

Antares Discovers New Copper Prospect at Surprise

Key Highlights:

- New target named “Marvel” discovered 1.2km north of “Surprise”.
- Phase two drilling was successful in discovering several new copper mineralisation targets.
- Thick mineralised intersection and strong coincident geophysical anomaly confirm targeting methodology and indicate potential for a large-scale mineralised copper system.
- This type of mineralisation is found elsewhere in the Mt Isa region, with the Barbara deposit (Aeris Resources) a potential analogue.
- The Marvel discovery follows the successful 200m northerly extension to Surprise Mine with Drillhole ASD008 intersecting 2.0m @ 2.0% Cu (pXRF)¹
- Early pXRF results have identified three (3) new and separate targets outside the existing Surprise Mine to follow up in the Phase 3 drilling program.

Antares Metals Ltd (ASX: AM5) (Antares, AM5 or the Company) is pleased to share an exploration update relating to the second phase of reverse circulation (RC) drilling at the Surprise Copper Project (Surprise) within the Mt Isa North Project in northwest Queensland.

The 1,384m Phase 2 RC drilling at **Surprise** has been completed, and the Company is pleased to announce that it has intersected a newly discovered zone of disseminated copper mineralisation, which it named ‘Marvel’. The discovery was made by an 80m wide intersection of disseminated sulphide and chalcopyrite mineralisation in hole ASD015, 1.2km north of Surprise. ‘Marvel’ represents an untested and distinct copper mineralisation target and increases the known mineralised trend to 1.2 km. It is characterised by disseminated copper mineralisation and is associated with a large chargeability anomaly.

This new discovery is separate and distinct from the high-grade, structurally controlled mineralisation of the Surprise Copper Mine.

ANTARES
METALS LIMITED
ASX : AM5

DIRECTORS & MANAGEMENT

Mark Connelly
NE Chairman

Johan Lambrechts
CEO

Bruno Seneque
NE Director

Richard Maddocks
NE Director

Suzie Foreman
CFO & CoSec

CONTACT

Level 1, 43 Ventnor Ave,
West Perth, WA, 6005
info@antaresmetals.com.au
antaresmetals.com.au

Chief Executive Officer, Johan Lambrechts, commented:

"The second phase of drilling at Surprise has been very successful. It intersected a new high-grade extensional target, which may more than double its mineralisation potential, and ASD015 intersected the "Marvel" target; a wide zone of disseminated mineralisation, which represents a separate and potentially large-scale target for us to explore.

We now have two separate and very encouraging targets to test with a third phase of RC drilling. Field activities have commenced on other prospects in our tenure, including Conglomerate Creek, and we look forward to updating our investors with activities and results as we progress."

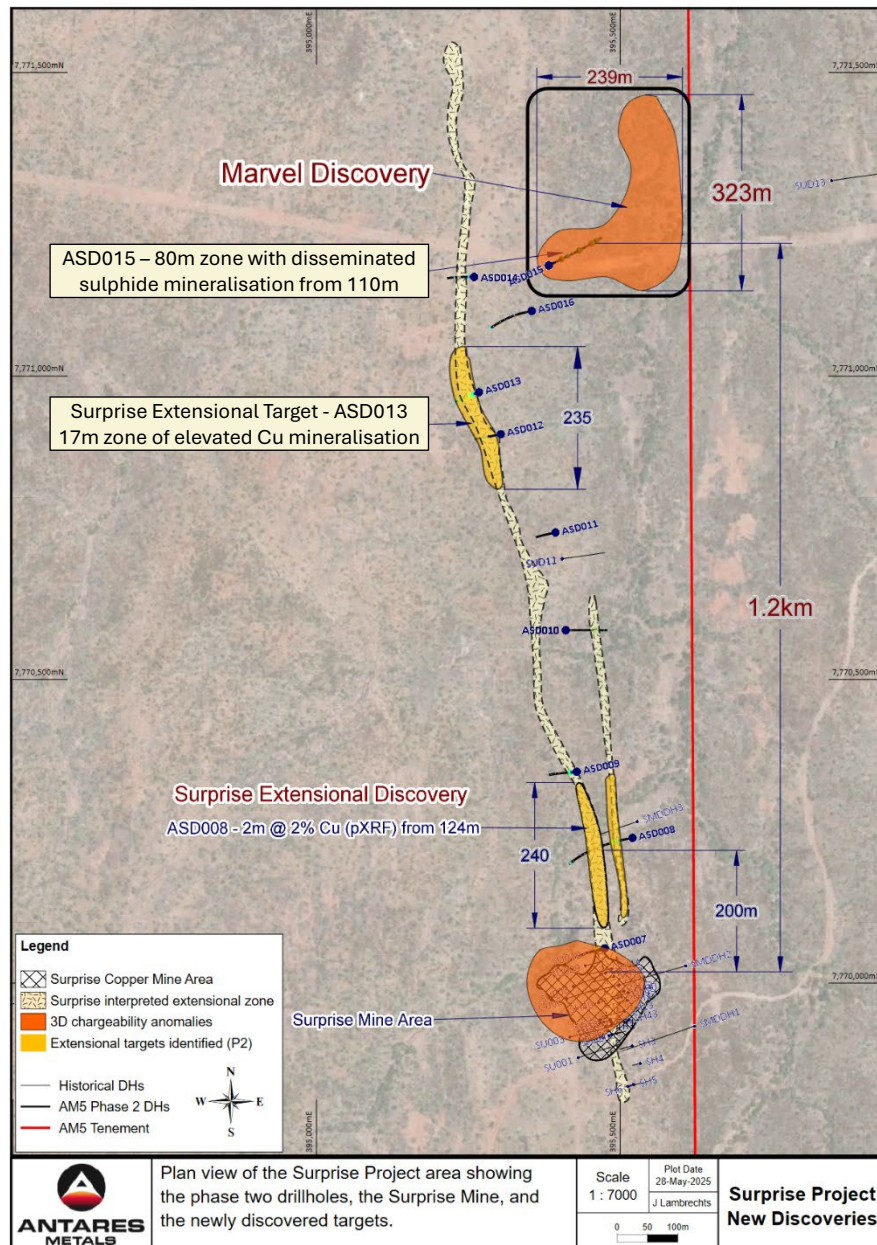


Figure 1: Map of the new Marvel discovery increasing the mineralised trend 1.2 km north of the Surprise Mine.

Antares geologists have confirmed mineralisation guidance in the field, testing drill chips in real time using handheld pXRF technology. The portable XRF readings are indicative of grade and mineralisation but do not represent quantitative laboratory-derived assay grades. The pXRF readings are a guide to mineralisation only and are limited to the accuracy of the XRF device.

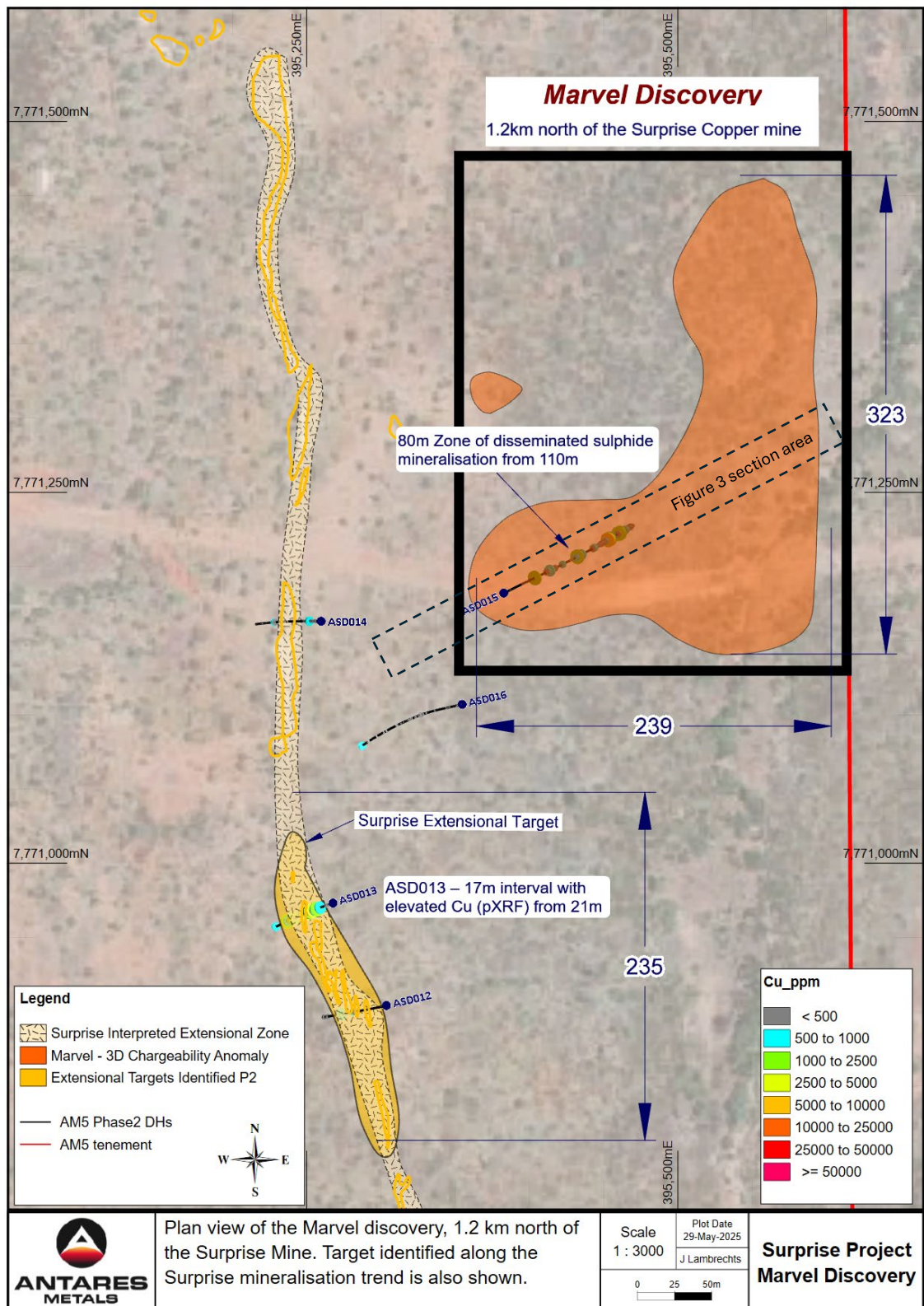


Figure 2: Map of the Marvel discovery and associated phase 2 drill holes

Antares geologists have confirmed mineralisation guidance in the field, testing drill chips in real time using handheld pXRF technology. The portable XRF readings are indicative of grade and mineralisation but do not represent quantitative laboratory-derived assay grades. The pXRF readings are a guide to mineralisation only and are limited to the accuracy of the XRF device.

Marvel – A New Discovery

Drillhole ASD015 was drilled 1.2km north of the historic Surprise mine and tested a large chargeability anomaly located two hundred meters east of the Surprise extensional trend. AM5 geologists consider the anomaly to be separate and distinct from the high-grade, structurally controlled Surprise mineralisation and represent a new target and mineralisation type.

ASD015 successfully intersected an 80 m-wide zone of regular disseminated sulphides and chalcopyrite intervals (Figure 3), validating the methodical exploration methodology used by the Company and demonstrating the presence of copper mineralisation in the target area. The intercept also justifies additional drilling to probe this anomaly and the other targets further.

As depicted in Figures 1 and 2, “Marvel” is distinct from the Surprise extensional trend and exhibits different characteristics. “Marvel” is not linear and has significantly more volume potential when compared to the Surprise mineralised trend. The Company is excited to have discovered a new and distinct zone of mineralisation potential at “Marvel” and looks forward to building the Company's copper potential and inventory with methodical exploration on its tenements.

The plan is to test the Marvel discovery further during the third phase of drilling, which is planned after receiving the assay results for phase 2.

The disseminated copper mineralisation style of Marvel may represent a new target style for the project, with other potential analogues in the region, including Aeris Resources’ Barbara deposit² (2.2Mt at 2.0% Cu and 0.2g/t Au gold, 89% Indicated) which is a shear-hosted copper and gold deposit as part of a larger iron sulphide copper gold system (ISCG).

Surprise Extensional Trend

Several phase 2 drillholes intersected copper mineralisation^(pXRF) beneath the Surprise extensional trend, such as ASD008, which intersected ³ 2m @ 2% Cu^(pXRF). This newly discovered zone represents a target that has the potential to more than double the area of mineralisation already identified at Surprise.

One kilometre north of Surprise, ASD013 (Figure 2) intersected a 17m wide zone of elevated copper mineralisation^(pXRF) beneath the Surprise extensional trend, indicating that the structure is still mineralised 1km north of the Surprise Mine.

The targets associated with the Surprise mineralised trend represent a high-grade, structurally controlled target which may likely be pod-like in nature. Identifying mineralisation controls, such as potential plunge directions, will assist with further exploration and drilling programs.

Both the Surprise extensional zone and “Marvel” will be tested with a third phase of drilling on the project.

Antares geologists have confirmed mineralisation guidance in the field, testing drill chips in real time using handheld pXRF technology. The portable XRF readings are indicative of grade and mineralisation but do not represent quantitative laboratory-derived assay grades. The pXRF readings are a guide to mineralisation only and are limited to the accuracy of the XRF device.

² Aeris Resources – ASX Announcement 28 June 2023 – Barbara Mineral Resource Update

³ Antares Metals – ASX Announcement 21 May 2025 - High-grade copper intercept confirms extension at Surprise.

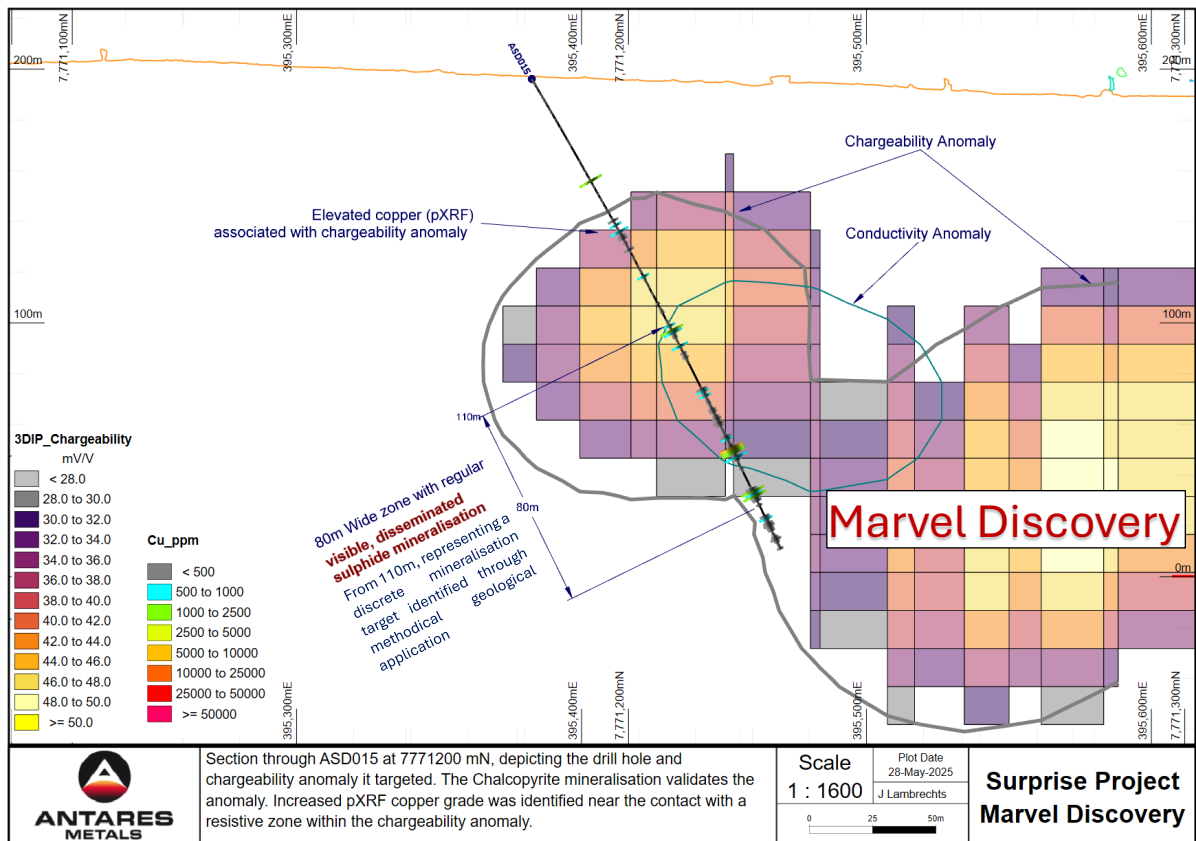


Figure 3: Section looking north at 7771200 mN, showing ASD015.

Antares geologists have confirmed mineralisation guidance in the field, testing drill chips in real time using handheld pXRF technology. The portable XRF readings are indicative of grade and mineralisation but do not represent quantitative laboratory-derived assay grades. The pXRF readings are a guide to mineralisation only and are limited to the accuracy of the XRF device.

Future activities

The Company is excited by the discovery of two new zones of mineralisation, 200m and 1.2km north of the historic Surprise Copper Mine, as well as by the potential new mineralisation style represented by the “Marvel” target. The Company is committed to expanding the mineralised envelope of the Surprise project area; therefore, these new discoveries will undergo further drill testing during a third phase of drilling on the project.

Samples for phase 2 drilling have been dispatched to the laboratory, and results are expected within the next 5-6 weeks.

The Company is also conducting field activities on other prospects within its tenements, such as Conglomerate Creek. Recent updates in the uranium market may prompt increased activity on the Queens Gift uranium project.

-ENDS-

This announcement has been approved for release by the Board of Antares Metals Limited.

Enquiries:

Johan Lambrechts
Chief Executive Officer
Antares Metals Limited
E: johan@antaresmetals.com.au

Competent Person Statement:

The information in this report that relates to Exploration activities and Exploration Results has been approved by Mr. Matthew Porter, a Competent Person who is a member of The Australasian Institute of Geoscientists and is the Exploration Manager of Antares Metals Limited.

Mr Porter 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 Porter consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



About Antares Metals

Antares Metals is a multi-commodity, Australian-focused explorer with two district-scale exploration hubs. The Company uses modern exploration methods and models to develop cost-effective exploration programs focused on discovery.

Mt Isa North Cu-U Project

- ▶ 2,003km² of prime tenure at Mt Isa, adjoining Glencore's Mt Isa Operations
- ▶ Right geology for discovery of Cu, Zn-Ag-Pb, U₃O₈ and REE deposits
- ▶ Limited historical exploration
- ▶ Modern exploration model and methods to be employed

Appendix 1: Historical Exploration

Permit ID	Company	Report No.	Year	Commodity	Work Completed
EPM 365 & 367	MIM	cr2495, 2496, 2550, 3489	1967-1968	Cu	Regional stream geochemistry and mapping
EPM 1133	Tipperary	cr3645	1971	U, Cu	Magnetics, radiometrics, historical Cu workings noted
EPM 1330	CRA Exploration	cr5281, 5439	1975	Cu, U	Mapping, rock chip and stream geochemistry
EPM 1727	BHP	cr6229	1977	Cu, Pb-Zn-Ag	Mapping, described Surprise mine in production at the time
ML 2483	VAM	cr17768 (Aurotech)	1970	Cu, Au	Drilling
EPM 1983	CRA Exploration	cr8345, 8505, 9530, 10357, 10360	1980-1981	Cu, Pb-Zn-Ag	Airborne radiometrics and magnetics, Mapping including location of historical workings, rock chip and auger geochemistry
EPM 4375	Pancontinental	cr17113, 17114	1987-1988	Cu, Au	BLEG stream geochemistry, Surprise mine mapping and sampling
EPM 5983, 5984	Sons of Gwalia	cr21767, 21507	1990 - 1992	Au, Cu	Rock chip, stream and soil geochemistry
EPM 8299	MIM	cr24253, 25495, 26054, 26551, 27104	1992-1995	Au, Cu, Pb-Zn-Ag	Stream geochemistry
EPM 8914	MIM / Delta Gold	cr25234, 26039, 26315, 26994, 28155, 28839	1993-1996	Cu, Au	Airborne magnetics; ground magnetics follow-up; rock chip, stream and soil geochemistry
EPM 9053, 11171, 11203; ML 2483, 2509, 2686, 90102	Gateway / Minotaur	cr29821, 31040, 31383	1997-2011	Cu, Au	Mapping including historical workings locations; rock chip, stream, soils and costean geochemistry; gradient array and dipole-dipole IP; SIROTEM; ground MLEM, FLTEM and ground magnetics; RC drilling (47 holes), diamond drilling (4 holes); detailed structural geology study
EPM 25538, 25539	Glencore	cr94920, 94921, 98795, 98805, 103527, 103805, 115540	2015-2019	Cu, Au	Historical data review; Airborne magnetics and radiometrics at 50m line spacing; VTEM at 150m line spacing; soil geochemistry

Appendix 2 - JORC Code, 2012 Edition – Table 1

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code Explanation	Commentary
Sampling techniques	<p>Nature and quality of sampling (e.g., cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc.). These examples should not be taken as limiting the broad meaning of sampling.</p> <p>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</p> <p>Aspects of the determination of mineralisation that are Material to the Public Report.</p>	<ul style="list-style-type: none"> All holes were sampled on a 1m downhole interval basis. A representation of the drill chips from each 1m interval was collected and stored in RC chip trays for later use. All sampling lengths and other logging data were recorded in a standard sampling record spreadsheets, Including from and to measurements, colour, lithology, structures etc. Visible sulphide content was logged as well as alteration and weathering. Industry-standard practice was used in the processing of samples for assay. Intervals identified to have visual mineralisation and referenced in this announcement were assayed using a NITON XL5 portable XRF at 25°C on dry samples. The “Mining” mode was used to analyse the intervals, and the scan time was 60 seconds. Standard reference material was assayed in the same way and at the same time to verify the calibration. Standard reference material readings were within acceptable limits as per their certificates. No laboratory assays are reported in this announcement.
Drilling techniques	<p>Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc.) And details (e.g., 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.).</p>	<ul style="list-style-type: none"> Reverse circulation (RC) percussion drill holes were used. The hole dip was -55°. RC percussion drilling was performed with a face sampling hammer bit (bit diameter 5 ¼ inches), and samples were collected via a cone splitter.
Drill sample recovery	<p>Method of recording and assessing core and chip sample recoveries and results assessed.</p> <p>Measures taken to maximise sample recovery and ensure representative nature of the samples.</p> <p>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.</p>	<ul style="list-style-type: none"> RC drill chip sample recovery was recorded by visual estimation, in conjunction with weighing of the main sample bags. The entire hole (minus the collar) was weighed on the first hole, and every 25m sample in subsequent holes. Any bags visually low or high were then weighed to ensure accurate recovery data. Overall estimated recovery was high. All samples were dry as a result of appropriate air pressure and volume and the lack of groundwater. Measures taken to ensure maximum RC sample recoveries included maintaining a clean cyclone and drilling equipment, as well as regular communication with the drillers and slowing drill advance rates when variable to poor ground conditions are encountered. Samples were assayed using a NITON XL5 portable XRF.
Logging	<p>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.</p>	<ul style="list-style-type: none"> The drill chips were geologically logged at 1m intervals with detailed recording of lithology, alteration, mineralisation and other observations such as colour, moisture and recovery. Drill chips were collected and sieved before being placed into reference chip trays for

Criteria	JORC Code Explanation	Commentary
	<p>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) Photography.</p> <p>The total length and percentage of the relevant intersections logged.</p>	<p>visual logging at 1m intervals.</p> <ul style="list-style-type: none"> All drill intervals were logged. <p>Logging was performed at the time of drilling, and planned drill hole target lengths were adjusted by the geologist during drilling. The geologist also oversaw all sampling and drilling practices. A small selection of representative chips was collected for every 1-meter interval and stored in chip trays as well as a representative split of mineralised areas stored for potential future use.</p>
Sub-sampling techniques and sample preparation	<p>If core, whether cut or sawn and whether quarter, half or all core taken.</p> <p>If non-core, whether riffled, tube sampled, rotary split, etc. And whether sampled wet or dry.</p> <p>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</p> <p>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</p> <p>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.</p> <p>Whether sample sizes are appropriate to the grain size of the material being sampled.</p>	<ul style="list-style-type: none"> 1m Samples were recovered using a rig-mounted cone splitter during drilling into a calico sample bag. The sample target weight was between 2 and 4kg. A standard, blank or duplicate sample was inserted into the sample stream at regular intervals and also at specific intervals based on the geologist's discretion. Standards were quantified industry standards. Duplicate samples were taken using the same sample sub-sample technique as the original sub-sample and inserted at the geologist's discretion. Sample sizes are appropriate for the nature of mineralisation. Quality control was ensured by assaying standard reference material along with the samples and validating the results with the standard certificate. Standard reference material results are within acceptable limits. Five representative samples were assayed from each location to represent the average of the outcrop. Samples were not crushed, dry and assayed with the pXRF at 25°C.
Quality of assay data and laboratory tests	<p>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</p> <p>For geophysical tools, 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.</p> <p>Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.</p>	<ul style="list-style-type: none"> All samples were submitted to Bureau Veritas laboratories in Adelaide. The samples were sorted, wet-weighed, dried, and then weighed again. Primary preparation involved crushing and splitting the sample with a riffle splitter where necessary to obtain a pulverised sub-fraction in a vibrating pulveriser. All coarse residues have been retained. The samples have been analysed by a 40g lead collection fire assay as well as multi-acid digest with an Inductively Coupled Plasma (ICP) Optical Emission Spectrometry finish for multiple elements The lab randomly inserts analytical blanks, standards and duplicates into the client sample batches for laboratory QAQC performance monitoring. All QAQC data was statistically assessed to determine if results were within the certified standard deviations of the reference material. If required a batch or a portion of the batch may be re-assayed. (no re-assays required for the data in the release) Drill intervals were assayed using a NITON XL5 portable XRF and on dry samples. The "Mining" mode was used to analyse all rock samples (not crushed), and the scan time was 15 seconds.

Criteria	JORC Code Explanation	Commentary																																																																													
		<ul style="list-style-type: none">Standard reference material was assayed in the same way and at the same time to verify the calibration. Standard reference material readings were within acceptable limits as per their certificates.No laboratory assays are reported in this announcement.																																																																													
Verification of sampling and assaying	<p>The verification of significant intersections by either independent or alternative company personnel.</p> <p>The use of twinned holes.</p> <p>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</p> <p>Discuss any adjustment to assay data.</p>	<ul style="list-style-type: none">No verification outside the Company was completedThe lab and Company randomly insert analytical blanks, standards and duplicates into the sample batches for laboratory QAQC performance monitoring.The significant intersections in this release have not been subject to additional sample verification beyond those mentioned above.																																																																													
Location of data points	<p>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. Specification of the grid system used.</p> <p>Quality and adequacy of topographic control.</p>	<ul style="list-style-type: none">The collar locations were surveyed by handheld GPS.Downhole surveys were conducted using a OMNIx42 Gyro.The Grid used is GDA94 Zone 54 <p>The topography has been surveyed with 1m accuracy using a drone.</p> <p>Drill collar data</p> <table><tr><th>Hole ID</th><th>East_GDA94</th><th>North_GDA94</th><th>RL</th><th>Total_Depth</th><th>Azimuth_Grid</th><th>Dip</th></tr><tr><td>ASD007</td><td>395475</td><td>7770057</td><td>212</td><td>200</td><td>256</td><td>-60</td></tr><tr><td>ASD008</td><td>395521</td><td>7770239</td><td>198</td><td>240</td><td>256</td><td>-55</td></tr><tr><td>ASD009</td><td>395429</td><td>7770348</td><td>198</td><td>90</td><td>256</td><td>-55</td></tr><tr><td>ASD010</td><td>395411</td><td>7770581</td><td>195</td><td>200</td><td>90</td><td>-70</td></tr><tr><td>ASD011</td><td>395394</td><td>7770742</td><td>205</td><td>60</td><td>256</td><td>-55</td></tr><tr><td>ASD012</td><td>395304</td><td>7770904</td><td>202</td><td>72</td><td>256</td><td>-55</td></tr><tr><td>ASD013</td><td>395268</td><td>7770973</td><td>201</td><td>84</td><td>256</td><td>-55</td></tr><tr><td>ASD014</td><td>395260</td><td>7771163</td><td>204</td><td>84</td><td>270</td><td>-55</td></tr><tr><td>ASD015</td><td>395383</td><td>7771182</td><td>196</td><td>210</td><td>68</td><td>-60</td></tr><tr><td>ASD016</td><td>395355</td><td>7771107</td><td>200</td><td>144</td><td>256</td><td>-55</td></tr></table>	Hole ID	East_GDA94	North_GDA94	RL	Total_Depth	Azimuth_Grid	Dip	ASD007	395475	7770057	212	200	256	-60	ASD008	395521	7770239	198	240	256	-55	ASD009	395429	7770348	198	90	256	-55	ASD010	395411	7770581	195	200	90	-70	ASD011	395394	7770742	205	60	256	-55	ASD012	395304	7770904	202	72	256	-55	ASD013	395268	7770973	201	84	256	-55	ASD014	395260	7771163	204	84	270	-55	ASD015	395383	7771182	196	210	68	-60	ASD016	395355	7771107	200	144	256	-55
Hole ID	East_GDA94	North_GDA94	RL	Total_Depth	Azimuth_Grid	Dip																																																																									
ASD007	395475	7770057	212	200	256	-60																																																																									
ASD008	395521	7770239	198	240	256	-55																																																																									
ASD009	395429	7770348	198	90	256	-55																																																																									
ASD010	395411	7770581	195	200	90	-70																																																																									
ASD011	395394	7770742	205	60	256	-55																																																																									
ASD012	395304	7770904	202	72	256	-55																																																																									
ASD013	395268	7770973	201	84	256	-55																																																																									
ASD014	395260	7771163	204	84	270	-55																																																																									
ASD015	395383	7771182	196	210	68	-60																																																																									
ASD016	395355	7771107	200	144	256	-55																																																																									
Data spacing and distribution	<p>Data spacing for reporting of Exploration Results.</p> <p>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.</p> <p>Whether sample compositing has been applied.</p>	<ul style="list-style-type: none">The holes in this announcement were designed to target areas with zero drill density.Grade continuity of the targeted lodes cannot be determined from this data alone.Only pXRF results are shown, with assay results expected at a later date.No compositing was done.																																																																													
Orientation of data in relation to geological structure	<p>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</p> <p>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.</p>	<ul style="list-style-type: none">The holes were drilled perpendicular to the mapped strike of the lodes and surface outcropping lithologiesThe dip of the lode is near vertical, and some holes were drilled from the footwall due to surface space constraints.The intersection angle is still adequate due to the near vertical dip of the mineralised zone.The orientation of the drilling is deemed appropriate and unbiased.																																																																													
Sample security	<p>The measures taken to ensure sample security.</p>	<ul style="list-style-type: none">All samples were collected and accounted for by AM5 employees/consultants during drilling. All samples were bagged into calico and plastic bags and closed with cable ties. Samples were transported to the lab using courier companies.																																																																													

Criteria	JORC Code Explanation	Commentary
		<ul style="list-style-type: none"> The appropriate manifest of sample numbers and a sample submission form containing laboratory instructions were submitted to the laboratory. Any discrepancies between sample submissions and samples received were routinely followed up and accounted for.
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	<ul style="list-style-type: none"> No audits have been conducted on the data.

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

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 security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.	<ul style="list-style-type: none"> The Surprise prospect are situated within EPM 28297, approximately 80 km NE of the city of Mount Isa, held by Capella Metals Ltd (pending transfer from Buchus Resources Ltd) [Capella Metals Ltd is a subsidiary of Antares Metals Limited]. There are no material encumbrances such as royalties or other agreements.
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	<ul style="list-style-type: none"> Historical exploration on the Surprise prospect is tabulated in Appendix 1
Geology	Deposit type, geological setting and style of mineralisation.	<ul style="list-style-type: none"> The prospects occur within rocks of the Leichhardt Superbasin. Copper mineralisation is mainly hosted by calcareous metasediments of the Corella Formation. The Corella Formation was deposited in a shallow marine evaporite setting and was subsequently metamorphosed to amphibolite grade contemporaneously with the intrusion of the Wonga Batholith at between 1760 and 1725 Ma. A 25 km long by 1 km wide NW trending belt of metadolerite and metagabbro occurs in the eastern portion of EPM 28297. The Surprise prospect is associated with these rocks. Segments of the major Mount Remarkable Fault occur in the western part of EPM 28297. This is a regional scale domain bounding fault associated with numerous ore bodies in the region and marks the boundary between the Kalkadoon-Leichhardt and Mary Kathleen Domains. The Pinnacle Fault occurs in the eastern part of EPM 28297, and is a major structure that separates the Leichhardt and Calvert Superbasins. A number of major NW-SE faults traverse the tenement. AM5 considers that these structures are important for the formation of structurally-controlled magmatic-hydrothermal Cu-Au deposits.

Criteria	JORC Code Explanation	Commentary																																																																													
Drill hole Information	<p>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</p> <p>easting and northing of the drill hole collar</p> <p>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</p> <p>dip and azimuth of the hole</p> <p>down hole length and interception depth</p> <p>hole length.</p> <p>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</p>	<ul style="list-style-type: none">The location information relating to the drill holes presented in this announcement is shown in the figures of the announcement.Collar data<table><tr><th>Hole_ID</th><th>East_GDA94</th><th>North_GDA94</th><th>RL</th><th>Total_Depth</th><th>Azimuth_Grid</th><th>Dip</th></tr><tr><td>ASD007</td><td>395475</td><td>7770057</td><td>212</td><td>200</td><td>256</td><td>-60</td></tr><tr><td>ASD008</td><td>395521</td><td>7770239</td><td>198</td><td>240</td><td>256</td><td>-55</td></tr><tr><td>ASD009</td><td>395429</td><td>7770348</td><td>198</td><td>90</td><td>256</td><td>-55</td></tr><tr><td>ASD010</td><td>395411</td><td>7770581</td><td>195</td><td>200</td><td>90</td><td>-70</td></tr><tr><td>ASD011</td><td>395394</td><td>7770742</td><td>205</td><td>60</td><td>256</td><td>-55</td></tr><tr><td>ASD012</td><td>395304</td><td>7770904</td><td>202</td><td>72</td><td>256</td><td>-55</td></tr><tr><td>ASD013</td><td>395268</td><td>7770973</td><td>201</td><td>84</td><td>256</td><td>-55</td></tr><tr><td>ASD014</td><td>395260</td><td>7771163</td><td>204</td><td>84</td><td>270</td><td>-55</td></tr><tr><td>ASD015</td><td>395383</td><td>7771182</td><td>196</td><td>210</td><td>68</td><td>-60</td></tr><tr><td>ASD016</td><td>395355</td><td>7771107</td><td>200</td><td>144</td><td>256</td><td>-55</td></tr></table>	Hole_ID	East_GDA94	North_GDA94	RL	Total_Depth	Azimuth_Grid	Dip	ASD007	395475	7770057	212	200	256	-60	ASD008	395521	7770239	198	240	256	-55	ASD009	395429	7770348	198	90	256	-55	ASD010	395411	7770581	195	200	90	-70	ASD011	395394	7770742	205	60	256	-55	ASD012	395304	7770904	202	72	256	-55	ASD013	395268	7770973	201	84	256	-55	ASD014	395260	7771163	204	84	270	-55	ASD015	395383	7771182	196	210	68	-60	ASD016	395355	7771107	200	144	256	-55
Hole_ID	East_GDA94	North_GDA94	RL	Total_Depth	Azimuth_Grid	Dip																																																																									
ASD007	395475	7770057	212	200	256	-60																																																																									
ASD008	395521	7770239	198	240	256	-55																																																																									
ASD009	395429	7770348	198	90	256	-55																																																																									
ASD010	395411	7770581	195	200	90	-70																																																																									
ASD011	395394	7770742	205	60	256	-55																																																																									
ASD012	395304	7770904	202	72	256	-55																																																																									
ASD013	395268	7770973	201	84	256	-55																																																																									
ASD014	395260	7771163	204	84	270	-55																																																																									
ASD015	395383	7771182	196	210	68	-60																																																																									
ASD016	395355	7771107	200	144	256	-55																																																																									
Data aggregation methods	<p>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.</p> <p>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.</p> <p>The assumptions used for any reporting of metal equivalent values should be clearly stated.</p>	<ul style="list-style-type: none">No Data aggregation was usedEach drill chip was assayed using the NITON XL5 pXRF.																																																																													
Relationship between mineralisation widths and intercept lengths	<p>These relationships are particularly important in the reporting of Exploration Results.</p> <p>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</p> <p>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’).</p>	<ul style="list-style-type: none">The mineralised units are near vertical, and drilling was conducted from optimal angles with the mineralised units. The drilling angle is about -55 degrees, resulting in mineralised intersections slightly longer than the true width. Interpretation of the mineralised units honours the true width.																																																																													
Diagrams	<p>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.</p>	<ul style="list-style-type: none">Diagrams relating to the announcement are located in the announcement.																																																																													
Balanced reporting	<p>Where comprehensive reporting of all Exploration Results is not practicable,</p>	<ul style="list-style-type: none">Results from all samples collected during this program have been sent to the laboratory and will be released																																																																													

Criteria	JORC Code Explanation	Commentary
	representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	<ul style="list-style-type: none"> when received. The results mentioned in this announcement are specific to drill holes and detailed in the figures of the announcement.
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.	<ul style="list-style-type: none"> Historical exploration of the surprise prospect is tabulated in Appendix 1
Further work	<p>The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling).</p> <p>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</p>	<ul style="list-style-type: none"> Plans for further work are outlined in the body of the announcement.

Appendix 3: Table of pXRF results

HOLE_ID	FROM	TO	Cu_ppm	HOLE_ID	FROM	TO	Cu_ppm	HOLE_ID	FROM	TO	Cu_ppm
ASD012	0	1	77	ASD014	42	43	19	ASD015	156	157	101
ASD012	1	2	60	ASD014	43	44	19	ASD015	157	158	129
ASD012	2	3	16	ASD014	44	45	20	ASD015	158	159	165
ASD012	3	4	34	ASD014	45	46	21	ASD015	159	160	192
ASD012	4	5	48	ASD014	46	47	58	ASD015	160	161	446
ASD012	5	6	74	ASD014	47	48	89	ASD015	161	162	506
ASD012	6	7	84	ASD014	48	49	20	ASD015	162	163	166
ASD012	7	8	16	ASD014	49	50	39	ASD015	163	164	190
ASD012	8	9	42	ASD014	50	51	13	ASD015	164	165	388
ASD012	9	10	31	ASD014	51	52	10	ASD015	165	166	5826
ASD012	10	11	21	ASD014	52	53	10	ASD015	166	167	1837
ASD012	11	12	38	ASD014	53	54	29	ASD015	167	168	1127
ASD012	12	13	23	ASD014	54	55	232	ASD015	168	169	308
ASD012	13	14	17	ASD014	55	56	469	ASD015	169	170	954
ASD012	14	15	42	ASD014	56	57	513	ASD015	170	171	421
ASD012	15	16	38	ASD014	57	58	196	ASD015	171	172	130
ASD012	16	17	15	ASD014	58	59	67	ASD015	172	173	53
ASD012	17	18	47	ASD014	59	60	28	ASD015	173	174	69
ASD012	18	19	20	ASD014	60	61	28	ASD015	174	175	186
ASD012	19	20	69	ASD014	61	62	36	ASD015	175	176	93
ASD012	20	21	132	ASD014	62	63	34	ASD015	176	177	28
ASD012	21	22	27	ASD014	63	64	20	ASD015	177	178	34
ASD012	22	23	21	ASD014	64	65	44	ASD015	178	179	24
ASD012	23	24	71	ASD014	65	66	54	ASD015	179	180	21
ASD012	24	25	91	ASD014	66	67	103	ASD015	180	181	38
ASD012	25	26	51	ASD014	67	68	57	ASD015	181	182	28
ASD012	26	27	15	ASD014	68	69	61	ASD015	182	183	95
ASD012	27	28	29	ASD014	69	70	25	ASD015	183	184	496
ASD012	28	29	20	ASD014	70	71	17	ASD015	184	185	1177
ASD012	29	30	25	ASD014	71	72	19	ASD015	185	186	709
ASD012	30	31	19	ASD014	72	73	131	ASD015	186	187	1570
ASD012	31	32	0	ASD014	73	74	21	ASD015	187	188	418
ASD012	32	33	0	ASD014	74	75	58	ASD015	188	189	388
ASD012	33	34	31	ASD014	75	76	66	ASD015	189	190	67
ASD012	34	35	28	ASD014	76	77	21	ASD015	190	191	258
ASD012	35	36	9	ASD014	77	78	17	ASD015	191	192	37
ASD012	36	37	430	ASD014	78	79	10	ASD015	192	193	37
ASD012	37	38	579	ASD014	79	80	66	ASD015	193	194	24
ASD012	38	39	36	ASD014	80	81	31	ASD015	194	195	17
ASD012	39	40	25	ASD014	81	82	48	ASD015	195	196	418
ASD012	40	41	0	ASD014	82	83	19	ASD015	196	197	564
ASD012	41	42	13	ASD014	83	84	52	ASD015	197	198	250
ASD012	42	43	21	ASD015	0	1	96	ASD015	198	199	419
ASD012	43	44	25	ASD015	1	2	109	ASD015	199	200	464
ASD012	44	45	82	ASD015	2	3	112	ASD015	200	201	320
ASD012	45	46	73	ASD015	3	4	44	ASD015	201	202	303
ASD012	46	47	34	ASD015	4	5	55	ASD015	202	203	68
ASD012	47	48	83	ASD015	5	6	33	ASD015	203	204	167
ASD012	48	49	60	ASD015	6	7	61	ASD015	204	205	318
ASD012	49	50	579	ASD015	7	8	86	ASD015	205	206	462
ASD012	50	51	843	ASD015	8	9	69	ASD015	206	207	248
ASD012	51	52	68	ASD015	9	10	108	ASD015	207	208	138
ASD012	52	53	202	ASD015	10	11	98	ASD015	208	209	139
ASD012	53	54	42	ASD015	11	12	53	ASD015	209	210	277
ASD012	54	55	146	ASD015	12	13	36	ASD016	0	1	182
ASD012	55	56	87	ASD015	13	14	60	ASD016	1	2	109
ASD012	56	57	114	ASD015	14	15	77	ASD016	2	3	90
ASD012	57	58	27	ASD015	15	16	55	ASD016	3	4	137
ASD012	58	59	11	ASD015	16	17	41	ASD016	4	5	56
ASD012	59	60	112	ASD015	17	18	27	ASD016	5	6	142
ASD012	60	61	11	ASD015	18	19	57	ASD016	6	7	150
ASD012	61	62	30	ASD015	19	20	41	ASD016	7	8	56
ASD012	62	63	15	ASD015	20	21	37	ASD016	8	9	57
ASD012	63	64	46	ASD015	21	22	21	ASD016	9	10	26
ASD012	64	65	35	ASD015	22	23	59	ASD016	10	11	37
ASD012	65	66	329	ASD015	23	24	36	ASD016	11	12	58
ASD012	66	67	99	ASD015	24	25	35	ASD016	12	13	42
ASD012	67	68	80	ASD015	25	26	29	ASD016	13	14	25
ASD012	68	69	86	ASD015	26	27	34	ASD016	14	15	150
ASD012	69	70	334	ASD015	27	28	45	ASD016	15	16	78
ASD012	70	71	95	ASD015	28	29	56	ASD016	16	17	138
ASD012	71	72	90	ASD015	29	30	64	ASD016	17	18	65

HOLE_ID	FROM	TO	Cu_ppm	HOLE_ID	FROM	TO	Cu_ppm	HOLE_ID	FROM	TO	Cu_ppm
ASD013	0	1	106	ASD015	30	31	76	ASD016	18	19	170
ASD013	1	2	33	ASD015	31	32	27	ASD016	19	20	20
ASD013	2	3	124	ASD015	32	33	36	ASD016	20	21	22
ASD013	3	4	215	ASD015	33	34	39	ASD016	21	22	67
ASD013	4	5	251	ASD015	34	35	22	ASD016	22	23	20
ASD013	5	6	71	ASD015	35	36	17	ASD016	23	24	15
ASD013	6	7	153	ASD015	36	37	20	ASD016	24	25	33
ASD013	7	8	267	ASD015	37	38	66	ASD016	25	26	9
ASD013	8	9	288	ASD015	38	39	41	ASD016	26	27	11
ASD013	9	10	33	ASD015	39	40	43	ASD016	27	28	17
ASD013	10	11	63	ASD015	40	41	42	ASD016	28	29	22
ASD013	11	12	37	ASD015	41	42	51	ASD016	29	30	13
ASD013	12	13	18	ASD015	42	43	80	ASD016	30	31	14
ASD013	13	14	72	ASD015	43	44	34	ASD016	31	32	0
ASD013	14	15	82	ASD015	44	45	39	ASD016	32	33	8
ASD013	15	16	29	ASD015	45	46	81	ASD016	33	34	9
ASD013	16	17	860	ASD015	46	47	1280	ASD016	34	35	15
ASD013	17	18	128	ASD015	47	48	30	ASD016	35	36	9
ASD013	18	19	331	ASD015	48	49	77	ASD016	36	37	16
ASD013	19	20	25	ASD015	49	50	67	ASD016	37	38	13
ASD013	20	21	167	ASD015	50	51	28	ASD016	38	39	13
ASD013	21	22	1426	ASD015	51	52	42	ASD016	39	40	10
ASD013	22	23	369	ASD015	52	53	77	ASD016	40	41	18
ASD013	23	24	875	ASD015	53	54	33	ASD016	41	42	0
ASD013	24	25	507	ASD015	54	55	89	ASD016	42	43	20
ASD013	25	26	629	ASD015	55	56	64	ASD016	43	44	31
ASD013	26	27	2618	ASD015	56	57	62	ASD016	44	45	13
ASD013	27	28	393	ASD015	57	58	27	ASD016	45	46	0
ASD013	28	29	195	ASD015	58	59	41	ASD016	46	47	78
ASD013	29	30	746	ASD015	59	60	80	ASD016	47	48	138
ASD013	30	31	1152	ASD015	60	61	68	ASD016	48	49	283
ASD013	31	32	2732	ASD015	61	62	54	ASD016	49	50	379
ASD013	32	33	137	ASD015	62	63	31	ASD016	50	51	186
ASD013	33	34	91	ASD015	63	64	119	ASD016	51	52	83
ASD013	34	35	376	ASD015	64	65	461	ASD016	52	53	21
ASD013	35	36	513	ASD015	65	66	53	ASD016	53	54	70
ASD013	36	37	3005	ASD015	66	67	517	ASD016	54	55	95
ASD013	37	38	1319	ASD015	67	68	61	ASD016	55	56	178
ASD013	38	39	138	ASD015	68	69	101	ASD016	56	57	158
ASD013	39	40	59	ASD015	69	70	808	ASD016	57	58	52
ASD013	40	41	60	ASD015	70	71	211	ASD016	58	59	26
ASD013	41	42	32	ASD015	71	72	357	ASD016	59	60	33
ASD013	42	43	36	ASD015	72	73	406	ASD016	60	61	169
ASD013	43	44	43	ASD015	73	74	84	ASD016	61	62	161
ASD013	44	45	38	ASD015	74	75	193	ASD016	62	63	178
ASD013	45	46	33	ASD015	75	76	58	ASD016	63	64	109
ASD013	46	47	14	ASD015	76	77	76	ASD016	64	65	154
ASD013	47	48	33	ASD015	77	78	444	ASD016	65	66	104
ASD013	48	49	46	ASD015	78	79	118	ASD016	66	67	124
ASD013	49	50	135	ASD015	79	80	27	ASD016	67	68	42
ASD013	50	51	17	ASD015	80	81	142	ASD016	68	69	75
ASD013	51	52	279	ASD015	81	82	90	ASD016	69	70	61
ASD013	52	53	1188	ASD015	82	83	65	ASD016	70	71	54
ASD013	53	54	27	ASD015	83	84	37	ASD016	71	72	69
ASD013	54	55	14	ASD015	84	85	84	ASD016	72	73	94
ASD013	55	56	13	ASD015	85	86	53	ASD016	73	74	61
ASD013	56	57	14	ASD015	86	87	74	ASD016	74	75	69
ASD013	57	58	40	ASD015	87	88	131	ASD016	75	76	92
ASD013	58	59	50	ASD015	88	89	33	ASD016	76	77	144
ASD013	59	60	455	ASD015	89	90	521	ASD016	77	78	93
ASD013	60	61	745	ASD015	90	91	162	ASD016	78	79	34
ASD013	61	62	586	ASD015	91	92	49	ASD016	79	80	52
ASD013	62	63	1423	ASD015	92	93	82	ASD016	80	81	83
ASD013	63	64	274	ASD015	93	94	59	ASD016	81	82	123
ASD013	64	65	319	ASD015	94	95	70	ASD016	82	83	207
ASD013	65	66	74	ASD015	95	96	9	ASD016	83	84	164
ASD013	66	67	0	ASD015	96	97	56	ASD016	84	85	39
ASD013	67	68	19	ASD015	97	98	93	ASD016	85	86	44
ASD013	68	69	8	ASD015	98	99	37	ASD016	86	87	20
ASD013	69	70	20	ASD015	99	100	19	ASD016	87	88	23
ASD013	70	71	12	ASD015	100	101	32	ASD016	88	89	16
ASD013	71	72	14	ASD015	101	102	196	ASD016	89	90	28
ASD013	72	73	42	ASD015	102	103	33	ASD016	90	91	14
ASD013	73	74	51	ASD015	103	104	102	ASD016	91	92	13
ASD013	74	75	22	ASD015	104	105	162	ASD016	92	93	14
ASD013	75	76	39	ASD015	105	106	187	ASD016	93	94	10
ASD013	76	77	36	ASD015	106	107	25	ASD016	94	95	10

HOLE_ID	FROM	TO	Cu_ppm	HOLE_ID	FROM	TO	Cu_ppm	HOLE_ID	FROM	TO	Cu_ppm
ASD013	77	78	34	ASD015	107	108	28	ASD016	95	96	14
ASD013	78	79	609	ASD015	108	109	66	ASD016	96	97	8
ASD013	79	80	51	ASD015	109	110	124	ASD016	97	98	23
ASD013	80	81	29	ASD015	110	111	126	ASD016	98	99	0
ASD013	81	82	22	ASD015	111	112	527	ASD016	99	100	12
ASD013	82	83	36	ASD015	112	113	133	ASD016	100	101	10
ASD013	83	84	23	ASD015	113	114	1554	ASD016	101	102	13
ASD014	0	1	188	ASD015	114	115	796	ASD016	102	103	0
ASD014	1	2	54	ASD015	115	116	220	ASD016	103	104	16
ASD014	2	3	155	ASD015	116	117	228	ASD016	104	105	16
ASD014	3	4	57	ASD015	117	118	123	ASD016	105	106	11
ASD014	4	5	85	ASD015	118	119	56	ASD016	106	107	18
ASD014	5	6	117	ASD015	119	120	79	ASD016	107	108	13
ASD014	6	7	266	ASD015	120	121	720	ASD016	108	109	15
ASD014	7	8	235	ASD015	121	122	139	ASD016	109	110	11
ASD014	8	9	77	ASD015	122	123	55	ASD016	110	111	17
ASD014	9	10	176	ASD015	123	124	276	ASD016	111	112	15
ASD014	10	11	215	ASD015	124	125	213	ASD016	112	113	17
ASD014	11	12	259	ASD015	125	126	273	ASD016	113	114	0
ASD014	12	13	125	ASD015	126	127	150	ASD016	114	115	11
ASD014	13	14	653	ASD015	127	128	46	ASD016	115	116	10
ASD014	14	15	158	ASD015	128	129	33	ASD016	116	117	38
ASD014	15	16	85	ASD015	129	130	38	ASD016	117	118	14
ASD014	16	17	103	ASD015	130	131	23	ASD016	118	119	16
ASD014	17	18	37	ASD015	131	132	19	ASD016	119	120	14
ASD014	18	19	43	ASD015	132	133	20	ASD016	120	121	19
ASD014	19	20	174	ASD015	133	134	16	ASD016	121	122	19
ASD014	20	21	17	ASD015	134	135	18	ASD016	122	123	18
ASD014	21	22	24	ASD015	135	136	30	ASD016	123	124	12
ASD014	22	23	35	ASD015	136	137	27	ASD016	124	125	12
ASD014	23	24	63	ASD015	137	138	18	ASD016	125	126	30
ASD014	24	25	19	ASD015	138	139	62	ASD016	126	127	264
ASD014	25	26	17	ASD015	139	140	453	ASD016	127	128	165
ASD014	26	27	45	ASD015	140	141	541	ASD016	128	129	153
ASD014	27	28	39	ASD015	141	142	234	ASD016	129	130	36
ASD014	28	29	25	ASD015	142	143	514	ASD016	130	131	48
ASD014	29	30	30	ASD015	143	144	140	ASD016	131	132	47
ASD014	30	31	31	ASD015	144	145	166	ASD016	132	133	14
ASD014	31	32	17	ASD015	145	146	201	ASD016	133	134	12
ASD014	32	33	30	ASD015	146	147	143	ASD016	134	135	20
ASD014	33	34	26	ASD015	147	148	176	ASD016	135	136	8
ASD014	34	35	22	ASD015	148	149	326	ASD016	136	137	37
ASD014	35	36	24	ASD015	149	150	319	ASD016	137	138	28
ASD014	36	37	22	ASD015	150	151	169	ASD016	138	139	549
ASD014	37	38	15	ASD015	151	152	301	ASD016	139	140	559
ASD014	38	39	60	ASD015	152	153	401	ASD016	140	141	81
ASD014	39	40	122	ASD015	153	154	297	ASD016	141	142	63
ASD014	40	41	122	ASD015	154	155	444	ASD016	142	143	17
ASD014	41	42	27	ASD015	155	156	297	ASD016	143	144	11