



## QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 30 JUNE 2020

### ASX: NXM

#### Capital Structure

Shares on Issue 148 million  
Options 14 million  
Cash on Hand \$2.44million  
(30/06/2020)

#### 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

- ❖ Pinnacles Gold Project Feasibility Study commenced
- ❖ Wallbrook Gold Project RC drilling program planning completed. Program to commence July 2020

### Pinnacles Gold Project

- ❖ Feasibility Study underway following positive results from an independent Scoping Study;
- ❖ Nexus Minerals in association with consultants engaged to complete Feasibility Study components;
  - RC / Diamond drill planning
  - Geotechnical studies commenced
  - Metallurgical studies commenced
  - Environmental studies commenced
  - Mining Proposal preparation underway
  - Results of Feasibility Study expected late 2020
- ❖ Pinnacles East current Combined Mineral Resource of:
  - 609,000t @ 4.0g/t Au for 78,000 ounces with;
  - Open Pit 159,000t @ 2.4g/t Au for 12,000 ounces &
  - Underground 450,000t @ 4.6g/t Au for 66,000 ounces

### Wallbrook Gold Project

- ❖ Exploration RC drill program planning completed. Program to commence end July;
  - Phase 1 – 8,000m RC drill program planned for Templar Prospect / Branches Prospect / Golden Dyke Prospect

### Corporate

- ❖ Nexus received commitments to raise approximately \$3.375 million through the issue of up to 75.1 million fully paid ordinary shares in June 2020



# NEXUSMINERALS

During the quarter ended 30 June 2020, **Nexus Minerals Limited (ASX: NXM) (Nexus or the Company)** announced the commencement of a Feasibility Study on its Pinnacles JV Gold Project (“Pinnacles JV” or “Project”). The Company received positive results from an independent Scoping Study paving the way for the Project to advance rapidly. Additionally, the Wallbrook gold project will be subject to a high-impact RC drill program, following up on previous positive drill and exploration results.

## **Pinnacles Gold Project**

As part of the Pinnacles Feasibility Study, Nexus is determining the feasibility of the open cut potential of the Pinnacles East gold resource area, with deeper mineralisation to be considered as a potential underground operation. The Feasibility Study will incorporate additional resource definition drilling, geotechnical drilling, environmental studies and metallurgical test work along with other key assessments and permitting. The Company is also investigating funding alternatives for production assuming a positive outcome from the Feasibility Study.

Cut Off Grade (g/t Au)		Category	Tonnage (kt)	Grade (g/t Au)	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
Combined Total			609	4.0	78

**Table 1. Nexus Minerals JORC 2012 Mineral Resource Estimate – Pinnacles East**

## **Wallbrook Gold Project**

A Phase 1 / 8,000m RC drill program was planned during the quarter and will commence late July. The drill program will cover 3 prospect areas:

**Templar Prospect** – testing mineralised corridor 500m long x 80m wide. Drilling to infill mineralisation intersected in Nexus 2019 aircore drill program (refer ASX announcement 8 October 2019) and test for depth extensions.

**Branches Prospect** – testing structurally complex area with significant silicification and alteration of host rocks. Drilling will also follow up previous operator mineralised drill intersections.

**Golden Dyke Prospect** – testing intrusive contact with silicified and altered host rocks. Follow up of Nexus RC drill hole 3m @ 19.36g/t Au (from 56m) (refer ASX announcement 6 September 2018).

## **Triumph Project**

Composite auger samples of 5 historical tailings dams were collected and submitted for metallurgical testwork.

Subsequent to the end of the quarter, Nexus announced it had entered into a six-month option agreement with Gibb River Diamonds Ltd (GIB) for the sale of the Triumph project. GIB has paid an option fee of \$110,000 (plus GST) and will pay a further \$330,000 (plus GST) and issue 5.5 million GIB shares and 5.5 million GIB options if the option to acquire the project is exercised (refer ASX announcement 16 July 2020). Nexus retains the right to remove historic tailings from the tenement for a period up to 2 years.



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## **Mt Celia Project**

No field work was undertaken during the quarter.

## **September 2020 Quarter – Work Program**

During the September 2020 quarter, the Company intends to undertake the following activities:

- Pinnacles Gold Project - continue feasibility study
- Wallbrook Gold Project - Undertake 8,000m high-impact RC drill program
- Submit R&D project analysis report

## **Corporate**

At the end of the June 2020 quarter, the Company held \$2.44 million cash and equivalents.

On 25 June 2020, Nexus announced it had received firm commitments to raise approximately \$3.38 million through the issue of approximately 75.1 million shares at 4.5 cents each via a two-tranche placement to sophisticated and professional investors (**Placement**). Tranche 1 to raise \$1.32 million was completed on 3 July 2020 with the issue of 29,382,217 shares. Tranche 2 to raise the balance of \$2.06 million is subject to shareholder approval at a meeting to be held in August 2020. Funds raised will be used for the Pinnacles Feasibility Study and the RC drilling program at the Wallbrook Gold Project.

## **ASX Additional Information**

### **ASX listing rule 5.3.1**

Exploration and evaluation expenditure during the quarter was \$61,972. Details of exploration activity during the June 2020 quarter are set out in this report.

### **ASX listing rule 5.3.2**

There were no substantive mining production or development activities during the quarter.

### **ASX listing rule 5.3.5 - Payments to related parties of the entity and their associates**

Appendix 5B, Section 6.1 – description of payments:

Non-executive director fees	\$37,570	(including applicable superannuation)
Managing Director salary	\$68,750	(including applicable superannuation)
Provision of geological personnel supplied by Geoex Pty Ltd	\$5,559	Geoex Pty Ltd is an entity associated with Managing Director, Andy Tudor. The fees are charged on normal commercial terms and are not for services provided by Mr Tudor.
	\$111,879	



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## 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.

The drill chip trays from the 2019 RC drill program at Wallbrook, and those from the recently completed aircore program at Templar prospect (Wallbrook Project), were analysed in the March 2020 quarter, using a TerraSpec SWIR unit attached to spectra acquisition software. Final analysis of the results and report writing were completed during the June quarter.

## About Nexus

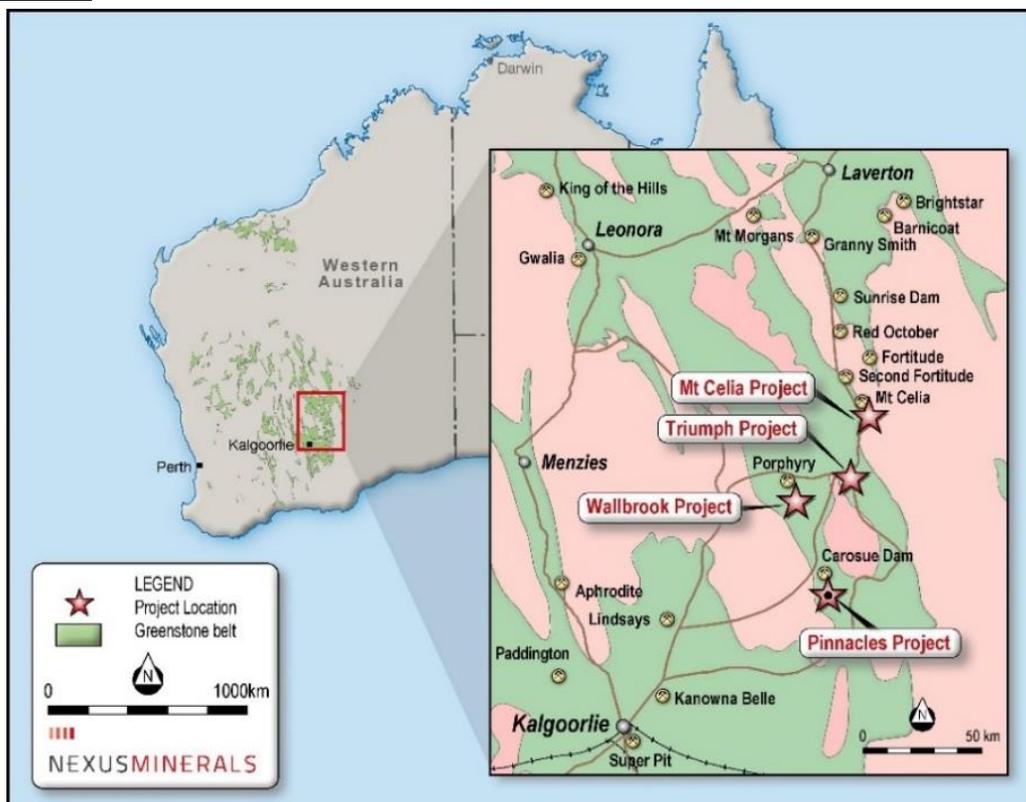


Figure 1: Nexus Project Locations, Eastern Goldfields, WA



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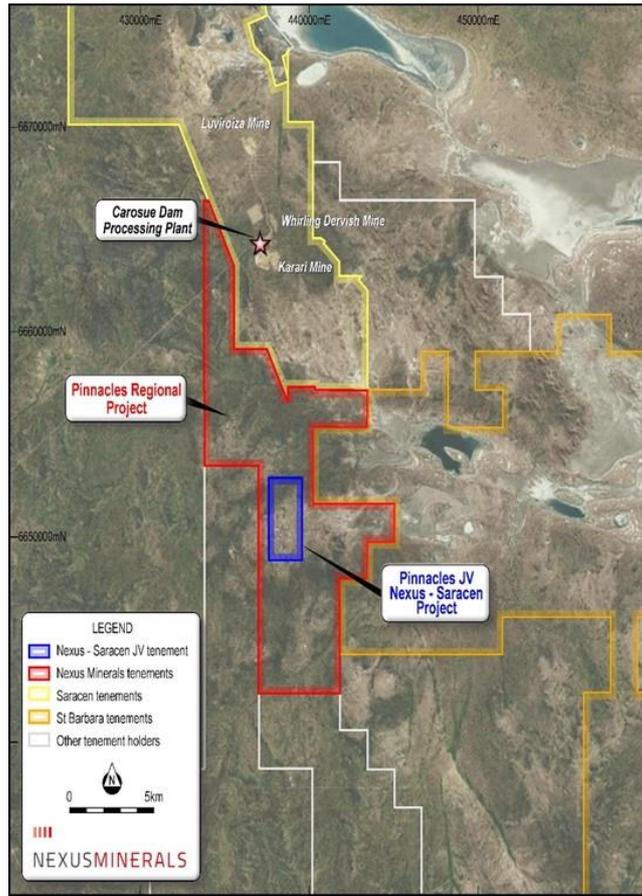


Figure 2: Nexus Pinnacles Gold Project, Eastern Goldfields, WA

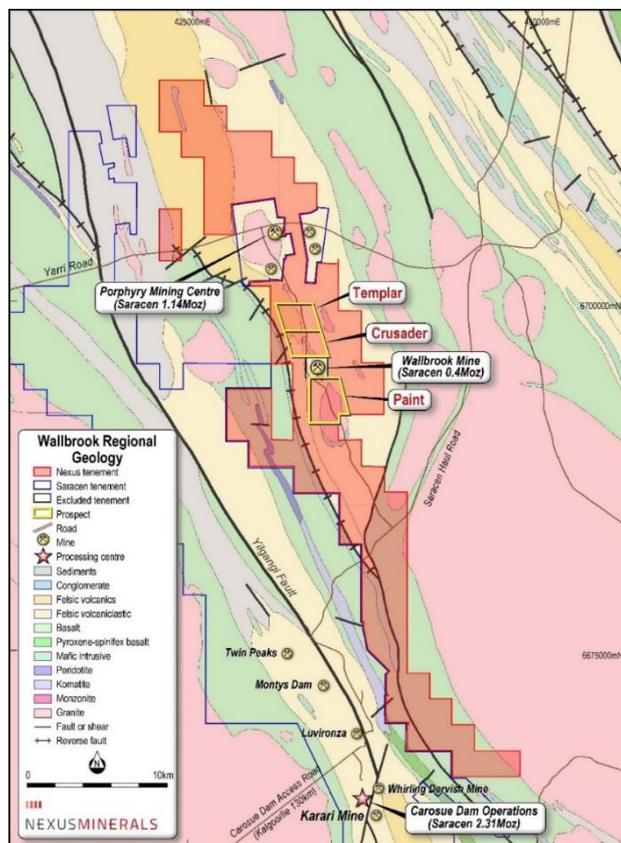


Figure 3: Nexus Wallbrook Gold Project, Eastern Goldfields, WA



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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 (250km<sup>2</sup>) 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 Carosue Dam mining operations, and current operating Karari underground gold mine. Nexus holds a significant land package (125km<sup>2</sup>) 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.

This announcement is authorised for release by Managing Director, Andy Tudor.

- Ends -

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

**Contact**        **Phone: 08 9481 1749**  
**Website**        [www.nexus-minerals.com](http://www.nexus-minerals.com)

**ASX Code**      **NXM**

## SUMMARY OF NEXUS MINERALS LIMITED TENEMENTS

AUSTRALIA	Interest at beginning of Quarter	Interest at end of Quarter
<b>Wallbrook (Gold)</b>		
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%
<b>Pinnacles (Gold)</b>		
M28/243	90% Contributing JV	90% Contributing JV
E28/2526	90%	90%
E28/2487	100%	100%
<b>Triumph (Gold)</b>		
E31/1179	100%	90%
<b>Mt Celia (Gold)</b>		
E39/2025	100%	100%
E39/2185 (Under Application)	0%	0%



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*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](http://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 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 Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscientists. At the time of the report, Mr James was 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.*