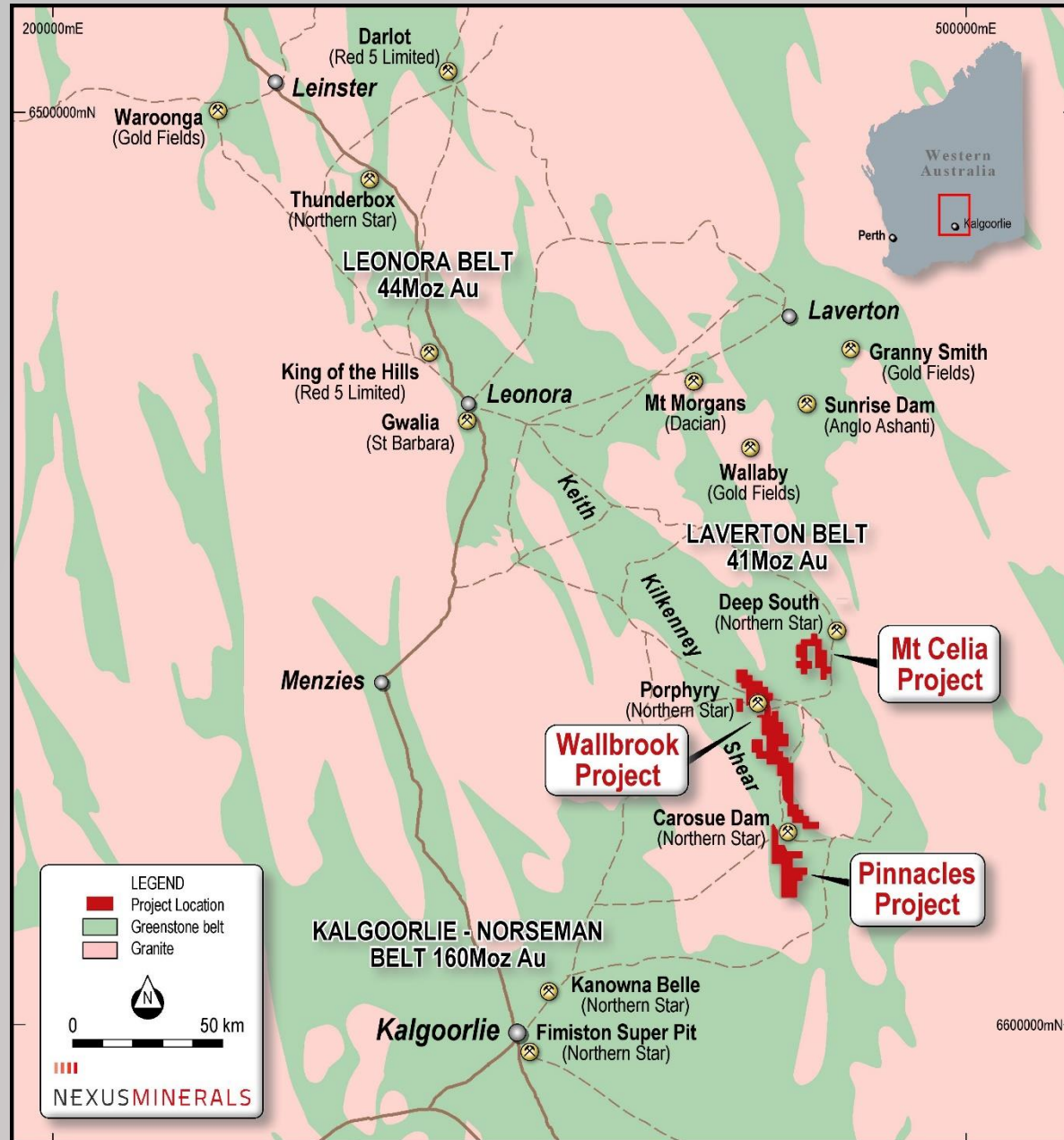
- Wallbrook Gold Project – 250km<sup>2</sup>
- Pinnacles Gold Project – 125km<sup>2</sup> JV with Northern Star (ASX:NST)
- Mt Celia Gold Project

#### Victoria Porphyry Cu-Au

- Bethanga Porphyry Cu-Au – 194km<sup>2</sup>

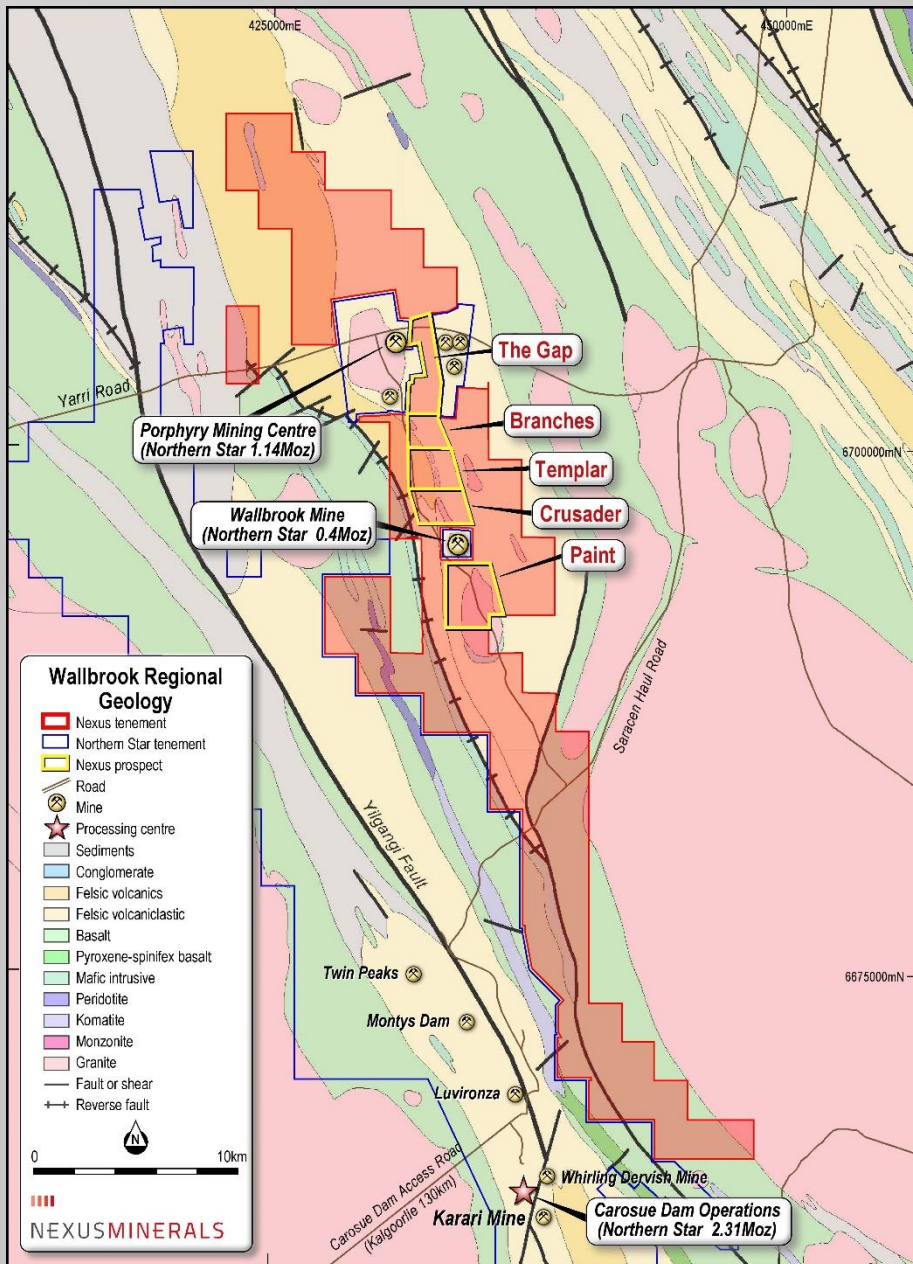


# PROJECT LOCATIONS – EASTERN GOLDFIELDS



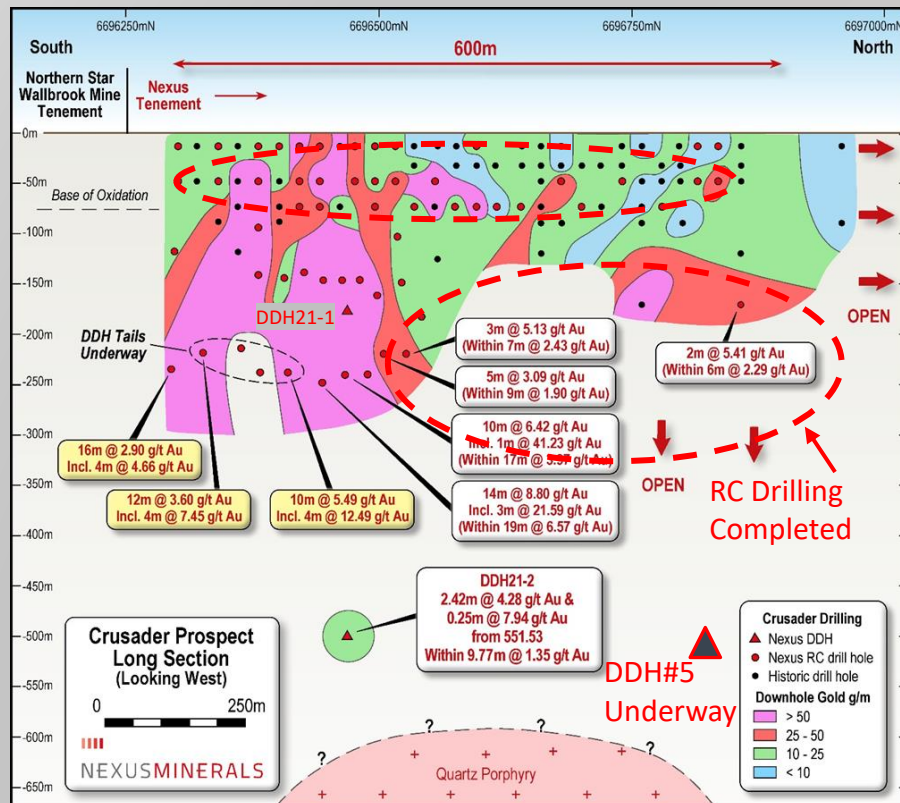


# WALLBROOK GOLD PROJECT



- 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
- 250km<sup>2</sup> 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 PROSPECT



Hole ID	Easting	Northing	mRL	Azimuth	Dip	EOH (m)	From(m)	To (m)	Interval (m)	g/t Au
NMWBR21-166	433251	6696835	375	93	-61	312	193	199	6	2.29
					inc.		193	195	2	5.41
NMWBR21-168	433299	6696519	376	89	-60	330	221	228	7	2.43
					inc.		221	224	3	5.13
							238	242	4	1.88
							238	240	2	3.67
NMWBR21-169	433281	6696499	376	90	-61	354	238	247	9	1.90
					inc.		240	245	5	3.09
NMWBR21-172	433336	6696479	377	87	-61	235	188	206	18	1.08
					inc.		188	189	1	2.35
NMWBR21-173	433343	6696461	377	89	-61	245	101	111	10	1.91
							182	199	17	3.97
					inc.		182	192	10	6.42
					inc.		191	192	1	41.23
NMWBR21-174	433303	6696460	377	90	-60	294	144	168	24	1.32
					inc.		152	160	8	3.51
NMWBR21-176	433313	6696441	377	90	-60	258	141	159	18	6.99
					inc.		141	155	14	8.80
					inc.		149	152	3	21.59
							236	246	10	1.44
					inc.		242	244	2	5.15

- Crusader JORC 2012 Combined Mineral Resource;
  - 2.17Mt @ 1.22g/t Au for 85,000 ounces (surface – 100m)
- Deeper drilling beneath existing Crusader resource intersects high-grade broad mineralised zone;
- High grade core extends to depth and remains open over 1.6km of strike – now linking with Templar Prospect;
- Mineralisation hosted in silicified quartz porphyry unit with extensive alteration and stockwork veining

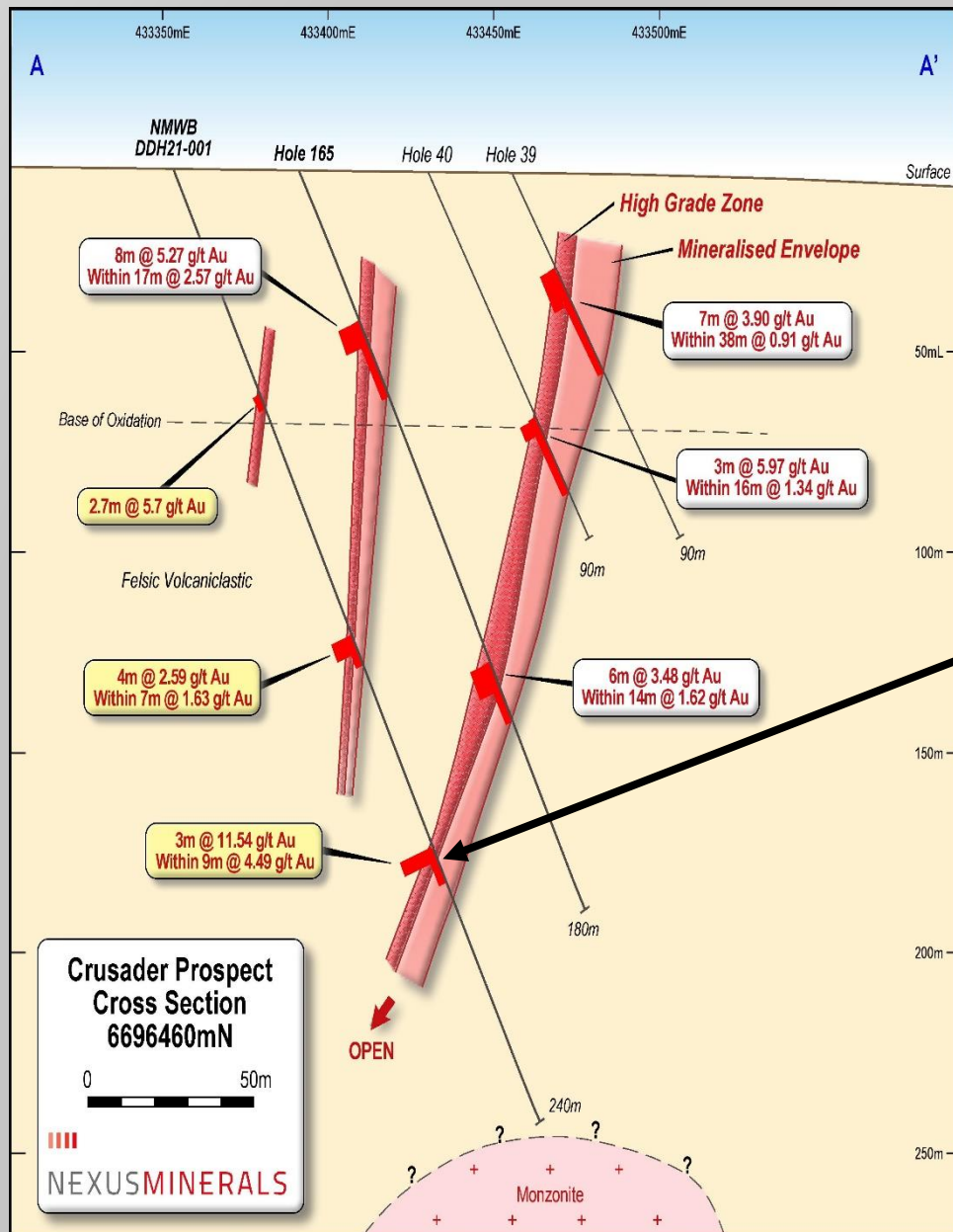
**The same host rocks as the multi million-ounce Northern Star Karari Gold Mine – 30km to the south**

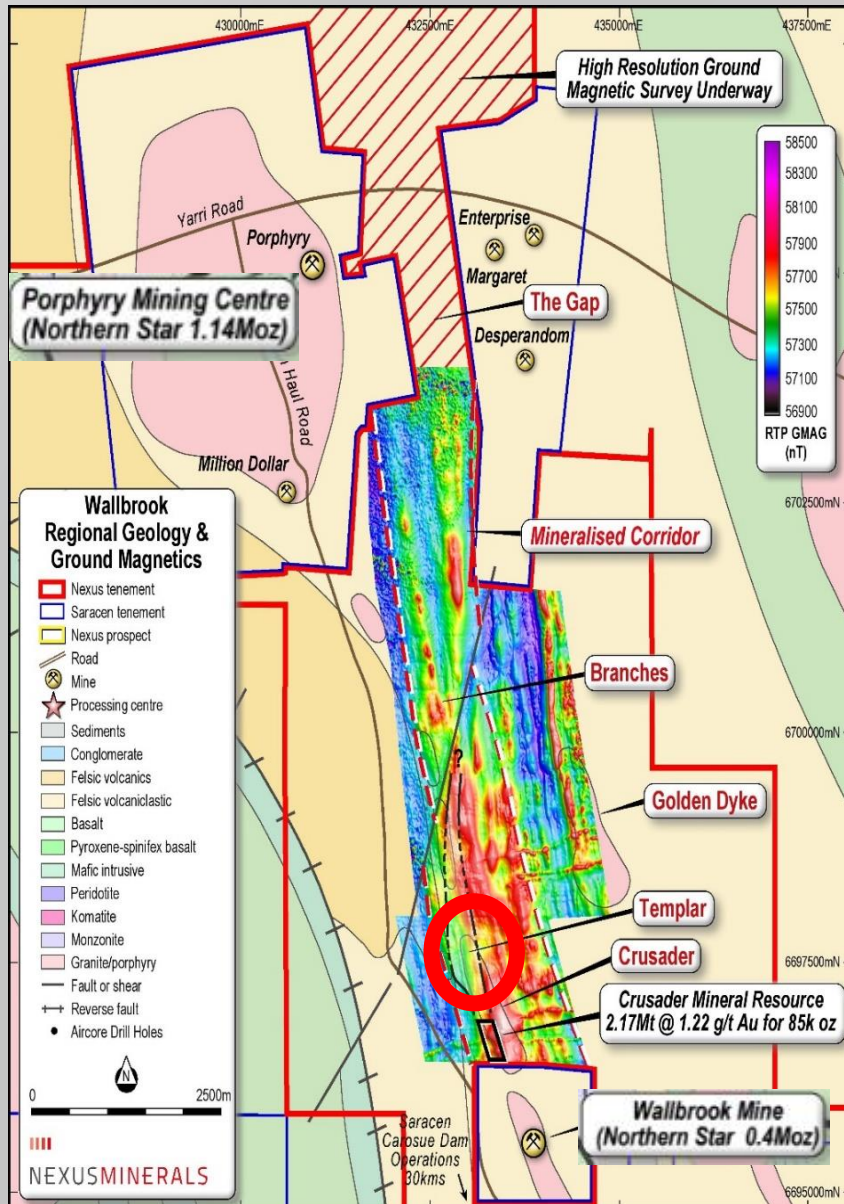
- Results from first two diamond drill holes;
  - ✓ DDH21-1 3m @ 11.54g/t Au within 9m @ 4.49g/t Au (from 159m)
  - ✓ DDH21-2 2.42m @ 4.28g/t Au within 9.77m @ 1.35g/t Au (from 550m)
  - ✓ Hosted in Hematite Altered & Silicified Qtz Porphyry
- 5,477m RC drilling at Crusader recently completed
- DDH#5 – 850m hole underway

Hole ID	Easting	Northing	mRL	Azimuth	Dip	EOH (m)	From(m)	To (m)	Interval (m)	g/t Au
NMWBR21-177	433358	6696420	377	91	-59	228	180	200	20	0.97
					inc.		180	184	4	2.97
NMWBR21-178	433318	6696420	377	91	-60	234	224	234 (EOH)	10	5.49
					inc.		228	232	4	12.49
NMWBR21-180	433352	6696381	377	92	-60	252	212	232	20	1.19
					inc.		216	220	4	2.88
NMWBR21-182	433309	6696362	377	90	-60	258	176	204	28	1.99
					inc.		184	196	12	3.60
					inc.		184	188	4	7.45
NMWBR21-183	433361	6696339	378	90	-60	252	196	212	16	2.90
					inc.		204	208	4	4.66



# CRUSADER PROSPECT





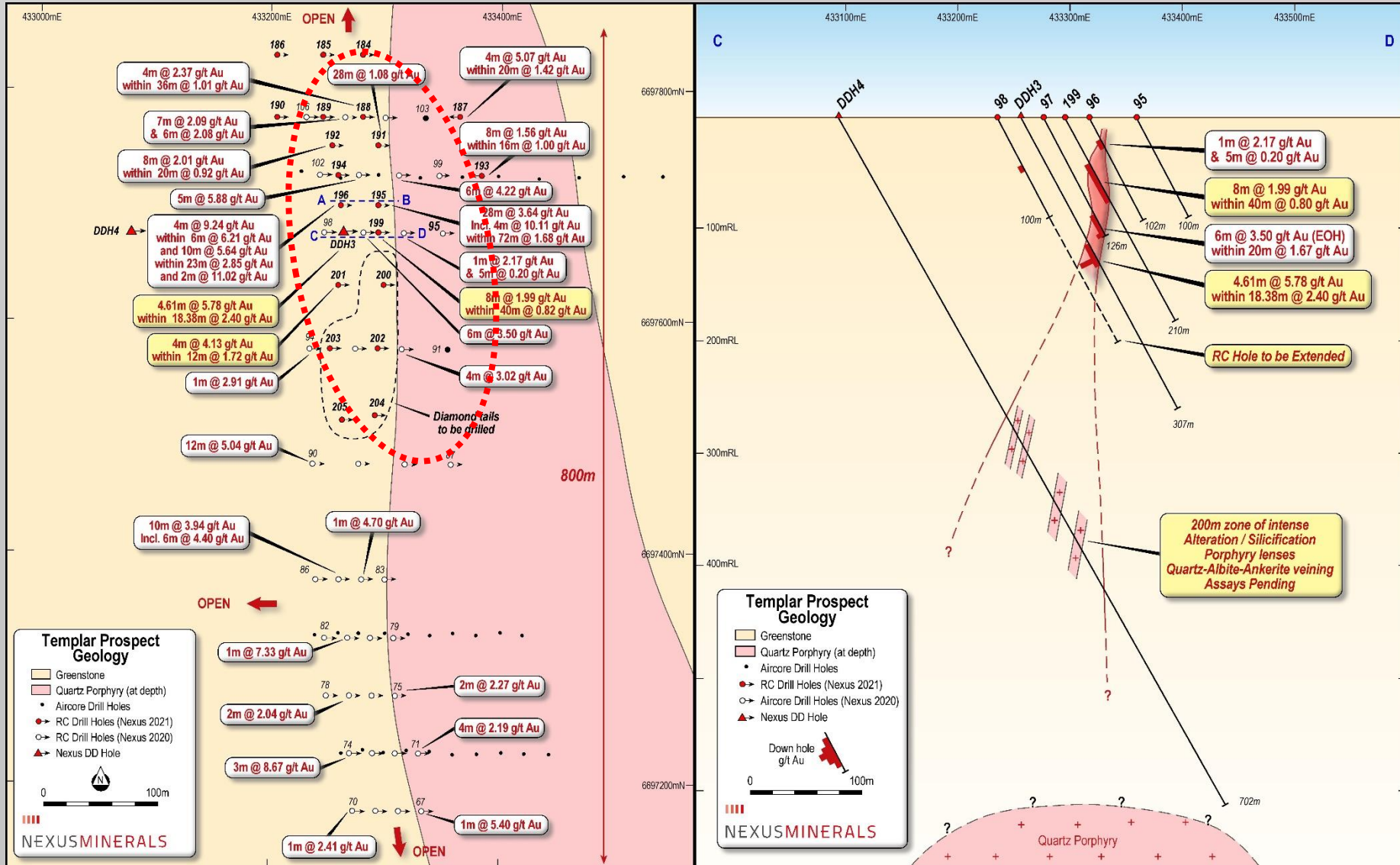
- Templar drill results – point to significant new discovery
- Drilling intersects broad and high-grade gold
- Mineralisation style same as Crusader prospect – 1.6km south (and Karari Gold Mine 30km south)
- DDH #3 and DDH #4 results “link” Crusader and Templar Prospects to the Karari Gold Mine
- DDH #3 Results received:
  - ❑ 4.61m @ 5.78g/t Au (within 18.38m @ 2.40g/t Au)
- DDH#4 now completed - 702m EOH
  - ❑ Over 200m of Intense Alteration intersected
  - ❑ Samples submitted for assay

## “The Right Rocks”

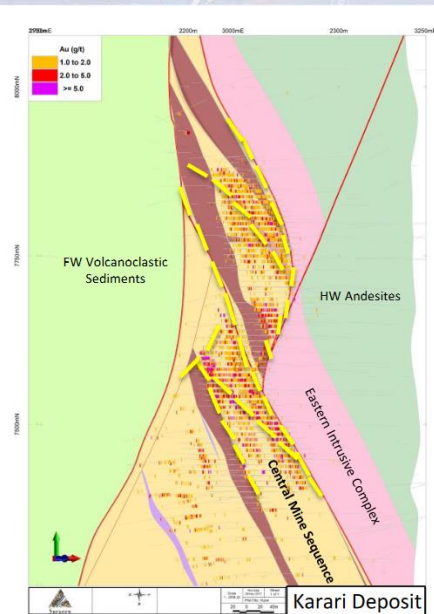
- Crusader - Templar mineralised corridor now extends over 1.6km of strike
- Strike length only limited by the extent of Nexus drilling
- No previous drilling exists for a further 4km+ strike north



# TEMPLAR PROSPECT



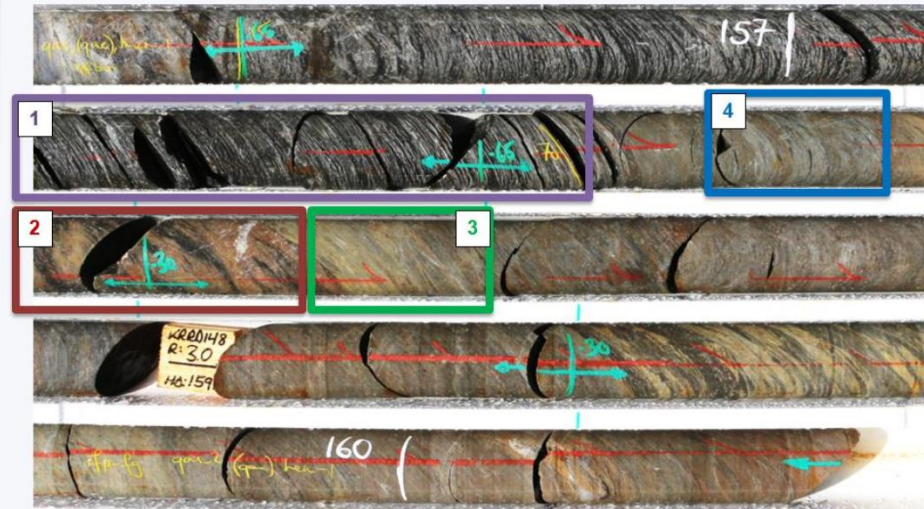
## Carosue Dam - Geology



Strain partitioning and rheology contrasts are key mineralisation controls. Provides a key focus for alteration and grade

### Alteration:

1. Ductile biotitic shear zones
2. Sodic alteration overprint
3. Qtz-alb-ank/dolom overprint of biotite
4. Qtz-alb-ank/dol veining



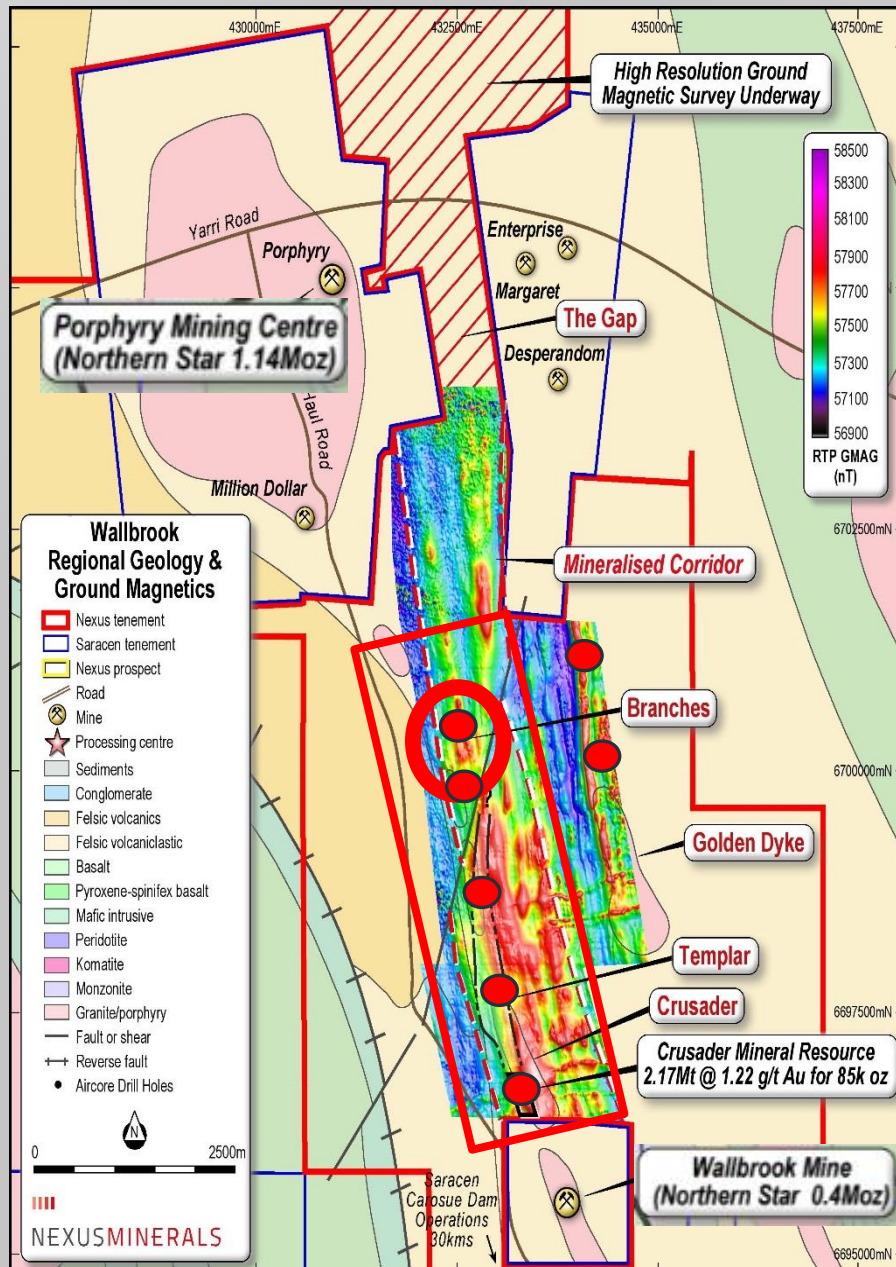
### DDH#3 – 18.38m@2.40g/t Au



### DDH#4 – 200m+ Alteration





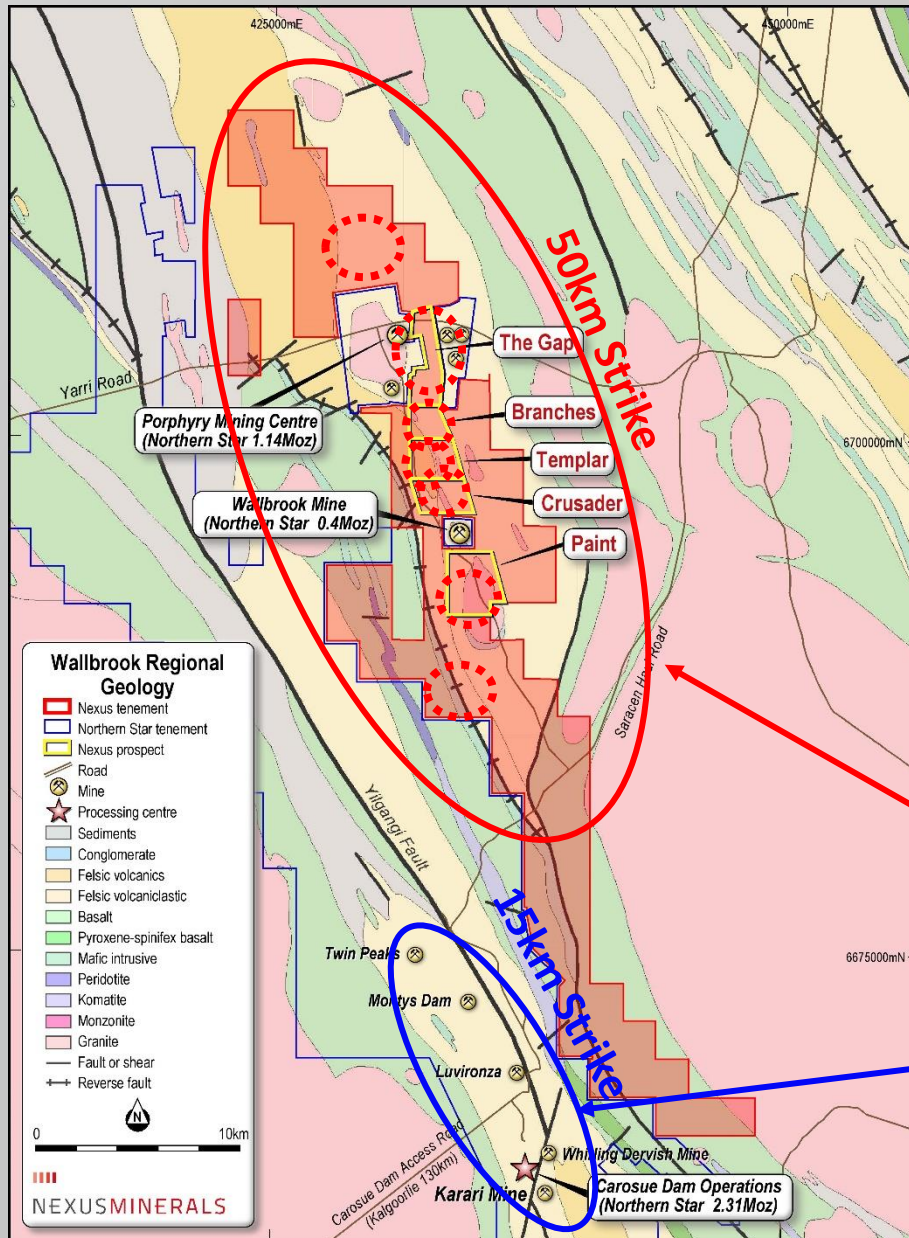


## Regional Exploration

### Branches Prospect

- First pass shallow RC drilling confirms broad mineralised zone with high-grades
- ALL 35 RC drillholes 2020 intersected mineralisation
- Mineralisation extends over 400m strike and remains open in all directions
- Mineralisation associated with a highly sheared and altered quartz porphyry unit
- Branches Prospect RC drill assay results 2020:
  - 25m @ 2.86g/t Au from 43m
    - Incl. 8m @ 7.59g/t Au
    - Incl. 1m @ 47.45g/t Au
  - 13m @ 1.64g/t Au from 35m
    - Incl. 1m @ 9.35g/t Au
    - and 2m @ 4.02g/t Au
- ☐ Regional Gravity Survey coverage completed has identified a Gravity Low Corridor
- ☒ Regional Ground Magnetic coverage is successfully identifying Mag Lows (zones of Mag Destruction)
- **Gravity Low + Magnetic Low = Mineralised Fluid Flow**





## Planned Exploration Activities

- Historic data compilation across 250km<sup>2</sup> 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

 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)

## 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 \$9m million Cash on Hand

## Contact:

Mr Andy Tudor  
Managing Director  
[andy.tudor@nexus-minerals.com](mailto: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](http://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	-	-	-	-	-	-	<u>2,167,000</u>	<u>1.22</u>	<u>85,000</u>	

### Pinnacles Combined JORC 2012 Mineral Resource Estimate

Cut-off grade (g/t)	Category		Tonnes (Kt)	Grade (g/t)	Metal (Koz)
0.5	O/P	Indicated	140	2.6	11
		Inferred	19	1.6	1
		Sub total	159	2.4	12
1.0	U/G	Indicated	170	5.6	30
		Inferred	280	4.0	36
		Sub total	450	4.6	66
Grand total			609	4.0	78

### Northern Star Ltd 2021 CDO Combined JORC 2012 Mineral Resource Statement

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

### Northern Star Ltd 2021 CDO Combined JORC 2012 Mineral Reserve Statement

CAROSUE DAM PROJECT										
	Surface	1,323	1.3	56	15,948	1.4	734	17,271	1.4	790
	Underground	-	-	-	10,782	3.0	1,023	10,782	3.0	1,023
Stockpiles		734	1.5	34	-	-	-	734	1.5	34
Gold in Circuit		-	-	7	-	-	-	-	-	7
Sub-Total Carosue Dam		2,056	1.5	97	26,731	2.0	1,757	28,787	2.0	1,855



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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](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, 5/10/2021 and 11/10/2021.
- 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.