



QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 30 JUNE 2019

ASX: NXM

Capital Structure

Shares on Issue 118 million
Options 8.9 million
Cash on Hand \$3.29million
(30/06/2019)

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

- ❖ **Crusader Prospect Phase 1 JORC 2012 combined mineral resource estimate completed totaling:**

2.17Mt @ 1.22g/t Au for 85,000 ounces contained gold

- ❖ **Mineral resource covers a continuous 600m strike length - open to the north and at depth;**
- ❖ **Substantial exploration upside with the Crusader resource area covering 600m of the >5km strike of the interpreted mineralised corridor;**
- ❖ **54% of the mineral resource estimate within the indicated category;**
- ❖ **Gravity survey and high-resolution ground magnetic survey completed over Crusader and Templar prospects, with interpretation providing compelling drill targets;**
- ❖ **High resolution ground magnetics survey underway covering prospective corridor to the north of Templar.**

During the quarter ended 30 June 2019, Eastern Goldfields explorer **Nexus Minerals Limited (ASX: NXM) (Nexus or the Company)** completed a mineral resource estimate on its Crusader prospect. The estimate is based on results received from Nexus RC drill programs (4,626m) plus RC drilling (4,951m) and diamond drilling (159m) from previous companies. The prospect is part of the Company's 100% owned Wallbrook project in the eastern goldfields of Western Australia.

In addition, ground-based exploration activities across the larger Wallbrook Gold Project tenement package continued. The Wallbrook project covers some 250km² of prospective geological terrain considered highly prospective for the discovery of significant gold mineralisation.



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Wallbrook Project

The Wallbrook Gold Project is considered underexplored and highly prospective for the discovery of significant gold mineralisation. Drilling completed by Nexus to date has demonstrated this prospectivity. Within the Carosue Dam district, approximately 5 million ounces of gold resources are hosted in a similar geological setting to that underlying the Nexus tenement holding (see Saracen Annual Report 2018 – Mineral Resources and Ore Reserve Statement).

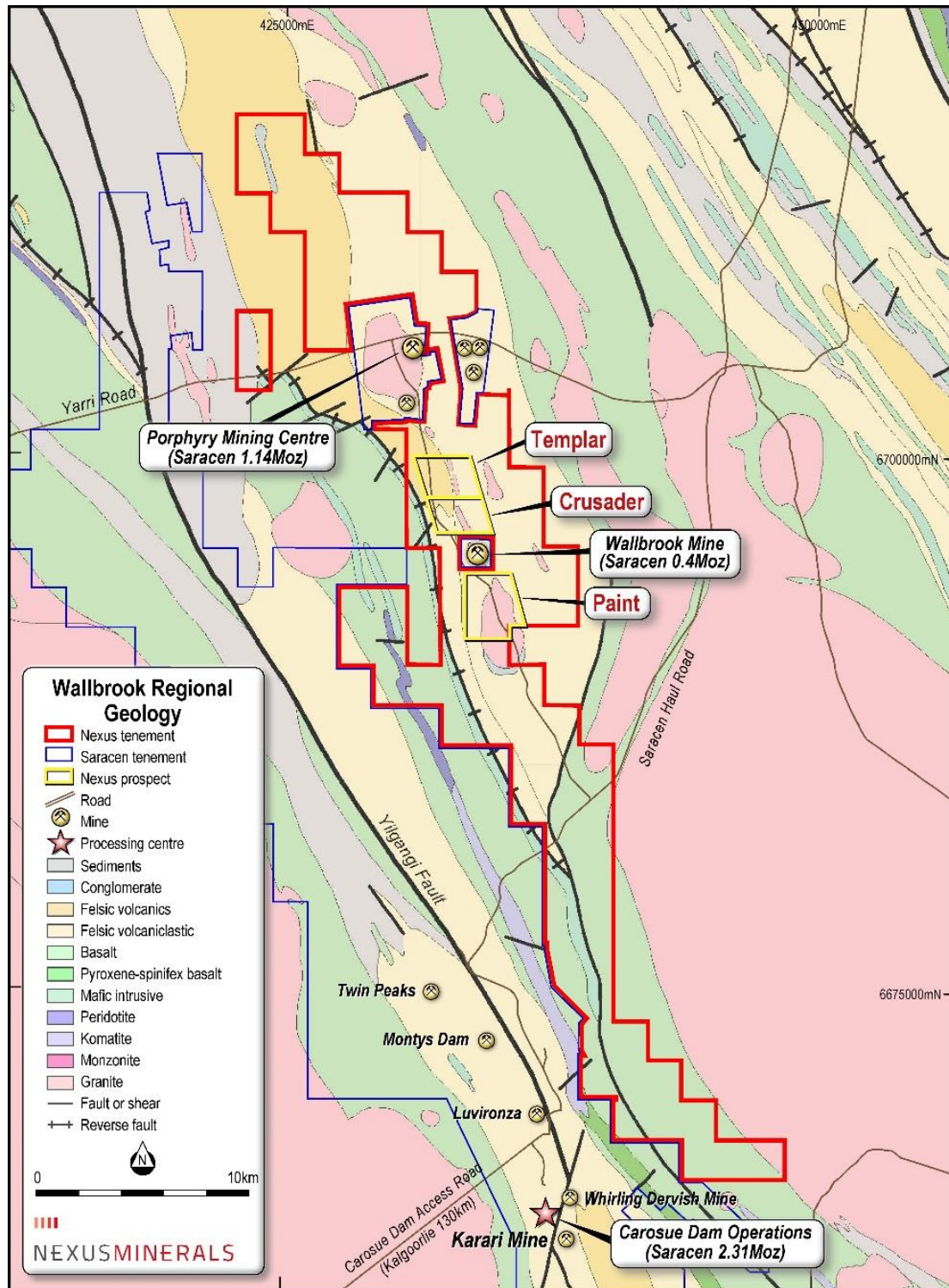


Figure 1: Wallbrook Gold Project



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Crusader Prospect

The Crusader resource model has been prepared after the completion of a 40 hole (4,626m) reverse circulation drilling program by Nexus. The resource model also includes 45 reverse circulation holes (4,951m) and 1 diamond drill hole (159m) drilled by previous operators (see ASX release 8/7/2019).

The Crusader prospect lithologies are dominated by volcanoclastic sediments, intermediate (andesitic) volcanics, intrusive felsic porphyries and granite/quartz monzonites. The dominant feature in the area is the Wallbrook Quartz Monzonite, which outcrops 3km to the south of Crusader. North of the monzonite are relatively smaller granitic intrusions and related narrow porphyry dykes/sills. These granitoid/porphyry dykes and apophyses trend in a north-westerly or northerly direction parallel to the regional trend.

The mineralisation is closely associated with a quartz-goethite supergene stockwork in the oxide regolith profile. The stockwork intensity correlates closely with higher gold grades. In the fresh rock, high-grade mineralisation is constrained to a series of steeply dipping structures defined by quartz sulphide veining within a potassic altered volcanoclastic host rock. Future drill programs will test for depth extensions to the mineralisation intersected in this program, as well as testing for strike extent of the mineralised corridor that continues >5km to the north of the drilling completed to date.

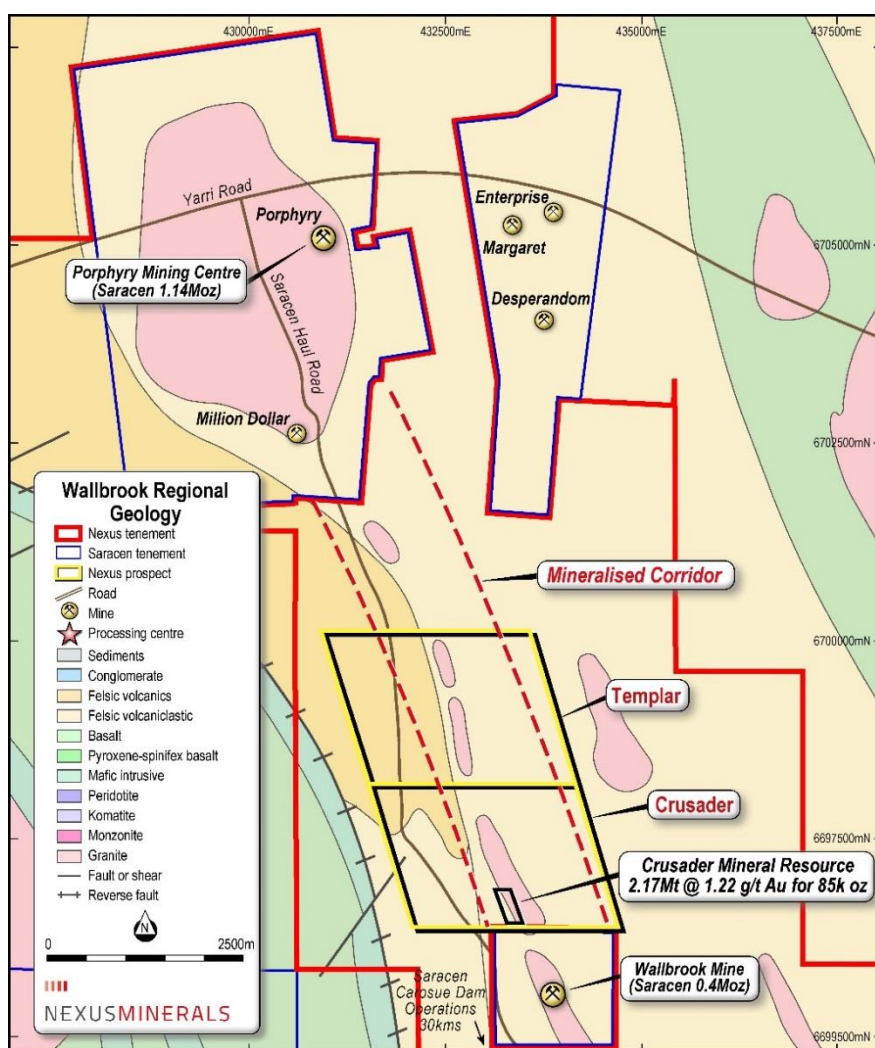


Figure 2: Crusader Prospect and Mineralised Corridor



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	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	

Table 1: Nexus Minerals Crusader JORC 2012 Mineral Resource Estimate

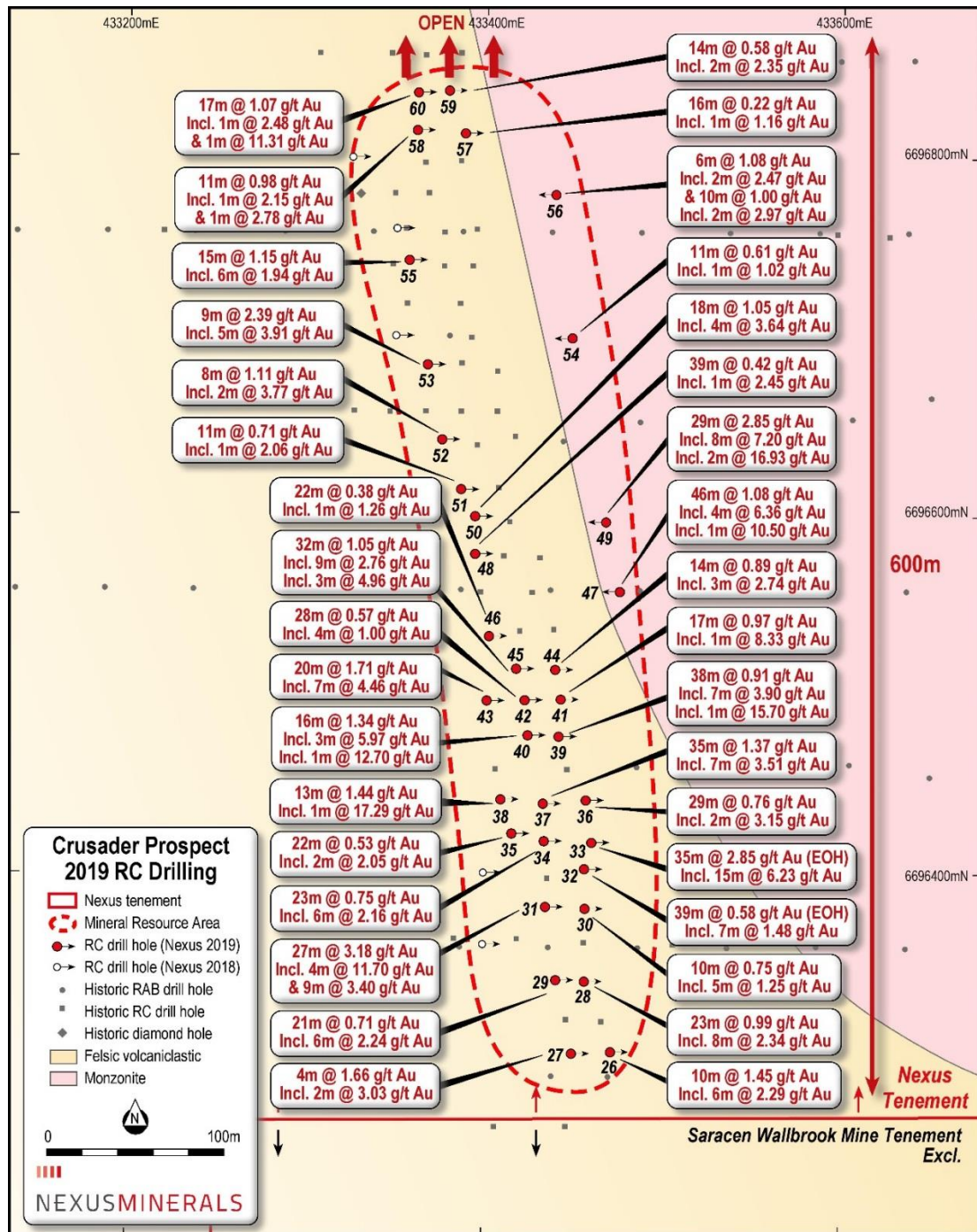


Figure 3: Crusader Prospect – Mineral Resource Estimate Area



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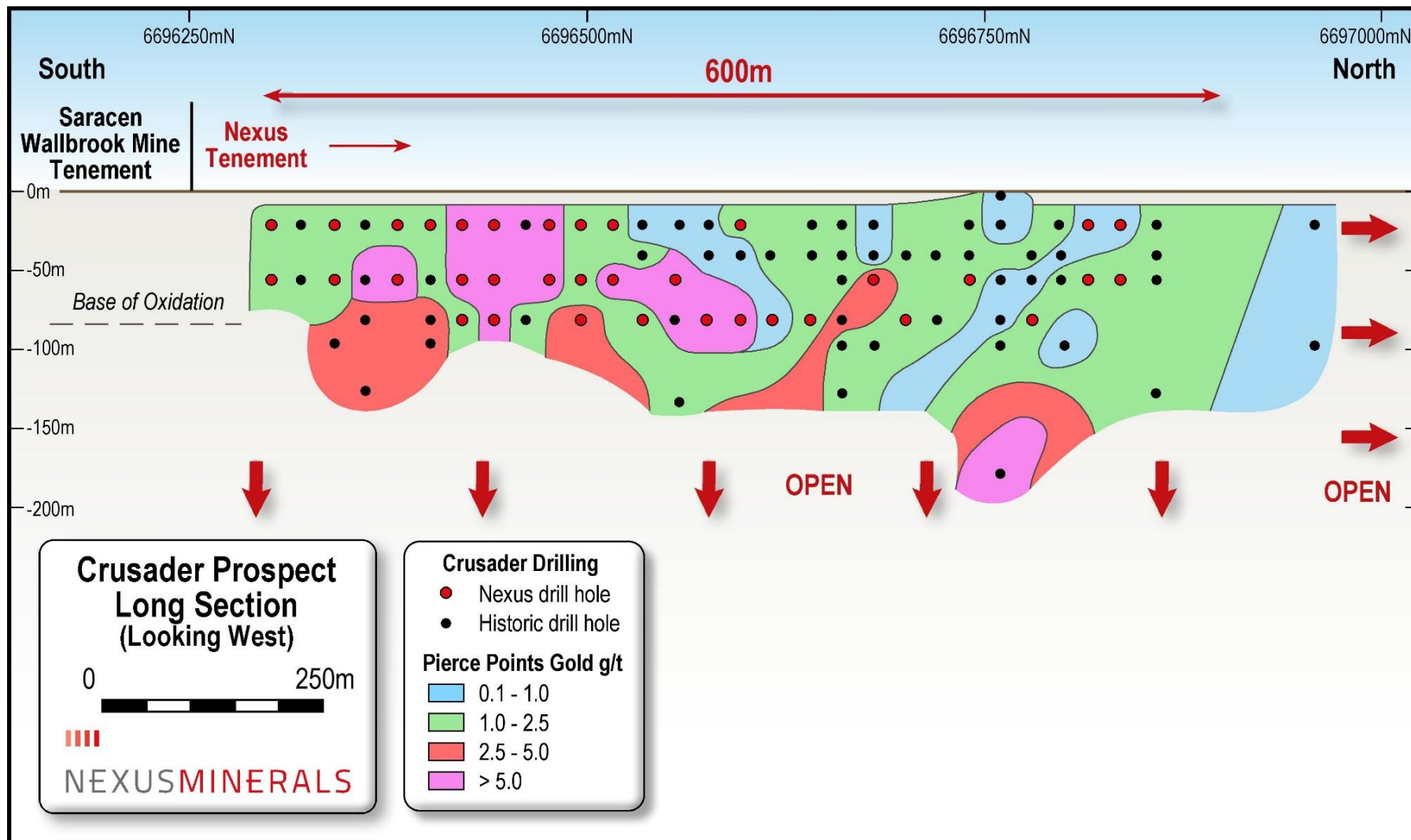


Figure 4: Crusader Prospect – Long Section



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Crusader – Templar Prospects Gravity Survey

The prospects cover approximately 3km of a total >5km strike length of prospective geology defined to date. The detailed gravity data clearly defines a north-west lower density corridor extending through the Crusader and Templar prospects (Fig. 5), that appears to be rotating to a more northerly strike direction at the most northern end of the prospect. Gravity readings were taken 25m apart on 100m line spacings over the Crusader prospect, and even more detailed readings 25m apart on 25m line spacings over the Templar prospect. All known significant mineralisation in the area is located within this lower density corridor, which is consistent with focus of structure and fluid flow along the margins of intrusive bodies and indeed a large-scale pre-mineral crustal weakness which the intrusives have exploited.

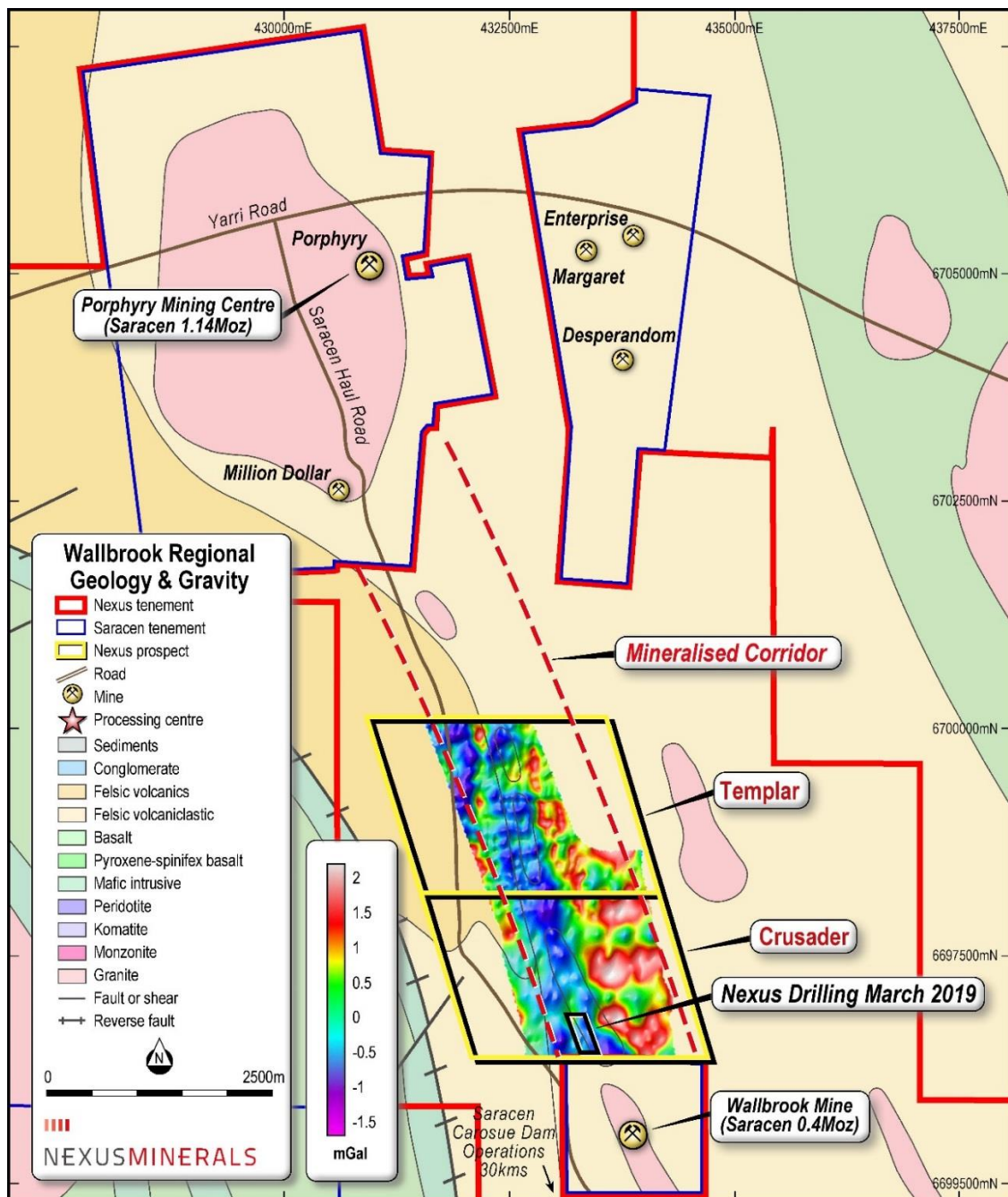


Figure 5: Crusader - Templar Prospects – Gravity Results



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Crusader – Templar Prospects Ground Magnetic Survey

Geological exposure is limited across the Crusader-Templar area due to transported sheetwash cover, so detailed ground magnetic data has been acquired to assist with mapping lithological continuity and identify structural discontinuities. Magnetic readings were taken using a highly sensitive fast-sampling magnetometer with continuous station recording along survey lines orientated east-west and spaced 25m apart. The quality of the ground magnetic data is excellent and is proving to be an important aid in understanding the setting of mineralisation and assisting with ongoing drill targeting. The more intense magnetic character (seen highlighted in red on Fig. 6 below) is considered to be, at least in part, due to hydrothermal alteration of the host rocks.

The combination of mapped geology and surface geochemistry results, with the interpretation of 3D modelling of the gravity and ground magnetics results, will allow for drill targets to be generated.

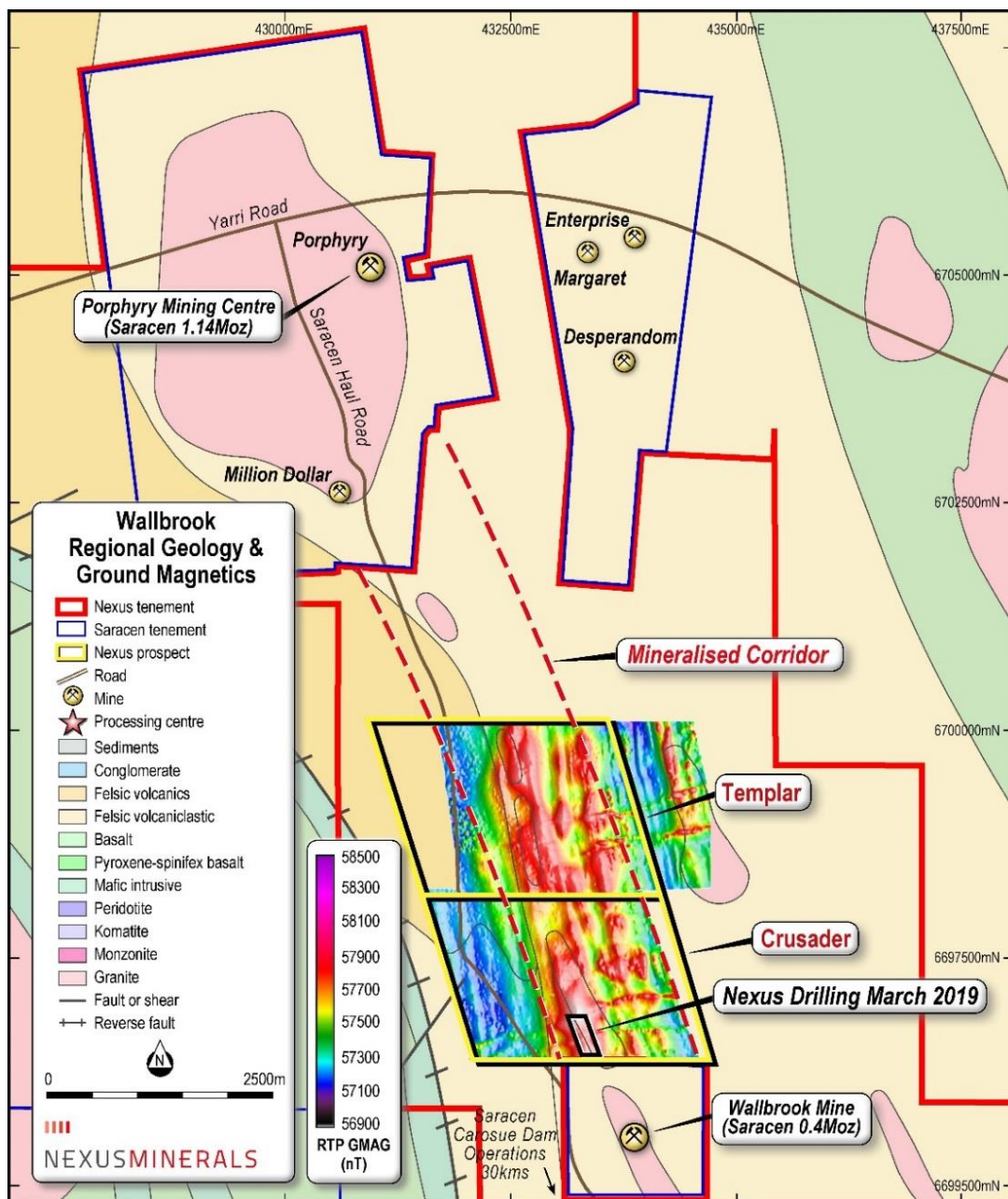


Figure 6: Crusader - Templar Prospects – High Resolution Ground Magnetic Results



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Regional Exploration

Based on the positive high-resolution ground magnetic results received to date, the decision was made to extend the survey north of Templar prospect. The survey commenced during the quarter and will cover ~500 line km's. Magnetic readings will be taken using a highly sensitive fast-sampling magnetometer with continuous station recording along survey lines orientated east west and spaced 50m apart. The survey will extend coverage northwards through The Gap prospect.

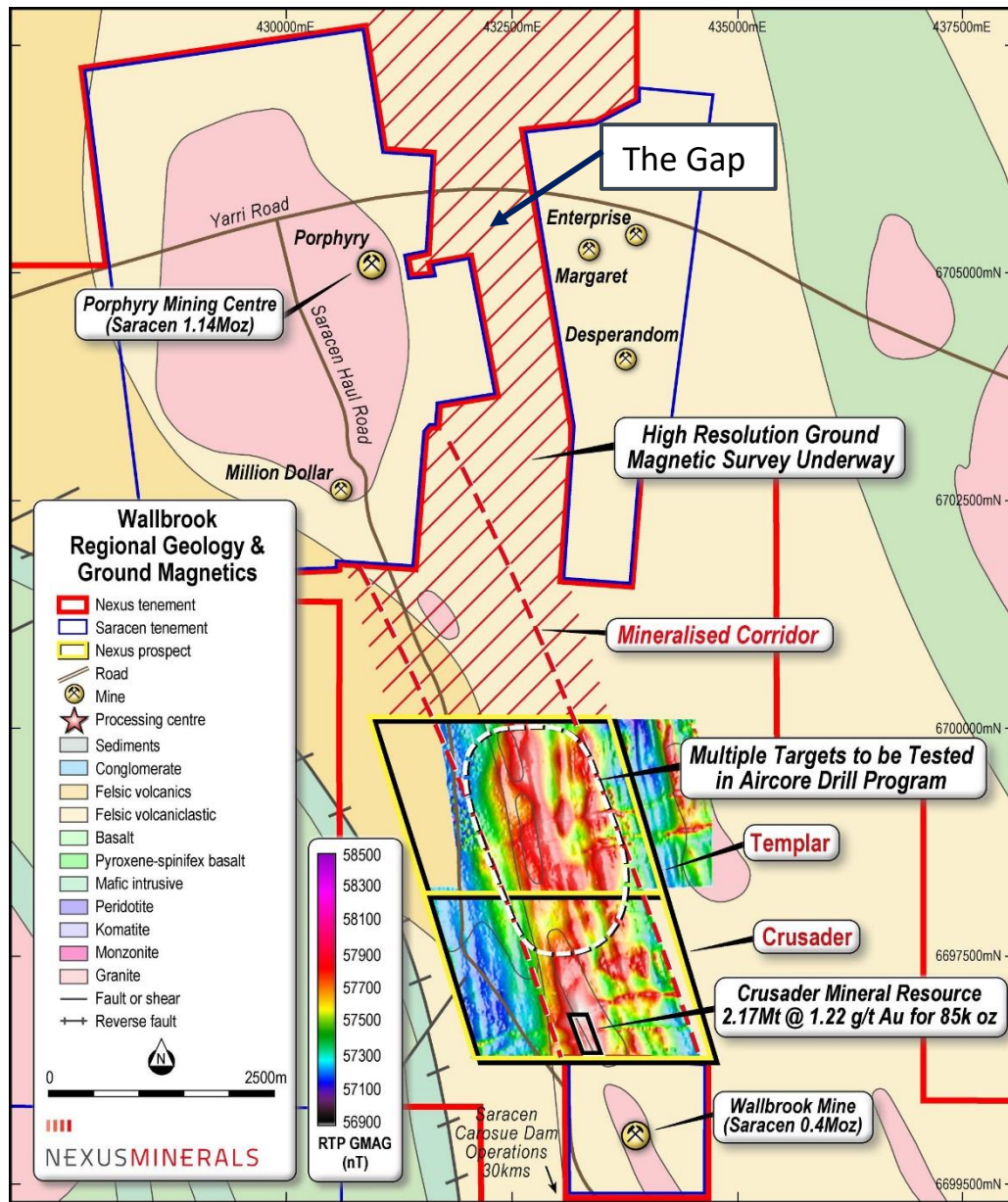


Figure 7: High Resolution Ground Magnetic Survey Area



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Geological mapping of the tenement package will focus on exploring for host rock alteration where surface outcrop is evident. Surface geochemistry data will be assessed and areas of limited or no coverage will be sampled in the search for high level gold anomalism.

The use of gravity surveys and high-resolution ground magnetic surveys have proven to be effective tools used to map the location of non-outcropping porphyritic intrusives and dyke stocks, above larger intrusive bodies. Induced Polarization (IP) / Resistivity surveys may also be utilized as they are also an effective exploration tool, with IP resistivity highs associated with possible intrusive bodies or siliceous alteration and chargeability highs with disseminated sulphides often associated with mineralisation. This work, in conjunction with factors determined as part of the Company's R&D framework, will culminate in the drill testing of priority targets identified.

Pinnacles Gold Project

No field work was undertaken during the quarter.

Triumph Project

No field work was undertaken during the quarter.

Mt Celia Project

A field trip was undertaken to the tenement with regional geological mapping undertaken.

September 2019 Quarter – Work Program

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

Wallbrook Gold Project

- Continue to analyze/model Crusader drill data, drill program planning;
- Undertake 2500m aircore drill program at Templar prospect;
- Complete regional high-resolution ground magnetics survey through The Gap prospect;
- Geological and structural mapping;
- Analysis of regional geochemistry; and
- R&D sampling.

Corporate

At the end of the June 2019 quarter, the Company held A\$3.29m cash and equivalents.

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.



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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.

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

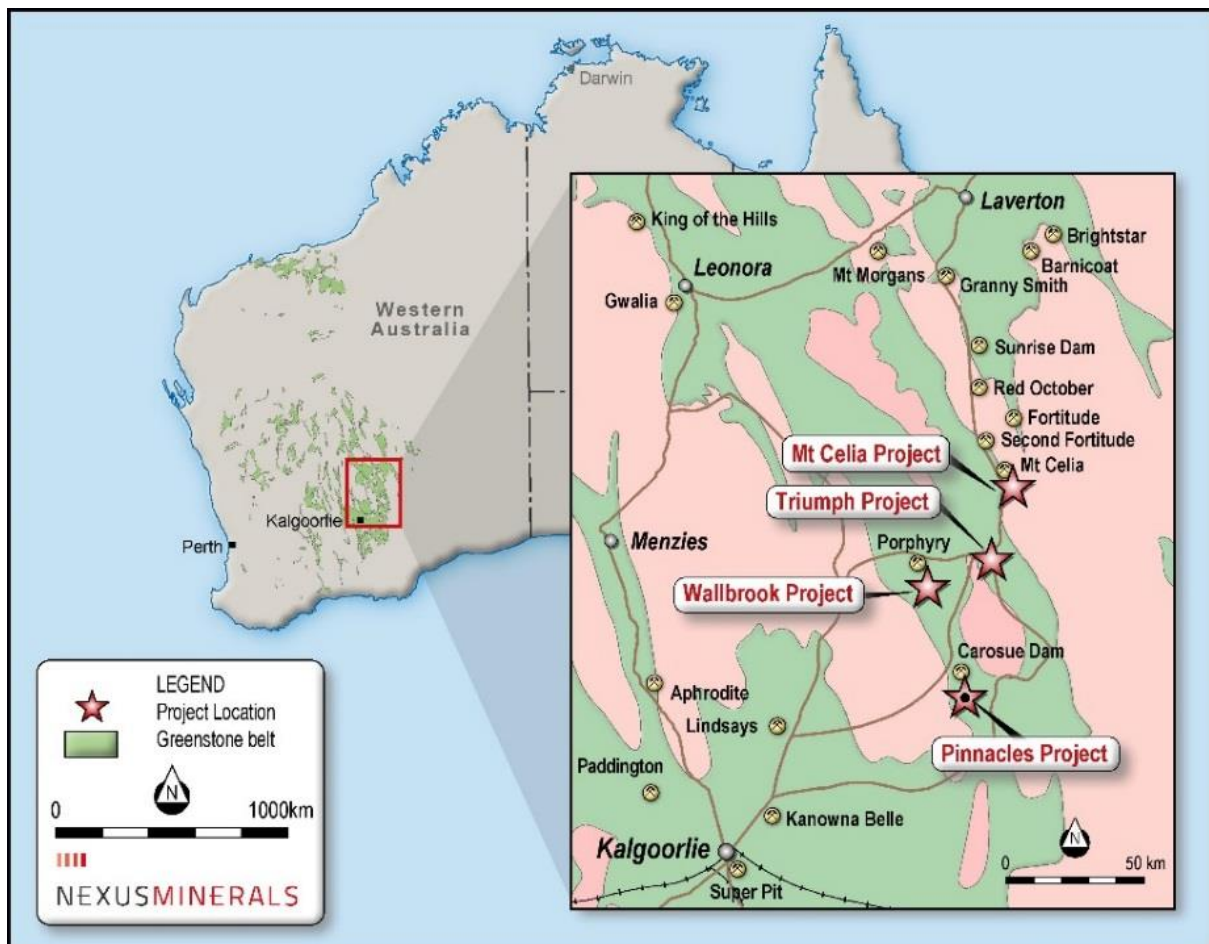


Figure 8: Nexus Project Locations, Eastern Goldfields, WA



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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	88% 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	0%	100%
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 Australian 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.