

DIAMOND DRILLING TO TEST KEY HIGH-GRADE TARGETS AT NED'S CREEK

Lodestar Minerals Limited ("Lodestar", **ASX:LSR**) is pleased to advise that joint venture partner Vango Mining Limited ("Vango", **ASX:VAN**) is about to commence a diamond drilling program targeting high-grade gold mineralisation at the Contessa and Gidgee Flat prospects, within the 2.5km long Contessa corridor. A copy of an announcement made today by Vango is attached to and forms part of this release.

The staged program comprises:

- Two holes to test the interpreted down-plunge extension of a high-grade drill intersection in LNRC026 at Contessa:
 - **4m at 78g/t Au from 140m, including 1m at 151g/t Au from 140m and 1m at 128g/t Au from 141m¹**

This drilling continues Vango's successful 2019 RC drilling completed at Contessa that reported:

- **16m at 2.16g/t from 84m, including 4m at 9.63g/t Au in VCTRC003² and**
- **5m at 2.42g/t Au from 46m, including 2m at 4.94g/t Au in VCTRC002²**
- A third diamond drill hole will target a major structure and flexure zone as a potential link between Gidgee Flat and the Central Park prospect, 600m to the north east. Significant intrusion-related gold occurs adjacent to the granite contact at both prospects.

The drilling will be fully funded by Vango under the terms of the Ned's Creek Joint Venture, where Vango is earning 51% interest by spending \$5M on exploration over 3 years. On Vango earning a 51% interest, Lodestar can contribute on a *pro rata* basis or elect to retain a 20% free carried interest. Vango is targeting early production from the nearby 1Moz Marymia Gold Project, located 25km north of the Ned's Creek tenements.

For further details of the drilling program please refer to the attached announcement released by Vango Mining.

Further to the recently announced farm out agreement for the Camel Hills gold project³ (GoldFellas earning up to a 51% interest by funding \$800,000 of exploration), Lodestar advises that it is in discussions with interested parties to advance the 900sq km Imbin Au-Cu project, where historic drilling has intersected significant copper mineralisation beneath stratiform siliceous ironstone. The Proterozoic Imbin terrane has similarities with the gold and copper mineralised Bryah Basin and offers potential for VHMS, SEDEX base metals and orogenic gold. Lodestar will update the market if these discussions result in a material transaction.

¹ See Lodestar's ASX release dated 12th June 2018

² See Vango's ASX release dated 10th February 2020

³ See Lodestar's ASX release dated 11th August 2020

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About Lodestar

Lodestar Minerals is an active Western Australian gold explorer with a prospective tenement package spanning 1,560km² along the northern margin of the Yilgarn Craton. Lodestar has three main projects – Ned’s Creek, Camel Hills and Imbin.

Lodestar discoveries include syenite intrusion-related gold mineralisation at Ned’s Creek and very high grade, lode style gold mineralisation on the Camel Hills project.

The Ned’s Creek project (in joint venture with Vango Mining Limited) comprises greenfields gold discoveries at the Contessa, Central Park and Gidgee Flat prospects. Contessa is one of many partly explored gold anomalies located within a large shear zone developed along the southern margin of a 6 kilometre long, elongate composite granite intrusion. The Yowereena area north of Contessa includes the northern margin of the Contessa granite and adjacent under-explored prospective Archaean greenstone terrane (interpreted as northern extension of the Eastern Goldfields Province) within a region of major gold endowment and production.

The Ned’s Creek project is subject to a Farm-In and Joint Venture with Vango Mining Limited whereby Vango are earning a 51% interest by spending \$5M over 3 years. The Camel Hills project is subject to a Farm-In agreement with private company GoldFellas Pty Ltd, whereby GoldFellas can earn up to a 51% interest by funding \$800,000 of exploration expenditure over 18 months.

The Imbin gold/copper project north of Wiluna, includes extensive historic gold-copper anomalies and is prospective for VHMS, SEDEX and orogenic gold mineralisation.

Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Bill Clayton, Managing Director, who is a Member of the Australasian Institute of Geoscientists and has sufficient experience of relevance to the styles of mineralisation and the types of deposits under consideration, and to the activities undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Clayton consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

The information in this announcement that relates to previously released exploration results was disclosed under JORC 2012 in the ASX announcements dated

- 12th June 2018 “Confirmation of Exceptional Gold Grades at Contessa”.
- 11th August 2020 “Camel Hills Farm out to Fund Major Drilling Program”.

These announcements are available to view on the Lodestar website. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement. 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 market announcement.

DIAMOND DRILLING TO TEST KEY HIGH-GRADE TARGETS AT NEDS CREEK

- **Three diamond drillholes (DDH's) planned for Ned's Creek, Contessa Corridor:**
 - **Two DDH's testing Contessa, down-plunge of previous intersection: 4m @ 78 g/t Au¹**
 - **One DDH testing the projection of the Gidgee Flat mineralisation northeast under Proterozoic cover associated with a key flexure in the mineralised Syenite contact**
- **Further resource definition infill drilling to follow, subject to the success of this program**

Vango Mining Limited (Vango, ASX:VAN) is planning to drill three diamond drillholes into key high-grade targets in the Contessa Corridor on the Ned's Creek Joint Venture Project, where Vango is earning 51% from Lodestar Minerals Ltd (Lodestar, ASX:LSR) (refer 'about the Ned's Creek JV'). Ned's Creek is located immediately southeast of the Company's 100% owned Marymia Gold Project, located 300km northeast of Meekatharra in the Mid-West region of Western Australia (Figure 1).

The initial two diamond drillholes will test immediately down plunge to the northeast of previous high-grade intersections at Contessa:

- 4m @ 78 g/t Au from 140m in LNR026¹, and,
- 5.1m @ 28.1 g/t Au from 143m in diamond drillhole LND003²

In addition, examination of previous diamond drilling of the Gidgee Flat prospect (e.g. LND004 6.01m at 2.0g/t Au from 206.45m², a twin hole to LNRC039: 11m at 5.8g/t Au from 195m¹) indicates that mineralisation is associated with intense pyritization of mafic rocks, in contact with Syenite 'veins' with Haematite (see LND004 diamond drillcore from 211.68m: 6.94 g/t Au² below).



Image 1: diamond drill-core LND004, 211.68m (6.94 g/t Au) with Haematitic Syenite and pyritization

Syenite outcrops to the north of Gidgee Flat and, importantly, a mineralised east-west trending fault structure within the Syenite, associated with highly elevated Bismuth values, projects into an area of Proterozoic cover between Gidgee Flat and the Central Park prospects which has not been drill-tested. There is a major flexure in the Syenite/Mafic contact in this covered zone interpreted from magnetics (see Figure 2) that will be tested with the third diamond drillhole in the program.

This diamond drilling program will commence in approximately two weeks, upon completion of the diamond drilling program in progress at PHB-1 on the Company's Marymia Project.

Subject to results, Stage 2, resource definition drilling will be planned for the highly prospective Contessa Corridor (Figure 2).

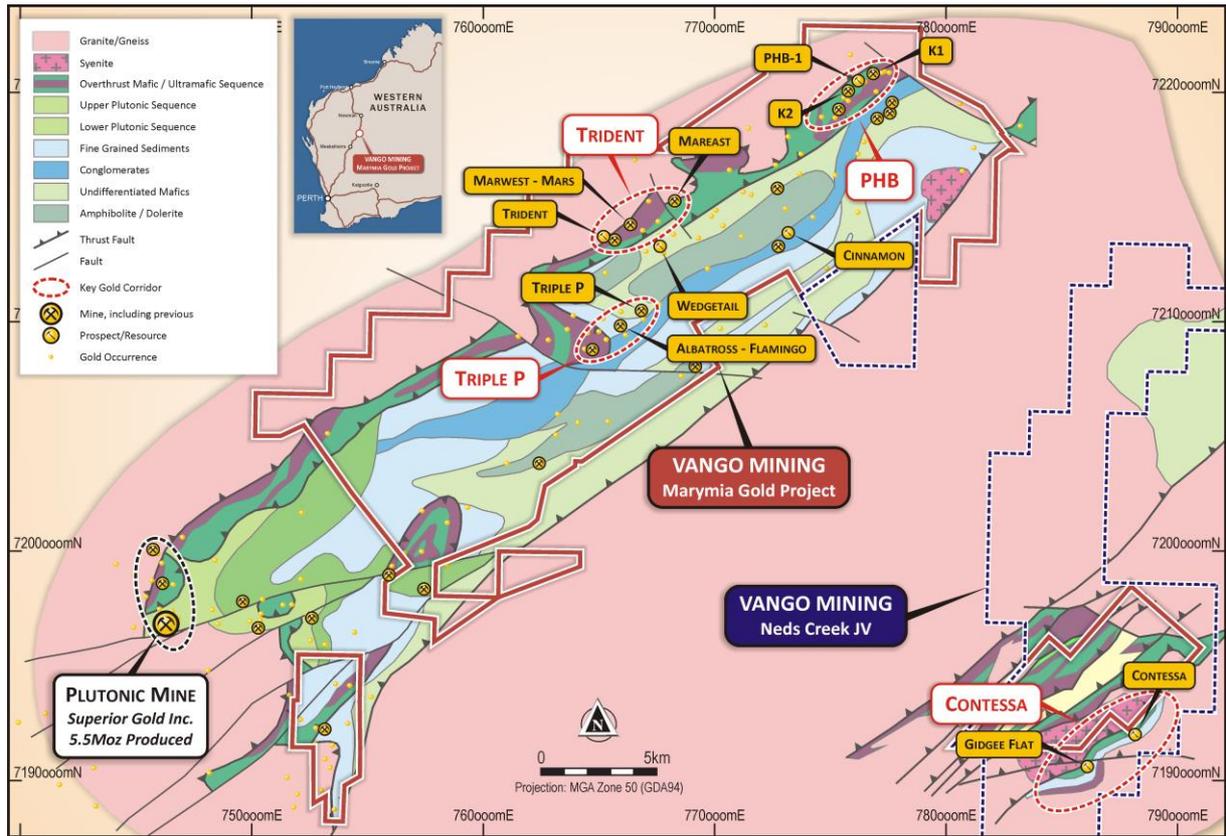


Figure 1: Marymia Gold Project and Ned's Creek tenements with key target corridors

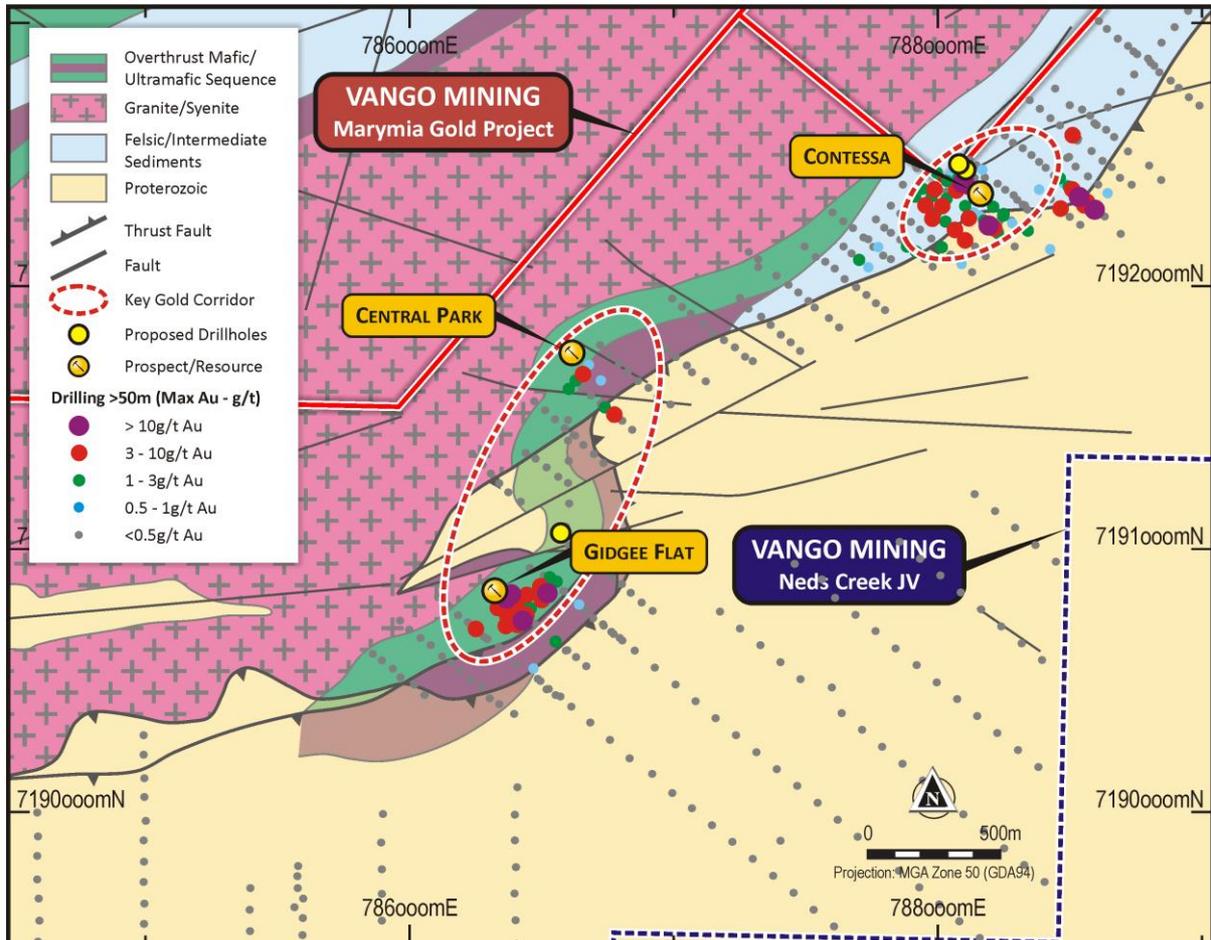


Figure 2: Ned's Creek Project, Contessa Corridor, Contessa & Gidgee Flat prospects with drill-targets

About the Ned's Creek JV

The Ned's Creek Project is located 20km to the southeast of Vango's Marymia Gold Project (Figures 1 and 3) and comprises 7 Exploration Licences (EL's) adjoining the Yowereena JV tenements, comprising 4 Mining Leases (ML's).

Previous drilling by Lodestar has delivered multiple high-grade gold intersections^{1, 2, 4} within the approximately 3km strike length of the Contessa Corridor, from Gidgee Flat to the Contessa Prospect, along the southeast margin of an intrusive Syenite (Figure 2). Syenites are associated with major gold deposits in other parts of the Yilgarn Craton, including the world-class Wallaby gold deposit in the Laverton District.

Upon exercise of the Option, on 17 July 2019³, Vango commenced earning a 51% interest in the Ned's Creek tenements by expending \$5 million (including the Option Fee of \$0.5M) on exploration over a three-year period, with a minimum spend of \$1 million per annum for the first 2 years and the balance in year 3.

Upon Vango earning 51%, should Lodestar elect not to form a contributing JV, Vango may increase its interest in the Neds Creek JV to 80% and Lodestar may revert to a 20% interest.

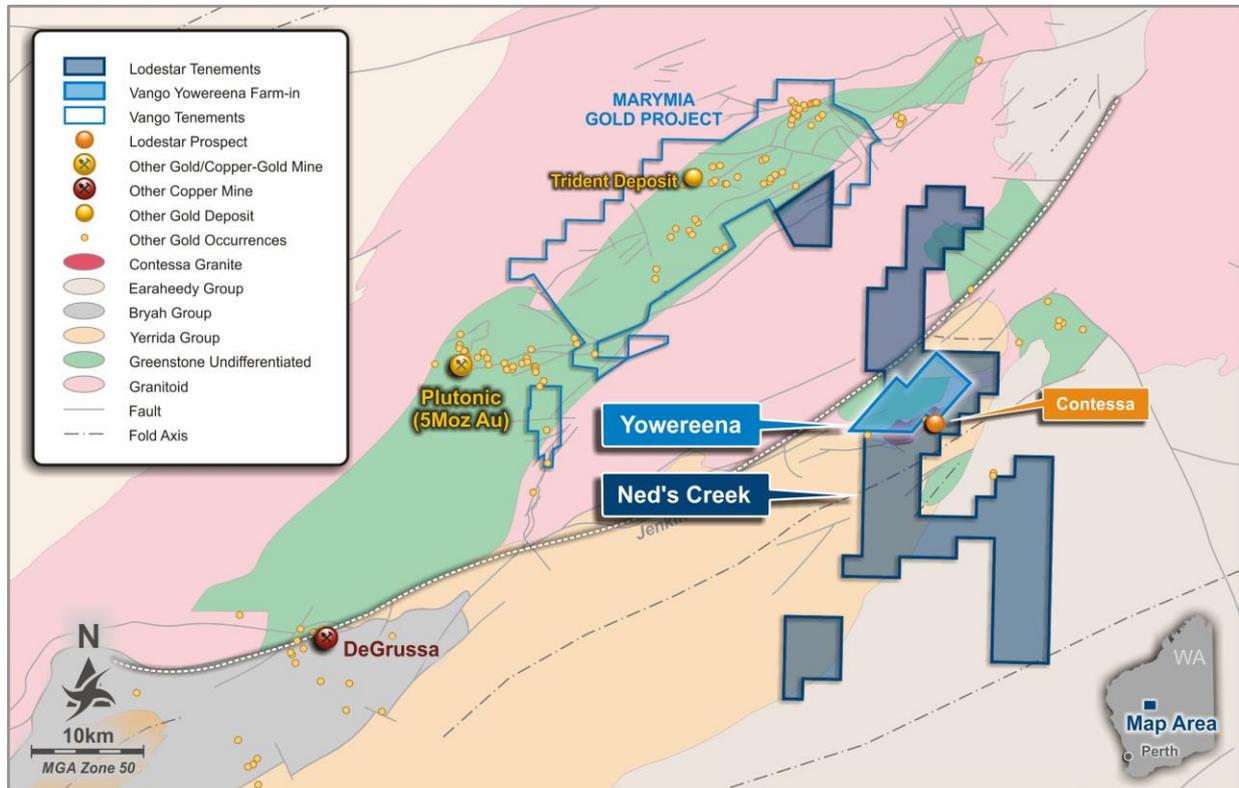


Figure 3: Ned's Creek tenements including Contessa Prospect location, adjacent to Marymia Gold Project

About Vango Mining Limited

Vango Mining Limited (Vango or the Company) is an exploration and mining development company primarily focused on exploring and developing the Company's key asset, the Marymia Gold Project (Marymia), located in the Mid-West region of Western Australia (Figure 4).

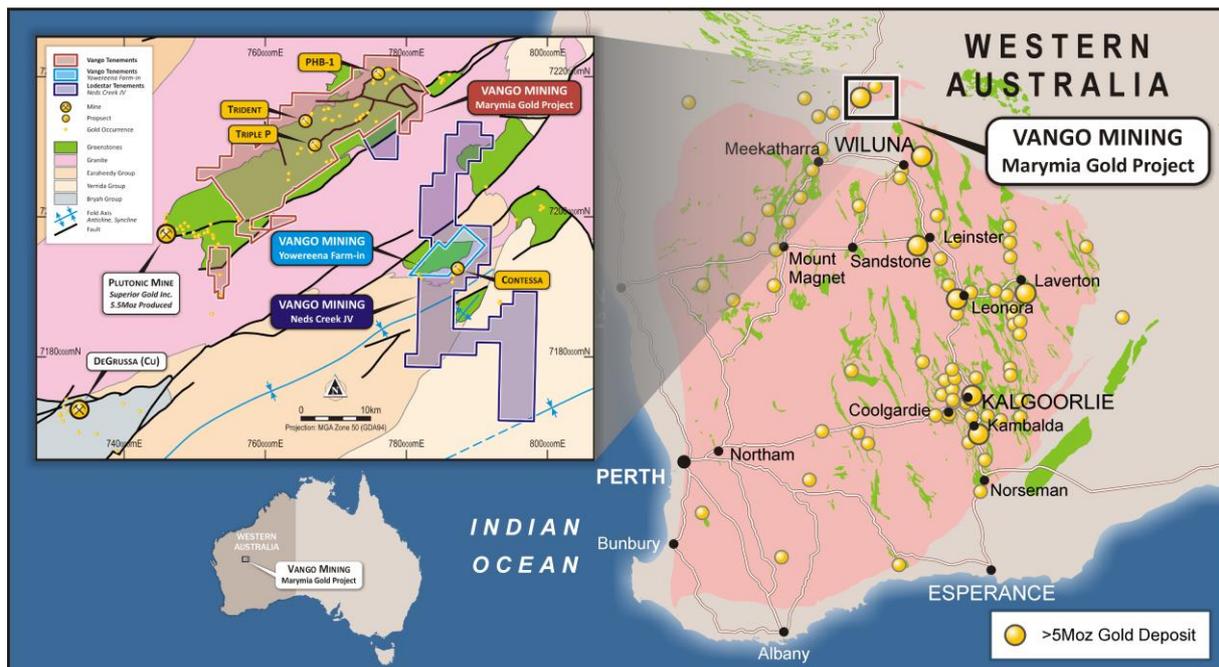


Figure 4: Location of Marymia Gold Project in the Yilgarn block of Western Australia

Competent Persons Statements

The information in this report that relates to exploration results has been reviewed, compiled and fairly represented by Mr Jonathon Dugdale, a Fellow of the Australian Institute of Mining and Metallurgy (“FAusIMM”) and a full time employee of Discover Resource Services Pty Ltd. Mr Dugdale has sufficient experience, including over 34 years’ experience in exploration, resource evaluation, mine geology and finance, relevant to the style of mineralisation and type of deposits under consideration to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (“JORC”) Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves. Mr Dugdale consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

Forward Looking Statements

Certain statements contained in this announcement, including information as to the future financial or operating performance of the Company and its projects, may be forward-looking statements that:

- may include, among other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by the Company, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

- ENDS -

Previous ASX releases referenced in this ASX release:

- ¹ LSR ASX 22/5/2018. Outstanding RC Drill Results at Gidgee Flat and Contessa
- ² LSR ASX 9/10/2018. Diamond Drilling Returns High Grades at Contessa and Gidgee Flat
- ³ VAN ASX 17/07/2019. Vango Exercises Option – Ned’s creek High-Grade Gold Project ASX
- ⁴ LSR ASX 12/06/2018. Confirmation of Exceptional Gold Grades at Contessa

Authorisation

This market announcement has been authorised for release by the Board of Vango Mining Limited.

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