



QUARTERLY ACTIVITY REPORT FOR THE PERIOD ENDING 31 MARCH 2020

HIGHLIGHTS

Pinnacles Gold Project

- ❖ Positive results from an Independent Scoping Study by mining consultants CoverdaleCo ("CVC");
- ❖ Pinnacles East Combined Mineral Resource updated to:
 - 609,000t @ 4.0g/t Au for 78,000 ounces
 - Open Pit 159,000t @ 2.4g/t Au for 12,000 ounces
 - Underground 450,000t @ 4.6g/t Au for 66,000 ounces
- ❖ 22 drill holes for 2,425 metres added to previous resource;
- ❖ Mineral Resource in Indicated category increased to 53%;
- ❖ Project to advance with the commencement of a Feasibility Study (FS).

During the quarter ended 31 March 2020, Eastern goldfields explorer **Nexus Minerals Limited (ASX: NXM) (Nexus or the Company)** completed a Mineral Resource Estimate and Scoping Study on its Pinnacles project in the eastern goldfields of Western Australia.

The Scoping Study (see ASX announcement 13/3/2020) focussed on the Mineral Resource currently defined within the Pinnacles JV resource area (see ASX announcement 27/2/2020), and has confirmed Nexus' belief in the prospectivity of the Pinnacles JV Project.

The study results were positive and justify Nexus committing to the next stage of exploration and development by progressing to a Feasibility Study this year (subject to the Covid-19 restrictions). The Feasibility Study will incorporate additional resource definition drilling, geotechnical drilling, environmental studies and metallurgical test work along with other key assessments and permitting.

ASX: NXM

Capital Structure

Shares on Issue 118 million
Options 14 million
Cash on Hand \$2.59million
(31/03/2019)

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



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The updated JORC 2012 combined mineral resource of 609,000t @ 4.0g/t Au for 78,000 ounces is in line with the Company's previous estimate of 550,000t @ 4.6g/t Au for 82,000 ounces (see ASX announcement 13/10/2016).

The 22 additional drill holes, drilled in December 2016 (see ASX announcement 7/2/2017), were targeting zones within the previous resource outline where a greater drill density was required to convert the existing inferred ounces to indicated status. This was achieved with the new total estimate containing 53% Indicated Mineral Resource. Importantly the resource from surface down to 200m contains >90% Indicated Mineral Resources. The additional drill hole data has also allowed for a more selective interpretation of the geological controls on the mineralisation.

Further geotechnical, metallurgical and hydro-geological test work in addition to environmental baseline studies, will be required to assist in determining mine development options.

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

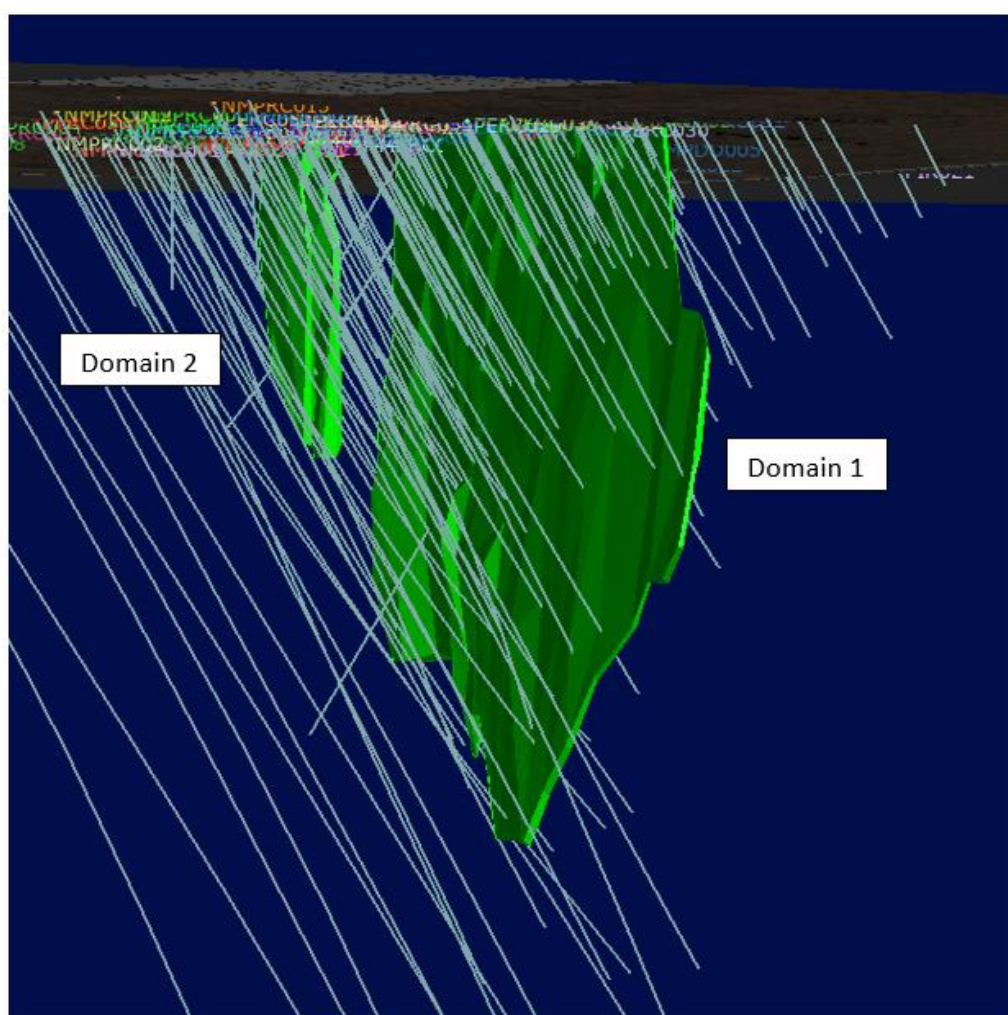
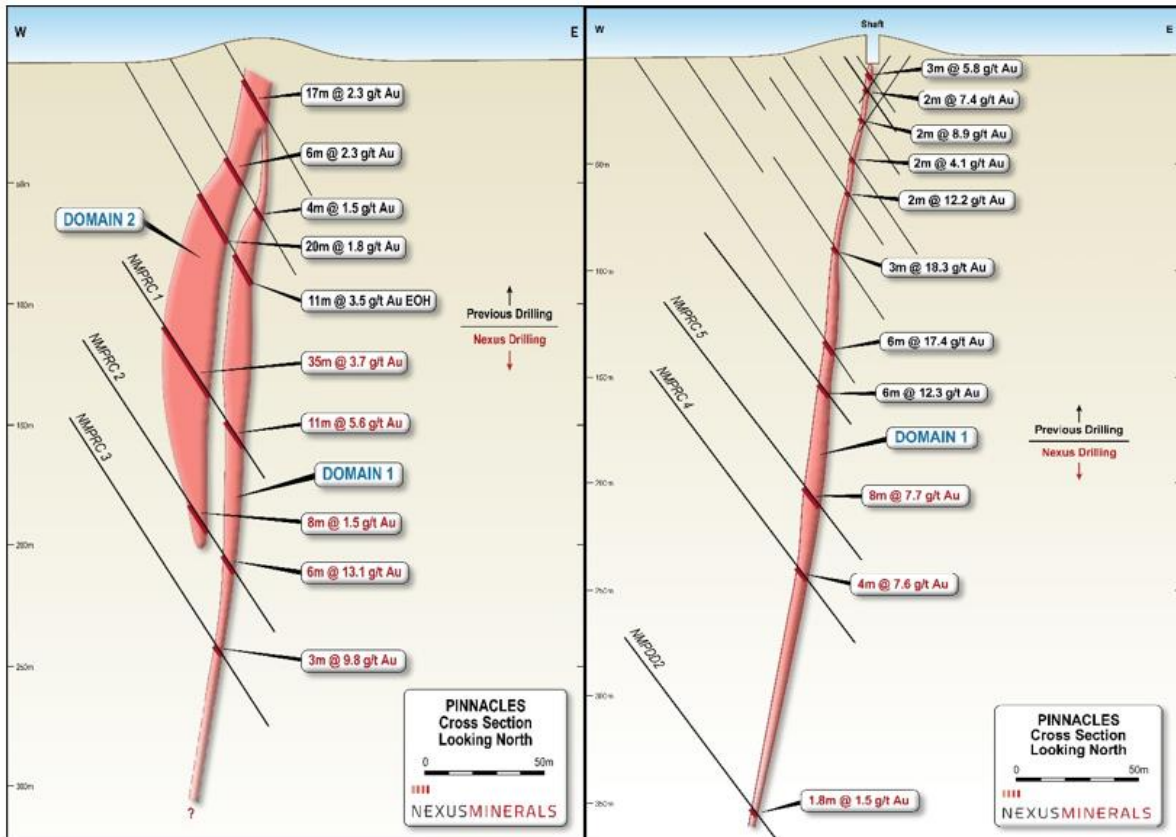


Figure 1. Pinnacles East Mineral Resource Model



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The Pinnacles East gold resource drill programs have successfully tested for depth and strike extensions to the high-grade gold mineralisation identified by previous operators. The work undertaken by Nexus being a combination of RC drilling, and RC drill pre-collars with diamond core tails. The Pinnacles East Mineral resource area (which commences at surface) is now well defined and understood from surface down to approximately 250m. Mineralised intercepts include*:

- 5m @ 20.9g/t Au
- 4m @ 19.5g/t Au
- 6m @ 17.4g/t Au
- 6m @ 12.3g/t Au
- 6m @ 11.5g/t Au

The drill programs intersected the primary structure hosting the mineralisation (Domain 1) at the depths interpreted, with the geological package of volcanoclastic sandstones, shales and conglomerates also intersected. The Pinnacles gold mineralisation is typically associated with an increase in silicification, quartz veining, chlorite alteration and increase in sulphide content.

A second body of mineralisation (Domain 2) has also been modelled at the northern end of the main Domain 1 structure, with further drilling required to fully define the geometry of the mineralised body. Only a limited number of holes have penetrated this structure with intersections to date including*:

- 35m @ 3.7g/t Au
- 17m @ 3.2g/t Au
- 25m @ 2.3g/t Au

(* see ASX announcements 21/1/2016, 6/5/2016, 9/9/2016, 13/10/2016, 28/10/2016, 7/2/2017)



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Since entering into the JV with Saracen Mineral Holdings Limited, Nexus has drill tested the depth and continuity of the potential high grade mineralisation through a number of depth staged drill programs. The drill programs undertaken by Nexus have achieved this objective by intersecting mineralisation from surface to some 350m vertical depth, as well as testing the strike extent of the resource.

Pinnacles East Mining Studies Advancing

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. Nexus consultants have completed a Scoping Study level analysis and the study results justify Nexus committing to the next stage of exploration and development by progressing to a Feasibility Study this year (subject to Covid-19 restrictions). The Feasibility Study will incorporate additional resource definition drilling, geotechnical drilling, environmental studies and metallurgical test work along with other key assessments and permitting.

Wallbrook Gold Project

No field work was undertaken during the quarter.

Triumph Project

No field work was undertaken during the quarter.

Mt Celia Project

No field work was undertaken during the quarter.

June 2020 Quarter – Work Program

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

- Continue mine studies at the Pinnacles East Mineral Resource area; and
- R&D project analysis.

Corporate

At the end of the March 2020 quarter, the Company held \$2.59 million cash and equivalents.

Payments to related parties of the entity and their associates

Appendix 5B, Section 6.1 – description of payments:

Non-executive director fees	\$45,760	(including applicable superannuation)
Managing Director salary	\$68,750	(including applicable superannuation)
Provision of geological personnel supplied by Geoex Pty Ltd	\$19,583	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.
	\$134,093	



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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.

About Nexus

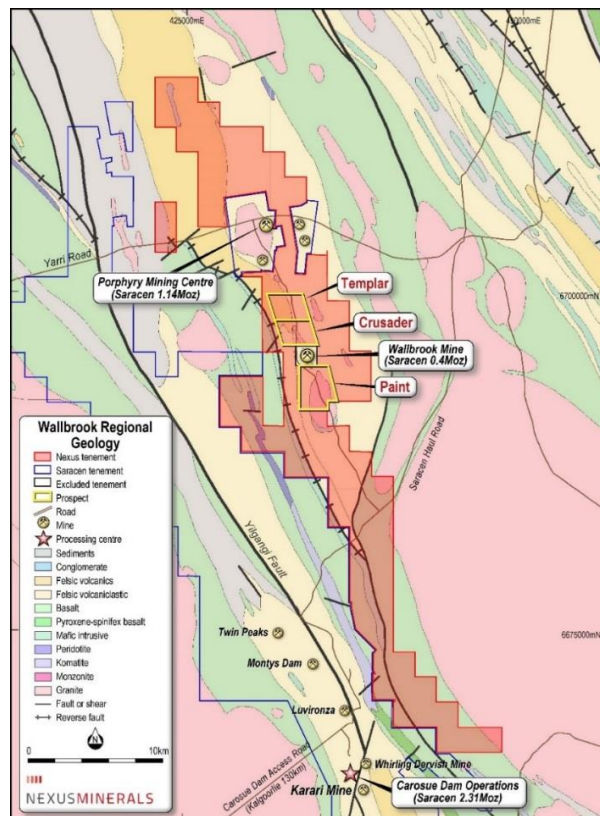


Figure 3: Nexus Wallbrook Project, Eastern Goldfields, WA



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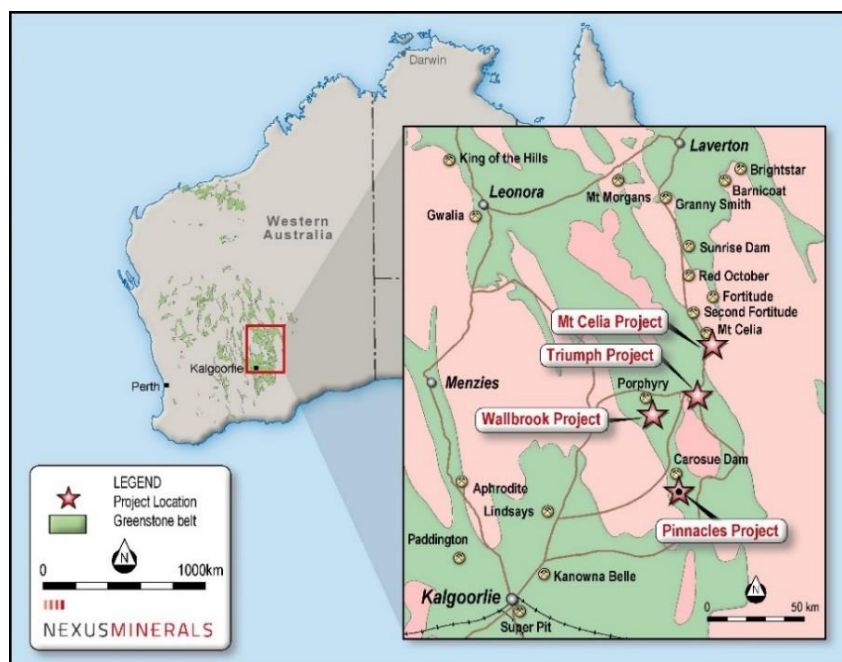


Figure 4: Nexus Project Locations, Eastern Goldfields, WA

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.

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

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	90% Contributing JV
E28/2526	90%	90%
E28/2487	100%	100%
Triumph (Gold)		
E31/1161	100%	0%
E39/2044	100%	0%
E39/2045	100%	0%
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 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.