Multiple Massive and Semi Massive Nickel Sulphide Zones Intersected at Luhuma Central

HIGHLIGHTS

- Fourth diamond drillhole has intersected multiple zones of massive, semi-massive and disseminated nickel sulphide from 250m to 323m
- Four distinct zones of sulphides were intersected, ranging in thickness from 1.12m to 7.5m
- Drilling targeted the DHEM conductor identified, returning the greatest cumulative thickness of massive and semi-massive sulphides to date, totalling 21.55m
- The multiple zones appear to represent a thickening of the conductor to the south
- All four completed drillholes completed at Luhuma Central have intersected sulphides showing an open-ended strike extent of 200m

Adavale Resources Limited (ASX: ADD) ("or the Company") is pleased to advise that four zones totalling 21.55m of massive, semi-massive and disseminated nickel sulphides were intersected from 250m to 323.2m in DDLUHC004 at Luhuma Central (see Figures 2 and 3).

Adavale's Executive Director, David Riekie, commented:

"Results from the current drilling at Luhuma Central are extremely pleasing and DDLUIHC004 is no exception. To date, all four drillholes have intersected nickel sulphides and with our disciplined approach, we are now confident of ongoing success on this target.

"We will continue to use DHEM to survey completed drillholes to orientate drilling to target the primary conductor identified at Luhuma Central.

"Drillhole DDLUHC005 is currently being planned to test the extent of the SW extension and down dip potential, given the broad zones of mineralisation intersected.

"Drilling is also continuing at HEM2, 10km to the south, with updates expected shortly."

ASX: ADD

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ABOUT ADAVALE

Adavale Resources is an ASX-listed exploration company targeting projects in the 'battery materials' space. The company is currently focused on both its 100% owned Kabanga Jirani Nickel Project and 2 Farm-in 'Luhuma' licences adjacent and along strike from the world's largest undeveloped high grade NiS resource of 58Mt @ 2.62% Ni. Adavale is also progressing exploration on its 100% owned uranium tenements in South Australia



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Technical Summary and interpretation

Drillhole DDLUHC004 is situated approximately 200m to the south of drillhole DDLUHC003, which intersected 7.55m of massive sulphides from 261.7m, in addition to a separate interval of 5.13m of massive and/or blebby sulphides from 237.4m (*refer to ASX announcement dated 25 July 2023: Figure 1 and Table 1*).

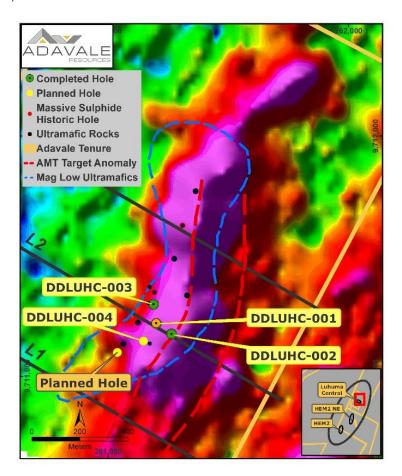


Figure 1: Plan view of current and proposed drill hole locations (yellow dots) at Luhuma Central plus historical holes (red dot massive sulphides intersected, black dots indicate ultramafic rocks intersected) together with location of the AMT lines L1 to L3 that have been surveyed by Adavale. Blue outline reflects the magnetic low interpreted to be the host mafic-ultramafic intrusion and the red corridor is the AMT anomaly projected to surface and interpreted as the mineralised trend. The background Colour image represents gridded C25 (db/dt) from the NRG Xcite airborne EM survey.

DDLUHC004 core is concurrently being cut for assay and the hole cased in preparation for Downhole Electromagnetic (**DHEM**) surveying. The DHEM survey team remains at site and will continue surveying completed holes at Luhuma Central.

The sulphide zones intersected in DDLUHC004 between 250m to 323m are dominated by pyrrhotite with between 1% to 5% pentlandite and minor pyrite and chalcopyrite. Handheld XRF readings returned results between 1.40% and 2.70% Ni within the massive sulphides and 0.5% to 0.6% Ni in the disseminated sulphides.

While the Company takes every reasonable measure to ensure the reliability and accuracy of the XRF devices by regular calibration checks against certified standards and is confident of the reported values, the readings are point measurements on core or core chips and therefore may not reflect the assayed grade of the broader sampled interval.

Initial assay results expected within 3 to 4 weeks.

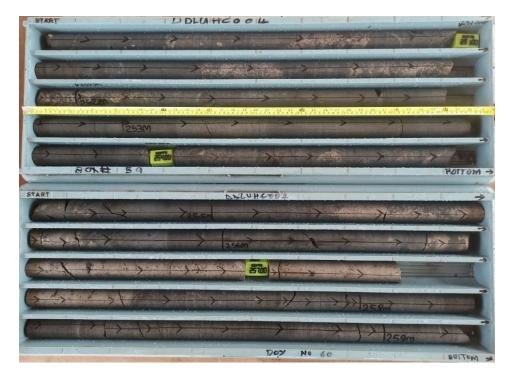


Figure 2: Photograph of Semi-Massive and Massive Sulphides between 250.20m and 257.50m



 $\textbf{Figure 3:} \ \ \textbf{Photograph of Semi-massive sulphides from 286.70m to 294.20m}$

Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations.

The Company regularly uses a portable hand-held XRF analyser to screen drill core for mineralisation before cutting and sampling. This allows for some understanding of the distribution of mineralisation prior to sampling to better ensure that the sampled core is representative of the type and style of mineralisation. Numerous readings are obtained and recorded for future reference. The hand-held XRF provides confirmation that mineralisation is present however it is not an accurate determination of the elemental concentration within the sample analysed. Limitations include very small analysis window, possible inhomogeneous distribution of mineralisation, analytical penetration depth and possible effects from irregular rock surface. The pXRF readings are subject to confirmation by chemical analysis from an independent laboratory.

Luhuma Central Diamond Drilling Program and DHEM Surveys

Adavale has now successfully completed four diamond drillholes at Luhuma Central, all situated within Prospecting Licence, PL 23980/2023 (*referred to as Luhuma Central*). The drilling is part of 5,000m combined diamond (**DD**) and reverse circulation (**RC**) drill program designed to test a series of targets within the Company's Kabanga Jirani Nickel Project. The mineralised intercepts to date, including DDLUHC004, are as follows:

Drillhole ID	Nature of Mineralisation	From (m)	To (m)	Thickness (m)
DDLUHC001	Massive Sulphide	223.35	227.5	4.15
DDLUHC002	Blebby Sulphide	200.7	205.6	4.90
DDLUHC003	Massive Sulphide	261.7	269.25	7.55
DDLUHC004	Semi-Massive Sulphide	250.20	256.42	6.22
DDLUHC004	Massive Sulphide	256.42	257.54	1.12
DDLUHC004	Disseminated Sulphide	286.70	294.20	7.50
DDLUHC004	Alternating interspersed narrow Semi-massive and Massive Sulphide	316.26	323.00	6.74

Drillholes completed to date are tabulated below.

Drillhole ID	Easting	Northing	Elevation	Azimuth	Dip	Length (m)
DDLUHC001	261206	9711222	1508	120	-60	300.9
DDLUHC002	261267	9711177	15131	120	-60	451.3
DDLUHC003	261182	9711297	1515	115	-60	361.3
DDLUHC004	261149	9711143	1522	120	-65	386.0

Next Steps

The Company currently has two drill rigs operating within the Luhuma trend - one rig is focused on Luhuma Central step out drilling, to test both depth and strike extensions of the massive nickel sulphide intersections, whilst the multipurpose rig is presently focussed on "deeper" 500m+ high priority targets at HEM2.

Included in the upcoming news flow will be:

- Visual interpretation from drilling planned holes (at LUHC and HEM2), as appropriate;
- Aqua regia and full acid digest drillhole assay results;
- Downhole EM results; and
- DD drilling HEM2 NE and RC drilling at HEM2 E and HEM4.

This announcement is authorised for release by the Board of Adavale Resources Limited.

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References/ Previous ASX Releases

¹ See ASX:ADD release on 22 May 2023 titled "Geologically Significant Nickel Sulphide Licence Granted".

²Evans, D. M., Hunt, J. P. P. M. and Simmonds, J. R., 2016. An overview of nickel mineralisation in Africa with emphasis on the Mesoproterozoic East African Nickel belt (EANB). Episodes, 39/2, 319-333. DOI: 10.18814/epiiugs/2016/v39i2/95780; see also ASX:ADD release 16 December 2021 "Adavale Discovers Significant Mafic-Ultramafic Intrusion".

³See ASX:ADD release on 4 April 2023 titled "Nickel Sulphide Drill Targets and 15km Soil Anomaly Defined".

⁴See ASX:ADD release on 6 June 2023 titled "Massive Nickel Sulphides Intersected at Kabanga Jirani".

⁵See ASX:ADD release on 19 June 2023 titled "ADD Continue to Intersect Zone of Strong Nickel Sulphides".

⁶See ASX:ADD release on 11 July 2023 titled "Assays confirm Massive Nickel Sulphides at Luhuma Central Prospect".

⁷See ASX:ADD release on 25 July 2023 titled "ADD Replicates Maiden Massive Nickel Sulphide Intersection".

⁸See ASX:ADD release on 4 August 2023 titled "DHEM Delivers Massive Sulphides Extensions".

Competent Persons Statement

The information in this release that relates to "exploration results" for the Project is based on information compiled or reviewed by Mr David Dodd of MSA, South Africa. Mr Dodd is a consultant for Adavale Resources Limited and is a member of the SACNASP. Mr Dodd has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration as well as to the activity that is being undertaken to qualify as a Competent Person under the ASX Listing Rules. Mr Dodd consents to this release in the form and context in which it appears.

Cautionary Statements

Visual estimates of mineral abundance should never be considered a proxy or substitute for laboratory analyses where concentrations or grades are the factor of principal economic interest. Visual estimates also potentially provide no information regarding impurities or deleterious physical properties relevant to valuations.

The Company regularly uses a portable hand-held XRF analyser to screen drill core for mineralisation before cutting and sampling. This allows for some understanding of the distribution of mineralisation prior to sampling to better ensure that the sampled core is representative of the type and style of mineralisation. Numerous readings are obtained and recorded for future reference. The hand-held XRF provides confirmation that mineralisation is present however it is not an accurate determination of the elemental concentration within the sample analysed. Limitations include very small analysis window, possible inhomogeneous distribution of mineralisation, analytical penetration depth and possible effects from irregular rock surface. The pXRF readings are subject to confirmation by chemical analysis from an independent laboratory.

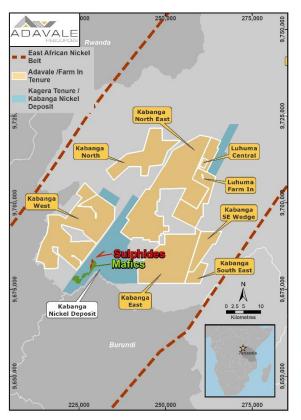
Forward looking statements

This document contains forward-looking statements concerning Adavale. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by the Company, or on behalf of the Company. Such factors include, among other things, risks relating to additional funding requirements, metal prices, exploration, development and operating risks, competition, production risks, regulatory restrictions, including environmental regulation and liability and potential title disputes. Forward looking statements in this document are based on Adavale's beliefs, opinions and estimates of Adavale as of the dates the forward-looking statements are made, and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments. Although management believes that the assumptions made by the Company and the expectations represented by such information are reasonable, there can be no assurance that the forward-looking information will prove to be accurate. Forward-looking information involves known and unknown risks, uncertainties, and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any anticipated future results, performance or achievements expressed or implied by such forward-looking information. Such factors include, among others, the actual market price of nickel, the actual results of future exploration, changes in project parameters as plans continue to be evaluated, as well as those factors disclosed in the Company's publicly filed documents. Readers should not place undue reliance on forward-looking information. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws. No representation, warranty or undertaking, express or implied, is given or made by the Company that the occurrence of the events expressed or implied in any forward-looking statements in this document will actually occur.

ABOUT ADAVALE

Adavale Resources Limited (ASX:ADD) is a nickel sulphide exploration company that holds 100% of the Kabanga Jirani Nickel Project, a portfolio of 12 highly prospective granted licences covering ~1,216km² along the Karagwe-Ankolean belt in Tanzania. The six southernmost licences are proximal to the world-class Kabanga Nickel Deposit (58Mt @ 2.62% Ni). Adavale has farmed-in to two more highly prospective licences contiguous to our seven southernmost licences, adding a further 99km² to the portfolio 1,315sq km). Adavale's licences were selected based on their strong geochemical and geophysical signatures from the previous exploration undertaken by BHP.

Adavale also holds exploration licences for their sedimentary uranium potential within the northern part of the highly prospective Lake Frome Embayment in South Australia.





Appendix 1

Adavale Resources Limited – Reverse Circulation and Diamond Drilling Program - Kabanga Jirani Nickel Project JORC Code Edition 2012: Table 1

Section 1: Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

JORC Code Explanation	Commentary
	Africa) along with QAQC samples which will form 15% of all samples submitted and will include certified blanks and Ni standards.
Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	Combination of RC and diamond drilling using NQ sized core. Current depth limit of RC drilling is 150m and for diamond drilling is 600m.
Method of recording and	For RC Drilling
recoveries and results assessed. • Measures taken to maximise sample recovery and ensure representative nature of the samples.	Bulk sample retrieved from the cyclone, sample is put through the riffler and 2 to 3 kg sample retrieved for analyses (if required). Chips from this sample are extracted by washing some of the sample material – these chips are placed in a chip tray in order to keep a record of lithologies for each metre drilled. The riffler is cleaned with compressed air between sample collection to prevent contamination.
between sample recovery and	For Diamond Drilling
grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	RQD measurements are taken of core to record recovery. Nature of mineralisation is not nuggety and prone to strong variations in grade that correlate to core loss or loss of fines. Sample length may be compromised when drilling through massive sulphides where core loss is often prevalent.
Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Passaurce estimation	The following is recorded for each interval in the lithology log: Borehole ID, From and to depths, lithology code, weathering, colour, grain size, rock texture and contact type and angle
mining studies and metallurgical studies.	The following is recorded for each mineralized interval in the mineralisation log: borehole ID, from and to depths, mineralisation type, mineralisation
Whether logging is qualitative or quantitative in nature. Core (or	style and mineralisation abundance (usually as a sulphide percentage)
costean, channel, etc) photography.	Chips from RC drilling are stored in a chip tray with a representative sample captured for every metre.
The total length and percentage of the relevant intersections logged.	
 If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation technique. 	Drill core has been cut in half with half core remaining in the core tray and the other half submitted to the laboratory. Where the lithology is uniform samples are taken at 1 m intervals otherwise sample lengths are dictated by geological contacts. RC material has been captured for every metre drilled. For details of sampling technique see "Sampling techniques" section.
	 Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc). Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material. Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. The total length and percentage of the relevant intersections logged. If core, whether cut or sawn and whether quarter, half or all core taken. If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. For all sample types, the nature, quality and appropriateness of the sample preparation

Criteria	JORC Code Explanation	Commentary
	Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.	
	Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.	
	Whether sample sizes are appropriate to the grain size of the material being sampled.	
Quality of assay data and laboratory tests	 The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. For geophysical tools, 	Core samples will be analysed by ALS laboratory in South Africa. An aqua regia digest will be used to avoid the inclusion of silicate Ni. CRM's, blanks and standard will be inserted to verify laboratory accuracy, precision or bias. QAQC samples will form 15% of all samples submitted. In some instances a four acid digest will also be used and some samples.
	spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.	four acid digest will also be used and some samples may be analysed by SGS in Tanzania.
	Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative	Chips from RC drilling are stored in a chip tray with a representative sample captured for every metre to enable check sampling to be undertaken.
	company personnel.The use of twinned holes.	All logging and pXRF readings have been undertaken by a senior exploration personnel. Primary data was collected in the core shed using a
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	set of standard logging templates and entered into a tablet with tailor made dropdown menus. The data is forwarded to their independent data management consultant (MSA) for validation and loading into the company's drilling database
	Discuss any adjustment to assay data.	
Location of data points	Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.	The drillhole collars were surveyed with a handheld GPS unit with an accuracy of 5m which is considered sufficiently accurate for the purpose of the drillhole. All co- ordinates are expressed in Arc1960.

Criteria	JORC Code Explanation	Commentary
	 Specification of the grid system used. Quality and adequacy of topographic control. 	
Data spacing and distribution	 Data spacing for reporting of Exploration Results. Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. Whether sample compositing has been applied. 	No regular drill hole spacing has been set with individual holes design to intersect specific targets. Diamond drillholes were designed to test coincident gravity, Geochemical and HEM/DHEM and AMT anomalies.
Orientation of data in relation to geological structure	Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.	Drillholes are designed to intercept conductors orthogonally if possible or alternatively to drill through the EM anomalies.
	If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	
Sample security	The measures taken to ensure sample security.	Samples are kept in the core shed and then delivered in person by the geologist to the courier company from where they are dispatched to the laboratory.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	Internal audits/reviews of procedures are ongoing, however no external reviews have been undertaken.

Section 2: Reporting of Exploration Results

Criteria	JORC Code Explanation	Commentary
Mineral tenement and land tenure status	Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.	The Kabanga Jirani Nickel Project located in Tanzania covering 1,215.97km² comprises of ten granted licences, all are 100% owned by Adavale Resources as follows:
	The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	PL 11406 298 km² Kabanga North East
		PL 11886 23 km² Kabanga South East
		PL 11405 114 km² Kabanga North
		PL 11538 64 km² Burigi
		PL 11537 194 km² Burigi North
		PL 11591 182 km² Kabanga East
		PL11590 273 km² Kabanga West
		PL11592 19.4 km ² Ruiza North East
		PL 12175 44.83 km² Southeast Wedge
		PL 23980/2023 3.74 km ² Luhuma Central
		In addition there are two licences with farm-in agreements (65% ownership interest)
		PL11692 26 km², Luhuma North
		PL11693 73 km², Luhuma South
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	Not applicable, not referred to.
Geology	Deposit type, geological setting and style of mineralisation.	The exploration target is a magmatic Ni-Cu-PGE sulphide with the same genesis to the Kabanga N-Cu-PGE sulphide deposit that the licences are adjacent to.
Drill hole Information	A summary of all information material to the understanding of the exploration results	DDLUHC 001
Information	including a tabulation of the following	Easting 261206
	information for all Material drill holes:	Northing 9711222

Criteria	JORC Code Explanation	Commentary
	elevation or RL (Reduced Level – elevation	Azimuth: 120
	above sea level in metres) of the drill hole collar	Dip: 60°
	• dip and azimuth of the hole	EOH: 300.9m
	down hole length and interception depth	DDLUHC 002
	• hole length.	Easting 261267
	If the exclusion of this information is	Northing 9711177
	justified on the basis that the information is	Elevation 1513
	not Material and this exclusion does not detract from the understanding of the report,	Azimuth: 120
	the Competent Person should clearly explain	Dip: 60°
	why this is the case.	EOH: 451.3m
		DDLUHC 003
		Easting 261182
		Northing 9711297
		Elevation 1515
		Azimuth: 115
		Dip: 60°
		Planned EOH: 361.3m
		DDLUHC 004
		Easting 261149
		Northing 9711143
		Elevation 1512
		Azimuth: 120
		Dip: 65°
		EOH: 386m
Data aggregation methods	 In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g. cutting of high grades) and cut-off grades are usually Material and should be stated. Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail. The assumptions used for any reporting of metal equivalent values should be clearly stated. 	Not applicable – no assay results reported in this announcement.
Relationship between mineralisation	 These relationships are particularly important in the reporting of Exploration Results. If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. 	Not applicable – insufficient data available at this point to describe relationship between mineralisation widths and intercept length.

Criteria	JORC Code Explanation	Commentary
widths and intercept lengths	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g. 'down hole length, true width not known').	
Diagrams	Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	Plan views and cross-sections have been provided
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	Once laboratory results are received more comprehensive reporting will be submitted.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	No other material information that hasn't been reported.
Further work	 The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive. 	Diamond and RC drilling is continuing and new drill hole collars will be finalised based on drill results and as new geophysical data is modelled.