



QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 31 DECEMBER 2018

ASX: NXM

Capital Structure

Shares on Issue 88.6 million
Options 8.9 million
Cash on Hand \$3.18million
(31/12/2018)

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

- ❖ Newmont and Nexus completed the Tenement Sale and Purchase transaction – Nexus having acquired 190km² Newmont tenement package adjacent to Nexus' existing Wallbrook Gold Project;
- ❖ Nexus commenced ground exploration across the enlarged underexplored 250km² Wallbrook Gold Project;
- ❖ High resolution ground magnetic survey and geological / structural mapping commenced;
- ❖ Gravity survey and Gradient Array IP survey commenced.

During the quarter ended 30 December 2018, Eastern Goldfields explorer **Nexus Minerals Limited (ASX: NXM) (Nexus or the Company)** undertook ground-based exploration activities at the Company's Wallbrook Gold Project (acquired from Saracen Mineral Holdings (**Saracen**) see Nexus ASX releases 17/1/18 and 23/4/18). Nexus also completed a Tenement Sale and Purchase Agreement with Newmont Exploration Pty Ltd (**Newmont**), whereby Nexus purchased three tenements from Newmont covering some 190km² of prospective geological terrain contiguous with the Company's existing Wallbrook Gold Project (see Nexus ASX release 20/9/18 and 29/11/18).

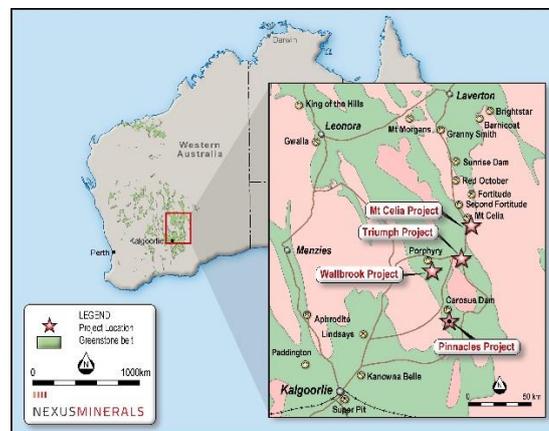


Figure 1: Nexus Project Locations, Eastern Goldfields, WA

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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 in 2018 demonstrated this prospectivity (see ASX releases 16 October 2018 and 6 September 2018). Within the Carosue Dam district 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).

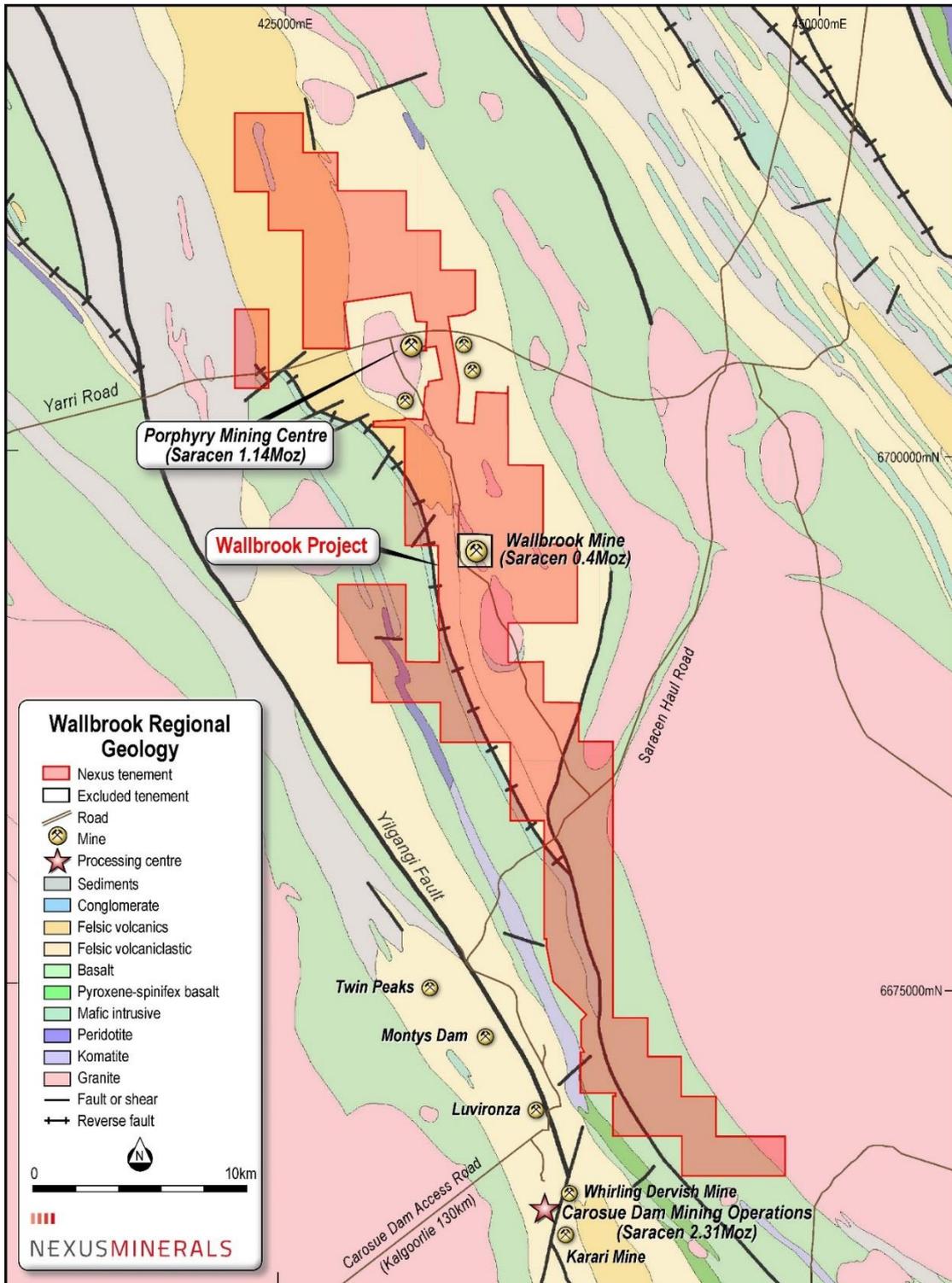


Figure 2: Wallbrook Gold Project



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On completion of the Newmont tenement acquisition during the quarter, Nexus commenced reviewing and integrating various historical data sets from the tenements which will be assembled and integrated into the current database.

Previous exploration has demonstrated that gold mineralisation in the district tends to occur on the margins of porphyritic intrusions. Mineralisation is known to occur within the margins of these porphyries themselves, and also within the intruded sheared and altered greenstone sequence lithologies and as mineralised quartz vein stockworks.

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 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.

March 2019 Quarter – Work Program

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

Wallbrook Gold Project

- Historical data review and database integration of new tenements;
- Geological and structural mapping;
- Analysis of regional geochemistry;
- Geophysical programs including gravity and ground magnetics;
- R&D sampling; and
- Drill testing of priority exploration targets.

Pinnacles Gold Project

No field work was undertaken during the quarter.

Triumph Project

An application was made during the quarter for an exploration tenement covering the regional trend of the historical Triumph Gold Project.

Mt Celia Project

No field work was undertaken during the quarter. Post a full geological review of the project tenements prospectivity, six of the seven tenements were relinquished.



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Corporate

During the quarter, Managing Director Andy Tudor presented updates to brokers on the Company's activities.

At the end of the December quarter, the Company held A\$3.18m cash and equivalents. An R&D refund of \$581,019 was received during the quarter.

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 three-year time line, which commenced July 2017, with the first two years mainly consisting of data collection with ongoing analysis and the final year consisting of results-based interpretation and conclusions.

During the quarter data was collected from 8,709 RC drill chip samples using a TerraSpec SWIR unit attached to spectra acquisition software.



Photo 1: SWIR RC Drill Chip Sample Data Collection



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About Nexus

Nexus is actively exploring for gold deposits on its highly prospective tenement package in the Eastern Goldfields of Western Australia. The addition of the three Newmont tenements to the Wallbrook Gold Project (250km²) 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 terrain 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.

The Company also has a joint venture over the Pinnacles JV Gold Project with Saracen (see ASX Release 17 September 2015). This joint venture is consistent with the Company strategy of investing in advanced gold exploration assets.

Nexus Minerals is a well-funded resource company with a portfolio of gold projects in Western Australia. With a well-credentialed Board, assisted by an experienced management team, the Company is well placed to capitalise on opportunities as they emerge in the resource sector.

- Ends -

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

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ASX Code **NXM**

For Media and Broker Enquiries:

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The information in this report that relates to Exploration Results 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. Mr Tudor is a 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". The exploration 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. Mr Tudor consents to the inclusion in the reports of the 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.



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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	0%	100%
E31/1108	0%	100%
E31/1118	0%	100%
Pinnacles (Gold)		
M28/243	88% Contributing JV	88% 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 (Application)	0%	0%
Mt Celia (Gold)		
E39/2025	100%	100%
P39/5484	100%	0%
P39/5485		
P39/5486		
E39/1890		
E39/2037		
P39/5836		