

# Windalah Copper – Gold Prospect Diamond Drilling Commenced

## HIGHLIGHTS

- ~800m diamond drilling program commenced
- Targeting Cu-Au VMS mineralisation 300m and 500m depth
- Deep VMS targets are a product of multiple lines of strong geological evidence
- WA State Government EIS Co-funding for \$140,000 <sup>1</sup>

Bryah Resources Limited (ASX: BYH, “Bryah” or “the Company”) is pleased to announce that it has commenced diamond drilling at its Bryah Basin Windalah copper gold project. Bryah was granted \$140,000 in the Western Australian Government’s EIS (Exploration Incentive Scheme) to test the Windalah VMS target. The diamond drilling program will utilise pre-collars drilled in June while drilling the Olympus project.

Commenting on the announcement Bryah CEO Ashley Jones said:

*“Our geological team have been awaiting this drill program since we first observed the VMS sulphide stringers in the 2021 diamond drilling. Structural, geochemical and hyperspectral targeting has identified these deeper targets.*

*We are following up previous work where we have identified and observed: VMS type sulphide mineralisation, syn-volcanic faulting, and secondary copper minerals observed in drill core. For a junior exploration company, we have all the right geological attributes in the right geological setting”.*

## WHY

- High tenor geochemical anomaly in surface sampling and drilling results
- Up to 5.45m of massive, laminated sulphides interpreted as sedimentary exhalative in origin
- Up to 140m of sulphide stringers seen in diamond core interpreted as VMS style stringers within a silica-sericite-chlorite-pyrite altered feeder structure<sup>2</sup>
- Evidence of syn-volcanic faulting and stratigraphic asymmetry – common in VMS mineralisation systems

<sup>1</sup> See ASX announcement dated 2<sup>nd</sup> May 2022 ‘Bryah Secures \$140,000 Drilling Grant’

<sup>2</sup> See ASX announcement dated 12<sup>th</sup> April 2022 ‘Volcanogenic Massive Sulphide (VMS) system with copper-gold potential confirmed at Windalah



- Secondary copper minerals including Bornite, Chalcopyrite and Malachite observed<sup>2</sup>
- Structural intersection of syn-VMS veins and stratigraphy indicate plunging target orientation.
- The Narracoota Formation is host to other major copper deposits including DeGrussa, and Horseshoe Lights.
- Evidence of VMS mineralisation also identified at the near-by Olympus prospect<sup>3</sup>

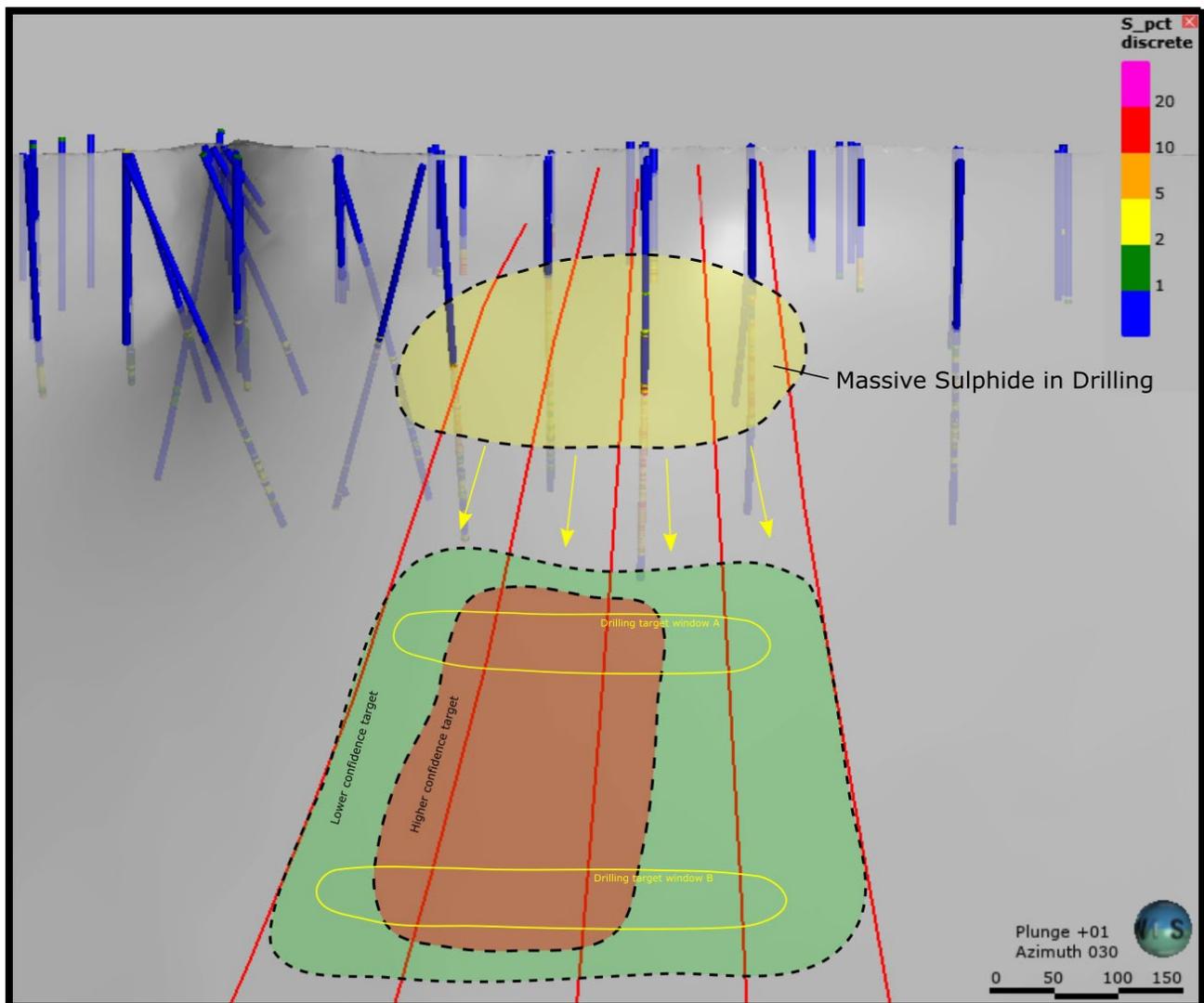


Figure 1 Winalah deep target window resolved after recent diamond drilling. View is looking at the ore stratigraphic horizon from the southwest and plunging towards the viewer. Red lines are trace of syn-VMS vein intersection with the ore stratigraphic horizon which defines the plunging target window to depth

VMS systems in the Bryah Basin are known to host high-grade copper-gold deposits such as Sandfire's DeGrussa and Monty mines and the historical Horseshoe Lights mine, located 13

<sup>3</sup> See ASX announcement dated 13<sup>th</sup> September 2022 'Olympus Prospect confirmed VMS type Copper-Gold from Co-funded drilling'

kilometres to the north of Bryah’s Windalah Prospect. The exploration target at Windalah occupies the same stratigraphic position as the Horseshoe Lights deposit. The geochemical, hyperspectral and structural information from diamond core in recent drilling has allowed the Company to refine its targeting with this EIS co-funded drilling program.

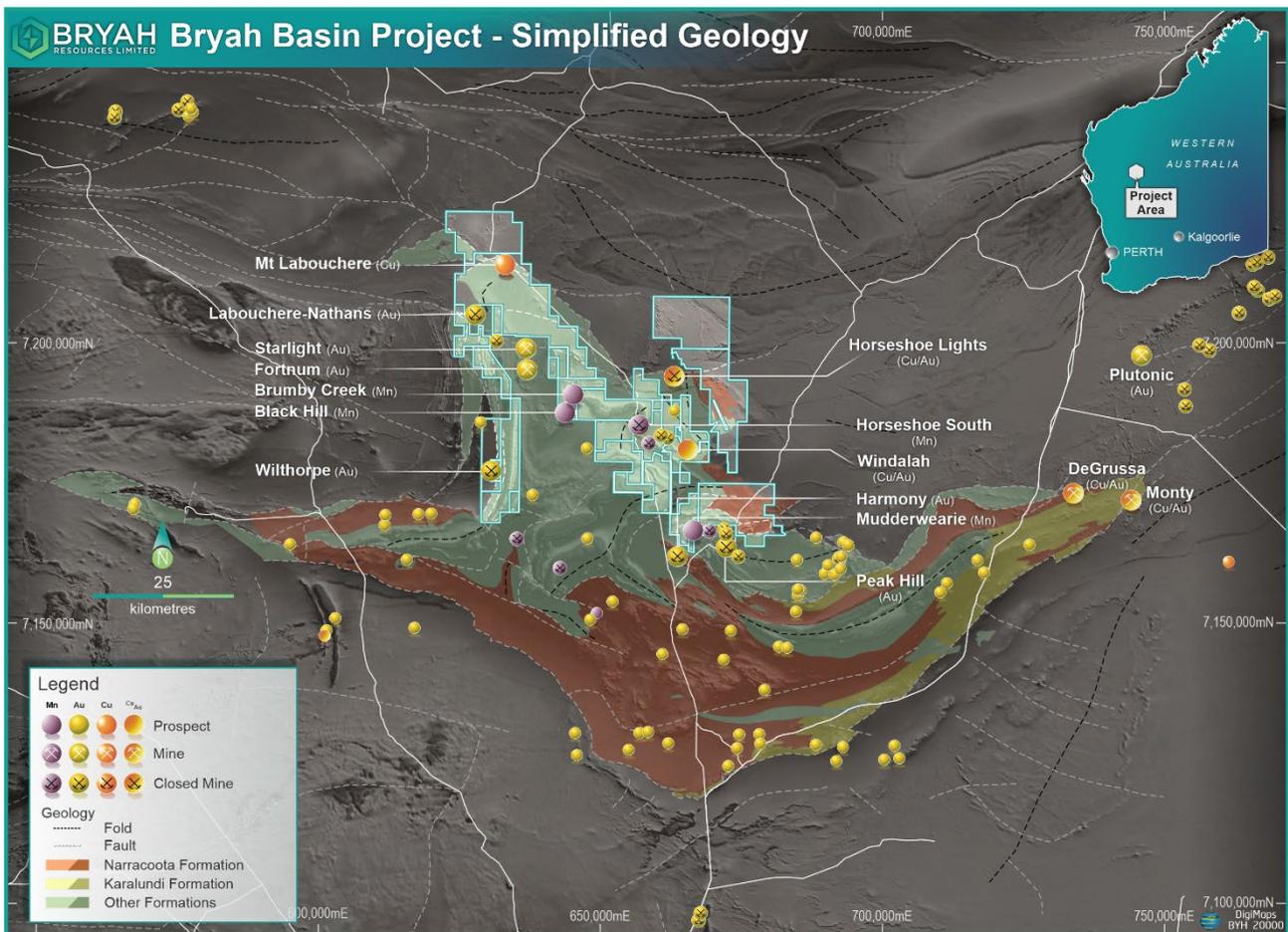


Figure 2: Bryah Basin Tenements and Regional Geology Map.

## Regional Geological Interpretation

Windalah lies on the southern limb of the Mars Dome, which forms part of a series of double-plunging anticlinal dome structures in the northern Bryah Basin. This is termed the Aquarius trend and consists also of the Saturn and Jupiter Domes to the north-west. These dome structures connect laterally with outcropping Narracoota Formation to the northeast through a series of possible covered dome and basin structures (Figure 3).

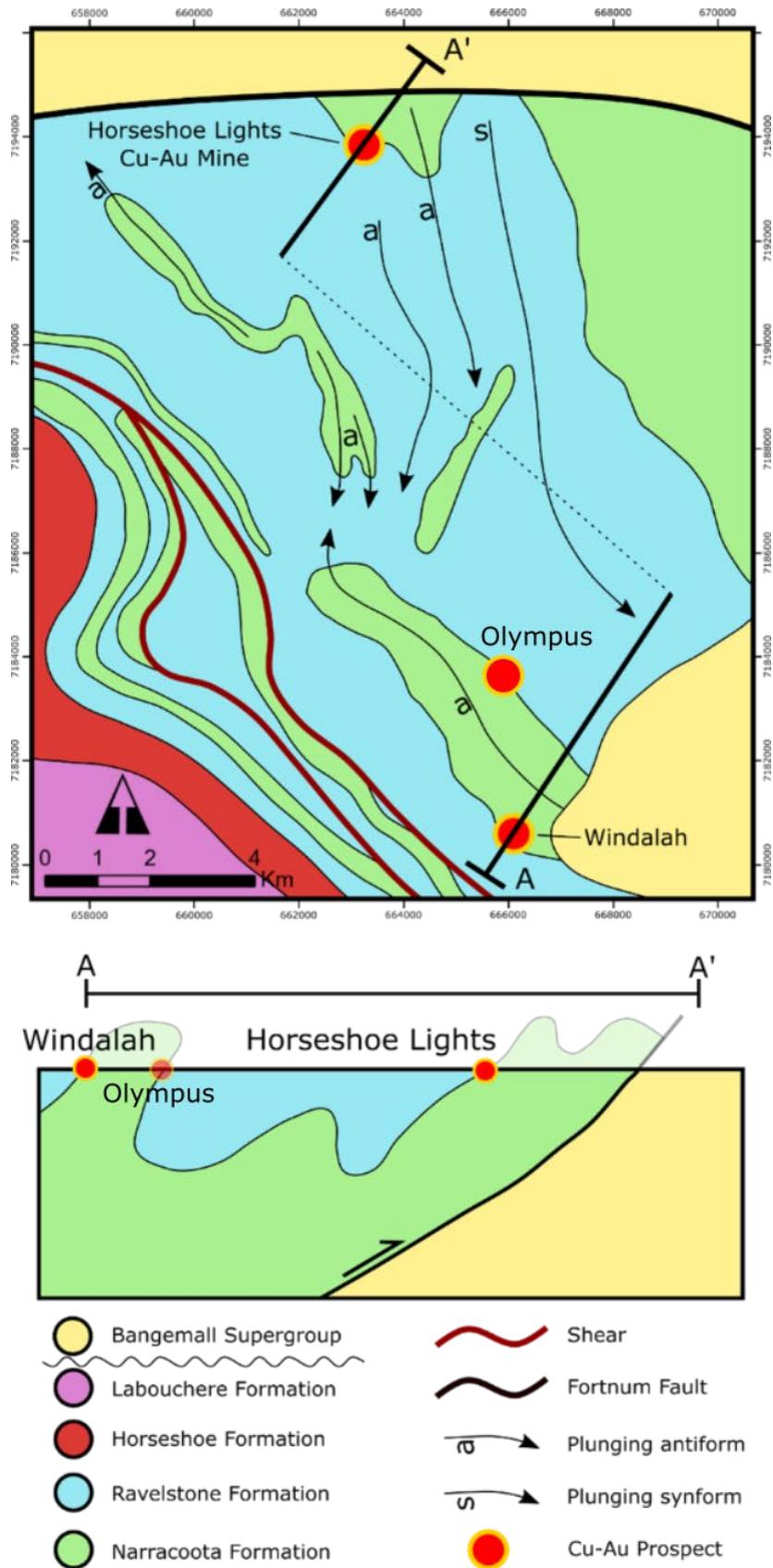


Figure 3: Schematic regional geological map and cross section of the Horseshoe Lights / Aquarius Trend area

The core of the Mars Dome consists of Upper Narracoota Formation volcanic rocks. The contact with overlying Ravelstone Formation sediments (that traces the flanks of the dome structure) is marked by an intermediate-felsic transition facies that is lithologically and geochemically similar to the Horseshoe Lights mine stratigraphy and may represent an evolved, fertile magmatic setting for the development of shallow marine VMS deposits.

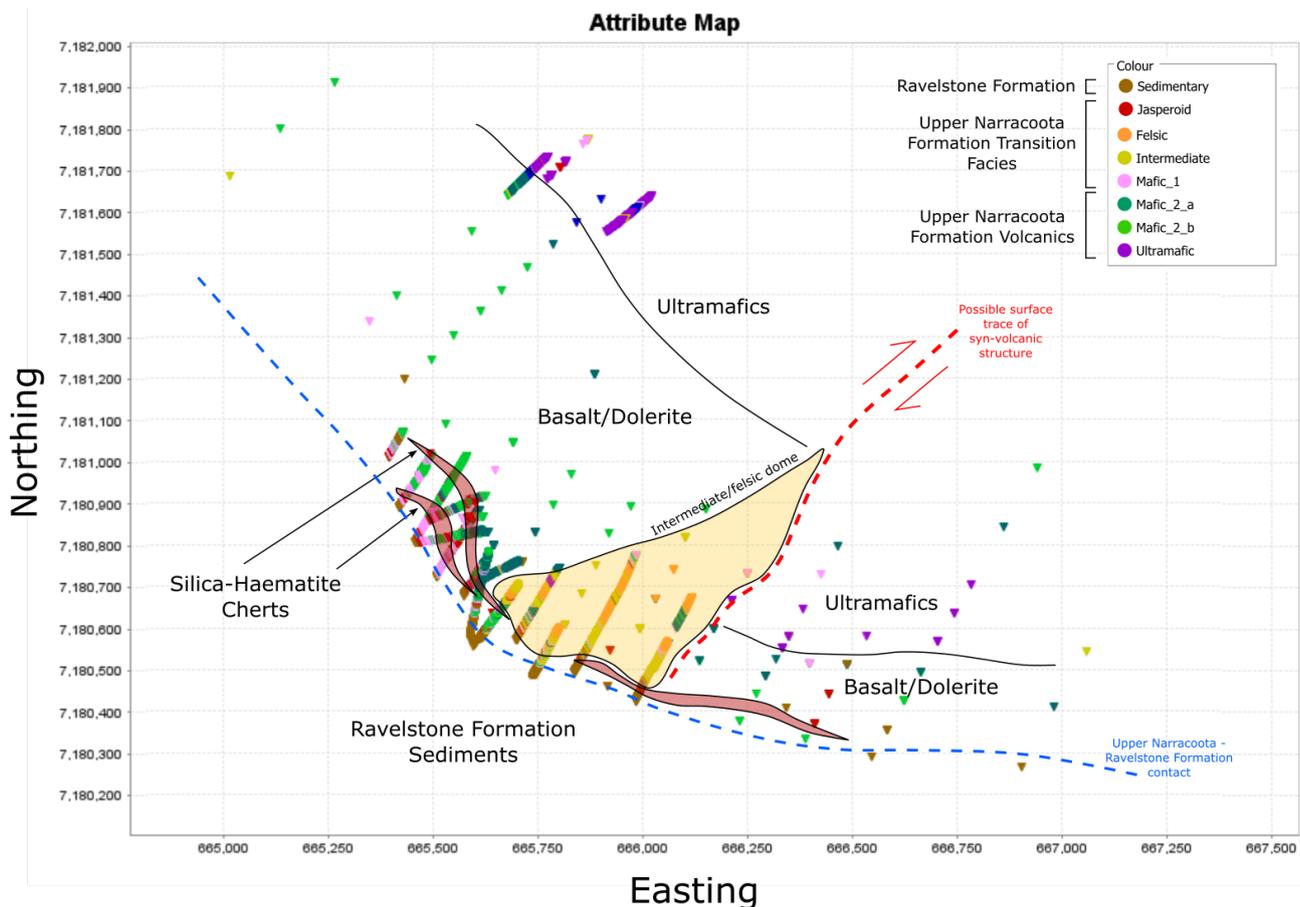


Figure 4 Interpreted syn-volcanic fault at Windalah. a key component of a VMS style mineralisation.

For further information, please contact:

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*This announcement has been produced in accordance with the Company's published continuous disclosure policy and has been approved by the Board*

## ABOUT BRYAH RESOURCES

Bryah's assets are all located in Western Australia, a Tier One global mining and exploration jurisdiction. Strategically the Projects are energy metals focused, or able to exploit synergies of geological knowledge, locality and exploration.

The prospective Bryah Basin licences cover 1,048km<sup>2</sup> and have a potential new Volcanogenic Massive Sulphide (VMS) 'Horseshoe Lights type' mine analogue at the Windalah prospect, and multiple other similar untested targets. The area also contains extensive outcroppings of manganese, the subject of a substantial \$7M joint venture with ASX listed OM Holdings Limited (ASX: OMH). OMH is a vertically integrated manganese producer and refiner with a market capitalisation of over \$600m. Bryah and OMH have an excellent working relationship, with OMH having already spent over \$3 million to earn-in to the Manganese Rights of the Project.

Gabanintha, near Meekatharra, has a JORC 2012 Mineral Resource for Cu, Ni, Co<sup>4</sup> and additional structural gold potential. The copper nickel resource and recently identified gold mineralisation at Gabanintha will be the subject of further drill definition and a prefeasibility study to integrate the project with the Australian Vanadium Project (ASX: AVL). The resource has been defined by the drilling efforts of AVL in the development of its vanadium project and enabled Bryah to define a base metal resources inventory.

Bryah's base metals inventory at Gabanintha and manganese JV in the Bryah Basin have a clear pathway to production, which will be significantly advanced in 2022 by the commencement and completion of metallurgical feasibility studies at both projects.

An option agreement has been signed over the Lake Johnston tenements which are prospective for battery metals lithium and nickel. On IPO the option holder Mining Green Metals Ltd will pay 5 million shares for 51% of the project, with another 5 million shares for the remaining 49%. The corridor near Lake Johnston contains significant mines and discoveries of nickel and lithium, including the Mount Holland Lithium Mine and the historical Maggie Hays/Emily Ann nickel deposits.

Bryah holds 20.75% of gold focused Star Minerals (ASX:SMS). Star has a Mineral Resource at Tumblegum South and exploration prospects in the West Bryah Basin.

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<sup>4</sup> See ASX announcement dated 25th May 2022 '*36.0 MT Ni-Cu-Co Mineral Resource at Gabanintha*'

## Forward Looking Statements

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*This report may contain certain “forward-looking statements” which may not have been based solely on historical facts, but rather may be based on the Company’s current expectations about future events and results. Where the Company expresses or implies an expectation or belief as to future events or results, such expectation or belief is expressed in good faith and believed to have a reasonable basis. However, forward looking statements are subject to risks, uncertainties, assumptions and other factors which could cause actual results to differ materially from future results expressed, projected or implied by such forward-looking statements. Readers should not place undue reliance on forward looking information. The Company does not undertake any obligation to release publicly any revisions to any “forward looking statement” to reflect events or circumstances after the date of this report, or to reflect the occurrence of unanticipated events, except as may be required under applicable securities laws.*

## COMPETENT PERSON STATEMENT – EXPLORATION RESULTS AND EXPLORATION TARGETS

The information in this announcement that relates to Exploration Results is based on information compiled by Mr Tony Standish, who is a Member of the Australian Institute of Geoscientists. Mr Standish is a consultant to Bryah Resources Limited (“the Company”). Tony Standish has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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’. Tony Standish consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information included in announcements referred to and all material assumptions and technical parameters underpinning exploration results and Mineral Resource estimates within those announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not materially changed from the original announcement.