



QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 30 SEPTEMBER 2019

ASX: NXM

Capital Structure

Shares on Issue 118 million
Options 8.9 million
Cash on Hand \$2.895million
(30/09/2019)

Corporate Directory

Mr Paul Boyatzis
Non-Executive Chairman

Mr Andy Tudor
Managing Director

Dr Mark Elliott
Non-Executive Director

Mr Bruce Maluish
Non-Executive Director

Mr Phillip Macleod
Company Secretary

Company GOLD Projects

Wallbrook Project

Pinnacles Project

Pinnacles JV Project
(with Saracen Gold Mines)

Triumph Project

Mt Celia Project

HIGHLIGHTS

Wallbrook Gold Project

- ❖ Nexus completed first pass aircore drill program on two prospect areas - Crusader and Templar - within its highly prospective 250km² Wallbrook Gold Project;
- ❖ The 91 hole / 4,375m aircore program successfully intersected high grade gold mineralisation in the Crusader – Templar corridor. Results include:
 - Hole #19 - 3m @ 8.37g/t Au (eoh)
 - Incl 1m @ 24.43g/t Au (eoh)
 - Hole #35 - 18m @ 1.40g/t Au
 - Incl 4m @ 6.46g/t Au
 - Hole #17 - 26m @ 1.02g/t Au
 - Incl 4m @ 5.03g/t Au
 - Hole #36 - 8m @ 1.72g/t Au
 - Incl 3m @ 3.27g/t Au (eoh)
 - Incl 1m @ 7.23g/t Au (eoh)
 - Hole #14 - 4m @ 2.23g/t Au
- ❖ Six broad spaced aircore lines extend some 3km north beyond the Crusader resource area;
- ❖ Positive drill results confirm use of gravity and high-resolution ground magnetic surveys for drill targeting;
- ❖ High resolution ground magnetics survey underway covering prospective corridor to the north of Templar;
- ❖ Mine studies commenced at Crusader resource area to determine potential for establishing initial open cut pit.

During the quarter ended 30 September 2019, Eastern goldfields explorer **Nexus Minerals Limited (ASX: NXM) (Nexus or the Company)** completed a 91 hole / 4,375m aircore drill program, on its 100% owned Wallbrook project in the eastern goldfields of Western Australia. The drilling was undertaken on high priority drill targets, within the Crusader and Templar Prospects.



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Nexus has also commenced mine studies at the Crusader mineral resource area, currently containing 85,000 ounces gold, with the aim of determining the potential for a stage 1 starter pit, and subsequent staged open cut pit development options (refer announcement 8 July 2019).

In addition, ground-based exploration activities including a high-resolution ground magnetics survey, geological mapping and sampling, continues across the larger Wallbrook Gold Project tenement package. The Wallbrook project covers some 250km² of prospective geological terrain considered highly prospective for the discovery of significant gold mineralisation.

The aim of this first pass aircore drill program was to drill six broad spaced lines, up to 1km apart, across the mineralised corridor, where no previous drilling has been undertaken, in an attempt to delineate a mineralised envelope within the broader mineralised corridor. This 4,375m aircore drill program has effectively tested and confirmed the continuation of the mineralised envelope hosting the Crusader style mineralisation, for a further 3km to the north of the Nexus' Crusader resource.

Further aircore drilling is now required to infill the line spacing to ~100m, allowing further delineation of the mineralised envelope, with RC drilling to follow up on the best of the aircore results.

Mineralisation intersected in the aircore drill program is closely associated with a quartz-goethite supergene stockwork in the oxide regolith profile. The stockwork intensity correlates closely with higher gold grades. At the fresh rock interface (end of hole), high-grade mineralisation occurs with quartz sulphide veining within a variably potassic altered volcaniclastic host rock.

Hole ID	Prospect	Easting	Northing	Elevation	Azimuth	Dip	Depth (m)	From (m)	To (m)	Interval (m)	Au (g/t)
NMWBAC19-006	Crusader	433340	6697227	374	90	-60	65	32	40	8	0.58
							incl	32	36	4	1.04
NMWBAC19-007	Crusader	433320	6697228	373	90	-60	60	24	36	12	0.26
								48	60 (EOH)	12	0.33
							incl	59	60 (EOH)	1	1.53
NMWBAC19-014	Crusader	433360	6697329	373	90	-60	60	32	36	4	2.23
NMWBAC19-017	Crusader	433301	6697329	373	90	-60	71	44	70	26	1.02
							incl	44	48	4	5.03
NMWBAC19-018	Crusader	433278	6697329	373	90	-60	60	28	36	8	0.93
							incl	32	36	4	1.76
								44	48	4	0.76
NMWBAC19-019	Crusader	433260	6697329	373	90	-60	63	24	28	4	0.25
								36	40	4	0.14
								60	63	3	8.37
							incl	62	63 (EOH)	1	24.43
NMWBAC19-035	Templar	433329	6697723	372	90	-60	65	32	36	4	0.46
								44	62	18	1.40
							incl	44	48	4	6.46
NMWBAC19-036	Templar	433293	6697725	371	90	-60	51	16	51 (EOH)	35	0.84
							incl	24	32	8	1.72
								48	51 (EOH)	3	3.27
							incl	50	51 (EOH)	1	7.23
NMWBAC19-037	Templar	433260	6697722	371	90	-60	72	0	4	4	0.15
								48	64	16	0.64
							incl	48	52	4	1.19
No more than 4 meters (1 sample) <1g/t Au included in significant intercepts											

Table 1 – Significant Intercepts Drill Results - >1g/t Au

(For table of all results see ASX release 8 October 2019)



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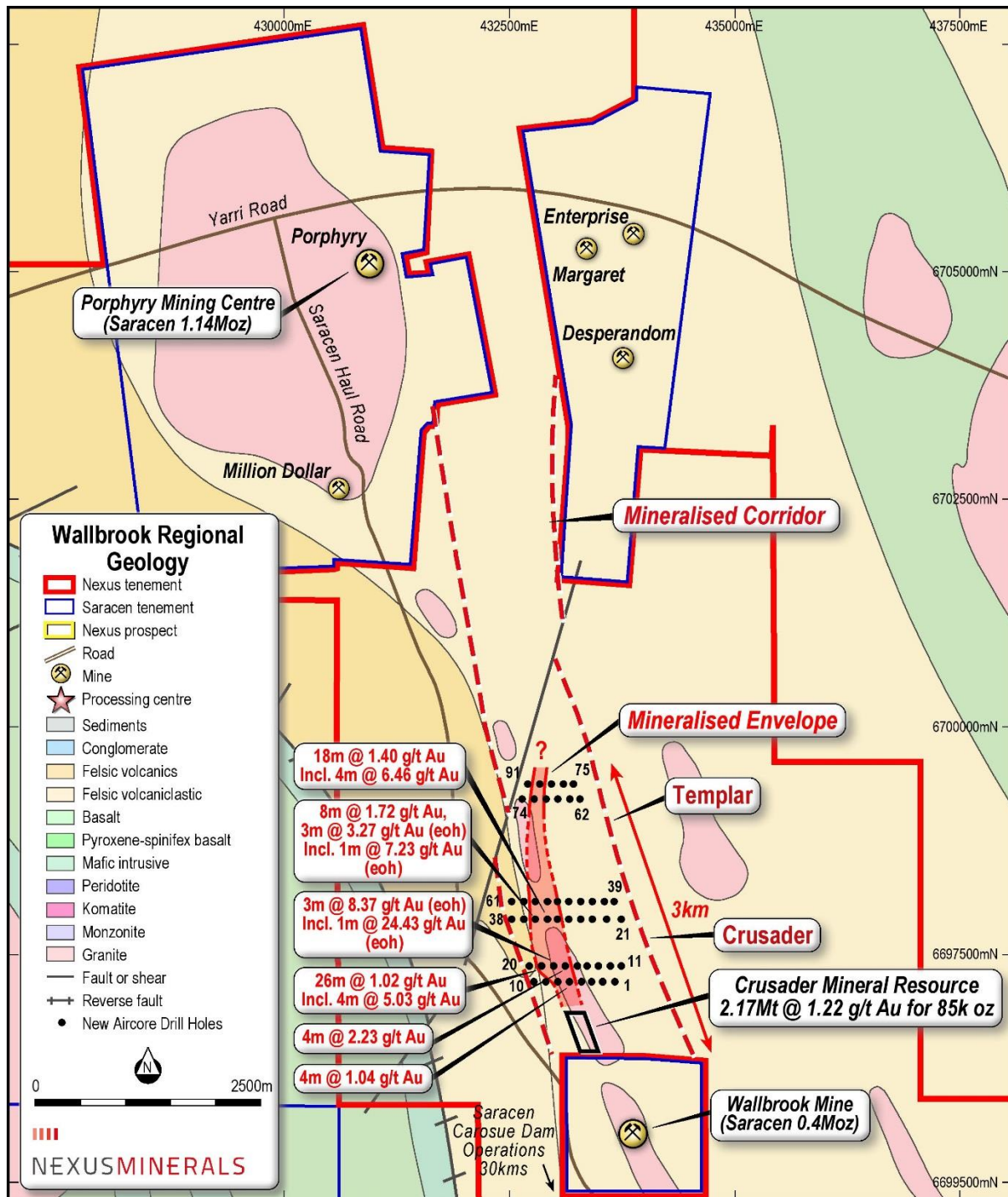


Figure 1: Crusader and Templar Prospects with Aircore Lines (over geology)
(Mineralised Envelope >0.1g/t Au)



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The high-resolution ground magnetics survey effectively maps the zone of hydrothermal alteration (seen as magnetic highs in red on image below) of the host rocks and potential associated gold mineralisation. It also shows areas of mag lows whereby an overprint event has been magnetite destructive and therefore identifies as an anomalous low within an anomalous high. These areas are also prospective for gold mineralisation. The survey is now moving north through the gap to the north of Saracen Mineral Holdings (ASX:SAR) Porphyry Mining Centre.

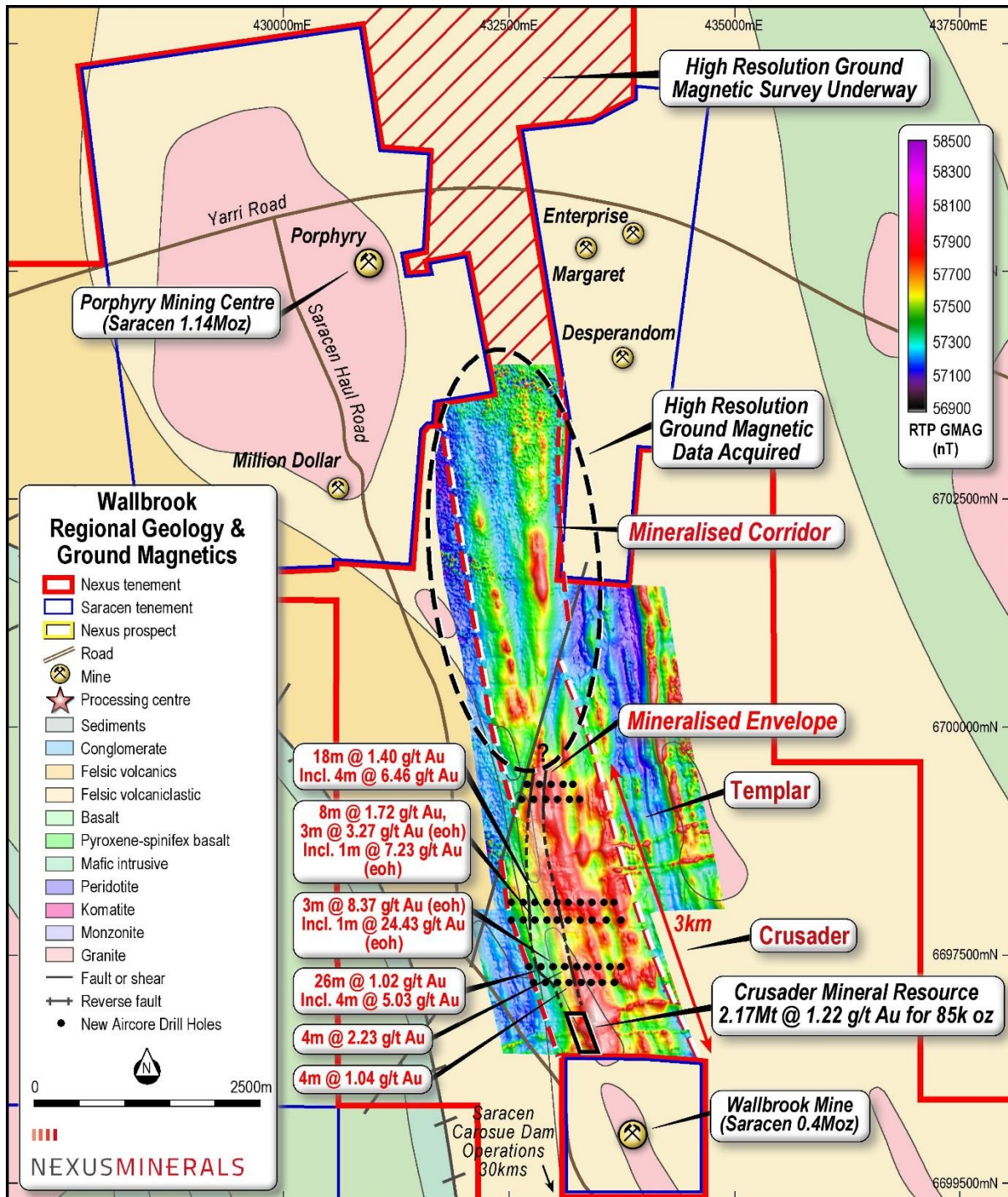


Figure 2: Crusader and Templar Prospects with Aircore Lines (over ground magnetics)

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The Crusader mineralised corridor lies directly above a gravity low, providing an indication of underlying felsic intrusives at depth. The key to exploration along this corridor will be to determine the zones of best developed felsic intrusives, or substantial volcanic domes (being more brittle host rocks), and their intersection with cross-cutting structures. A distinct regional northwest-southeast structural corridor can be seen on the image below, with numerous cross-cutting northeast-southwest structures evident. Detailed gravity surveys will be planned following interpretation of the high-resolution ground magnetics results through the mineralised corridor to the north.

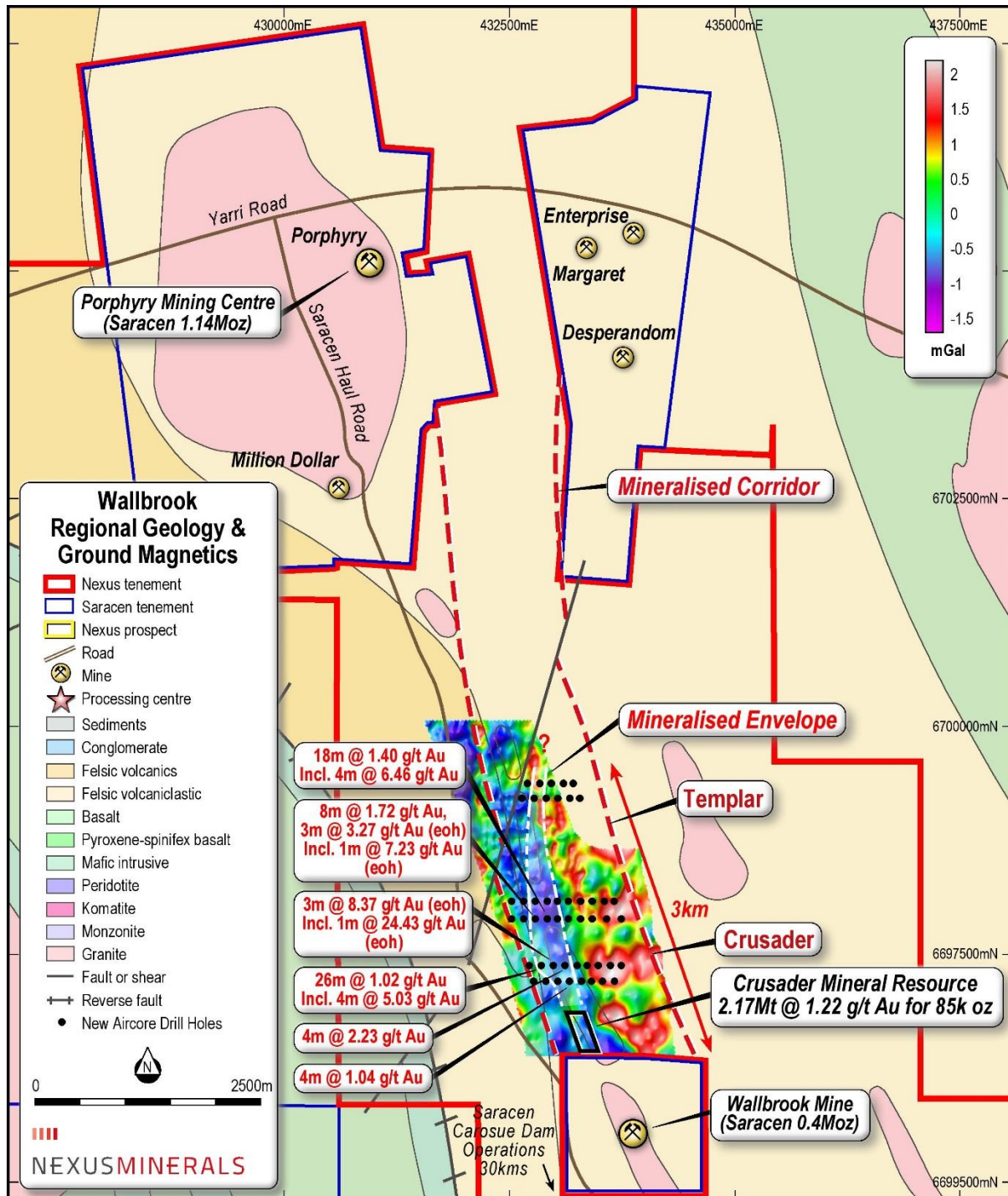


Figure 3: Crusader and Templar Prospects with Aircore Lines (over gravity)



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Pinnacles Gold Project

No field work was undertaken during the quarter.

Triumph Project

Field work commenced during the quarter on the ~140km² tenement package.

Ground geological mapping and ground truthing of aeromagnetic data was undertaken.

Mt Celia Project

No field work was undertaken during the quarter.

December 2019 Quarter – Work Program

During the December 2019 quarter, the Company intends to undertake the following activities:

Wallbrook Gold Project

- Continue to analyze/model Crusader drill data, resource definition drill program planning;
- Follow up regional aircore drill planning through Templar prospect;
- Complete regional high-resolution ground magnetics survey through The Gap prospect;
- Geological and structural mapping; and
- R&D sampling.

Corporate

At the end of the September 2019 quarter, the Company held A\$2.895m cash and equivalents.

During the quarter, Managing Director Andy Tudor met with a number of eastern states brokers, institutions and high net worth individuals. The presentations were well received and provided an update of the Company's activities including the Wallbrook project and other Company projects.

Nexus R&D Project

Nexus is undertaking a Research and Development project, aiming to develop new knowledge on the application of spectral data in the mineral exploration industry. The project involves the experimentation of new exploration and geo-sensing techniques utilizing spectral data.

The experimental activities will attempt to achieve an outcome by applying a systematic progression of work that proceeds from hypothesis to experimental phase (or phases as required), observation and evaluation, leading to logical conclusions. This will result in the generation of new scientific knowledge.

The R&D project is being undertaken on both Nexus' Wallbrook and Pinnacles Gold Projects, where relevant geological and mineralogical characteristics are known or are being characterized by Nexus, which assists in the evaluation of the new exploration technique. Multiple project areas allow for a series of varying geological settings upon which to undertake the experimental activities and gather sufficient samples/datasets to allow logical conclusions to be reached post analysis.

The research and development project will be undertaken over an approximate four-year time line, which commenced July 2017, with the first two-three years mainly consisting of data collection with ongoing analysis and the final year consisting of results-based interpretation and conclusions.



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The drill chip trays from the recent RC drill program at Wallbrook, and those from the upcoming aircore program at Templar, will be analysed using a TerraSpec SWIR unit attached to spectra acquisition software.

About Nexus

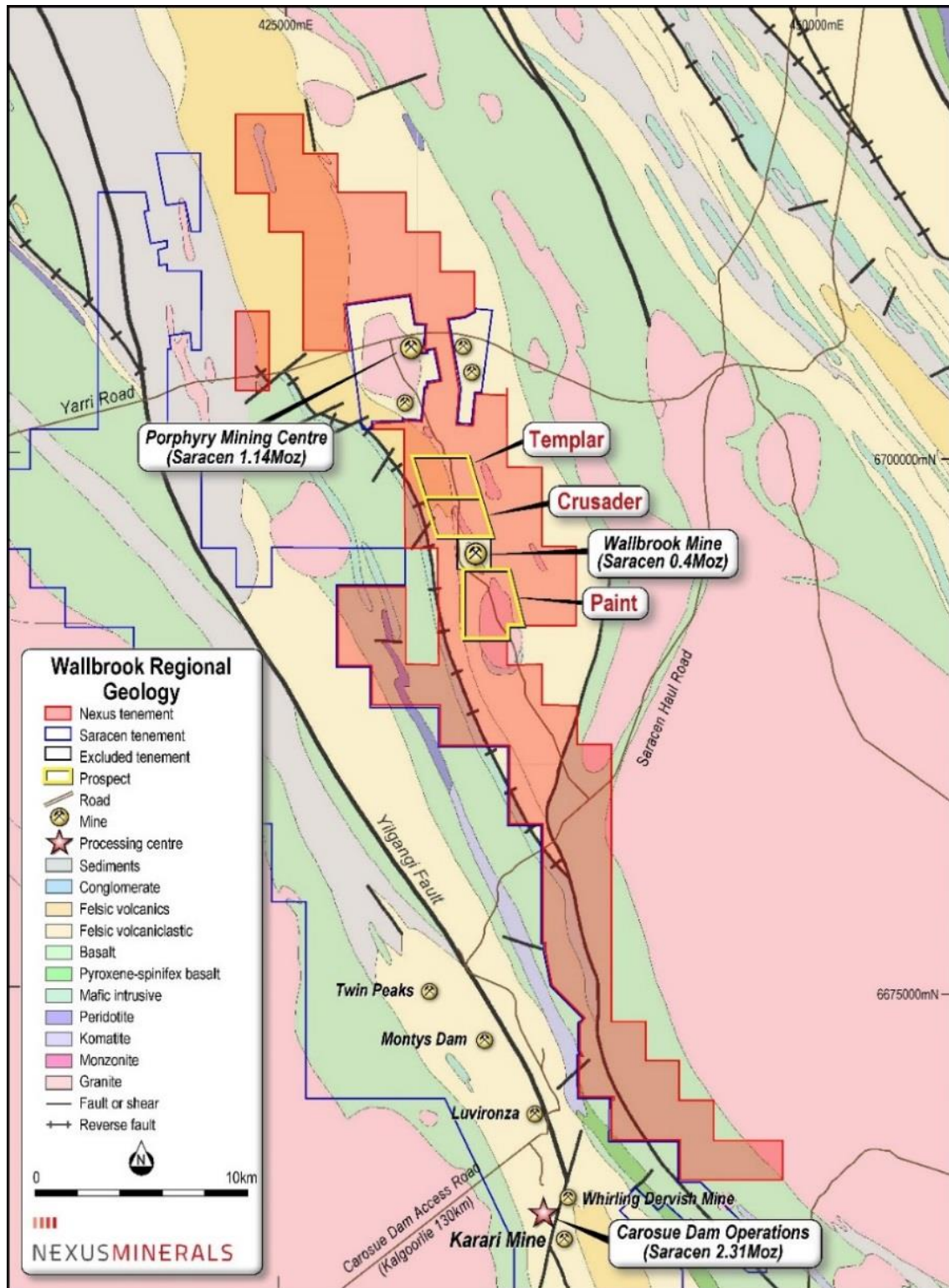


Figure 4: Nexus Wallbrook Project, Eastern Goldfields, WA



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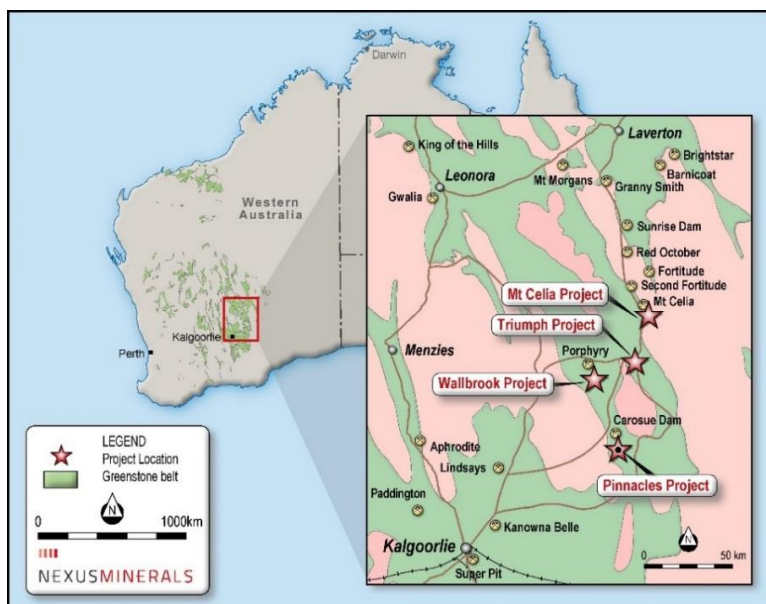


Figure 5: Nexus Project Locations, Eastern Goldfields, WA

Nexus Minerals is a well-funded resource company with a portfolio of gold projects in Western Australia and a well-credentialed Board, assisted by an experienced management team.

Nexus is actively exploring for gold deposits on its highly prospective tenement package in the Eastern Goldfields of Western Australia.

The consolidation of the highly prospective Wallbrook Gold Project (250km²) by the amalgamation of existing Nexus tenements with those acquired from both Saracen Mineral Holdings and Newmont Exploration, will further advance these gold exploration efforts.

Nexus Minerals' tenement package at the Pinnacles Gold Project is largely underexplored and commences less than 5km to the south of, and along strike from, Saracen's >5Moz Carosue Dam mining operations, and current operating Karari underground gold mine. Nexus holds a significant land package (125km²) of highly prospective geological terrane within a major regional structural corridor and is exploring for gold deposits.

Nexus is actively investing in new exploration techniques to refine the targeting approach for their current and future tenements, including the use of spectral data.

- Ends -

Enquiries **Mr Andy Tudor, Managing Director**
 Mr Paul Boyatzis, Non-Executive Chairman

Contact **Phone: 08 9481 1749**
Website www.nexus-minerals.com

ASX Code **NXM**



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SUMMARY OF NEXUS MINERALS LIMITED TENEMENTS

AUSTRALIA	Interest at beginning of Quarter	Interest at end of Quarter
Wallbrook (Gold)		
E31/1160	100%	100%
M31/157	100%	100%
M31/188	100%	100%
M31/190	100%	100%
M31/191	100%	100%
M31/231	100%	100%
M31/251	100%	100%
E31/1107	100%	100%
E31/1108	100%	100%
E31/1118	100%	100%
Pinnacles (Gold)		
M28/243	89% Contributing JV	89% Contributing JV
E28/2526	90%	90%
E28/2487	100%	100%
Triumph (Gold)		
E31/1161	100%	100%
E39/2044	100%	100%
E39/2045	100%	100%
E31/1179	100%	90%
Mt Celia (Gold)		
E39/2025	100%	100%

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 results are available to be viewed on the Company website www.nexus-minerals.com. 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 announcements.

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 Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. Mr James is a full-time employee of Nexus Minerals Limited. 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.

No Ore Reserves have currently been defined on the Pinnacles or Wallbrook tenements. 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 or Wallbrook tenements has yet to be established.