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ABN 52 137 606 476

ASX RELEASE

31 January 2023

Re-release of ASX Announcement titled "NWQ Copper Project development targets"

Castillo Copper Ltd (ASX: CCZ) wishes to advise that its ASX announcement of 23 January 2023 titled "NWQ Copper Project development targets" has been amended as follows:

- The inclusion of an Exploration Target for the Big One prospect (EPM 26574).
- The inclusion of the full drillhole assay report and the results of surface rock chip sampling to the south and to the east of the drilling program recently conducted at the Arya prospect (EPM 26525).
- The inclusion of the results of the metallurgical test work of a graphite-bearing RC composite sample from drillhole AR_002RC comprising sizing and petrographic investigation (EPM 26525).

The amended announcement is attached.

The Board of Castillo Copper Limited authorised the release of this announcement to the ASX.

Yours sincerely

Dale Hanna

Company Secretary

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Exploration with Purpose

NWQ Copper Project's development targets

Highlights

- **Following a review of prospects at the NWQ Copper Project (Mt Isa copper-belt), CCZ's geology team will be undertaking site visits to several prospects – including Big One, Arya and Valparaisa – during 1H 2023, to identify new drill targets**
- **The initial focus will be on the Big One, which has an inferred Mineral Resource Estimate (MRE) of 2.1Mt @ 1.1% Cu for 21,886kt[1] copper metal post-two drilling campaigns across 2020-21:**
  - **Factoring in a large conductor north of the line of lode, plus reconciling available geophysics and geochemical data, CCZ's geological consultant has set an Exploration Target that ranges from 2-6Mt @ 0.6-1% Cu for 12-60kt copper metal***
- **The Valparaisa Prospect comprises copper mineralisation across two horizons over a 6km strike event, with the interaction of two intersecting faults suggesting a structurally controlled copper system that can potentially be drill-tested[2]**
- **At the Arya Prospect, there is a significant magnetic anomaly, south of a known graphite system[3] (test drilled in late 2021), that shows potential to be a primary source of copper mineralisation**
- **Meanwhile, final drill and auger assays, which are still pending, should define the potential scale of the rare earth element discovery at the BHA Project's East Zone**

Castillo Copper's Managing Director Dr Dennis Jensen commented: *"With the macro-outlook for copper remaining upbeat, the Board has authorised the geology team to visit several prospects to identify new targets to test-drill. Key areas of focus include increasing the grade and confidence in the current MRE at Big One and the magnetic anomaly at the Arya Prospect. Given the large size of the NWQ Copper Project, the Board remains open to aligning with a strategic partner to further advance development work."*

**** Cautionary Statement:*** *It should be noted that the Exploration Target tonnage range quoted above are conceptual in nature and there has been insufficient exploration to define a copper resource. Although a preliminary analysis was undertaken, insufficient data exists to confidently correlate mineralised horizons within the Exploration Target area. It is uncertain whether further exploration may lead to the reporting of a JORC-standard resource, however, there is some evidence to support the current exploration tonnage calculations, and the sufficient mineralised thicknesses interpreted from historical drilling to warrant further investigation in some areas.*

NWQ Copper Project – Site Visit

Castillo Copper Limited's ("CCZ") Board, following a review of prospects within the NWQ Copper Project (Appendix A), has authorised the geology team to visit several prospects – including Big One, Arya and Valparaisa – during 1H 2023 to identify new targets for test-drilling.

A summary of salient points from the review for the three prospects highlighted follows:

Big One

Whilst some areas around Big One were drill-tested in the 2020-21 drilling campaigns, much of the area remains under-explored which highlights the exploration potential.

Utilising information from CCZ's drilling campaigns, complemented with historical data, CCZ's geological consultant compiled an extensive database, built a block model, and produced a maiden 2012 JORC Inferred MRE at 2.1Mt @ 1.1% Cu for 21,886kt copper metal[1] (Figure 1).

FIGURE 1: MINERAL RESOURCE TONNAGES BIG ONE COPPER MINE

Tenure Name	Ore Type	Depth (m)	Specific Gravity (kg/m^3)	Inferred (Mt)	Indicated (Mt)	Copper Grade %	Silver Grade g/t	Contained Copper (t)	Contained Silver (kg)
Mine Dumps	Oxidised	At surface/ROM	2.55	0	0.007	1.2	4.0	86	29.6
Mine Insitu	Oxidised	2-70	2.65	1.7	0	1.0	1.1	17,000	1,870
Mine Insitu	Fresh	70-120	2.75	0.4	0	1.2	1.4	4,800	560
Sub-Totals				2.1	0.007			21,886	2,459.6

Note: No measured resources estimated.

Source: CCZ geology team

Building on this work, the geology team believe further drilling is warranted along the known orebody to the east, north and downdip as it is not fully defined. Specifically, the geology team believe a well-designed drilling campaign – focussing on diamond coring – has the potential to materially increase the grade and confidence in the current MRE, as the orebody is open to the east and downdip.

In addition, an Exploration Target* (to the standard of Clause 17 of the 2012 JORC Code) has been estimated utilising the following information:

- the MRE plus some areas proximal to and downdip to the main resource shell; and
- available geophysics and surface sampling data.

The Exploration Target's* mid-range is 4Mt @ 0.6-1.0% Cu, with the low at 2Mt and high at 6Mt – refer to Figures 2 & 3. It should be explained that this is an enlarged range of tonnage compared to the MRE due a new wireframe model extended along the entire line of lode.

**** Cautionary Statement:*** *It should be noted that the Exploration Target tonnage range quoted above are conceptual in nature and there has been insufficient exploration to define a copper resource. Although a preliminary analysis was undertaken, insufficient data exists to confidently correlate mineralised horizons within the Exploration Target area. It is uncertain whether further exploration may lead to the reporting of a JORC-standard resource however there is some evidence to support the current exploration tonnage calculations, and the sufficient mineralised thicknesses interpreted from historical drilling to warrant further investigation in some areas.*

FIGURE 2: BIG ONE – EXPLORATION TARGET *

Target	Strike Length (m)	Strike Length (m)	Width (m)	Width (m)	Depth below surface (m)	Depth below surface (m)	Density (t/m^3)	Density (t/m^3)
Ranges	**Low**	**High**	**Low**	**High**	**Low**	**High**	**Low**	**High**
Big One	600	1,550	4	14	10	190	2.65	2.80

Note: Mid-points as follows – Strike length (1,550m); Width (9m); Depth below surface (100m); Density (2.725 t/m^3)

Source: CCZ geology team

FIGURE 3: BIG ONE – EXPLORATION TARGET FOR COPPER *

Target	Tonnage (Mt)	Tonnage (Mt)	Grade (%)	Grade (%)	Contained Cu (t)	Contained Cu (t)
Ranges	**Low**	**High**	**Low**	**High**	**Low**	**High**
Big One	**2.0**	**6.0**	**0.6**	**1.0**	**12,000**	**60,000**

Notes:

1. Mid-points as follows – Tonnage (4Mt); Grade (0.8%); Contained copper (32,000t)
2. Volume and mass are exclusive of the Big One Copper Mine's Inferred resource shell.
3. Where quoted, it should be noted that where Exploration Target tonnages are estimated in this ASX Release, they are considered non-JORC (Clause 17 Exploration Results) and are conceptual in nature. There has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource.
4. At 0.5% Cu cut-off.

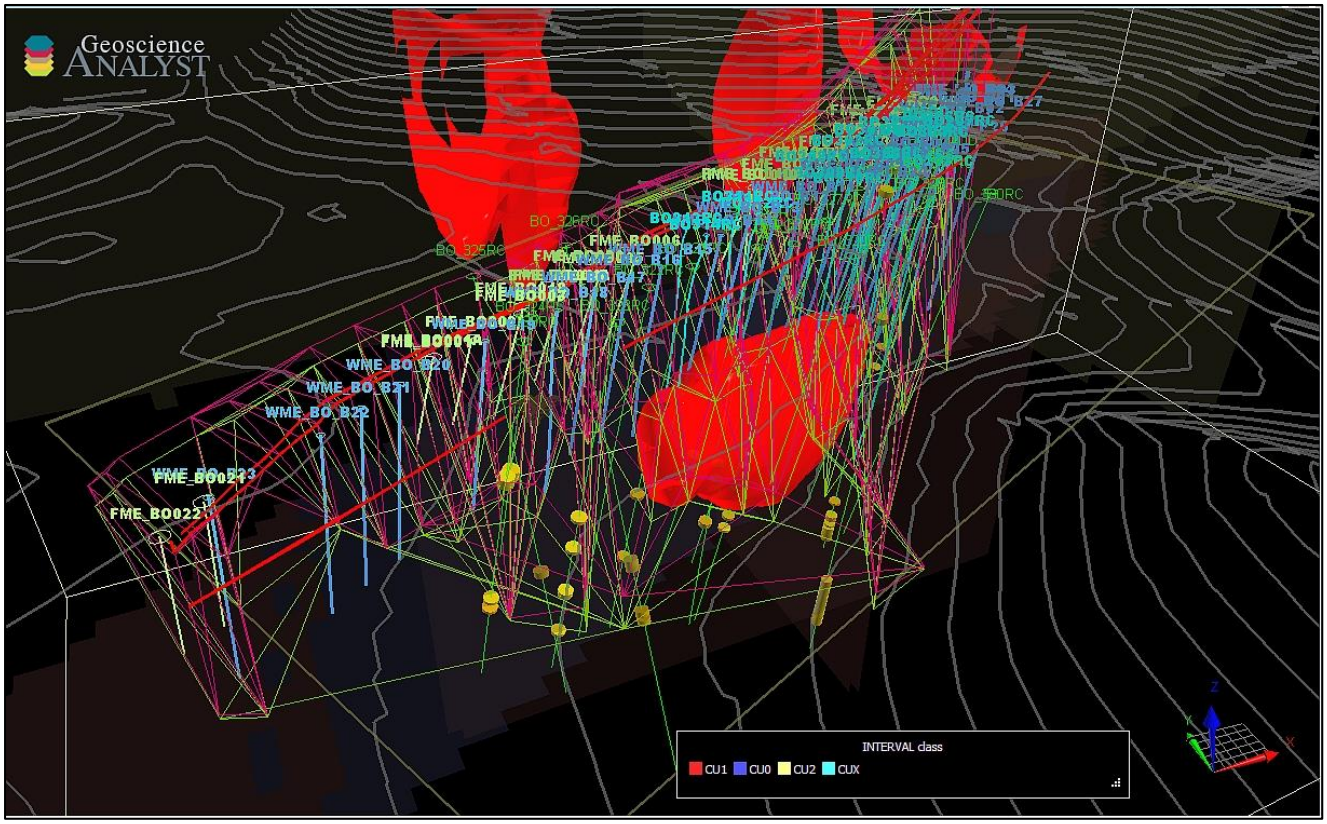
Source: CCZ geology team

Cautionary Statement: *It should be noted that the Exploration Target tonnage range quoted above are conceptual in nature and there has been insufficient exploration to define a copper resource. Although a preliminary analysis was undertaken, insufficient data exists to confidently correlate mineralised horizons within the Exploration Target area. It is uncertain whether further exploration may lead to the reporting of a JORC-standard resource however there is some evidence to support the current exploration tonnage calculations, and the sufficient mineralised thicknesses interpreted from historical drilling to warrant further investigation in some areas.*

Furthermore, there are strong historical surface copper anomalies in the north-west and south-east of the Big One historic mine, which should be covered by detailed geological mapping and soil sampling and then drill testing.

A forward geological work program, including a suitable ground geophysical program (magnetics and gravity) is in early stages of planning, and is likely to include reverse circulation drilling to the immediate north and east of Big One, and deep core drilling at the eastern dyke extent which should convert some of the Exploration Target to a JORC Resource.

FIGURE 4: BIG ONE MINE - LOCATION OF EXPLORATION TARGET SHELL RELATIVE TO DRILLING



Notes:

1. Coordinates MGA94-Zone 54.
2. IP Highly anomalous zones shown in red.
3. Looking northeast, with two (2) times vertical exaggeration.
4. Yellow discs on boreholes are laboratory assay Cu >1,000ppm.
5. Footwall triangulation in light pink.
6. Exploration Target wireframe shown in green. The MRE model was only generated to 80m, the Exploration Target is extrapolated to 150m and to the west to the edge of current and historical drilling.

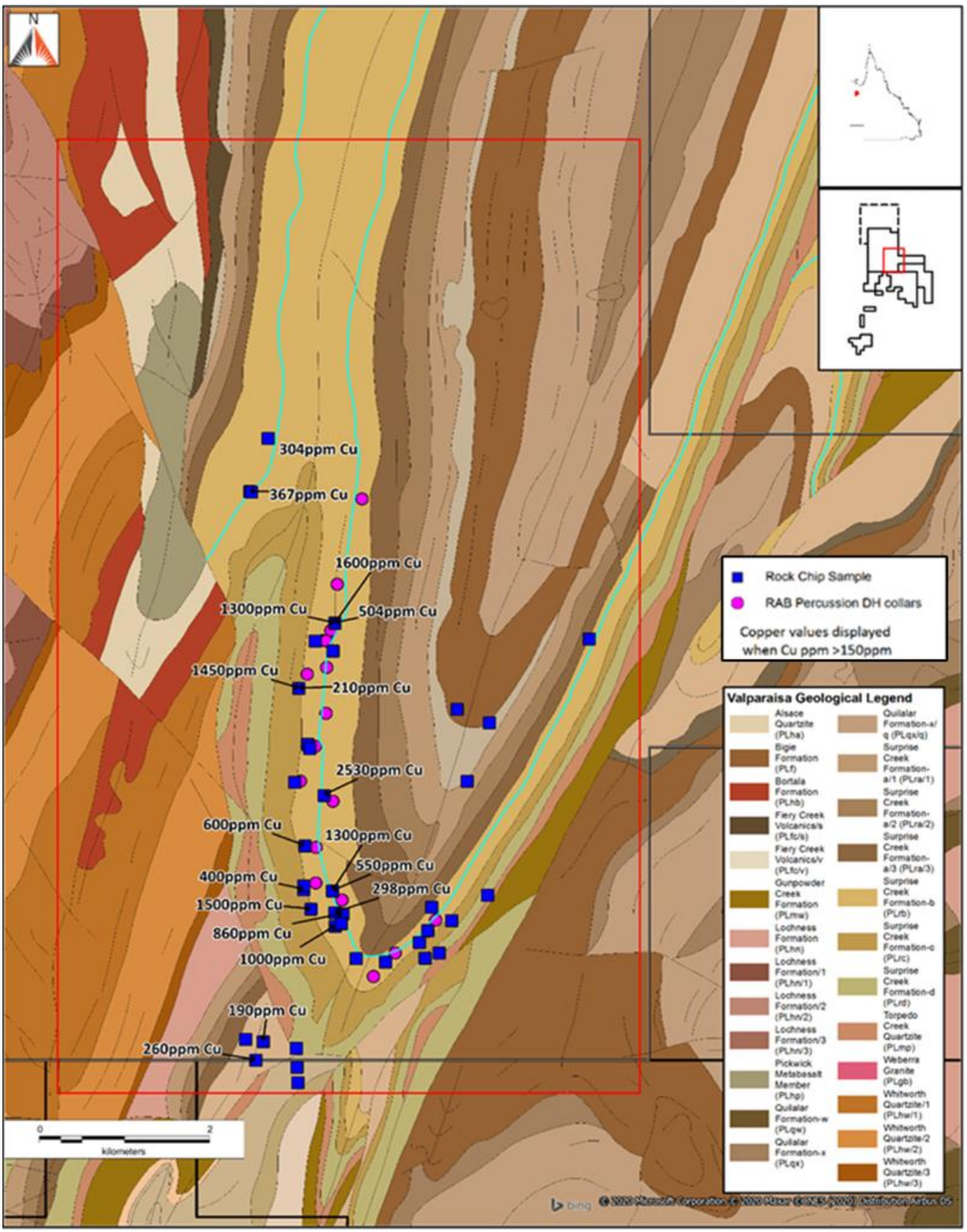
Valparaisa Prospect

The Valparaisa Prospect comprises copper mineralisation in two horizons – termed the “upper and lower copper beds” – within the Middle Gunpowder Creek Formation over a 6km strike length (Figure 5). Compared with the ‘upper bed’ the ‘lower bed’ has the stronger outcrop and more copper staining (Smith 2019).

Previous explorers, including BHP, undertook rock-chip sampling which returned high-grade assay results up to 2,530ppm Cu, demonstrating prospectivity at surface for copper mineralisation[2]. Interestingly, the surface anomalism aligns with the interaction of two intersecting faults – Mt Gordon (SW-NE – links to Mt Mammoth Deposit) and Valparaisa (SSE-NNW).

Reconciling and interpreting the foregoing facts has postulated that there is a structurally controlled copper system at the Valparaisa Prospect.

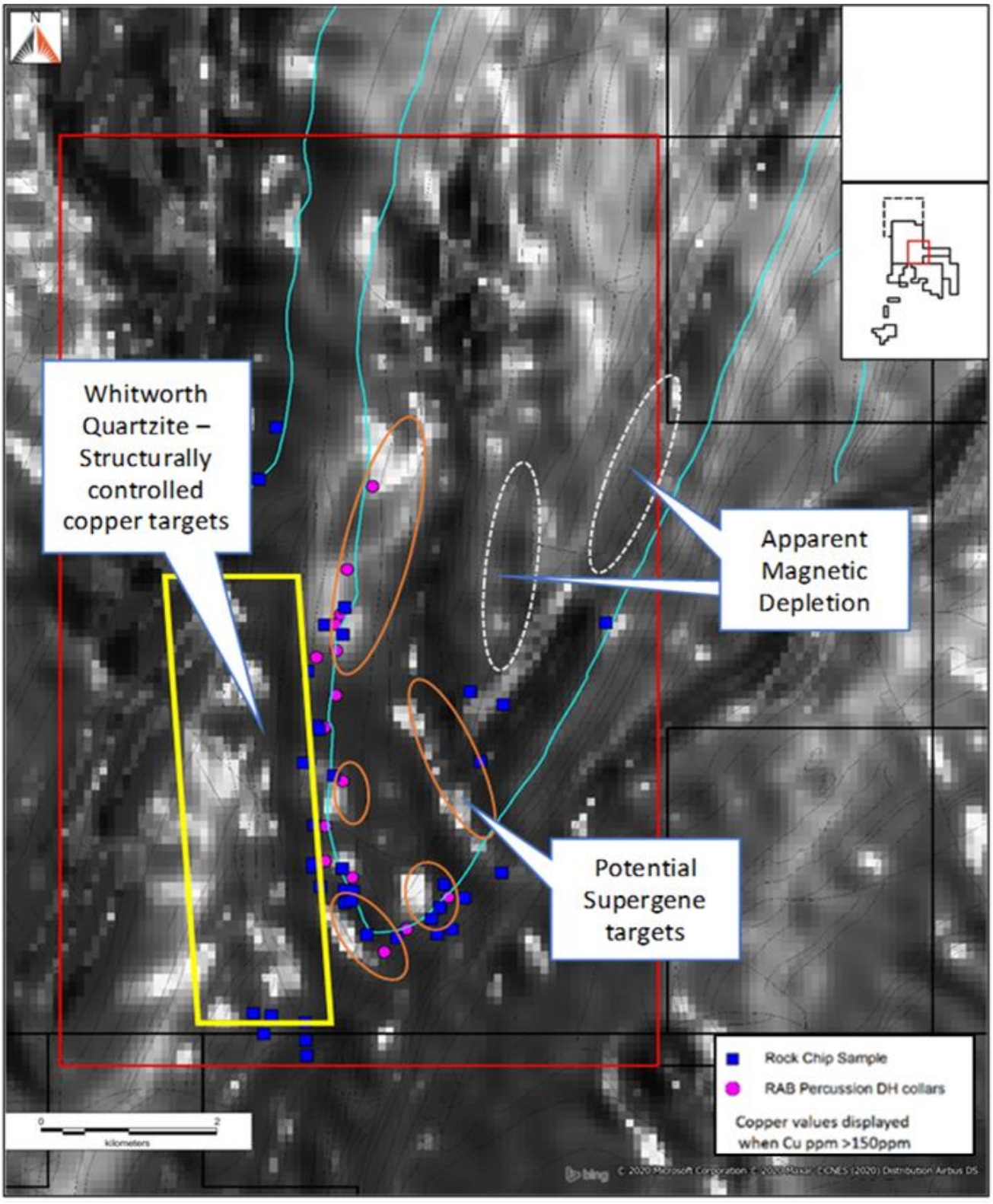
FIGURE 5: VALPARAISA PROSPECT – SOLID GEOLOGY, ROCK CHIPS & DRILLHOLES



Source: CCZ geology team

In terms of identifying potential targets for closer scrutiny, a key positive was identifying the Whitworth Quartzite rock formation within the Valparaisa fault. This is significant as it hosts copper sulphide mineralisation within the Mt Gordon fault at the Mt Mammoth Deposit. Reconciling this against overlaid magnetic imagery, enables several target areas for structurally controlled copper and supergene ore mineralisation to be generated (Figure 6).

FIGURE 6: STRUCTURALLY CONTROLLED AND SUPERGENE TARGETS



Source: CCZ geology team

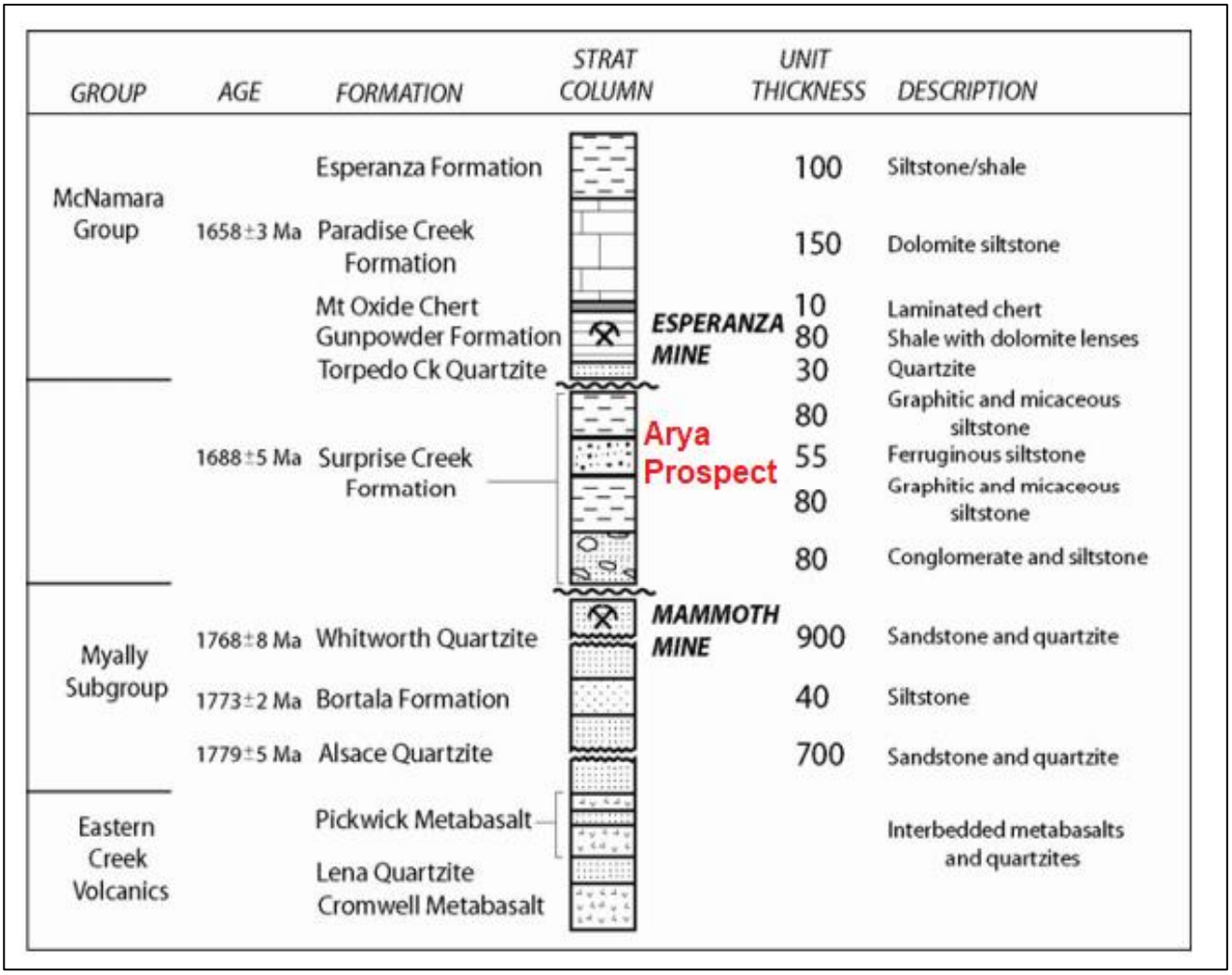
Arya Prospect

A limited drilling campaign in late 2021[3], designed to test several large airborne electro-magnetic and ground resistivity anomalies, confirmed a low-grade (<2% total graphitic carbon) graphite system that won't be further explored (refer Appendix B and C for assay results). Also finalised after the completion of drilling was some basic metallurgical testing that involved sizing and petrographic analysis of a 20m composite sample from AR_002RC that was shown to contain small amounts of graphite at a sizing all <50µm (see Appendix C for a detailed discussion).

However, a sizeable magnetic anomaly – south of the known electro-magnetic anomalies – is interpreted to be associated with known surface copper and to a lesser degree silver mineralisation (for diagram illustrating the anomaly, refer to Appendix B and C, Figures AC-6 &7). A key focus of the site visit is to determine if this should be drill-tested as it may be a primary source of base metal mineralisation at the Arya Prospect.

In terms of regional geology, the Arya Prospect is located in the Western Mt Isa Succession, within a structurally deformed and copper anomalous district that hosts the Capricorn Copper Mine, Mt Oxide Mine and the Ladie Annie Mine. These are hosted within units of the upper Myally sub-group to lower McNamara Group, while the Arya Prospect is hosted within the Surprise Creek formation (Figure 7).

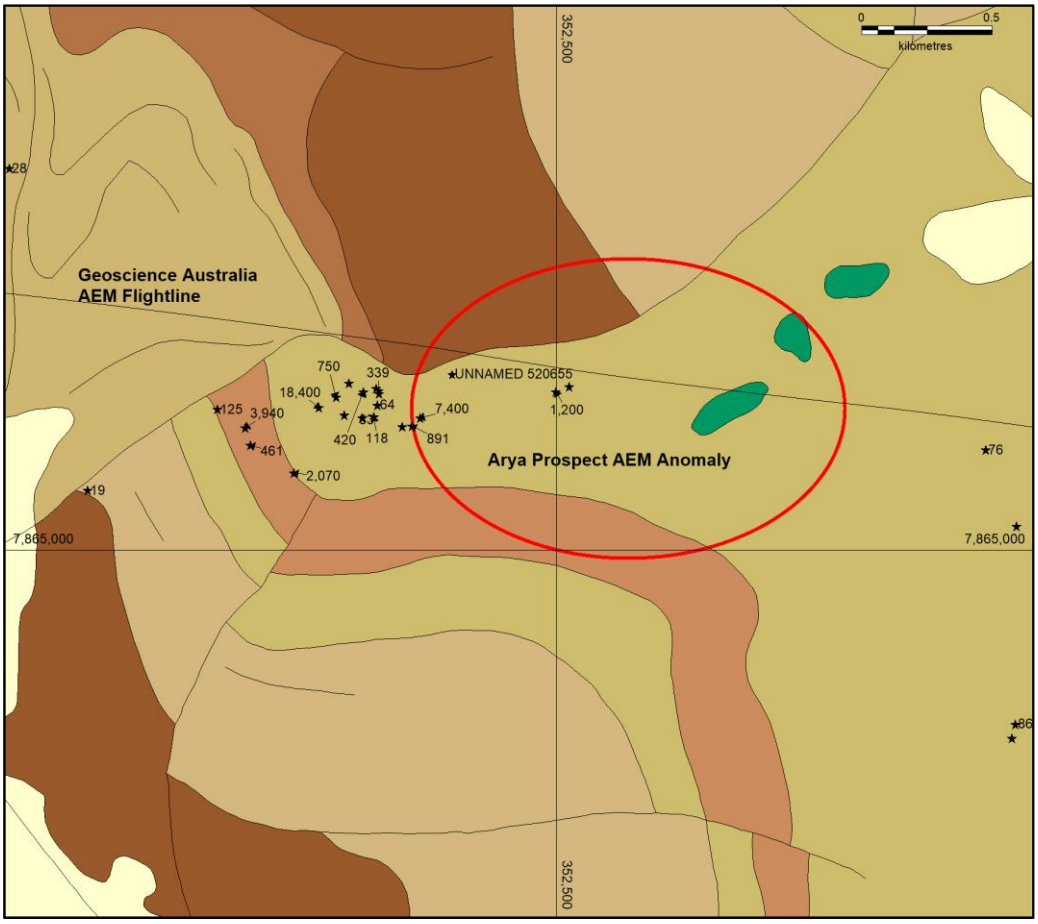
FIGURE 7: STRATIGRAPHIC COLUMN



Source: Smith (2019) – reference 4

In terms of local geology, the Arya Prospect is located within the Surprise Creek Formation unit (Prd), with several results from rock-chip sampling indicative of a structural system for anomalous copper values (Figure 8). Moreover, the Arya Prospect is proximal to an east to north-east trending fault that offsets the Surprise Creek unit (Prd) from lower units near the base of the Surprise Creek Formation, and Myally Sub-Group units, including quartzites, and sandstones.

FIGURE 8: COPPER GEOCHEMISTRY ON QUEENSLAND GOVT GEOLOGICAL MAP



Source: Smith (2019) – reference 4

Interpreting these findings, suggests probable mineralisation styles include:

- ❖ Supergene mineralisation forming at the surface along the fault, fault breccia, and the Surprise Creek Formation (PLrd) rock unit.
- ❖ Epigenetic replacement mineralisation for Cu (with minor components of other base metals and gold) from replacement carbonate mineralisation, particularly the Surprise Creek Formation.
- ❖ Skarn mineralisation for Cu-Au and/or Zn-Pb-Cu from replacement carbonate mineralisation, particularly the Surprised Creek Formation.
- ❖ Sulphide mineralisation within breccia zones, along stress dilation fractures, emplaced within pore spaces, voids, or in other rock fractures; and/or dykes.

Main ore minerals observed comprise:

- ❖ Malachite and chrysocolla along foliation, in brecciated/strongly haematitic sedimentary rocks.
- ❖ Quartzite/rhyolite with chrysocolla on joint surfaces and fractures, circa 3-5% Cu.
- ❖ Malachite and azurite on joint planes in porous sandstone.

The Board of Castillo Copper Limited authorised the release of this announcement to the ASX.

Dr Dennis Jensen

Managing Director

Competent Person's Statement

The information in this report that relates to Exploration Results, Exploration Targets, and Mineral Resource Estimates for "BHA Project, East Zone" is based on information compiled or reviewed by Mr Mark Biggs. Mr Biggs is a director of ROM Resources, a company which is a shareholder of Castillo Copper Limited. ROM Resources provides ad hoc geological consultancy services to Castillo Copper Limited. Mr Biggs is a member of the Australian Institute of Mining and Metallurgy (member #107188) and has sufficient experience of relevance to the styles of mineralisation and 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, and Mineral Resources. Mr Biggs holds an AusIMM Online Course Certificate in 2012 JORC Code Reporting. Mr Biggs also consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The Australian Securities Exchange has not reviewed and does not accept responsibility for the accuracy or adequacy of this release.

References

1) CCZ ASX Release – 28 February 2022

2) CCZ ASX Release – 7 September 2020

3) CCZ ASX Release – 10 August 2021 & 17 November 2021; 28 January 2022

4) Smith P., 2019, Ayra Mt Oxide prospect, unpublished report by Yoda Consulting Pty Ltd to Castillo Copper Limited, Apr 2019, 15pp.

5) Also refer to Appendix E for further references.

About Castillo Copper

Castillo Copper Limited is an Australian-based explorer primarily focused on copper across Australia and Zambia. The group is embarking on a strategic transformation to morph into a mid-tier copper group underpinned by its
core projects:

- A large footprint in the in the Mt Isa copper-belt district, north-west Queensland, which delivers significant exploration upside through having several high-grade targets and a sizeable untested anomaly within its boundaries in a copper rich region.
- Four high-quality prospective assets across Zambia's copper-belt which is the second largest copper producer in Africa.
- A large tenure footprint proximal to Broken Hill's world-class deposit that is prospective for cobalt-zinc-silver-lead-copper-gold and platinoids.
- Cangai Copper Mine in northern New South Wales, which is one of Australia's highest grading historic copper mines.
  .

The group is listed on the LSE and ASX under the ticker "CCZ."

Directors

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ASX/LSE Symbol

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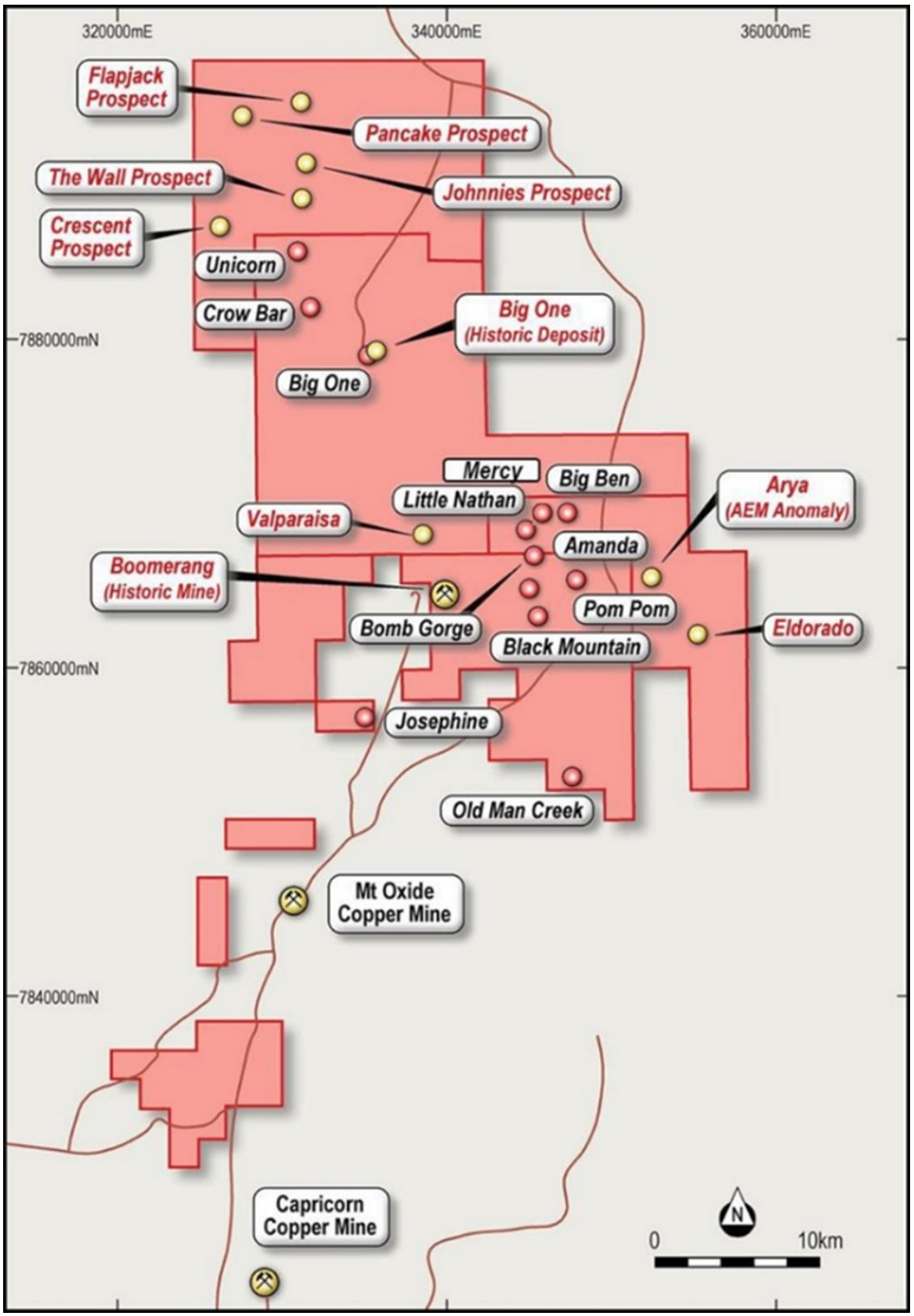
APPENDIX A: NWQ COPPER PROJECT

FIGURE A1: PROSPECTS WITHIN NWQ COPPER PROSPECT



Source: CCZ geology team

APPENDIX B: JORC CODE, 2012 EDITION – TABLE 1 AYRA DRILLING,SURFACE ROCK CHIP SAMPLING AND METALLURGICAL TESTING

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *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.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (e.g., 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (e.g., submarine nodules) may warrant disclosure of detailed information.*	**Drilling** • Reverse Circulation samples were taken off a cyclone for every metre drilled, put through a three tier, 87.5/12.5 splitter where approximately 2.5 kg of RC chip samples were collected for every metre drilled. The remainder was bagged separately and stored in case additional sub sampling is required before the end of the program. • Samples were also composited every four metres where visual inspection did not initially indicate copper or cobalt mineralisation. All samples were collected to maximise optimal representation for each sample. • Each metre sample had an amount removed for washing and cleaning and sieving then place into metre allocated chip trays. These chips were logged on site by the rig geologists and those logs have been saved into a spreadsheet and stored on the Company server. Any visible mineralisation, alteration or other salient features were recorded in the logs. Industry-wide, acceptable, standard practices were adhered to for the drilling and sampling of each metre as per the drilling and sampling Procedures set out before commencement of the drilling programme. **Rock Chip Sampling** • CCZ completed rock chip sampling methods over at least four (4) separate surface sampling campaigns and are described in the October

		and November 2021 ASX Releases, a generalised description of rock chip sample collection is presented here. • Rock Chip Samples – were collected up to approximately a 5m radius around the recorded co-ordinate location. The rock chip fragments that were collected to make up the sample included a typical fragment size that approximately ranged from 2-5cm. • Sub-sampling occurred as described in the section 'Sub-sampling techniques and sample preparation' in Section 1 of this Appendix B. • The surface sample results described in this ASX Release are suitable for the reporting 'exploration results' for mineral prospectivity, additional exploration work would have to be completed to geologically model and then estimate a mineral resource.
Drilling techniques	• *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).*	• Reverse Circulation, RC, and Rotary Air blast (RAB) drilling techniques were utilised for all holes drilled at the Arya Deposit.
Drill sample recovery	• *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.*	• For the 2021 program, within acceptable industry standard limits, all samples collected were of near equal mass and recoveries were also within acceptable limits for RC drilling and all recorded in the daily logs. Every effort was made on site to maximise recovery including cleaning out the sample trays, splitter and cyclone and ensuring that the drillers progressed at a steady constant rate for the rig to easily complete each metre effectively.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate*	• Every metre drilled and sampled was logged geologically in accordance with industry-wide acceptable standard for RC logging and the logging was qualitative in nature with every metre logged. The 2021 program

	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.*	recorded visible sulphide, carbonate, and graphite concentrations and alteration minerals, such as orthoclase, epidote, chlorite, and sericite.
Sub-sampling techniques and sample preparation	• *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.* • *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.*	**Drilling** • For the 2021 program, samples with pXRF copper <200ppm were composited every four metres and all samples were collected to maximise optimal representation for each sample. If XRF is not available, then all samples with no visible mineralisation were sampled as above. • Each metre sample had an amount removed for washing and cleaning and sieving then place into metre allocated chip trays. These chips were logged on site by the rig geologists and those logs have been saved into a spreadsheet and stored on the Company server. Any visible mineralisation, alteration or other salient features were recorded in the logs. Industry wide, acceptable, standard practices were adhered to for the drilling and sampling of each metre as per the Drilling and Sampling Procedures set out before commencement of the drilling programme. • Any reporting of significant mineralised intervals was on a received apparent thickness x interval calculation (i.e., thickness averaged). **Rock Chip Sampling** • All surface samples were collected dry. • The surface sample results described in this ASX Release are suitable for the reporting ‘exploration results’ for mineral prospectivity, additional exploration work would have to be completed to geologically model and then estimate a mineral resource.

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, 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.*
	
	• *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*
		• CCZ's RC holes were assayed by an independent laboratory, ALS, at a combination of their Mt Isa and Brisbane Facilities in Queensland. Methods used were as follows:
		
		  ○ Gold – by method **Au-AA25** 30g charge (fire Assay with AAS finish).
		
		  ○ Copper and 59 other – by method **ME-MS61R** (HF-HN03-HCL04 acid digest, HCL leach and ICP-AES finish). It should be noted that REEs may not be totally soluble in this method.
		
		  ○ Over-limit copper (>10,000 ppm [0.01%]) to be re assayed for copper by method **Cu-OC62** (HF-HN03-HCL04 acid digest, HCL leach and ICP-AES finish).
		
		  ○ Total Carbon (Tc%) by method **IR-07** and graphitic carbon (Cg %) by method **IR-18**
		
		• These analytical methods are considered as suitable and appropriate for this type of mineralisation.
		
		• All methods used were both suitable and appropriate for the styles of mineralisation present in the Arya Deposit at the time of sampling both RC chips and surface rock chip samples.
		
		Metallurgical Testing
		
		• One composite sample from drill-hole AR_002RC, sized into 7 fractions, was submitted for optical investigation, with the main aim of characterising the presence and mode of occurrence of graphite (Schulz and others 2022; refer to Appendix E for reference list).
		
		• Polished blocks were prepared for all size fractions, and these were examined using a petrographic microscope (reflected light). Further, representative splits of the +800 µm and +500 µm fractions were examined using a stereo microscope.

		• Reflected light images of selected fields of the polished blocks (all size fractions) and stereo-microscope images of the unmounted +800 µm and +500 µm fractions were included in the metallurgical report (refer Appendix D: Schulz and others 2022). Figures in Appendix C, following, illustrates the nature of mica and sulphide inclusions in the sized schist chips. • Further information is provided in the commentary of the drilling program in Appendix C
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• All CCZ's RC hole samples have been audited for completeness from ALS have been reviewed by two independent consultant geologists. • For current the rock chip sampling, Independent Laboratory assaying by ALS has confirmed, within acceptable limits, the occurrences of high-grade copper inferred from the initial XRF readings. Laboratory standards water blanks, and duplicates were used in accordance with standard procedures for geochemical assaying.
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.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• For rock chip samples positions were recorded by handheld GPS with areas highlighting anomalies sometimes returned to for additional sampling and locations checked by handheld GPS. • For locational data for the 4 drillholes completed refer to Table AC-1 in Appendix C. Collars are listed in MGA94 Zone 54 Easting (mE) and Northing (mN);and collar reduced levels are in AHD. • The Arya rock chip sample dataset is anticipated on average to have up to a +/-20m horizontal level of accuracy in sample locations and range up to a +/-10m of accuracy in sample locations for vertical accuracy. Surface sample and assay data had been prepared and compiled into Manifold GIS System and all data converted to GDA94-Zone 54.

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.*	• For the Arya surface sampling modelling for copper, the average RMS sample-to-sample spacing was as follows: ○ Rock chip 200m • Drillholes were spaced approximately 250m apart.
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.* • *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.*	• In general, the strike of the Surprise Creek Formation is east-northeast to east, dipping moderately to the north. For 'Arya' rock chips there was no fixed orientation as these methods were used in the first instance to define distinct areas of anomalisms, based on areas of observed surface mineralisation. • For 'Arya' rock chips that produced significant anomalous values appear to be associated with the mapped fault, fault bounded breccia, and the Surprise Creek Formation 'PLrd' rock unit ('Prd' historical) that dominates the 'Arya' prospect to the south of the fault. • All drilling is intended to be vertical to intersect the dipping sedimentary beds.
Sample security	• *The measures taken to ensure sample security.*	• Each day's RC samples were removed from site and stored in a secure location off site. • The RC chip samples taken were securely locked within the vehicle on site until delivered to Mt Isa for despatch to the laboratory in person by the field personnel.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	No external reviews or audits have been undertaken, except for the Independent Geologists Report by SRK in 2019 for the LSE Listing and a review of the airborne and ground geophysics by the GeoDiscovery Group. Note, the reference is: Nelson (2021). Also refer to Appendix E for other relevant references).

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.*	• The following mineral tenures are held 100% by subsidiaries of Castillo Copper Limited, totalling an area of approximately 961km^2 in the "NWQ project": • EPM 26574 (Valparaisa North) – encompasses the Big One historical mineral resource, Holder Total Minerals Pty Ltd, granted 12-June-2018 for a 5-year period over 100 sub-blocks (323.3Km2), Expires 11-June-2023. • EPM 26462 (Big Oxide North) – encompasses the 'Boomerang' historical mine and the 'Big One' historical mine, Holder: QLD Commodities Pty Ltd, granted: 29-Aug-2017 for a 5-year period over 67 sub-blocks (216.5Km^2), Expires: 28-Aug-2022. • EPM 26525 (Hill of Grace) – encompasses the Arya significant aeromagnetic anomaly, Holder: Total Minerals Pty Ltd for a 5-year period over 38 sub-blocks (128.8Km2), Granted: 12-June 2018, Expires: 11-June-2023. • EPM 26513 (Torpedo Creek/Alpha Project) – Granted 13-Aug 2018 for a 5-year period over 23 sub-blocks (74.2Km2), Expires 12-Aug-2023; and • EPM 27440 (The Wall) – An application was lodged on the 12-Dec2019 over 70 sub-blocks (~215Km^2) by Castillo Copper Limited. The tenure was granted on the 7th of March 2021.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• A selection of historical QDEX / mineral exploration reports has been reviewed for historical tenures that cover or partially cover the Project Area in this announcement. Federal and State Government reports supplement the historical mineral exploration reporting (QDEX open file exploration records).

		• Most explorers were searching for Cu-Au-U and/or Pb-Zn-Ag, and, proving satellite deposit style extensions to the several small sub-economic copper deposits (e.g., Big Oxide and Josephine). • With the NWQ Project in regional proximity to Mt Isa and numerous historical and active mines, the Project area has seen the historical mineral tenures subject to various styles of surface sampling, with selected locations typically targeted at specific locations within the NWQ Pillar by shallow drilling (Total hole depth is typically less than 75m). • The NWQ project tenure package has a significant opportunity to be reviewed and explored by modern exploration methods in a coherent package of EPM's, with three of these forming a contiguous tenure package. Arya prospect - the five (5) historical exploration reports generated by various explorers that contributed information and data to this ASX Release are detailed in the References section of the main body.
Geology	• *Deposit type, geological setting, and style of mineralisation.*	• The NWQ project is located within the Mt Isa Inlier of western Queensland, a large, exposed section of Proterozoic (2.5 billion- to 540-million-year-old) crustal rocks. The inlier records a long history of tectonic evolution, now thought to be like that of the Broken Hill Block in western New South Wales. • The NWQ project lies within the Mt Oxide Domain, straddling the Lawn Hill Platform and Leichhardt River Fault Trough. The geology of the tenement is principally comprised of rocks of the Surprise Creek and Quilalar Formations which include feldspathic quartzites, conglomerates, arkosic grits, shales, siltstones and minor dolomites and limestones. • The NWQ Pillar project area is cut by a major fault zone, trending north-northeast to south-southwest across the permits. This fault is associated with major folding, forming several tight syncline and anticline structures along its length. • The desktop studies commissioned by CCZ on the granted mineral tenures described four main styles of mineralisation account for most mineral

		resources within the rocks of the Mt Isa Province (after Withnall & Cranfield, 2013). • Sediment hosted silver-lead-zinc – occurs mainly within fine grained sedimentary rocks of the Isa Super basin within the • Western Fold Belt. Deposits include Black Star (Mount Isa PbZn), Century, George Fisher North, George Fisher South (Hilton) and Lady Loretta deposits. • Brecciated sediment hosted copper – occurs dominantly within the Leichhardt, Calvert, and Isa Super basin of the Western Fold Belt, hosted in brecciated dolomitic, carbonaceous, and pyritic sediments or brecciated rocks proximal to major fault/shear zones. Includes the Mount Isa copper orebodies and the Esperanza/Mammoth mineralisation. • Iron-oxide-copper-gold ("IOCG") – predominantly chalcopyrite, pyrite magnetite/hematite mineralisation within high grade metamorphic rocks of the Eastern Fold Belt. Deposits of this style include Ernest Henry, Osborne, and Selwyn; and • Broken Hill type silver-lead-zinc – occur within the high-grade metamorphic rocks of the Eastern Fold Belt. Cannington is the major example, but several smaller currently sub-economic deposits are known. • Gold is primarily found associated with copper within the IOCG deposits of the Eastern Fold Belt. However, a significant exception is noted at Tick Hill where high grade gold mineralisation was produced, between 1991 and 1995 by Carpentaria Gold Pty Ltd, some 700 000 tonnes of ore was mined at an average grade of 22.5 g/t Au, producing 15 900 kg Au. The Tick Hill deposit style is poorly understood (Withnall & Cranfield, 2013). • ROM Resources had noted in a series of recent reports for CCZ on the granted tenures, that cover the known mineralisation styles including: o Stratabound copper mineralisation within ferruginous sandstones and siltstones of the Surprise Creek Formation.

		○ Disseminated copper associated with trachyte dykes. ○ Copper-rich iron stones (possible IOCG) in E-W fault zones; and ○ possible Mississippi Valley Type (“MVT”) stockwork sulphide mineralisation carrying anomalous copper-lead-zinc and silver. • The Mt Oxide and Mt Gordon occurrences are thought to be breccia and replacement zones with interconnecting faults. The Mt Gordon/Mammoth deposit is hosted by brittle quartzites, and Esperanza by carbonaceous shales. Mineralisation has been related to the Isan Orogeny (1,590 – 1,500 Ma). • Mineralisation at all deposits is primarily chalcopyrite-pyrite-chalcocite, typically as massive sulphide within breccias. • At the Big One prospect, West Australian Metals NL described the mineralisation as (as sourced from the document “West Australian Metals NL, 1994. Drill Programme at the “Big One” Copper Deposit, North Queensland for West Australian Metals NL.”): • The targeted lode / mineralised dyke is observable on the surface. The mineralisation targeted in the 1993 drilling programmed is a supergene copper mineralisation that includes malachite, azurite, cuprite, and tenorite, all associated with a NE trending fault (062^{o} to 242^{o}) that is intruded by a porphyry dyke. • The mineralised porphyry dyke is vertical to near vertical (85^{o}), with the ‘true width’ dimensions reaching up to 7m at surface. o At least 600m in strike length, with strong Malachite staining observed along the entire strike length, with historical open pits having targeted approximately 200m of this strike. Exact depth of mining below the original ground surface is not clear in the historical documents, given the pits are not battered it is anticipated that excavations have reached 5m to 10m beneath the original ground surface.

		• Associated with the porphyry dyke are zones of fractured and/or sheared rock, the siltstones are described as brecciated, and sandstones around the shear as carbonaceous. • The known mineralisation from the exploration activities to date had identified shallow supergene mineralisation, with a few drillholes targeting deeper mineralisation in and around the 200m of strike historical open A strongly altered hanging wall that contained malachite and cuprite nodules. Chalcocite mineralization has been identified but it is unclear on the prevalence of the Chalcocite; and the mineralisation was amenable to high grade open pit mining methods of the oxide mineralization (as indicated by numerous historical open pit shallow workings into the shear zone). • Desktop studies commissioned by CCZ and completed by ROM Resources and SRK Exploration have determined that the Big One prospect is prospective for Cuco, and Ag. • Desktop studies commissioned by CCZ have determined the Boomerang prospect contains: • Secondary copper staining over ~800m of strike length. • Associated with a major east-west trending fault that juxtaposes the upper Surprise Creek Formation sediments against both the underlying Bigie Formation and the upper Quilalar Formation units. • At the 'Flapjack' prospect there is the potential for: o Skarn mineralisation for Cu-Au and/or Zn-Pb-Cu from replacement carbonate mineralisation, particularly the Quilalar Formation. o Thermal Gold Auroele mineralisation is a potential model due to the high silica alteration in thermal aureole with contact of A-Type Weberra Granite – related to the Au mineralisation; and/or o IOCG mineralisation related to chloride-rich fluids.

		• At the 'Crescent' prospect there is the potential for:
		  ○ Skarn mineralisation for Cu-Au and/or Zn-Pb-Cu from replacement carbonate mineralisation, particularly the Quilalar Formation; and/or
		  ○ Thermal Gold Auroele mineralisation is a potential model due to the high silica alteration in thermal aureole with contact of A-Type Weberra Granite – related to the Au mineralisation; and
		  ○ IOCG mineralisation related to potassic rich fluids.
		• At the 'Arya' prospect there is the potential for:
		  ○ Supergene mineralisation forming at the surface along the fault, fault breccia, and the Surprise Creek Formation 'PLrd' rock unit ('Prd' historical).
		  ○ Epigenetic replacement mineralisation for Cu (with minor components of other base metals and gold) from replacement carbonate mineralisation, particularly the Surprise Creek Formation.
		  ○ Skarn mineralisation for Cu-Au and/or Zn-Pb-Cu from replacement carbonate mineralisation, particularly the Surprised Creek Formation; and/or
		  ○ IOCG mineralisation related to chloride rich fluids.
		A selection of publicly available QDEX documents / historical exploration reports have been reviewed, refer to Section 2, sub-section "Further Work" for both actions in progress and proposed future actions.

Drill hole Information	• *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:*	• There is no historical drilling at Arya. • For the 2021 program, all drillhole information was coded to the same formatted spreadsheets used by CCZ, using the LogCheck field software.

	○ *easting and northing of the drill hole collar* ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* ○ *dip and azimuth of the hole* ○ *down hole length and interception depth* ○ *hole length.* • *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.*	• For CCZ's current drilling program, this information has been recorded in formatted spreadsheets during the drilling and will be checked and verified at the conclusion of the current program. • A summary of the holes drilled are given in Table AC-1 and 2 in Appendix C.
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.*	• No data aggregation methods are utilised in the current ASX Release, since the sampling types are surface rock chip samples. • The 1m RC samples collected from drilling were aggregated to 4m composites for assay using ME-MS61R, IR08, and IR17

Relationship between mineralisation widths and intercept lengths	• *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.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• The strike of the country rock is northeast to east, with the deep Arya conductor is orientated east – west. The smaller, shallower conductors strike north-northeast to northeast. The main faulting trends is northeast. • When available, all mineralised intervals (i.e., >500ppm) will be reported in future ASX releases as the "as-intersected" apparent thickness (in metres) and given that all drillholes dip at -90 degrees from the horizontal, true intersection widths will be calculated during the block modelling process.
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.*	• This part will be done once CCZ's current drilling program is completed, and all samples have been assayed and verified. • Appropriate diagrams are presented in the body and the Appendices of the current ASX Release. Where scales are absent from the diagram, grids have been included and clearly labelled to act as a scale for distance. • Maps and Plans presented in the current ASX Release are in MGA94 Zone 54, Eastings (mN), and Northing (mN), unless clearly labelled otherwise.
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.*	• Comprehensive reporting was completed (Biggs 2022) once CCZ's drilling program had all sample queries returned and have been verified. ○ Appropriate diagrams are presented in the body and the Appendices of the current ASX Release (see Figure AC-5 and AC-6). Where scales are absent from the diagram, grids have been included and clearly labelled to act as a scale for distance. • A complete comparison of visual mineralisation estimated by the site geologist will be published once all assays are returned. All intersected intervals are apparent thicknesses in metres.
Other substantive	• *Other exploration data, if meaningful and material, should be reported including (but not limited to):*	GEOTEM & PROTEM:

exploration data	*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.*	• The airborne electromagnetic GEOTEM geophysical survey undertaken by BHP Minerals in 1997 on historical tenure EPM11383 & EPM1152. A total of 726-line kilometres were flown on a SE-NW, flown by 'Geoterrex-Dighem Pty Limited' at a mean height of approximately 105m above the ground surface (line spacing 500m apart). Previous interpretations the penetration of the GEOTEM method to have an estimated range of between 200-300m below the ground surface, this is dependent on conductivity contrasts, size, and attitude of the subsurface targets. Eleven (11) anomalies were identified, with four (4) recommended for follow up, with three (3) of the four (4) anomalies followed up by ground geophysical at what CCZ calls the 'Arya' prospect. The BHP Minerals 1997 GEOTEM survey information was extracted from QDEX Data to accompany the QDEX report information. • The 'Arya' prospect anomalies are EG01, EG02, EG10, with the geophysical observations of the body and Appendices of the current ASX Release, including the PROTEM observations. The PROTEM observations are anticipated to have a deeper penetration than the GEOTEM observations, based on the PROTEM loop, survey traverse, and/or depth sounding method applied. QUESTEM & GENIE-EM: • The airborne electromagnetic GEOTEM geophysical survey undertaken by Mount Isa Mines in 1991 on historical tenure EPM7448, EPM7338, and EPM7863. A total of approximately 600km-line kilometres (exact line length would need to be extracted from digitised images) would were flown on a SE-NW, flown by 'Aerodata Holdings Limited' at a mean height of approximately 120m above the ground surface (line spacing 400m apart). In a previous ASX release (July 2020) Xplore Resources Pty Ltd interprets the penetration of the QUESTEM method to have an estimated range of between 200-300m below the ground surface, this is dependent on conductivity contrasts, size, and attitude of the subsurface targets. Twentynine (29) anomalies were identified across the three (3) historical tenure, with six (6) recommended for follow up ground geophysical survey for historical tenure EPM7448, and one of these L4 near the Arya prospect.

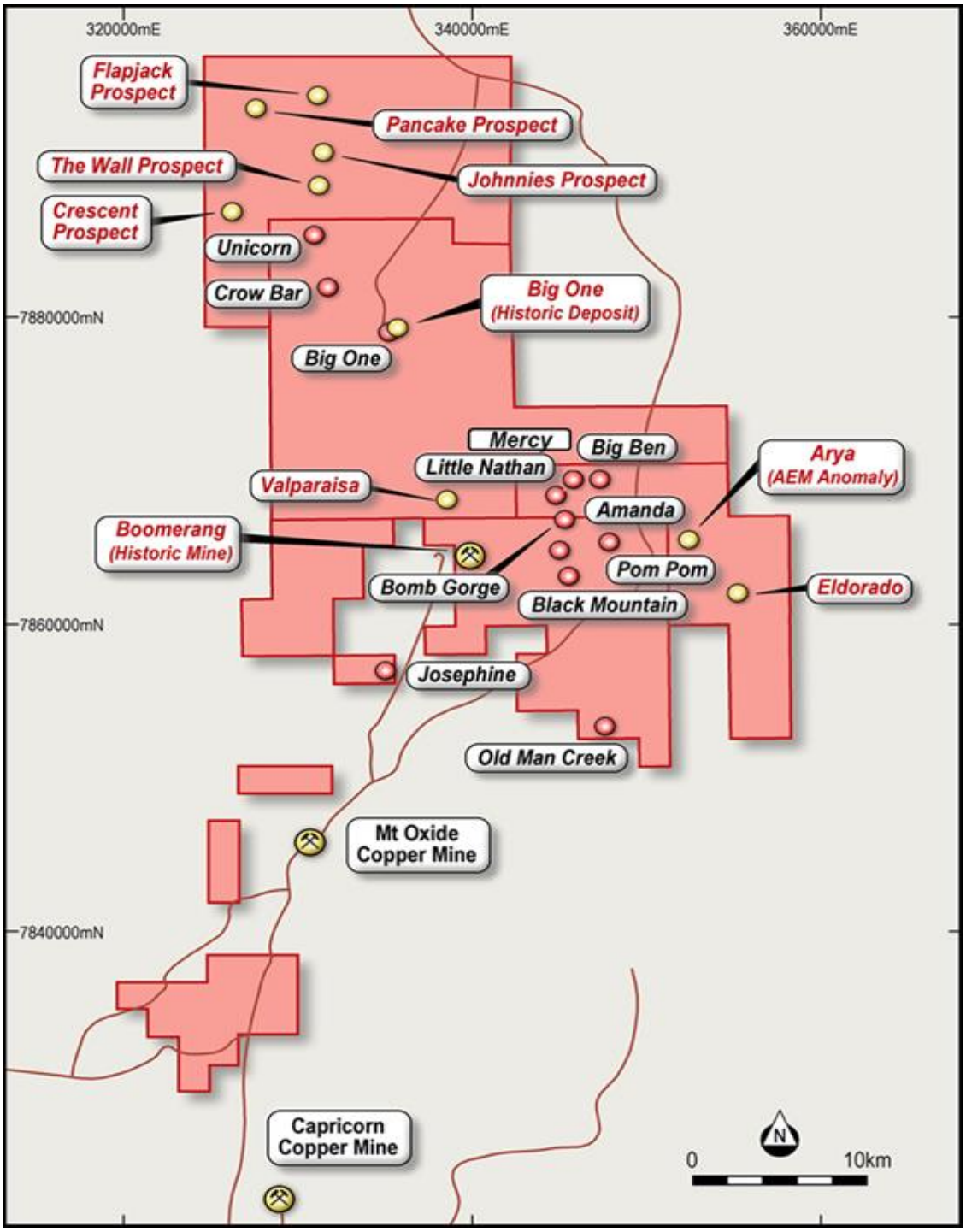
		• Arya prospect anomaly L4 followed up by a ground electromagnetic traverse by Mount Isa Mines GENIE-EM is to the west of the EG02 BHP minerals anomaly. • Queensland Government Data: 'PLrd' rock unit lower boundary from the Surprise Creek Formation sourced from QSpatial and aligns with GeoResGlobe – this is equivalent to the historical tenure reports 'Prd' rock unit lower boundary from the Surprise Creek Formation. **GEODISCOVERY REVIEW** The study of Nelson (2021) concluded that: • Whilst hard copies of the 1997 BHP ground EM data are available, no digital data is on open file. Hard copy profiles have been visually interpreted, however due to lack of digital data it cannot be remodelled. The historic BHP model results and survey locations have not been provided and there is uncertainty in the location of Anomaly E02. • Magnetic modelling, CDI and LEI of the TEMPEST survey line indicate the BHP depth estimate of conductive from the EG01 sounding is likely over estimated. Depth to main conductive sources appears to be between around 200m beneath surface (Nelson (2021). • EG02 appears to be associated with a fault and EG10 appears to be more surficial. • It is recommended that the LEI of the TEMPEST survey (most recent AEM data acquired in the region), along with magnetic model output be used to plan the next drill campaign. The current drill plan could be improved to better test the modelled conductive sources and structural features. • If the drill testing of the conductive sources indicates the presence of prospective lithologies and/or mineralisation, then consideration should be given to acquiring detailed ground EM and magnetic coverage to further assist targeting.

Further work	• *The nature and scale of planned further work (eg 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.*
		• Further work will consist of a combination of:
		  ○ Fourteen (14) hole RC drilling Program
		  ○ Soil and or Rock chip sampling
		  ○ Ground IP or EM Survey

APPENDIX C: DRILLING PROGRAM SUMMARY

The inaugural drilling campaign at the Arya Prospect (location shown in Figure AC-1) was completed in December 2021, after a massive logistical effort to prepare the drill-pads and helicopter lift the rig and all supporting equipment to site (see Figure AC-2). In each hole thick horizons (up to 55m) of dark grey and black carbonaceous siltstone / schist were intersected (Figure AC-3), with scattered, sparse base-metal sulphides, low levels of silver and TREO (all <400ppm), and fine-grained graphite mineralisation occurrences which remains open in all directions and to depth.

FIGURE AC-1: PROSPECTS COMPRISING THE NWQ COPPER PROJECT



Source: CCZ geology team

FIGURE AC-2: DRILLING AT SITE AR_20 (AR_001RCR)

Location: 351825 mN; 7865551 Mn; Source: CCZ geology team

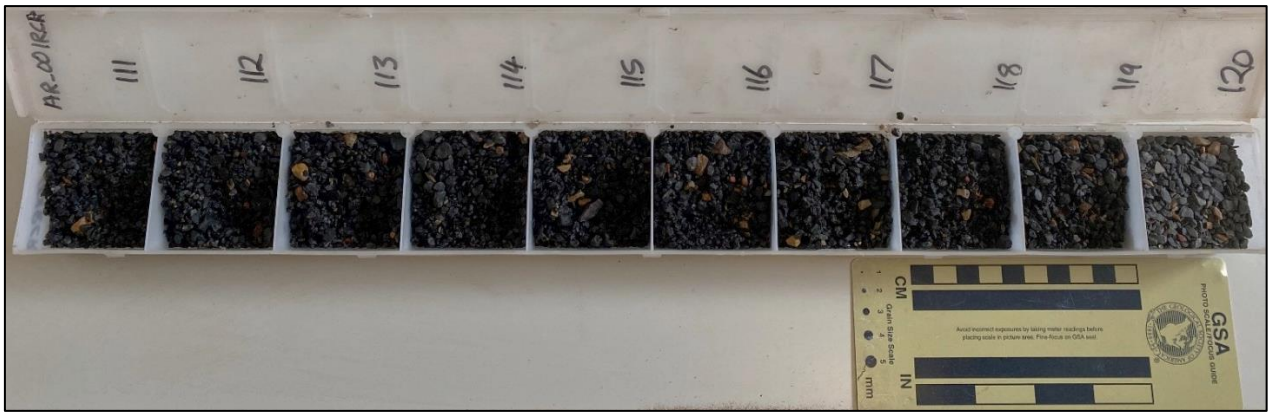
The “proof of concept” campaign, which eventually only comprised five initial RC drill-holes at four sites. Delays to the drilling were extensive and included:

- Wet weather and flooding.
- Daytime temperatures >43 degrees Celsius.
- Compressor overheating.
- Drill thread breaking.
- Large water flows in each hole drilled.
- Bushfires.
- Helicopter lifts of all gear required between sites and daily travel to/from site.
- Very hard quartzite wearing down hammer components.

The key focus was drill-testing the three targets identified by BHP in the mid-1990s including EG01, EG02 and EG10. Of these, EG01 had been interpreted to potentially be a massive sulphide bedrock conductor 130m thick, 1,500m long and 450m wide at a revised 100-200m depth.

Drilling to date has found no sign of massive copper sulphide mineralisation, but instead thick horizons (10-40m) of a dark grey to black carbonaceous siltstone to schist, exhibiting scattered base metal mineralisation and fine-grained graphite occurrences (Figure AC-3). The horizons are not magnetic, but portable XRF readings, supported by laboratory analyses have identified scattered anomalous chromium, zinc, cobalt, manganese, and rare earth element readings throughout the sequence (Figure AC-4). All 1m samples were collated to 4m composites, then analysed for a comprehensive suite of trace and rare earth elements, total carbon, and total graphitic carbon.

FIGURE AC-3: AR_001RCR CHIP TRAY 111-120m



Source: CCZ geology team

Post reconciling historic geochemical and geophysical data, the Board decided it was strategically more prudent to orchestrate a “proof of concept” reduced campaign comprising five RC drill-holes initially which included sites AR04, AR08, AR09, AR13 & AR21 (Table AC-1 and Figure AC-4). Vertical holes were planned however due to the drilling techniques and narrower diameter pipe employed, several completed drillholes exhibited significant downhole deviations to the south-east and south-west (Figure AC-5).

The exploration program objective was changed so that if the first-round observations and geological findings were encouraging, there is built-in flexibility to expand the campaign to fully drill-test the extent of any underlying system.

Drilling of AR_002RC progressed to a depth of 238m before the drill string disintegrated leaving most of the drill string stuck in the hole. The drillhole had deviated significantly, being almost horizontal at total depth. Drilling in AR_001RCR through to AR_004RC intersected, hard, dark, material identified as a carbonaceous schist (See Appendix D). The material contains no base metal mineralisation, but a low tenor of rare earth elements (to 400ppm TREO) and graphite (0.5 - 2%; refer to Table AC-2) that was confirmed by laboratory testing.

TABLE AC-1: DRILLHOLE LOCATION

Drillhole	Easting	Northing	AHD	Total Depth	Azimuth	Dip	Type	Comments
AR_001RC	351793	7865526	202.2	96	175	-85	RC	Quartzite to 42m, dark carbonaceous schist to 90m; Major fault @90m.
AR_001RCR	351825	7865551	203.4	142	172	-60	RC/PCD	Quartzite then dark carbonaceous siltstones and schists to TD
AR_002RC	352735	7865605	191.8	238	170	-17	RC	Quartzite then dark carbonaceous siltstones and schists to TD
AR_003RC	352971	7865433	192.5	143	203	-60	RC	Quartzite then dark carbonaceous siltstones and schists to TD
AR_004RC	353486	7865310	188	177	160	-67	RC	Quartzite then dark carbonaceous siltstones and schists to TD

Notes: Coordinate system is MGA94-Zone 54, collars are AHD.

TABLE AC-2: DRILLHOLE ASSAY RESULTS

HOLE ID	FROM	TO	SAMPLE ID	C-IR07_TC	C-IR18_Cg	Au-AA26_Au	ME-MS61_Ag	ME-MS61_As	ME-MS61_Ba	ME-MS61_Ca	ME-MS61_Ce	ME-MS61_Co	ME-MS61_Cu
AR001RC	0.00	4.00	CCZ02926 - CCZ02929		0.05	<0.01	0.3	41.3	530	0.29	132	9.2	46.3
AR001RC	4.00	8.00	CCZ02930 - CCZ02933		<0.02	0.01	0.34	99.6	380	0.09	119	45.2	89.7
AR001RC	8.00	12.00	CCZ02934 - CCZ02937		0.02	<0.01	0.48	75.9	430	0.61	121.5	35	88.4
AR001RC	12.00	16.00	CCZ02938 - CCZ02941		<0.02	<0.01	0.27	43.9	470	0.21	114	13.7	31.3
AR001RC	16.00	20.00	CCZ02942 - CCZ02945		<0.02	<0.01	0.11	51.3	460	0.13	115.5	5.1	17.7
AR001RC	20.00	24.00	CCZ02946 - CCZ02949		<0.02	<0.01	0.11	44.3	440	0.27	108.5	18	68.5
AR001RC	24.00	28.00	CCZ02950 - CCZ02953		<0.02	<0.01	0.2	46.8	420	0.67	91.3	14	17.8
AR001RC	28.00	32.00	CCZ02954 - CCZ02957		<0.02	<0.01	0.35	41.7	410	0.9	88.9	11.1	23.7
AR001RC	32.00	36.00	CCZ02958 - CCZ02961		0.02	<0.01	0.21	60	520	0.71	140	10.8	49.8
AR001RC	36.00	40.00	CCZ02962 - CCZ02965		0.02	<0.01	0.34	61.5	400	1.46	113	15.2	41.1
AR001RC	40.00	44.00	CCZ02966 - CCZ02969		<0.02	<0.01	0.62	64.9	230	5.7	66.3	22.8	30.6
AR001RC	44.00	48.00	CCZ02970 - CCZ02973		0.03	<0.01	0.44	56.3	270	2.78	91.1	19.1	20.1
AR001RC	48.00	52.00	CCZ02974 - CCZ02977		0.03	<0.01	0.21	27.8	320	1.51	87.6	10.5	12
AR001RC	52.00	56.00	CCZ02978 - CCZ02981		0.08	<0.01	0.14	26.8	350	0.56	85.4	9.7	10.7
AR001RC	56.00	60.00	CCZ02982 - CCZ02985		0.16	<0.01	0.49	77.2	290	2	86.3	15.1	28.2
AR001RC	60.00	64.00	CCZ02986 - CCZ02989		0.07	<0.01	0.88	92.2	210	4.1	84.4	24.6	47.8
AR001RC	64.00	68.00	CCZ02990 - CCZ02993		0.07	<0.01	0.33	44.5	300	1.73	71.5	20	36.8
AR001RC	68.00	72.00	CCZ02994 - CCZ02997		0.14	<0.01	0.26	38.9	270	1.03	107.5	16.6	12.4
AR001RC	72.00	76.00	CCZ02998 - CCZ03001		0.09	<0.01	0.63	95.5	240	2.83	75	37.5	22.7
AR001RC	76.00	80.00	CCZ03002 - CCZ03005		0.15	<0.01	0.17	37	280	0.85	82	15.7	15
AR001RC	80.00	84.00	CCZ03006 - CCZ03009		0.13	<0.01	0.19	38.1	330	1.38	99.9	13.2	15.1
AR001RC	84.00	88.00	CCZ03010 - CCZ03013		0.11	<0.01	0.31	49.1	300	1.82	85.9	16.9	16.7
AR001RC	88.00	92.00	CCZ03014 - CCZ03017		0.06	<0.01	0.39	51.3	270	1.61	88.3	20.4	30
AR001RC	92.00	96.00	CCZ03018 - CCZ03021		0.12	<0.01	0.37	50.3	280	1.62	104.5	17.5	28.8
AR001RCR	0.00	4.00	CCZ03022 - CCZ03025	0.36	0.02	0.01	0.22	60.6	540	0.59	96.8	10.6	72.5
AR001RCR	4.00	8.00	CCZ03026 - CCZ03029	0.08	0.02	0.01	0.29	72	620	0.32	109.5	13.9	68.3
AR001RCR	8.00	12.00	CCZ03030 - CCZ03033	0.1	<0.02	0.01	0.33	90.6	510	0.97	102	18.2	43.4
AR001RCR	12.00	16.00	CCZ03034 - CCZ03037	0.09	<0.02	0.01	0.28	66	510	0.33	106.5	9.4	43.3
AR001RCR	16.00	19.00	CCZ03038 - CCZ03040	0.06	<0.02	<0.01	0.27	65.9	510	0.29	99.6	10.3	40.7
AR001RCR	19.00	20.00	CCZ03041	0.11	0.02	0.01	0.3	77.4	470	0.51	114	11	43
AR001RCR	20.00	21.00	CCZ03042 - CCZ03045	0.37	0.02	<0.01	0.25	68.7	470	1.18	105.5	5.8	36.5
AR001RCR	21.00	22.00	CCZ03046 - CCZ03049	1.02	0.46	<0.01	0.22	65.6	470	1.26	103	6	29.3
AR001RCR	22.00	23.00	CCZ03050 - CCZ03053	1.07	0.19	<0.01	0.23	67.5	440	2.25	97.7	9.7	37.6
AR001RCR	23.00	24.00	CCZ03054 - CCZ03057	2.86	0.67	<0.01	0.29	69.9	370	3.99	91.1	7.5	46.3
AR001RCR	24.00	25.00	CCZ03058 - CCZ03060	3.1	0.95	<0.01	0.24	57.2	370	3.54	93.4	5.1	26.8
AR001RCR	39.00	40.00	CCZ03061			<0.01	0.5	77.9	310	6.59	114.5	5.1	37.1
AR001RCR	40.00	41.00	CCZ03062			<0.01	0.63	88.5	350	5.21	114	6.9	36.6
AR001RCR	41.00	44.00	CCZ03063 - CCZ03065	1.62	0.45	<0.01	0.37	47.9	440	2.19	107.5	7	26.7

AR001RCR	44.00	48.00	CCZ03066 - CCZ03069	1.32	0.43	0.01	0.16	64.1	440	1.81	105	15.1	33.6
AR001RCR	48.00	52.00	CCZ03070 - CCZ03073	1.4	0.18	<0.01	0.19	69.6	450	2.34	93.6	16.3	69
AR001RCR	52.00	56.00	CCZ03074 - CCZ03077	1.97	0.06	<0.01	0.28	82.6	410	3.72	82.9	19.9	80.7
AR001RCR	56.00	57.00	CCZ03078	0.95	0.03	0.01	0.39	111	450	2.25	89.1	25.7	104
AR001RCR	57.00	58.00	CCZ03079	2.23	0.06	<0.01	0.47	104.5	360	4.87	87.9	27.1	104.5
AR001RCR	59.00	60.00	CCZ03081	0.52	0.02	<0.01	0.31	111	490	1.16	92.1	22.6	100
AR001RCR	60.00	64.00	CCZ03082 - CCZ03085	0.61	0.03	<0.01	0.33	98.5	500	1.58	89.9	21.7	85.1
AR001RCR	64.00	68.00	CCZ03086 - CCZ03089	0.44	0.03	<0.01	0.3	96.7	500	1.04	80.9	20.1	82.6
AR001RCR	68.00	72.00	CCZ03090 - CCZ03093	0.97	0.09	<0.01	0.27	68.4	430	2.15	81.6	15.1	46.6
AR001RCR	72.00	76.00	CCZ03094 - CCZ03097	1.25	0.08	<0.01	0.35	70	360	3.23	82.6	14.6	38.5
AR001RCR	76.00	80.00	CCZ03098 - CCZ03101	1.68	0.08	<0.01	0.34	70.2	360	4.03	75.9	14.5	43.9
AR001RCR	80.00	84.00	CCZ03102 - CCZ03105	1.36	0.12	<0.01	0.26	58.1	390	2.82	82.9	13.3	41.3
AR001RCR	84.00	88.00	CCZ03106 - CCZ03109	1.18	0.12	<0.01	0.25	57.5	430	2.44	87.5	11.9	40.5
AR001RCR	88.00	92.00	CCZ03110 - CCZ03113	1.52	0.13	<0.01	0.26	50.7	380	3.29	90.4	14	27.5
AR001RCR	92.00	96.00	CCZ03114 - CCZ03117	1.26	0.09	<0.01	0.34	56.1	350	3.6	88.3	17.9	32.1
AR001RCR	96.00	100.00	CCZ03118 - CCZ03121	1.2	0.11	<0.01	0.27	51.3	350	3.18	87.4	16.1	27.5
AR001RCR	100.00	104.00	CCZ03122 - CCZ03125	1.22	0.1	<0.01	0.17	39.2	380	2.59	91.7	11.7	21.9
AR001RCR	104.00	108.00	CCZ03126 - CCZ03129	0.71	0.07	<0.01	0.09	43.2	410	1.16	98.6	12.5	24.7
AR001RCR	108.00	112.00	CCZ03130 - CCZ03133	0.59	0.11	<0.01	0.1	48.7	370	0.82	98.8	12.3	27.2
AR001RCR	112.00	116.00	CCZ03134 - CCZ03137	1.34	0.16	<0.01	0.3	65	310	3.25	100.5	16.4	31
AR001RCR	116.00	120.00	CCZ03138 - CCZ03141	1.02	0.21	<0.01	0.18	51.6	340	1.91	96.2	14.4	24
AR001RCR	120.00	124.00	CCZ03142 - CCZ03145	0.83	0.14	<0.01	0.17	47.7	390	1.39	104.5	14.5	34.2
AR001RCR	124.00	128.00	CCZ03146 - CCZ03149	0.96	0.07	<0.01	0.14	38.8	390	1.67	91.8	11.7	34.1
AR001RCR	128.00	132.00	CCZ03150 - CCZ03153	1.2	0.04	<0.01	0.15	37.6	320	2.66	84.2	11	24.8
AR001RCR	132.00	136.00	CCZ03154 - CCZ03157	0.89	0.04	<0.01	0.24	46.4	340	2.65	96.6	20.2	37.2
AR001RCR	136.00	140.00	CCZ03159 - CCZ03161	0.36	0.03	<0.01	0.23	80.4	490	0.79	85.9	23.4	74
AR002RC	0.00	4.00	CCZ03164 - CCZ03167	0.38	0.02	<0.01	0.08	24	550	0.02	98.4	10.3	42.5
AR002RC	4.00	8.00	CCZ03168 - CCZ03171	0.54	0.02	<0.01	0.18	33.3	580	0.01	81.8	13.7	40.5
AR002RC	8.00	12.00	CCZ03172 - CCZ03175	0.07	<0.02	<0.01	0.27	27.4	550	0.01	103	19.1	49.4
AR002RC	12.00	16.00	CCZ03176 - CCZ03179	0.04	<0.02	<0.01	0.19	23.8	570	0.01	102.5	19.6	41.6
AR002RC	16.00	19.00	CCZ03180 - CCZ03182	0.02	<0.02	<0.01	0.2	23.6	550	0.03	76.9	15	30.8
AR002RC	19.00	20.00	CCZ03183	0.03	<0.02	<0.01	0.13	27.3	550	0.01	75	12.1	26.9
AR002RC	20.00	24.00	CCZ03184 - CCZ03187	0.04	<0.02	<0.01	0.16	24.6	600	0.01	96.7	17.1	36.9
AR002RC	24.00	28.00	CCZ03188 - CCZ03191	0.06	0.02	<0.01	0.13	23.8	580	0.01	87.3	21.3	28
AR002RC	28.00	32.00	CCZ03192 - CCZ03195	0.89	0.61	0.01	0.2	34.3	600	0.03	105.5	7.8	33.4
AR002RC	32.00	36.00	CCZ03196 - CCZ03199	1.28	0.99	<0.01	0.17	25.9	610	0.04	106.5	8.5	29.5
AR002RC	36.00	39.00	CCZ03200 - CCZ03202	1.33	0.95	<0.01	0.19	30.1	610	0.13	107.5	13.2	29.3
AR002RC	39.00	40.00	CCZ03203	1.42	1.13	<0.01	0.16	20.4	590	0.19	83.9	12.5	26.8
AR002RC	40.00	44.00	CCZ03204 - CCZ03207	1.42	0.98	<0.01	0.2	27.5	610	0.2	101	13.5	25.5
AR002RC	44.00	48.00	CCZ03208 - CCZ03211	1.28	0.86	<0.01	0.21	28.4	630	0.22	99.8	15	30.4
AR002RC	48.00	52.00	CCZ03212 - CCZ03215	0.93	0.64	<0.01	0.22	33	640	0.24	93	19.9	35.2
AR002RC	52.00	56.00	CCZ03216 - CCZ03219	1.02	0.72	<0.01	0.19	23.5	640	0.26	92.3	12.7	22.5

AR002RC	56.00	59.00	CCZ03220 - CCZ03222	1	0.72	<0.01	0.17	17.5	680	0.29	97.6	12.9	27.6
AR002RC	59.00	60.00	CCZ03223	0.64	0.51	<0.01	0.11	19.7	640	0.26	75.4	14.1	32.9
AR002RC	60.00	64.00	CCZ03224 - CCZ03227	0.96	0.69	<0.01	0.13	18.6	640	0.33	95.7	12.3	24.7
AR002RC	64.00	68.00	CCZ03228 - CCZ03231	1.41	0.97	<0.01	0.16	33.3	720	0.34	97.9	14.3	20.1
AR002RC	68.00	72.00	CCZ03232 - CCZ03235	1.66	1.17	<0.01	0.15	29.3	780	0.4	101	13	22.7
AR002RC	72.00	76.00	CCZ03236 - CCZ03239	1.96	1.55	<0.01	0.16	29	850	0.35	96.7	11.3	21.9
AR002RC	76.00	80.00	CCZ03240 - CCZ03243	1.93	1.51	<0.01	0.2	38.9	910	0.28	100	11.9	26.6
AR002RC	80.00	84.00	CCZ03244 - CCZ03247	1.62	1.29	<0.01	0.19	43.7	920	0.07	101.5	12.5	23
AR002RC	84.00	88.00	CCZ03248 - CCZ03251	1.21	0.88	<0.01	0.14	36.7	830	0.25	100	12.4	25.1
AR002RC	88.00	92.00	CCZ03252 - CCZ03255	1.02	0.71	<0.01	0.14	38	860	0.25	102.5	14.5	40.2
AR002RC	92.00	93.00	CCZ03256	1.11	0.7	0.01	0.19	60.4	690	0.28	105	17.9	44
AR002RC	95.00	96.00	CCZ03259	1	0.65	<0.01	0.16	50.2	670	0.33	94.9	15.8	37.8
AR002RC	96.00	100.00	CCZ03260 - CCZ03263	0.7	0.54	<0.01	0.11	35.1	610	0.35	104	12.4	30.7
AR002RC	100.00	104.00	CCZ03264 - CCZ03267	1.56	0.33	<0.01	0.1	35.7	460	2.23	88.6	11.6	25.3
AR002RC	104.00	108.00	CCZ03268 - CCZ03271	1.89	0.2	0.01	0.1	35.6	410	2.98	82.2	11.2	17.9
AR002RC	108.00	112.00	CCZ03272 - CCZ03275	1.56	0.13	0.01	0.18	37.1	330	3.77	73.5	14.6	19.8
AR002RC	112.00	116.00	CCZ03276 - CCZ03279	1	0.12	<0.01	0.19	34.7	310	3.04	80.2	13.5	14.7
AR002RC	116.00	120.00	CCZ03280 - CCZ03283	1.07	0.19	<0.01	0.11	29.2	380	2.07	80.5	10.2	14.3
AR002RC	120.00	124.00	CCZ03284 - CCZ03287	1.15	0.19	<0.01	0.12	33.5	360	2.19	80	9.5	11.9
AR002RC	124.00	128.00	CCZ03288 - CCZ03291	0.94	0.18	<0.01	0.17	44.9	320	2.83	84.1	9.9	14.4
AR002RC	128.00	132.00	CCZ03292 - CCZ03295	0.86	0.16	<0.01	0.09	30.7	360	1.62	85	9	12.3
AR002RC	132.00	136.00	CCZ03296 - CCZ03299	0.84	0.23	<0.01	0.07	35.6	370	0.99	97.7	10.8	12.7
AR002RC	136.00	140.00	CCZ03300 - CCZ03303	0.67	0.18	<0.01	0.19	55	330	2	97.5	17.4	19.7
AR002RC	140.00	144.00	CCZ03304 - CCZ03307	0.26	0.12	<0.01	0.4	71.3	230	3.98	93.4	22.4	27.5
AR002RC	144.00	148.00	CCZ03308 - CCZ03311	0.3	0.16	<0.01	0.24	51.3	280	2.42	88.5	16.4	18.1
AR002RC	148.00	152.00	CCZ03312 - CCZ03315	0.29	0.12	<0.01	0.26	60.9	260	2.78	79.3	20.8	19.2
AR002RC	152.00	156.00	CCZ03316 - CCZ03319	0.46	0.16	0.01	0.22	52.3	270	2.51	87.6	17	18.1
AR002RC	156.00	160.00	CCZ03320 - CCZ03323	0.53	0.2	<0.01	0.16	52	330	1.85	101.5	16.3	19
AR002RC	160.00	164.00	CCZ03324 - CCZ03327	0.44	0.22	<0.01	0.15	51.8	340	1.01	90.1	14.5	31.5
AR002RC	164.00	168.00	CCZ03328 - CCZ03331	0.59	0.27	<0.01	0.13	36.2	460	0.68	95.8	11.5	19.9
AR002RC	168.00	172.00	CCZ03332 - CCZ03335	0.71	0.19	<0.01	0.08	27.2	430	0.44	91.2	10.1	15.3
AR002RC	172.00	176.00	CCZ03336 - CCZ03339	0.71	0.2	<0.01	0.08	32.4	430	0.46	96.7	12	22.4
AR002RC	176.00	180.00	CCZ03340 - CCZ03343	0.42	0.14	<0.01	0.04	23.9	420	0.38	97.6	9.5	18.2
AR002RC	180.00	184.00	CCZ03344 - CCZ03347	0.35	0.15	<0.01	0.09	25.7	410	0.61	98.6	10.5	16.5
AR002RC	184.00	188.00	CCZ03348 - CCZ03351	0.4	0.2	<0.01	0.26	47.8	370	1.2	99.5	17.5	23.7
AR002RC	188.00	192.00	CCZ03352 - CCZ03355	0.37	0.2	<0.01	0.18	39.8	360	0.74	94.2	14.3	17
AR002RC	192.00	196.00	CCZ03356 - CCZ03359	0.36	0.2	<0.01	0.13	34.4	380	0.48	92.4	12.3	18.4
AR002RC	196.00	200.00	CCZ03360 - CCZ03363	0.41	0.17	<0.01	0.14	37.2	400	0.49	95.2	15	19.1
AR002RC	200.00	204.00	CCZ03364 - CCZ03367	0.43	0.11	<0.01	0.13	30.8	400	0.48	94.7	13.9	15.8
AR002RC	204.00	208.00	CCZ03368 - CCZ03371	0.5	0.09	<0.01	0.22	41.4	350	0.97	90.1	16.2	27.7
AR002RC	208.00	212.00	CCZ03372 - CCZ03375	0.3	0.06	<0.01	0.31	45.6	310	1.44	83.7	16.5	31.7

AR002RC	212.00	216.00	CCZ03376 - CCZ03379	0.31	0.06	<0.01	0.35	55.8	280	1.82	82.3	16.5	30.5
AR002RC	216.00	219.00	CCZ03380 - CCZ03382	0.36	0.12	0.01	0.23	62.1	330	1.24	87.3	15.2	24.7
AR002RC	219.00	220.00	CCZ03383	0.34	0.2	<0.01	0.17	58.8	360	0.85	98.4	16.8	24
AR002RC	220.00	224.00	CCZ03384 - CCZ03387	0.46	0.22	<0.01	0.12	35.4	390	0.58	92.7	11.9	15.8
AR002RC	224.00	228.00	CCZ03388 - CCZ03391	0.69	0.28	0.01	0.12	32.8	400	0.41	101	12.7	19.1
AR002RC	228.00	232.00	CCZ03392 - CCZ03395	0.8	0.3	0.01	0.12	30.1	380	0.53	98.7	12.9	18.9
AR002RC	232.00	236.00	CCZ03396 - CCZ03399	0.69	0.19	0.01	0.09	24.7	370	0.63	102.5	11.1	18.6
AR002RC	236.00	238.00	CCZ03400 - CCZ03401	1.11	0.21	0.01	0.15	30.6	340	1.39	99.5	14.4	18.2
AR003RC	0.00	4.00	CCZ03407 - CCZ03410	0.24	0.02	<0.01	0.07	26.6	620	0.07	115	5.2	17.8
AR003RC	4.00	8.00	CCZ03411 - CCZ03414	0.12	<0.02	<0.01	0.04	15.6	720	0.1	113	7.7	9.5
AR003RC	8.00	12.00	CCZ03415 - CCZ03418	0.04	<0.02	<0.01	0.01	20.5	770	0.31	99	17.1	3.8
AR003RC	12.00	16.00	CCZ03419 - CCZ03422	0.07	<0.02	<0.01	0.01	30.8	760	0.38	91.3	21	5.9
AR003RC	16.00	19.00	CCZ03423 - CCZ03425	0.06	<0.02	<0.01	<0.01	11	710	0.39	99.1	10.4	4.8
AR003RC	19.00	20.00	CCZ03426	0.09	<0.02	<0.01	0.01	11.2	780	0.32	112.5	9.7	6.5
AR003RC	20.00	24.00	CCZ03427 - CCZ03430	0.03	<0.02	<0.01	0.01	5.9	810	0.36	129.5	6.6	4.5
AR003RC	24.00	28.00	CCZ03431 - CCZ03434	0.04	<0.02	<0.01	0.01	7.4	790	0.48	106.5	5.5	3.3
AR003RC	28.00	32.00	CCZ03435 - CCZ03438	0.07	<0.02	<0.01	0.09	89.5	590	0.93	95.1	7.1	5.4
AR003RC	32.00	36.00	CCZ03439 - CCZ03442	0.08	<0.02	<0.01	0.2	179.5	450	0.97	80.7	18	11.2
AR003RC	36.00	39.00	CCZ03443 - CCZ03445	0.06	<0.02	<0.01	0.17	155	490	0.36	92.8	19.2	33.3
AR003RC	39.00	40.00	CCZ03446	0.06	<0.02	<0.01	0.18	88.3	540	0.11	104.5	12.6	39.7
AR003RC	40.00	44.00	CCZ03447 - CCZ03450	0.25	0.13	<0.01	0.14	54.8	500	0.53	112.5	7	69.8
AR003RC	44.00	48.00	CCZ03451 - CCZ03454	0.36	0.25	<0.01	0.15	44.7	470	0.83	98.9	7.4	42.4
AR003RC	48.00	52.00	CCZ03455 - CCZ03458	0.31	0.21	<0.01	0.17	44.2	430	0.44	87.8	8.9	40.4
AR003RC	52.00	56.00	CCZ03459 - CCZ03462	0.66	0.11	<0.01	0.11	42.6	400	0.49	85.3	12	20.9
AR003RC	56.00	59.00	CCZ03463 - CCZ03465	0.46	0.12	<0.01	0.18	50.8	350	1.44	84.8	13.1	27.5
AR003RC	59.00	60.00	CCZ03466	1.33	0.04	<0.01	0.4	79.5	110	3.55	75.8	25.4	50.8
AR003RC	60.00	64.00	CCZ03467 - CCZ03470	0.8	0.05	<0.01	0.39	52.4	140	3.19	83.3	31.7	35.1
AR003RC	64.00	68.00	CCZ03471 - CCZ03474	0.44	0.06	<0.01	0.27	44.1	240	1.84	70.1	29.7	36.5
AR003RC	68.00	72.00	CCZ03475 - CCZ03478	0.23	0.08	<0.01	0.19	55.4	250	1.08	122.5	17.8	72
AR003RC	72.00	76.00	CCZ03479 - CCZ03482	0.27	0.13	<0.01	0.11	29.3	350	0.5	76.1	10.8	62.5
AR003RC	76.00	79.00	CCZ03483 - CCZ03485	0.38	0.18	<0.01	0.1	36	400	0.73	83.4	11.6	21.3
AR003RC	79.00	80.00	CCZ03486	0.69	0.17	<0.01	0.07	33.5	390	0.43	83.8	16.6	18.5
AR003RC	80.00	84.00	CCZ03487 - CCZ03490	0.61	0.18	<0.01	0.08	33.3	360	1.24	84	12.2	16.2
AR003RC	84.00	88.00	CCZ03491 - CCZ03494	0.56	0.11	<0.01	0.11	38.9	360	1.6	90.5	14	14.6
AR003RC	88.00	92.00	CCZ03495 - CCZ03498	0.84	0.15	<0.01	0.05	27.5	390	0.4	87.5	17.7	14.2
AR003RC	92.00	96.00	CCZ03499 - CCZ03502	0.72	0.14	<0.01	0.08	55.1	380	0.85	91.6	14.2	16
AR003RC	96.00	99.00	CCZ03503 - CCZ03505	1	0.17	<0.01	0.25	64.5	310	2.82	92	18.4	19.1
AR003RC	99.00	100.00	CCZ03506	0.53	0.04	<0.01	0.27	65.5	190	4.89	105	24.2	18.1
AR003RC	100.00	104.00	CCZ03507 - CCZ03510	0.38	0.18	<0.01	0.19	51.3	250	3.12	91.6	19.5	17.1
AR003RC	104.00	108.00	CCZ03511 - CCZ03514	0.57	0.11	<0.01	0.14	40.7	310	1.97	94.6	15.4	15
AR003RC	108.00	112.00	CCZ03515 - CCZ03518	0.6	0.11	<0.01	0.1	41.8	330	0.99	82.4	12.7	30.1
AR003RC	112.00	116.00	CCZ03519 - CCZ03522	0.84	0.09	<0.01	0.05	40.6	380	0.52	89.3	11.8	23.1

AR003RC	116.00	119.00	CCZ03523 - CCZ03525	0.73	0.08	<0.01	0.03	24.3	430	0.29	93.1	12.1	18.4
AR003RC	119.00	120.00	CCZ03526	0.44	0.07	<0.01	0.02	13.7	430	0.28	94.4	7.8	12.9
AR003RC	120.00	124.00	CCZ03527 - CCZ03530	0.72	0.2	<0.01	0.09	37.9	420	0.51	98.3	13.8	27.4
AR003RC	124.00	128.00	CCZ03531 - CCZ03534	0.97	0.2	<0.01	0.09	37.2	390	0.78	92.3	13.5	20.6
AR003RC	128.00	132.00	CCZ03535 - CCZ03538	0.96	0.16	<0.01	0.06	26.8	410	0.27	91.7	10.5	17.6
AR003RC	132.00	136.00	CCZ03539 - CCZ03542	0.91	0.17	<0.01	0.1	40.9	350	1.14	84.5	12.6	16.6
AR003RC	136.00	139.00	CCZ03543 - CCZ03545	0.55	0.15	<0.01	0.13	42.7	360	1.1	79.8	13.3	20.7
AR003RC	139.00	140.00	CCZ03546	0.45	0.15	<0.01	0.16	45.9	300	2.42	76.2	13.4	13.6
AR003RC	140.00	143.00	CCZ03547 - CCZ03549	0.54	0.13	<0.01	0.11	40.3	360	1.22	84.6	14	21.2
AR004RC	0.00	4.00	CCZ03557 - CCZ03560	0.21	<0.02	<0.01	0.11	51.9	440	0.01	96.1	13	34.6
AR004RC	4.00	8.00	CCZ03561 - CCZ03564	0.11	<0.02	0.01	0.12	30.7	470	0.01	105.5	11.7	33.3
AR004RC	8.00	12.00	CCZ03565 - CCZ03568	0.04	<0.02	<0.01	0.07	17.1	460	0.06	80.8	15.7	27.5
AR004RC	12.00	16.00	CCZ03569 - CCZ03572	0.05	<0.02	<0.01	0.08	18.5	460	0.13	103.5	15.1	23.3
AR004RC	16.00	19.00	CCZ03573 - CCZ03575	0.05	<0.02	0.01	0.08	13.8	460	0.09	88.7	14.1	32.8
AR004RC	19.00	20.00	CCZ03576	0.03	<0.02	<0.01	0.07	19.7	520	0.1	96.7	18.7	27.2
AR004RC	20.00	24.00	CCZ03577 - CCZ03580	0.06	<0.02	0.01	0.1	9.3	480	0.12	100.5	11	23.7
AR004RC	24.00	28.00	CCZ03581 - CCZ03584	0.1	0.04	<0.01	0.11	13.3	440	0.15	91	13.3	45
AR004RC	28.00	32.00	CCZ03585 - CCZ03588	0.16	0.08	<0.01	0.07	15.3	410	0.19	83.4	16.9	18.7
AR004RC	32.00	36.00	CCZ03589 - CCZ03592	0.14	0.06	<0.01	0.07	14.6	430	0.17	85.8	16.7	21
AR004RC	36.00	39.00	CCZ03593 - CCZ03595	0.13	0.05	<0.01	0.07	11.6	430	0.2	94	17.5	17.6
AR004RC	39.00	40.00	CCZ03596	0.12	0.06	<0.01	0.04	9.9	460	0.21	86.1	12.8	6.9
AR004RC	40.00	44.00	CCZ03597 - CCZ03600	0.14	0.05	<0.01	0.08	12	460	0.23	84.9	13.9	24.5
AR004RC	44.00	48.00	CCZ03601 - CCZ03604	0.11	0.04	<0.01	0.09	10.6	440	0.28	85.1	13.3	22.1
AR004RC	48.00	52.00	CCZ03605 - CCZ03608	0.14	0.04	0.01	0.12	13	450	0.25	101	13.3	24.7
AR004RC	52.00	56.00	CCZ03609 - CCZ03612	0.25	0.08	<0.01	0.1	16.5	450	0.23	96.3	14.8	29.6
AR004RC	56.00	59.00	CCZ03613 - CCZ03615	0.3	0.07	<0.01	0.08	16.7	450	0.22	95.1	15.4	21.9
AR004RC	59.00	60.00	CCZ03616	0.21	0.07	<0.01	0.08	14.1	480	0.25	92.5	12	15.8
AR004RC	60.00	64.00	CCZ03617 - CCZ03620	0.38	0.06	<0.01	0.07	19.2	410	0.4	92	15.2	24.5
AR004RC	64.00	68.00	CCZ03621 - CCZ03624	0.17	0.06	<0.01	0.07	13.4	470	0.23	78.3	10.8	15.8
AR004RC	68.00	72.00	CCZ03625 - CCZ03628	0.19	0.05	0.01	0.09	16.6	470	0.24	93.5	12.9	17.5
AR004RC	72.00	76.00	CCZ03629 - CCZ03632	0.17	0.05	<0.01	0.11	16	470	0.22	90.4	12.5	19
AR004RC	76.00	79.00	CCZ03633 - CCZ03635	0.13	0.06	<0.01	0.09	14.2	540	0.19	111.5	9.9	12
AR004RC	79.00	80.00	CCZ03636	0.13	0.05	<0.01	0.1	11.3	620	0.17	106.5	9	7.8
AR004RC	80.00	84.00	CCZ03637 - CCZ03640	0.16	0.08	<0.01	0.09	17.8	480	0.21	93.6	12.4	25
AR004RC	84.00	88.00	CCZ03641 - CCZ03644	0.19	0.08	<0.01	0.07	21.1	500	0.22	98.1	13.9	20.6
AR004RC	88.00	92.00	CCZ03645 - CCZ03648	0.16	0.06	<0.01	0.08	21.5	500	0.24	97.8	12.8	22
AR004RC	92.00	96.00	CCZ03649 - CCZ03652	0.29	0.15	<0.01	0.1	21.7	500	0.26	88	12.4	19.5
AR004RC	96.00	99.00	CCZ03653 - CCZ03655	1.09	0.73	<0.01	0.13	28.5	480	0.41	91.8	14	16.8
AR004RC	99.00	100.00	CCZ03656	1.57	1	<0.01	0.15	38.3	470	0.66	87.3	15.2	30.8
AR004RC	100.00	104.00	CCZ03657 - CCZ03660	1.61	0.98	0.01	0.14	31.1	480	0.77	100	11.4	26.3
AR004RC	104.00	108.00	CCZ03661 - CCZ03664	1.71	1.21	<0.01	0.14	31.6	500	0.43	102	10.2	18.1
AR004RC	108.00	112.00	CCZ03665 - CCZ03668	1.45	0.97	0.01	0.15	61.6	480	0.44	82.2	11.9	19.7

AR004RC	112.00	116.00	CCZ03669 - CCZ03672	1.45	0.96	<0.01	0.11	26.3	520	0.42	102	9.7	13.7
AR004RC	116.00	119.00	CCZ03673 - CCZ03675	1.49	0.99	<0.01	0.11	30.6	510	0.57	98.1	11.1	20.1
AR004RC	119.00	120.00	CCZ03676	1.72	1.06	<0.01	0.15	67.6	510	1.36	99.7	13.4	29.5
AR004RC	120.00	124.00	CCZ03677 - CCZ03680	1.49	0.98	<0.01	0.15	39.6	540	0.82	102.5	12.8	31.7
AR004RC	124.00	128.00	CCZ03681 - CCZ03684	1.47	0.91	<0.01	0.1	30.4	550	0.85	95.9	9.7	19.2
AR004RC	128.00	132.00	CCZ03685 - CCZ03688	1.59	0.89	<0.01	0.1	31	530	1.07	94.7	10	16
AR004RC	132.00	136.00	CCZ03689 - CCZ03692	1.18	0.79	0.01	0.09	27.3	570	0.41	94	9.9	13.4
AR004RC	136.00	139.00	CCZ03693 - CCZ03695	0.97	0.71	0.01	0.07	22.7	640	0.28	93.9	8.8	10.2
AR004RC	139.00	140.00	CCZ03696	0.97	0.73	<0.01	0.1	28	600	0.35	101	11	24.2
AR004RC	140.00	144.00	CCZ03697 - CCZ03700	0.97	0.66	0.01	0.1	26.7	600	0.38	92.2	11	21.5
AR004RC	144.00	148.00	CCZ03701 - CCZ03704	0.9	0.59	0.01	0.11	23.4	630	0.37	93.8	9.2	19.9
AR004RC	148.00	152.00	CCZ03705 - CCZ03708	0.9	0.63	0.01	0.09	22.3	630	0.34	91.9	8.6	12.7
AR004RC	152.00	156.00	CCZ03709 - CCZ03712	0.91	0.67	<0.01	0.07	19.6	620	0.41	94.6	6.9	9.1
AR004RC	156.00	159.00	CCZ03713 - CCZ03715	0.93	0.69	<0.01	0.09	31.5	650	0.34	97.6	10.3	9.4
AR004RC	159.00	160.00	CCZ03716	0.81	0.62	<0.01	0.07	27.6	590	0.37	98.4	10.5	10.2
AR004RC	160.00	164.00	CCZ03717 - CCZ03720	0.61	0.45	0.01	0.07	23.6	730	0.3	101.5	11.2	16.2
AR004RC	164.00	168.00	CCZ03721 - CCZ03724	0.64	0.44	<0.01	0.06	18.4	690	0.35	84.6	8.6	14.9
AR004RC	168.00	172.00	CCZ03725 - CCZ03728	0.8	0.58	0.01	0.06	24.9	730	0.35	101.5	9.3	8.8
AR004RC	172.00	176.00	CCZ03729 - CCZ03732	1.02	0.73	<0.01	0.08	25.4	760	0.38	101.5	7.7	9.3

HOLE ID	FROM	TO	SAMPLE ID	ME-MS61_Fe	ME-MS61_La	ME-MS61_P	ME-MS61_Pb	ME-MS61_S	ME-MS61_Th	ME-MS61_U	ME-MS61_V	ME-MS61_Y	ME-MS61_Zn	ME-MS61_Zr	ME-MS61r_Dy	ME-MS61r_Er	ME-MS61r_Eu	ME-MS61r_Gd	ME-MS61r_Ho	ME-MS61r_Lu	ME-MS61r_Nd	ME-MS61r_Pr	ME-MS61r_Sm
AR001RC	0.00	4.00	CCZ02926 - CCZ02929	2.51	59.8	1730	15	0.03	24.9	11.9	91	44.6	45	241									
AR001RC	4.00	8.00	CCZ02930 - CCZ02933	8.63	53.9	1560	20.7	0.02	21.7	14.1	73	40.9	118	183									
AR001RC	8.00	12.00	CCZ02934 - CCZ02937	4.01	53.2	3250	24.6	0.02	25.2	14.5	67	44	45	254									
AR001RC	12.00	16.00	CCZ02938 - CCZ02941	2.63	55.3	1340	16.6	0.03	25.8	8.8	54	34.9	22	279									
AR001RC	16.00	20.00	CCZ02942 - CCZ02945	3.19	57	1050	10.5	0.01	25.5	14.2	62	34.3	32	219									
AR001RC	20.00	24.00	CCZ02946 - CCZ02949	2.07	50.4	1350	12.3	0.01	23.3	19.9	45	31.7	21	227									
AR001RC	24.00	28.00	CCZ02950 - CCZ02953	3.48	43.9	2370	11.9	0.01	18	10.3	55	31.6	22	227									
AR001RC	28.00	32.00	CCZ02954 - CCZ02957	2.9	43.4	1540	12.9	0.01	19.85	6.2	46	27.8	25	226									
AR001RC	32.00	36.00	CCZ02958 - CCZ02961	3.83	65.1	1520	14.5	0.03	26.2	11.2	87	38.3	46	235									
AR001RC	36.00	40.00	CCZ02962 - CCZ02965	3.99	46.3	5060	17.3	0.04	19.4	16	58	34.8	43	206									
AR001RC	40.00	44.00	CCZ02966 - CCZ02969	4.18	23.7	8960	18.8	0.13	8.78	9.8	22	27.3	18	122									
AR001RC	44.00	48.00	CCZ02970 - CCZ02973	3.56	31.3	9670	18.2	0.27	11.55	19	23	29.7	17	150.5									
AR001RC	48.00	52.00	CCZ02974 - CCZ02977	2.36	39.7	2950	12.1	0.08	16.75	13.4	36	24.3	14	225									
AR001RC	52.00	56.00	CCZ02978 - CCZ02981	2.46	40.1	1420	10.9	0.12	16.8	8.9	33	24.9	16	236									
AR001RC	56.00	60.00	CCZ02982 - CCZ02985	3.72	33.3	9880	21.5	0.57	14.45	26.2	39	34.9	14	185.5									
AR001RC	60.00	64.00	CCZ02986 - CCZ02989	3.15	27.7	>10000	32.1	1.34	9.53	24.5	20	35.2	15	75.2									
AR001RC	64.00	68.00	CCZ02990 - CCZ02993	3.12	30.2	4760	16	0.47	14.4	23.4	26	23.9	29	188.5									
AR001RC	68.00	72.00	CCZ02994 - CCZ02997	2.46	49.5	4450	12.9	0.37	16.1	11.3	36	26.3	35	201									
AR001RC	72.00	76.00	CCZ02998 - CCZ03001	5.69	26.6	>10000	23.6	1.11	12.55	15.5	23	36.9	28	127.5									
AR001RC	76.00	80.00	CCZ03002 - CCZ03005	4.38	36.4	2710	10	0.4	16.85	13	31	27.1	31	186.5									
AR001RC	80.00	84.00	CCZ03006 - CCZ03009	4.03	44.5	2980	11.6	0.44	19.65	11.1	33	31	12	203									
AR001RC	84.00	88.00	CCZ03010 - CCZ03013	2.31	35.2	5480	15.3	0.53	16.95	11.9	33	31	13	187.5									
AR001RC	88.00	92.00	CCZ03014 - CCZ03017	2.82	36.2	6590	15.5	0.58	15.55	19	33	30.1	19	176.5									

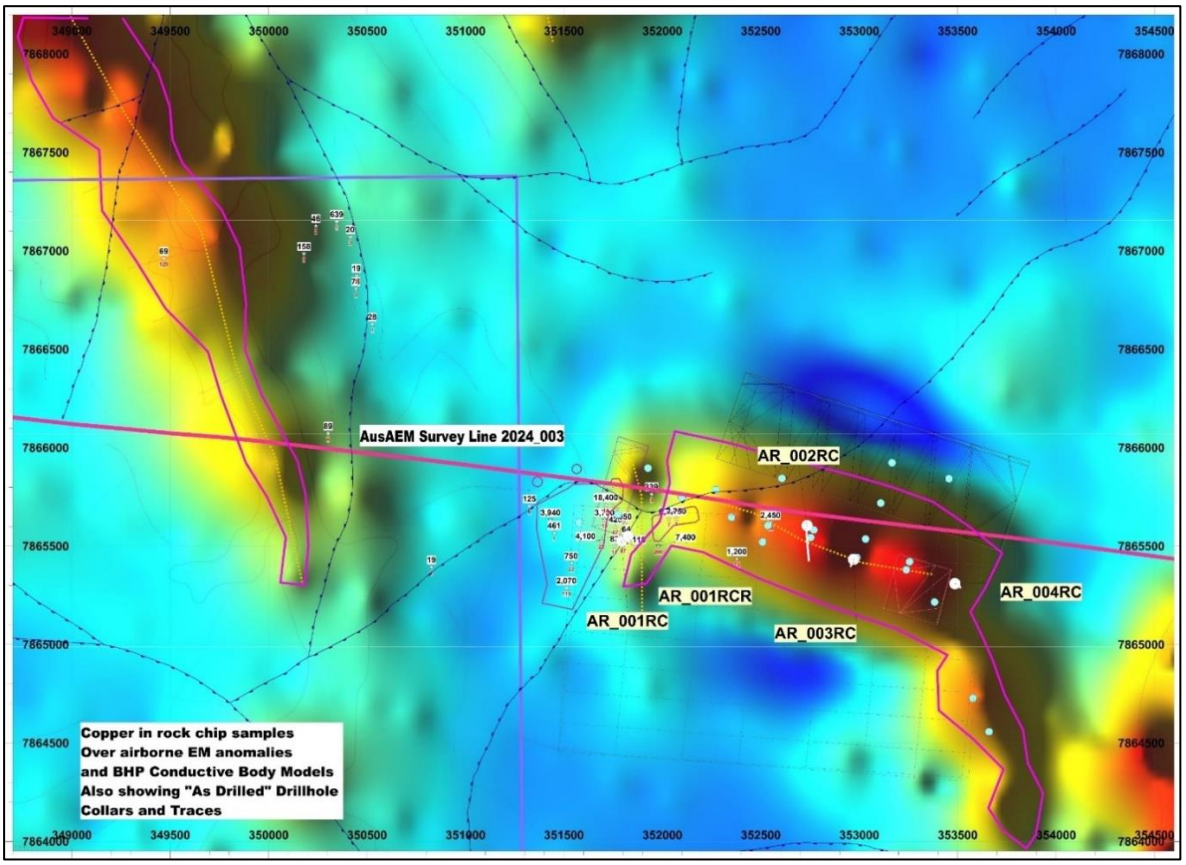
AR001RC	92.00	96.00	CCZ03018 - CCZ03021	2.46	45.2	5750	15.1	0.54	18.6	15	38	32.1	21	198								
AR001RCR	0.00	4.00	CCZ03022 - CCZ03025	8.53	46.9	1530	18.4	0.56	18.85	8.1	97	29.3	86	161	5.2	2.89	1.12	5.54	1	0.42	37.7	10.75	6.79
AR001RCR	4.00	8.00	CCZ03026 - CCZ03029	4.14	52.7	2120	14.1	0.05	24.3	12.1	84	35.7	39	174.5	6.05	3.46	1.1	6.25	1.2	0.5	44.3	12.15	7.59
AR001RCR	8.00	12.00	CCZ03030 - CCZ03033	7.44	51.1	4420	15.3	0.21	21.6	10.4	115	33	48	185.5	5.55	3.24	1.12	5.7	1.08	0.47	40.4	11.5	6.91
AR001RCR	12.00	16.00	CCZ03034 - CCZ03037	5.6	52	1560	14.6	0.09	21.8	9.2	109	33.4	30	205	5.39	3.06	1.09	5.66	1.05	0.45	41.1	11.6	6.91
AR001RCR	16.00	19.00	CCZ03038 - CCZ03040	3.96	48.3	1330	14.2	0.06	22.1	8.3	103	34	26	192.5	5.58	3.15	1.08	5.8	1.08	0.46	39.1	11.05	7.03
AR001RCR	19.00	20.00	CCZ03041	4.57	56.7	2290	15.9	0.03	23	10.8	122	33	33	187.5	6.14	3.28	1.34	6.47	1.16	0.47	43.8	12.95	7.99
AR001RCR	20.00	21.00	CCZ03042 - CCZ03045	4.4	53.2	1340	13.7	0.06	22.1	8.7	113	33.1	26	213	5.58	3.17	1.19	5.86	1.07	0.46	42.4	12	6.95
AR001RCR	21.00	22.00	CCZ03046 - CCZ03049	4.35	52.9	930	12.9	0.06	22.2	7.9	107	31.5	25	195	5.53	3.08	1.1	5.77	1.06	0.46	40.6	11.7	6.68
AR001RCR	22.00	23.00	CCZ03050 - CCZ03053	3.49	48.1	1190	11.5	0.03	20.8	7.3	98	31.9	30	186	5.31	3.06	1.05	5.52	1.04	0.46	37.4	10.9	6.59
AR001RCR	23.00	24.00	CCZ03054 - CCZ03057	3.79	44	2220	12.7	0.17	19.9	11.5	87	30.5	33	196	5.04	2.87	1.1	5.27	0.98	0.42	34.8	10.05	5.97
AR001RCR	24.00	25.00	CCZ03058 - CCZ03060	3.63	45.2	1920	12.5	0.42	18.8	10.1	78	30.2	31	202	5.05	2.86	1.03	5.27	0.97	0.41	34.3	10.3	6.18
AR001RCR	39.00	40.00	CCZ03061	4.98	47.4	5800	30.7	0.75	19.3	21.2	57	37.4	42	166	6.12	3.47	1.39	6.09	1.2	0.48	39	11.3	6.89
AR001RCR	40.00	41.00	CCZ03062	4.34	46.6	6670	28.2	0.89	20.7	21.4	64	40.5	52	188	6.58	3.76	1.48	6.74	1.28	0.51	40.5	11.3	7.34
AR001RCR	41.00	44.00	CCZ03063 - CCZ03065	3.07	51.2	1910	16.9	0.53	23.7	9	54	34.4	31	255	5.9	3.4	1.07	6	1.14	0.51	39.6	11.45	6.86
AR001RCR	44.00	48.00	CCZ03066 - CCZ03069	2.95	49.5	1940	12.1	0.49	21.5	13.8	57	35.2	25	210	5.86	3.24	1.2	6.15	1.12	0.48	41.2	11.45	7.29
AR001RCR	48.00	52.00	CCZ03070 - CCZ03073	5.2	43.2	1450	12.9	0.19	18.8	13.9	65	30.6	35	198.5	5.08	2.89	1.13	5.46	0.99	0.43	37.4	10.55	6.63
AR001RCR	52.00	56.00	CCZ03074 - CCZ03077	6.19	37.7	2290	15.3	0.24	18.35	18.3	61	30.5	38	197	4.99	2.94	1.06	5.27	0.96	0.44	34.9	9.56	6.13
AR001RCR	56.00	57.00	CCZ03078	8.29	37.6	3790	19.7	0.22	19.65	15.1	78	31.9	54	154.5	5.37	3.21	1.15	5.48	1.07	0.49	37.4	10.3	6.87
AR001RCR	57.00	58.00	CCZ03079	7.4	36.2	5730	20.6	0.34	15.35	12.8	58	30.3	42	133	5.1	2.86	1.16	5.34	0.98	0.42	36.3	9.76	6.56
AR001RCR	59.00	60.00	CCZ03081	10.15	40.6	2510	16.2	0.12	20.4	13.7	81	35.2	62	158.5	5.65	3.45	1.08	5.33	1.14	0.54	35.8	10.3	6.93
AR001RCR	60.00	64.00	CCZ03082 - CCZ03085	7.96	38.8	3450	17.4	0.16	19.45	14.7	72	32.9	51	162	5.66	3.37	1.11	5.5	1.1	0.5	35.1	9.78	6.38
AR001RCR	64.00	68.00	CCZ03086 - CCZ03089	7.41	37.9	2470	16	0.13	19.65	13.3	69	33.4	60	169	5.28	3.25	0.98	4.94	1.05	0.5	30.9	9.08	5.76
AR001RCR	68.00	72.00	CCZ03090 - CCZ03093	4.78	36	3420	14.5	0.31	16.95	9.6	52	30.1	29	187.5	4.72	2.86	0.9	4.62	0.94	0.44	28.2	8.36	5.16
AR001RCR	72.00	76.00	CCZ03094 - CCZ03097	4.27	33.8	6350	18.6	0.57	15.15	10.9	41	29.7	27	181.5	4.74	2.89	0.91	4.67	0.94	0.44	26.7	7.78	5.07
AR001RCR	76.00	80.00	CCZ03098 - CCZ03101	4.32	32	6540	19.7	0.62	15.45	10.6	41	29.2	22	159.5	4.8	2.85	0.92	4.69	0.95	0.43	25.8	7.46	4.95
AR001RCR	80.00	84.00	CCZ03102 - CCZ03105	3.61	35.6	3930	15.3	0.41	16.85	8.3	44	29.9	23	181.5	4.8	2.87	0.84	4.58	0.95	0.45	28.5	8.31	5.24
AR001RCR	84.00	88.00	CCZ03106 - CCZ03109	3.22	38.9	3480	15.2	0.37	18.15	8.6	47	29.4	17	203	4.78	2.91	0.89	4.79	0.95	0.45	29.3	8.55	5.35
AR001RCR	88.00	92.00	CCZ03110 - CCZ03113	2.84	39.8	4610	15.1	0.45	16.2	8.7	42	28.8	14	194.5	4.55	2.74	0.9	4.62	0.91	0.42	28.8	8.57	5.29
AR001RCR	92.00	96.00	CCZ03114 - CCZ03117	2.79	35.4	7820	17.2	0.56	14	14.3	38	30	16	160.5	4.83	2.79	1	4.84	0.95	0.4	27.6	8.05	5.09
AR001RCR	96.00	100.00	CCZ03118 - CCZ03121	2.95	35.1	6620	15.2	0.45	14.95	13.8	40	30.1	18	166	5.24	2.92	1.14	5.35	1.01	0.41	28.8	8.44	5.44
AR001RCR	100.00	104.00	CCZ03122 - CCZ03125	2.97	41.3	3020	11	0.31	18.25	9.1	43	29.6	16	197.5	5.21	3.02	1.03	5.39	1.01	0.45	33.1	9.5	5.92
AR001RCR	104.00	108.00	CCZ03126 - CCZ03129	4.19	47	1690	9.9	0.23	20.3	7	52	31.9	24	233	5.37	3.1	1	5.57	1.04	0.47	36.3	10.6	6.38
AR001RCR	108.00	112.00	CCZ03130 - CCZ03133	3.12	46.8	1900	9.4	0.35	21.2	8.5	46	31.7	16	226	5.66	3.27	1.08	6.13	1.12	0.5	40	11	7.06
AR001RCR	112.00	116.00	CCZ03134 - CCZ03137	3.28	41.2	7160	16.3	0.92	19.55	11.6	38	35.9	12	172	6.14	3.53	1.34	6.31	1.27	0.53	38	10.4	6.94
AR001RCR	116.00	120.00	CCZ03138 - CCZ03141	3.03	43.5	3230	12.4	0.62	19.4	9	43	32.9	12	192	5.5	3.25	1.13	5.75	1.14	0.5	37.6	10.25	6.79
AR001RCR	120.00	124.00	CCZ03142 - CCZ03145	3.36	47.7	1540	11.1	0.43	21.8	8.6	52	35.2	16	204	6.19	3.67	1.25	6.56	1.28	0.57	43.6	11.75	7.75
AR001RCR	124.00	128.00	CCZ03146 - CCZ03149	2.88	42.3	1250	9.3	0.27	18.55	7.8	49	32.6	13	202	5.33	3.29	1.04	5.36	1.12	0.52	36.8	10.1	6.46
AR001RCR	128.00	132.00	CCZ03150 - CCZ03153	2.7	33.8	4030	11.1	0.28	15.7	8.4	38	30.2	10	170.5	4.97	3.01	1.09	5.13	1.04	0.46	31.5	8.63	5.8
AR001RCR	132.00	136.00	CCZ03154 - CCZ03157	2.38	34.8	6130	16.2	0.49	15.65	11.4	36	32.8	18	177.5	5.57	3.23	1.15	5.57	1.15	0.5	32.6	8.51	6.17
AR001RCR	136.00	140.00	CCZ03159 - CCZ03161	5.49	35.4	2210	13.5	0.18	21.3	11.4	61	30.8	38	162.5	5.29	3.28	1.09	5.41	1.12	0.52	37.1	9.98	6.69
AR002RC	0.00	4.00	CCZ03164 - CCZ03167	3.98	49	740	16.1	0.01	19.85	6.9	94	27.3	447	163.5	5.01	2.78	1.33	6.06	0.99	0.43	42.4	11.5	7.41
AR002RC	4.00	8.00	CCZ03168 - CCZ03171	3.41	38.2	580	7.4	0.01	16.95	7.4	99	24	142	149	4.6	2.59	1.17	5.05	0.92	0.4	36.8	9.87	6.55
AR002RC	8.00	12.00	CCZ03172 - CCZ03175	3.34	50.8	590	8.8	0.01	19.65	10.1	113	27.6	80	149	5.01	2.81	1.42	6.02	0.99	0.43	44.5	12.15	7.6
AR002RC	12.00	16.00	CCZ03176 - CCZ03179	3.98	51.2	830	11.3	0.01	19.5	7.3	111	27.6	106	145	5.01	2.76	1.29	5.94	0.99	0.43	43	11.8	7.39
AR002RC	16.00	19.00	CCZ03180 - CCZ03182	3.86	36.4	1020	9	0.01	16.3	6.7	110	23.4	81	153	4.55	2.63	1.07	5.16	0.93	0.4	34.1	9.35	6.17
AR002RC	19.00	20.00	CCZ03183	3.14	34.9	810	5.9	<0.01	15.6	5.8	102	22.6	71	144	4.42	2.54	1.05	4.92	0.88	0.38	33.5	9.34	5.78
AR002RC	20.00	24.00	CCZ03184 - CCZ03187	3.95	46.8	940	6.6	0.01	18.95	7.3	105	27	91	154.5	5.05	2.86	1.21	5.59	0.99	0.43	40.9	11.25	7.1
AR002RC	24.00	28.00	CCZ03188 - CCZ03191	4.21	42.1	1010	6.7	0.01	18.15	6.9	84	26.5	99	170	4.99	2.98	1.24	5.73	1	0.44	38	10.45	6.71
AR002RC	28.00	32.00	CCZ03192 - CCZ03195	3.73	52.1	1200	14.7	0.06	21.2	8.2	100	28.3	49	158.5	5.23	2.89	1.35	6.3	1.02	0.45	45	12.1	7.74
AR002RC	32.00	36.00	CCZ03196 - CCZ03199	2.95	52.4	1070	22	0.33	20.9	10	105	29.3	36	167	5.47	3.03	1.41	6.21	1.07	0.46	45.8	12.4	7.82
AR002RC	36.00	39.00	CCZ03200 - CCZ03202	3.25	52.3	990	19.1	0.77	21.7	10	110	29.7	46	163	5.34	2.98	1.37	6.04	1.07	0.45	44.8	12.5	7.78
AR002RC	39.00	40.00	CCZ03203	3.02	39.4	1040	16.4	0.91	16.95	9.5	111	25.5	39	157.5	4.85	2.77	1.2	5.42	0.98	0.43	36.4	9.81	6.46
AR002RC	40.00	44.00	CCZ03204 - CCZ03207	3.22	50.6	1050	16.7	0.88	19.3	9.6	109	28.6	80	155.5	5.25	2.91	1.3	5.93	1.03	0.44	42.8	11.7	7.39
AR002RC	44.00	48.00	CCZ03208 - CCZ03211	3.28	49.4	1120	13.5	0.92	19.4	9.8	106	29	78	157	5.14	3	1.31	5.98	1.05	0.44	41.4	11.6	7.3
AR002RC	48.00	52.00	CCZ03212 - CCZ03215	3.32	46	1170	8.8	0.82	18.75	8.8	98	26.8	38	149.5	4.76	2.67	1.19	5.57	0.96	0.4	38.9	10.9	6.84
AR002RC	52.00	56.00	CCZ03216 - CCZ03219	3.22	44.4	1300	12	0.82	18.6	8.7	101	27.7	37	172	5.12	2.88	1.22	5.64	1.03	0.45	38.7	10.65	6.82
AR002RC	56.00	59.00	CCZ03220 - CCZ03222	3.53	49.1	1420	11.1	0.88	19.75	8.5	101	28	42	160.5	4.95	2.84	1.26	5.81	0.99	0.43	40.5	11.2	7.04
AR002RC	59.00	60.00	CCZ03223	3.62	35.7	1290	8.6	0.67	14.05	5.5	85	22.8	45	157.5	4.46	2.49	1.05	5.01	0.89	0.38	33.4	8.92	5.98
AR002RC	60.00	64.00	CCZ03224 - CCZ03227	3.43	47.7	1580	9.2	0.76	19.25	6.7	80	28.1	43	165	4.98	2.84	1.23	5.6	1	0.42	39.8	11.1	6.88
AR002RC	64.00	68.00	CCZ03228 - CCZ03231	3.4	49.8	1650	13.5	1.09	19.65	10.3	83	28.9	40	158.5	5.11	3.01	1.28	5.88	1.03	0.45	41.2	11.35	7.23
AR002RC	68.00	72.00	CCZ03232 - CCZ03235	3.34	50.8	1910	9.8	0.89	20	12.3	77	29.4	38	165.5	5.14	3.03	1.25	6.18	1.04	0.46	41.3	11.65	7.51
AR002RC	72.00	76.00	CCZ03236 - CCZ03239	3.11	49	1670	10.8	1.18	19.3	10.7	79	29.9	31	176	5.12	3.04	1.17	5.7	1.03	0.45	39.4	11.15	7.11
AR002RC	76.00	80.00	CCZ03240 - CCZ03243	2.75	50.1	1410	12.2	1.51	20.6	13.8	83	35.7	23	184	5.66	3.52	1.16	6.01	1.21	0.55	39.8	11.3	7.15

AR002RC	80.00	84.00	CCZ03244 - CCZ03247	2.68	51.1	590	14.2	1.78	20.2	16.6	87	45.4	19	203	6.5	4.25	1.25	6.53	1.4	0.63	40.9	11.5	7.5
AR002RC	84.00	88.00	CCZ03248 - CCZ03251	3.05	50.8	1430	12.8	1.38	20.1	10.8	92	34.1	26	191	5.35	3.2	1.17	5.9	1.09	0.47	40.8	11.4	7.48
AR002RC	88.00	92.00	CCZ03252 - CCZ03255	3.25	50.1	1470	11.5	1.67	19.8	8.6	82	29.8	47	173.5	4.97	2.96	1.13	5.81	1.03	0.44	41.2	11.6	7.34
AR002RC	92.00	93.00	CCZ03256	3.44	54.2	1620	14.1	2	22.4	12.1	95	31.7	33	180.5	5.22	3.14	1.18	5.8	1.08	0.47	39.8	11.6	7.17
AR002RC	95.00	96.00	CCZ03259	3.5	46.7	1870	13.7	1.46	21	11.5	81	31	42	187.5	5.14	3.05	1.15	5.54	1.07	0.46	38.5	10.8	6.76
AR002RC	96.00	100.00	CCZ03260 - CCZ03263	2.68	51.2	1710	13.8	0.87	21.5	7	61	28.9	28	211	4.95	2.91	1.07	5.77	0.98	0.44	40.8	11.55	7.35
AR002RC	100.00	104.00	CCZ03264 - CCZ03267	2.98	43.7	1590	13.6	0.89	16.9	5.4	49	26.4	27	190	4.44	2.64	1.02	5.14	0.9	0.41	35	9.72	6.28
AR002RC	104.00	108.00	CCZ03268 - CCZ03271	3	39.8	1700	14.6	0.83	16	5.3	45	26.2	22	201	4.36	2.62	0.91	4.79	0.88	0.41	32	8.88	5.95
AR002RC	108.00	112.00	CCZ03272 - CCZ03275	3.17	30	7320	16.7	0.78	12	8.8	33	26	18	140	4.27	2.56	0.95	4.61	0.88	0.38	26.5	7.05	5.11
AR002RC	112.00	116.00	CCZ03276 - CCZ03279	2.8	31.1	8160	15.7	0.73	12.25	8.3	27	27.7	10	149	4.49	2.65	1.02	4.69	0.93	0.4	28.2	7.53	5.54
AR002RC	116.00	120.00	CCZ03280 - CCZ03283	2.48	36.5	3030	11.3	0.46	15.3	5.3	36	26.1	12	199	4.43	2.66	0.91	4.75	0.88	0.4	29.8	8.35	5.63
AR002RC	120.00	124.00	CCZ03284 - CCZ03287	2.26	35.2	3250	12.1	0.5	15.75	6.2	34	25.8	10	204	4.38	2.61	0.88	4.76	0.87	0.4	30	8.22	5.7
AR002RC	124.00	128.00	CCZ03288 - CCZ03291	2.71	33.7	8360	19.2	0.8	14.8	10.4	30	30.4	9	165.5	4.95	3.06	1.04	5.2	1.03	0.46	29.7	8.14	5.87
AR002RC	128.00	132.00	CCZ03292 - CCZ03295	2.42	38.7	3250	12.1	0.43	17.05	5.3	32	27.6	9	206	4.56	2.79	0.89	5.02	0.92	0.44	31.8	9.04	5.89
AR002RC	132.00	136.00	CCZ03296 - CCZ03299	2.69	44.8	2210	11.5	0.43	19.4	5.2	36	27.4	11	209	4.75	2.8	0.98	5.47	0.94	0.45	36.8	10.3	6.84
AR002RC	136.00	140.00	CCZ03300 - CCZ03303	3.02	39.8	8190	22.2	0.92	16.45	11.5	37	32	14	180	5.26	3.07	1.33	6.05	1.07	0.44	36.6	9.79	6.94
AR002RC	140.00	144.00	CCZ03304 - CCZ03307	2.07	30.1	>10000	36.5	1.4	10.25	16.2	25	37.7	9	99	6	3.56	1.73	6.47	1.24	0.46	32.2	8.21	6.76
AR002RC	144.00	148.00	CCZ03308 - CCZ03311	1.65	33.4	>10000	23.1	0.86	13.5	9.8	33	31.9	9	142.5	5.21	3.13	1.28	5.6	1.06	0.44	30.3	7.92	6.16
AR002RC	148.00	152.00	CCZ03312 - CCZ03315	1.98	26.7	>10000	26.8	0.94	12.4	9.6	30	37.2	11	121	5.81	3.51	1.36	6.06	1.2	0.5	29.7	7.48	6.31
AR002RC	152.00	156.00	CCZ03316 - CCZ03319	2.7	31.4	>10000	22.4	0.84	12.45	9.8	31	34.7	9	131	5.41	3.25	1.29	5.63	1.13	0.48	29.6	7.7	6.15
AR002RC	156.00	160.00	CCZ03320 - CCZ03323	2.8	40.2	8410	19.6	0.8	15.35	9.9	38	33	12	171	5.45	3.25	1.33	5.89	1.11	0.48	34.1	9.21	6.69
AR002RC	160.00	164.00	CCZ03324 - CCZ03327	2.04	39.1	4540	15.2	0.72	16.95	7.3	41	31.5	14	189.5	5.15	3.09	1.15	5.67	1.05	0.47	34.5	9.2	6.62
AR002RC	164.00	168.00	CCZ03328 - CCZ03331	2.07	44.2	3180	12.9	0.77	18.35	7.5	46	31.3	19	191	5.2	3.21	1.03	5.57	1.06	0.5	37.3	10.1	6.83
AR002RC	168.00	172.00	CCZ03332 - CCZ03335	3.02	42.5	1890	8.9	0.45	18.45	4.9	39	28.5	13	203	4.55	3	0.9	4.94	0.93	0.45	35.1	9.76	6.29
AR002RC	172.00	176.00	CCZ03336 - CCZ03339	3.6	45.9	2010	10.1	0.51	18.85	5.2	46	29.3	15	218	4.87	2.92	0.98	5.26	0.97	0.46	37.1	10.4	6.8
AR002RC	176.00	180.00	CCZ03340 - CCZ03343	2.74	46.8	1700	9.1	0.31	20.7	4.9	51	28.9	13	231	4.98	2.97	1.04	5.81	1	0.46	39	10.9	7.14
AR002RC	180.00	184.00	CCZ03344 - CCZ03347	2.36	46.2	2770	10.8	0.37	20.3	5.7	50	30.6	12	227	5.23	3.04	1.13	6.02	1.03	0.46	38.9	10.75	7.3
AR002RC	184.00	188.00	CCZ03348 - CCZ03351	2.26	43.6	5420	17.9	0.78	19.75	8	40	34.8	14	203	5.89	3.33	1.44	6.65	1.16	0.49	38.7	10.65	7.65
AR002RC	188.00	192.00	CCZ03352 - CCZ03355	2.05	44.3	3370	13.7	0.58	19.6	6.5	43	30.9	13	192.5	5.27	3.06	1.13	5.87	1.05	0.47	36.9	10.2	6.91
AR002RC	192.00	196.00	CCZ03356 - CCZ03359	2.27	43.8	2280	11.8	0.59	19.2	5.9	46	29.3	16	205	4.87	2.94	0.96	5.34	1	0.44	35.9	10.15	6.48
AR002RC	196.00	200.00	CCZ03360 - CCZ03363	2.72	45	2290	12.9	0.65	19.5	6.3	46	31	19	214	5.13	3.03	1.05	5.54	1.04	0.47	36.7	10.3	6.72
AR002RC	200.00	204.00	CCZ03364 - CCZ03367	3.12	44.1	2180	13.2	0.57	18.2	6	46	28.6	17	204	4.82	2.87	1.02	5.43	0.99	0.45	36.2	10.2	6.48
AR002RC	204.00	208.00	CCZ03368 - CCZ03371	3.37	40.2	4390	17	0.71	16.2	7.9	38	27	14	175.5	4.95	2.73	1.07	4.99	0.98	0.4	32.2	9.38	5.6
AR002RC	208.00	212.00	CCZ03372 - CCZ03375	2.79	32.1	6580	21.2	0.76	13.8	9.4	30	26.1	18	151.5	4.84	2.69	1.08	4.87	0.97	0.4	28.5	7.89	5.2
AR002RC	212.00	216.00	CCZ03376 - CCZ03379	2.74	31.8	8320	21.3	0.92	13.65	9.9	29	27.4	13	141.5	4.94	2.76	1.03	4.79	0.99	0.38	27.5	7.59	5.17
AR002RC	216.00	219.00	CCZ03380 - CCZ03382	3.08	38.9	5720	17.5	0.95	18.7	8.7	37	30.5	51	173	5.55	3.17	1.14	5.62	1.12	0.45	33.5	9.54	5.94
AR002RC	219.00	220.00	CCZ03383	3.17	43	3990	14.7	0.91	20.2	8.6	42	33.7	16	194.5	5.83	3.35	1.19	6.1	1.18	0.5	38.8	10.55	7.07
AR002RC	220.00	224.00	CCZ03384 - CCZ03387	3.05	45.7	2640	12.3	0.72	19.85	7.3	45	28.8	25	186.5	5.17	2.94	1.1	5.56	1.04	0.43	37.4	10.6	6.33
AR002RC	224.00	228.00	CCZ03388 - CCZ03391	3.63	51.5	1890	11.2	0.76	21.2	6.7	50	27.5	20	178.5	5.13	2.92	1.13	5.52	1.03	0.42	41.7	12.05	6.92
AR002RC	228.00	232.00	CCZ03392 - CCZ03395	3.87	49.7	2390	10.4	0.7	20.4	6.5	50	27.9	19	175.5	5.08	2.83	1.13	5.41	1.03	0.43	39.4	11.1	6.57
AR002RC	232.00	236.00	CCZ03396 - CCZ03399	3.87	49.4	2860	10	0.51	22	6.3	43	29.8	15	224	5.33	3.08	1.07	5.46	1.09	0.48	38.2	11.15	6.5
AR002RC	236.00	238.00	CCZ03400 - CCZ03401	4.42	43.1	6330	11.7	0.69	18.2	6.8	38	31.6	34	205	5.49	3.13	1.19	5.39	1.11	0.45	35.2	10.05	6.37
AR003RC	0.00	4.00	CCZ03407 - CCZ03410	3.53	56.1	1340	9.5	0.04	17.6	7.2	82	39.1	57	178.5	6.14	3.75	1.33	6.01	1.32	0.5	53	13.7	8.77
AR003RC	4.00	8.00	CCZ03411 - CCZ03414	2.72	58.4	1160	7.6	0.03	19.15	6.8	79	31.7	70	167	5.45	3.2	1.4	6.13	1.12	0.44	48.8	12.9	8.91
AR003RC	8.00	12.00	CCZ03415 - CCZ03418	3.32	51	1730	5.1	0.01	21.6	8.6	84	29.4	130	164.5	5.28	3.06	1.18	6.16	1.05	0.44	38.9	11.05	7.05
AR003RC	12.00	16.00	CCZ03419 - CCZ03422	4.78	45.1	2140	4.6	0.01	20.9	8.1	76	30.6	110	147	5.53	3.14	1.25	5.97	1.11	0.43	36.7	10.2	6.75
AR003RC	16.00	19.00	CCZ03423 - CCZ03425	4.69	49.5	1860	4.2	0.01	22.7	7.5	81	28.4	148	156	5.34	3.02	1.23	5.85	1.08	0.43	39.6	11.4	7.06
AR003RC	19.00	20.00	CCZ03426	4.71	58.9	1620	5.5	0.01	26.7	7.8	80	32.4	81	164	5.88	3.37	1.53	6.73	1.19	0.49	50.1	13.75	8.63
AR003RC	20.00	24.00	CCZ03427 - CCZ03430	4.55	66.3	1770	4.7	0.01	26	6.6	80	30.7	69	159.5	5.91	3.35	1.38	6.7	1.18	0.46	49.8	14.15	8.47
AR003RC	24.00	28.00	CCZ03431 - CCZ03434	5.37	53.5	2320	6.8	0.01	23.8	9.4	82	30.8	44	169.5	5.56	3.32	1.16	5.84	1.17	0.48	41.7	11.65	7.26
AR003RC	28.00	32.00	CCZ03435 - CCZ03438	5.34	45.8	4800	7.2	0.01	21.4	12	93	32.6	129	182	5.7	3.2	1.22	6.24	1.16	0.46	39.5	11	7.14
AR003RC	32.00	36.00	CCZ03439 - CCZ03442	12.35	38.6	5840	8.3	0.01	17.95	10.8	72	31	88	164	5.4	3.09	1.1	5.67	1.1	0.44	32.8	8.87	6.28
AR003RC	36.00	39.00	CCZ03443 - CCZ03445	8.22	42.3	2930	9.3	0.01	21.6	11.4	69	36.2	49	204	6.09	3.61	1.21	6.17	1.26	0.49	38	10.25	7.14
AR003RC	39.00	40.00	CCZ03446	4.86	55.2	1460	12.6	0.02	27.1	9.5	58	40.9	35	232	6.77	4.03	1.22	6.09	1.44	0.56	44.8	12.55	7.47
AR003RC	40.00	44.00	CCZ03447 - CCZ03450	3.48	51.5	3060	11.4	0.22	25.4	9.8	54	34.5	20	242	6.24	3.56	1.31	6.82	1.27	0.51	45.5	12.45	8.13
AR003RC	44.00	48.00	CCZ03451 - CCZ03454	2.92	43.9	3990	12	0.44	18.7	8.7	41	33.7	15	216	5.62	3.17	1.29	6.09	1.16	0.45	39.3	10.6	7.14
AR003RC	48.00	52.00	CCZ03455 - CCZ03458	2.59	40.8	2220	12.5	0.64	17	4.7	42	28.7	15	230	4.84	2.83	1.08	5.38	0.98	0.4	34.5	9.66	6.07
AR003RC	52.00	56.00	CCZ03459 - CCZ03462	5.33	40	2220	10.8	0.49	17.85	5.6	44	28.3	39	229	4.79	2.79	1	5.09	1	0.43	32.9	9.07	5.85
AR003RC	56.00	59.00	CCZ03463 - CCZ03465	3.17	35.3	6610	14.1	0.8	16.15	9.4	27	28.7	80	168.5	4.91	2.89	1.01	5.22	1.03	0.41	30.3	8.31	5.65
AR003RC	59.00	60.00	CCZ03466	6.88	28.5	>10000	24.1	1.35	6.88	12	16	26.6	40	38.6	4.19	2.52	1.28	4.12	0.89	0.34	24.9	7.08	4.39
AR003RC	60.00	64.00	CCZ03467 - CCZ03470	5.15	31.9	>10000	20	0.81	7.47	7	17	28.7	37	51.1	4.77	2.69	1.47	5.18	0.98	0.33	27	6.78	5.29
AR003RC	64.00	68.00	CCZ03471 - CCZ03474	3.24	28.4	8370	17.6	0.51	10.8	6.2	20	25	22	147	4.31	2.58	1.12	4.56	0.89	0.39	25.2	6.34	4.97
AR003RC	68.00	72.00	CCZ03475 - CCZ03478	2.56	56	4910	11	0.48	13.1	5.6	29	20.2	16	202	3.8	2.09	1.14	4.65	0.76	0.33	34.8	10.6	5.69
AR003RC	72.00	76.00	CCZ03479 - CCZ03482	2.26	36.7	2290	9.3	0.33	16.3	4.1	37	21.6	16	227	3.63	2.25	0.79	4.09	0.76	0.36	26.4	7.38	4.62

AR003RC	76.00	79.00	CCZ03483 - CCZ03485	2.87	37.9	3280	13.6	0.52	17.1	5.6	35	27.4	21	215	4.81	2.87	0.99	5	0.99	0.42	30.8	8.51	5.5
AR003RC	79.00	80.00	CCZ03486	3.85	41.5	1820	11.9	0.44	18.5	3.9	32	25.3	25	194.5	4.75	2.79	0.95	5.02	0.97	0.42	34.7	9.63	6.1
AR003RC	80.00	84.00	CCZ03487 - CCZ03490	3.29	36.9	5540	13.5	0.56	17.25	7.3	33	28.4	20	200	4.8	3	0.95	5.02	1.01	0.43	29.9	8.08	5.36
AR003RC	84.00	88.00	CCZ03491 - CCZ03494	3.41	38.8	7240	14.9	0.8	18	9.1	30	32.8	22	184	5.47	3.38	1.07	5.82	1.16	0.47	32.8	8.87	6.22
AR003RC	88.00	92.00	CCZ03495 - CCZ03498	4.36	42.8	1600	9.1	0.31	19.9	3.8	36	27.3	26	219	4.74	2.88	0.9	5.18	0.97	0.44	33.5	9.3	5.82
AR003RC	92.00	96.00	CCZ03499 - CCZ03502	3.84	40.9	3650	13	0.48	18.2	6.9	37	29.9	20	221	5.13	3.04	1.07	5.22	1.06	0.45	33.3	9.06	5.84
AR003RC	96.00	99.00	CCZ03503 - CCZ03505	4.64	39.2	>10000	25.2	1.18	14.75	12.2	37	33.4	18	169.5	5.39	3.33	1.11	5.32	1.13	0.46	31.6	8.45	5.67
AR003RC	99.00	100.00	CCZ03506	3.86	36.3	>10000	32.1	1.61	9.69	17.1	19	38.5	13	30.5	6.04	3.77	1.45	5.78	1.3	0.5	31.1	8.3	5.75
AR003RC	100.00	104.00	CCZ03507 - CCZ03510	2.75	30.7	>10000	22.4	1.1	10.05	11.1	26	33.6	17	108	5.35	3.23	1.19	5.35	1.12	0.43	27	6.78	5.09
AR003RC	104.00	108.00	CCZ03511 - CCZ03514	3.03	35.3	9050	16.4	0.62	13.65	8.8	30	31.6	16	155	5.17	3.12	1.13	5.37	1.07	0.44	30.1	8.16	5.64
AR003RC	108.00	112.00	CCZ03515 - CCZ03518	3.42	36.5	4400	10.6	1.06	16.95	5.1	36	28.3	27	185.5	4.92	2.89	1.08	5.29	1.02	0.41	30.8	8.44	5.63
AR003RC	112.00	116.00	CCZ03519 - CCZ03522	4.4	43.8	2160	8.5	0.68	20.4	4	39	29.4	33	210	5.13	3.08	1.05	5.66	1.06	0.45	36.1	10.05	6.41
AR003RC	116.00	119.00	CCZ03523 - CCZ03525	4.51	48	1140	7.5	0.28	21.1	4.1	51	29	28	224	4.84	2.81	0.96	5.3	0.99	0.4	36.7	10.45	6.15
AR003RC	119.00	120.00	CCZ03526	3.29	49.9	1270	8.2	0.15	23.2	4.6	48	28.4	21	236	5.14	2.92	1.15	5.74	1.03	0.44	41.6	11.7	7.16
AR003RC	120.00	124.00	CCZ03527 - CCZ03530	3.72	48.9	2250	10.8	0.63	23	6.8	45	30.3	26	217	5.36	3.12	1.05	5.92	1.11	0.46	37.6	10.8	6.55
AR003RC	124.00	128.00	CCZ03531 - CCZ03534	3.97	44.5	3560	12.4	0.69	21	6.8	44	29.6	21	191	5.08	2.92	1.11	5.74	1.02	0.42	36.5	10.1	6.48
AR003RC	128.00	132.00	CCZ03535 - CCZ03538	4.56	46.4	1150	9.3	0.42	21.3	4.7	47	25.9	21	209	4.51	2.59	0.93	5.16	0.94	0.39	35.5	10	6.04
AR003RC	132.00	136.00	CCZ03539 - CCZ03542	4.53	37.4	4910	11.8	0.56	16.95	6.1	39	28.4	22	194	4.53	2.74	0.96	4.83	0.98	0.41	30.5	8.26	5.44
AR003RC	136.00	139.00	CCZ03543 - CCZ03545	3.24	34	5060	13	0.68	17.15	7.3	33	32	21	207	5.42	3.18	1.06	5.76	1.11	0.44	32.4	8.77	6.12
AR003RC	139.00	140.00	CCZ03546	2.65	30.6	>10000	21.4	0.89	15.15	12.4	25	29	19	152.5	4.71	2.88	1.14	4.6	1	0.41	27.6	7.52	5.03
AR003RC	140.00	143.00	CCZ03547 - CCZ03549	3.12	36.9	5480	13.6	0.54	16.7	7.2	33	29.1	127	204	4.83	2.99	0.99	5.28	1.02	0.41	31.2	8.82	5.69
AR004RC	0.00	4.00	CCZ03557 - CCZ03560	4.22	48.4	680	20.9	0.01	20.8	8.9	98	25.9	97	145.5	5.32	2.98	1.21	5.75	1.08	0.39	38.6	11.65	6.29
AR004RC	4.00	8.00	CCZ03561 - CCZ03564	3.65	54.6	750	19.1	0.01	22.3	11.5	109	29.8	133	136	5.74	3.22	1.4	6.61	1.16	0.41	46.5	12.85	7.14
AR004RC	8.00	12.00	CCZ03565 - CCZ03568	3.81	41.3	1010	15.3	<0.01	18.15	8.1	109	23.4	155	127	5.06	2.79	1.14	5.58	1.02	0.36	34.8	9.89	5.75
AR004RC	12.00	16.00	CCZ03569 - CCZ03572	3.95	52.7	1190	17.6	<0.01	20.7	7.8	116	27.6	127	133	5.62	3.05	1.29	6.38	1.1	0.37	44.3	12.3	6.73
AR004RC	16.00	19.00	CCZ03573 - CCZ03575	3.85	45.5	1000	16.5	<0.01	19.2	7.5	120	24.9	121	127	5.2	2.87	1.16	5.95	1.05	0.37	37.8	10.9	6.44
AR004RC	19.00	20.00	CCZ03576	4.34	52.8	1070	20.7	0.01	21.1	10.3	118	27.1	171	134.5	5.09	2.8	1.33	5.8	1	0.39	43.5	12.2	7.11
AR004RC	20.00	24.00	CCZ03577 - CCZ03580	3.55	52.1	940	15	<0.01	21.5	7.9	111	26.4	106	125	5.26	2.93	1.25	6.18	1.04	0.36	41.2	12.2	6.77
AR004RC	24.00	28.00	CCZ03581 - CCZ03584	3.67	46.5	1010	19.3	0.04	18.5	9	113	23.6	115	121	4.88	2.61	1.19	5.67	0.98	0.34	36.9	10.75	6.02
AR004RC	28.00	32.00	CCZ03585 - CCZ03588	4.16	43.5	1060	16.5	0.1	17.05	6.5	99	23.2	111	120	4.7	2.55	1.11	5.38	0.92	0.33	35.1	10.2	5.85
AR004RC	32.00	36.00	CCZ03589 - CCZ03592	3.99	44.8	960	13.3	0.06	17.35	6.5	107	23.9	96	118.5	4.78	2.61	1.13	5.5	0.94	0.33	36.8	10.75	6.11
AR004RC	36.00	39.00	CCZ03593 - CCZ03595	4.41	49.3	1120	13.1	0.08	19.25	6.1	125	26.6	104	132.5	5.22	2.79	1.25	6.03	1.03	0.36	39.1	11.4	6.66
AR004RC	39.00	40.00	CCZ03596	3.73	45.1	1110	12	0.09	18.7	6.2	125	25.5	90	151	4.56	2.55	1.18	5.05	0.92	0.38	38.9	10.7	6.31
AR004RC	40.00	44.00	CCZ03597 - CCZ03600	3.54	42.3	1210	9.5	0.11	17.65	5.9	112	24.4	85	143.5	4.98	2.8	1.16	5.57	1	0.36	36	10.5	6.17
AR004RC	44.00	48.00	CCZ03601 - CCZ03604	3.71	43	1400	9.1	0.11	19.2	5.9	87	25.4	97	151	5.22	2.94	1.19	6	1.05	0.37	36.4	10.1	6.2
AR004RC	48.00	52.00	CCZ03605 - CCZ03608	3.78	51.3	1240	11.3	0.11	20.8	6.2	83	26.8	137	139.5	5.35	2.89	1.26	6.11	1.05	0.37	42.9	12.05	6.82
AR004RC	52.00	56.00	CCZ03609 - CCZ03612	3.75	50.4	1130	8.1	0.15	19.9	6.2	102	25.6	95	126.5	5.08	2.76	1.25	5.91	1	0.35	41.6	11.6	6.57
AR004RC	56.00	59.00	CCZ03613 - CCZ03615	4.07	48.7	1060	8.1	0.1	19.85	6	109	25.1	69	128	5.11	2.79	1.24	5.88	1.02	0.36	40.3	11.45	6.57
AR004RC	59.00	60.00	CCZ03616	3.66	48.3	1140	8.6	0.12	19.35	6.3	106	24.3	69	135.5	4.7	2.57	1.33	5.37	0.94	0.36	41.4	11.5	6.72
AR004RC	60.00	64.00	CCZ03617 - CCZ03620	4.33	48.6	1730	10.5	0.18	18.75	6.7	88	28.4	81	119.5	5.22	2.85	1.28	6.14	1.02	0.35	38.5	10.85	6.45
AR004RC	64.00	68.00	CCZ03621 - CCZ03624	3.54	38.6	1060	6.3	0.09	17.25	5.7	102	23	74	135	4.82	2.71	1.14	5.56	0.97	0.35	34.1	9.76	5.85
AR004RC	68.00	72.00	CCZ03625 - CCZ03628	3.87	48.4	930	5	0.08	19.15	5.1	100	27	66	133	4.89	2.65	1.15	5.6	0.96	0.33	38.1	10.8	6.19
AR004RC	72.00	76.00	CCZ03629 - CCZ03632	3.78	45.5	920	7	0.07	19.1	5.2	83	25.9	75	138.5	5.05	2.74	1.16	5.76	1	0.37	36.6	10.45	6.13
AR004RC	76.00	79.00	CCZ03633 - CCZ03635	3.35	58.7	890	6.3	0.06	23.6	5.2	69	31.6	56	199.5	6	3.3	1.37	6.63	1.19	0.43	47	13.6	7.41
AR004RC	79.00	80.00	CCZ03636	2.66	52.9	760	7	0.06	22.7	6.4	65	32.4	41	267	5.96	3.58	1.5	6.05	1.25	0.51	49.2	13.55	7.93
AR004RC	80.00	84.00	CCZ03637 - CCZ03640	3.93	49.5	990	4.1	0.07	19.65	4.6	79	24.9	112	134.5	4.96	2.69	1.17	5.78	0.97	0.35	40.4	11.6	6.58
AR004RC	84.00	88.00	CCZ03641 - CCZ03644	3.99	51.1	1000	4.7	0.09	19.7	5.4	82	25.7	83	129.5	4.94	2.7	1.17	5.91	0.99	0.35	40	11.55	6.45
AR004RC	88.00	92.00	CCZ03645 - CCZ03648	3.64	50.8	980	5.4	0.12	20.6	6.7	77	26.6	54	134	5.02	2.79	1.18	6.03	1.01	0.37	42.3	11.7	6.66
AR004RC	92.00	96.00	CCZ03649 - CCZ03652	4.08	45.1	950	8.2	0.25	18.3	4.4	79	23.1	57	131.5	4.79	2.63	1.11	5.6	0.94	0.35	37.1	10.85	6.15
AR004RC	96.00	99.00	CCZ03653 - CCZ03655	3.53	47.3	1170	12	0.62	18.55	5.2	87	25.2	48	131	4.91	2.64	1.19	5.75	0.98	0.34	38.9	10.75	6.43
AR004RC	99.00	100.00	CCZ03656	3.88	45.6	1240	21.4	0.87	17.75	7.4	90	24.2	53	138	4.58	2.49	1.22	5.09	0.91	0.36	39.5	10.85	6.53
AR004RC	100.00	104.00	CCZ03657 - CCZ03660	3.72	52.1	1310	19.2	0.94	20.2	7.6	87	29.9	56	153.5	5.68	3.04	1.35	6.46	1.11	0.38	42.2	11.7	6.96
AR004RC	104.00	108.00	CCZ03661 - CCZ03664	3.69	53	1450	24.7	0.94	21	7.6	99	29	77	138	5.66	3.02	1.33	6.43	1.1	0.38	43.5	12.2	6.93
AR004RC	108.00	112.00	CCZ03665 - CCZ03668	3.82	41	1310	23	1.11	17.4	7.1	98	23.7	69	136.5	4.72	2.65	1.11	5.37	0.93	0.34	34.8	10.1	5.86
AR004RC	112.00	116.00	CCZ03669 - CCZ03672	3.59	52.1	1240	20.8	0.9	21.4	7.5	100	26.8	58	136	5.27	2.84	1.29	6.03	1.05	0.37	40.9	12.1	6.62
AR004RC	116.00	119.00	CCZ03673 - CCZ03675	3.77	50.6	1310	24.3	0.91	20.2	7.3	103	27.2	61	133.5	5.26	2.89	1.26	6.14	1.04	0.36	39.8	11.4	6.63
AR004RC	119.00	120.00	CCZ03676	4.19	53.1	1480	31.2	1.18	20.2	9.1	108	27.6	56	147	4.96	2.75	1.32	5.79	1.01	0.39	44.2	12.3	7.15
AR004RC	120.00	124.00	CCZ03677 - CCZ03680	3.76	53.7	1390	24.5	1.01	20.8	8.7	104	28.4	55	139.5	5.42	2.93	1.3	6.38	1.08	0.37	42.9	11.95	6.88
AR004RC	124.00	128.00	CCZ03681 - CCZ03684	3.52	50.1	1270	17.3	0.83	20.7	8.4	105	27.3	54	132.5	5.26	2.83	1.25	5.93	1.04	0.37	39.5	11.2	6.43
AR004RC	128.00	132.00	CCZ03685 - CCZ03688	3.72	50.1	1360	18.1	0.82	20.1	8.5	105	27.8	54	138	5.48	2.95	1.27	6.27	1.09	0.38	39	11	6.46
AR004RC	132.00	136.00	CCZ03689 - CCZ03692	3.6	48.6	1280	12.5	0.73	20	7.2	101	27.2	77	134	5.21	2.91	1.18	5.93	1.05	0.37	39.2	11.4	6.41
AR004RC	136.00	139.00	CCZ03693 - CCZ03695	3.68	48.1	1220	9	0.66	20.5	6.2	106	25.3	54	135	4.64	2.59	1.19	5.3	0.9	0.36	38.6	11.15	6.43
AR004RC	139.00	140.00	CCZ03696	3.95	53.7	1250	13.7	0.8	21.5	6.9	100	26.3	52	145	5.06	2.82	1.36	5.8	1	0.39	45.1	12.45	7.26
AR004RC	140.00	144.00	CCZ03697 - CCZ03700	3.64	46.3	1220	11.6	0.74	19.55	6.2	100	26.5	54	139	4.59	2.61	1.15	5.26	0.88	0.35	40.3	11.45	6.54

AR004RC	144.00	148.00	CCZ03701 - CCZ03704	3.47	46.5	1160	12.2	0.69	19.5	6.1	96	24.3	75	141	4.34	2.43	1.12	5.03	0.85	0.35	37.1	11.05	6.3
AR004RC	148.00	152.00	CCZ03705 - CCZ03708	3.49	47.4	1200	10.1	0.62	19.9	6.1	91	27.4	60	159.5	4.49	2.6	1.1	5.09	0.89	0.35	38.4	11.05	6.46
AR004RC	152.00	156.00	CCZ03709 - CCZ03712	3.65	48	1300	8.9	0.65	20	6.5	91	26.5	50	161	4.51	2.59	1.13	5.09	0.89	0.36	37.3	10.9	6.42
AR004RC	156.00	159.00	CCZ03713 - CCZ03715	3.92	49.2	1500	11.5	0.82	19.9	6.6	95	27.6	49	153	4.69	2.65	1.24	5.35	0.92	0.37	39.9	11.4	6.68
AR004RC	159.00	160.00	CCZ03716	3.93	53.6	1570	10.4	0.75	20.1	7.2	81	26.6	72	158.5	4.96	2.82	1.29	5.63	0.99	0.4	43.7	12.3	7.08
AR004RC	160.00	164.00	CCZ03717 - CCZ03720	3.88	50.1	1270	6.8	0.43	21	5.4	92	27.6	51	153	4.76	2.68	1.19	5.45	0.93	0.39	42.2	12.15	7.01
AR004RC	164.00	168.00	CCZ03721 - CCZ03724	3.9	41.7	1290	5.6	0.47	17.9	4.6	86	25.6	49	147.5	4.23	2.46	1.05	4.84	0.82	0.34	35.2	10.1	6.04
AR004RC	168.00	172.00	CCZ03725 - CCZ03728	3.9	50.5	1560	6.8	0.63	22	5.7	86	29.2	72	159	4.98	2.84	1.25	5.57	0.98	0.4	41.9	11.85	6.91
AR004RC	172.00	176.00	CCZ03729 - CCZ03732	3.95	52	1720	8.9	0.85	21.8	7.1	85	29.4	47	160	5.06	2.89	1.28	5.87	1	0.41	43.2	12.15	7.15

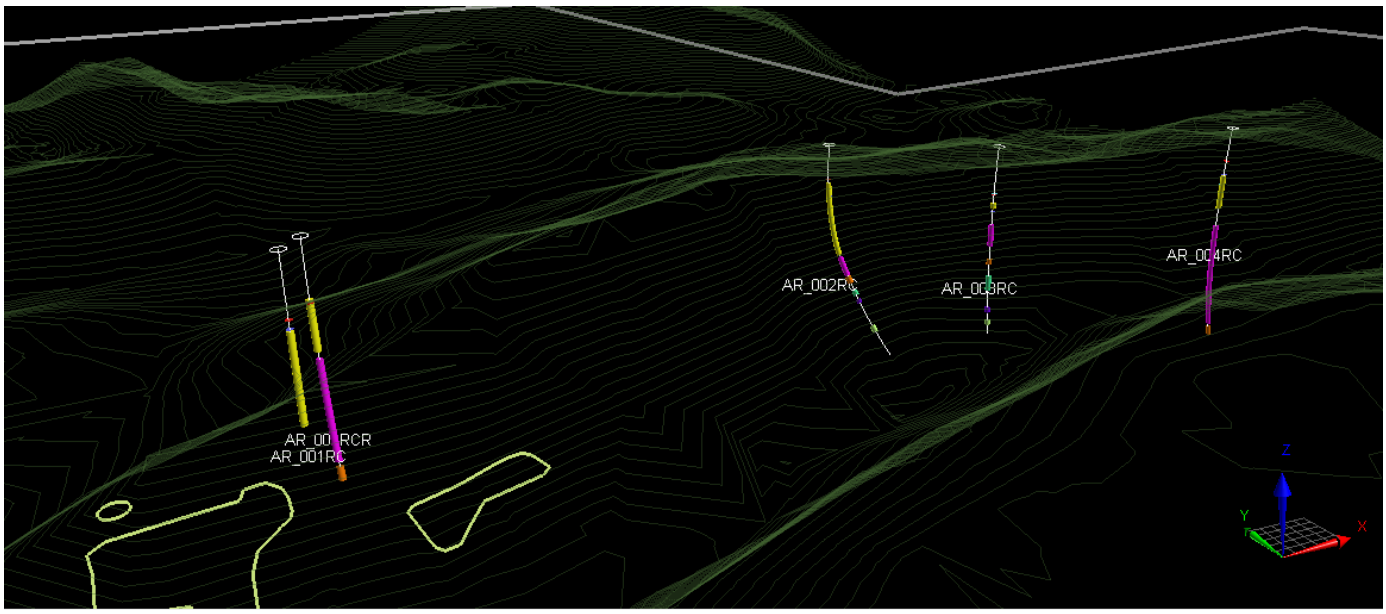
FIGURE AC-4: ARYA DRILLHOLE LOCATION vs EM ANOMALY



Notes:

1. Coordinate system is MGA94-Zone 54, collars are AHD.
2. Shows EM anomalies, MIM EM airborne survey, Location of AusAEM survey line 2024_003, and the “as drilled” 2021 collars.

FIGURE AC-5: ARYA DRILLHOLE LOCATION AND GRAPHITE INTERSECTIONS



Notes:

1. View at Ayra looking north-east, showing topography (2m contours) and drilling.
2. Coloured bars represent Cg >0.5%, with purple higher grade (>1% TGC).
3. Light green polygons (see Figure AC-4) present surface copper anomalies (>250ppm Cu) untested by drilling. Source: CCZ Geology Team.

ARYA AND ELDORADO SURFACE MAPPING AND ROCK CHIP SAMPLING

Original Drill Sites

Each of the original fourteen (14) planned drill sites was mapped and rock chip sampled. Weakly anomalous copper and silver anomalies were found at several of the surface sites.

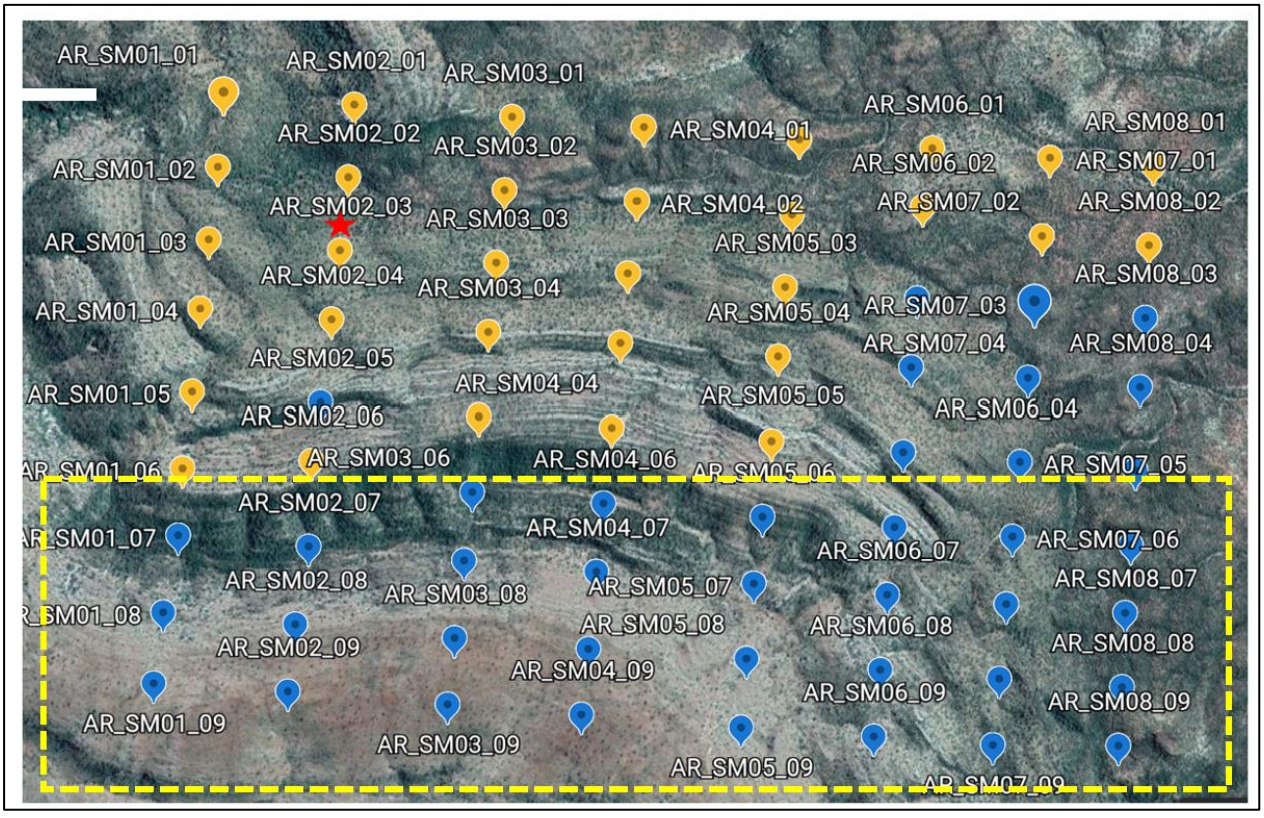
Arya South

Concurrent with the drilling program, the geology team completed an approximately 200m-by-200m mapping / rock chip sampling campaign which is designed to extend the known surface anomaly to the south (Figure AC-6).

Eldorado South

Rock specimens were also collected from fourteen locations across Eldorado South. Local terrain is rougher, steeper, and more timbered that at Arya (Figure AC-7). The surface geology is more varied, with signs of copper mineralisation at surface. Rock specimens collected from the Arya and Eldorado surface mapping programs have been analysed with the XRF gun and Magnetic Susceptibility tool. The results from both tools and the subsequent assay at Eldorado South looked promising, with several copper anomalies (>150ppm) recorded (Refer to Figures AC-8 and AC-9).

FIGURE AC-6: ARYA COPPER SURFACE SAMPLING GRID

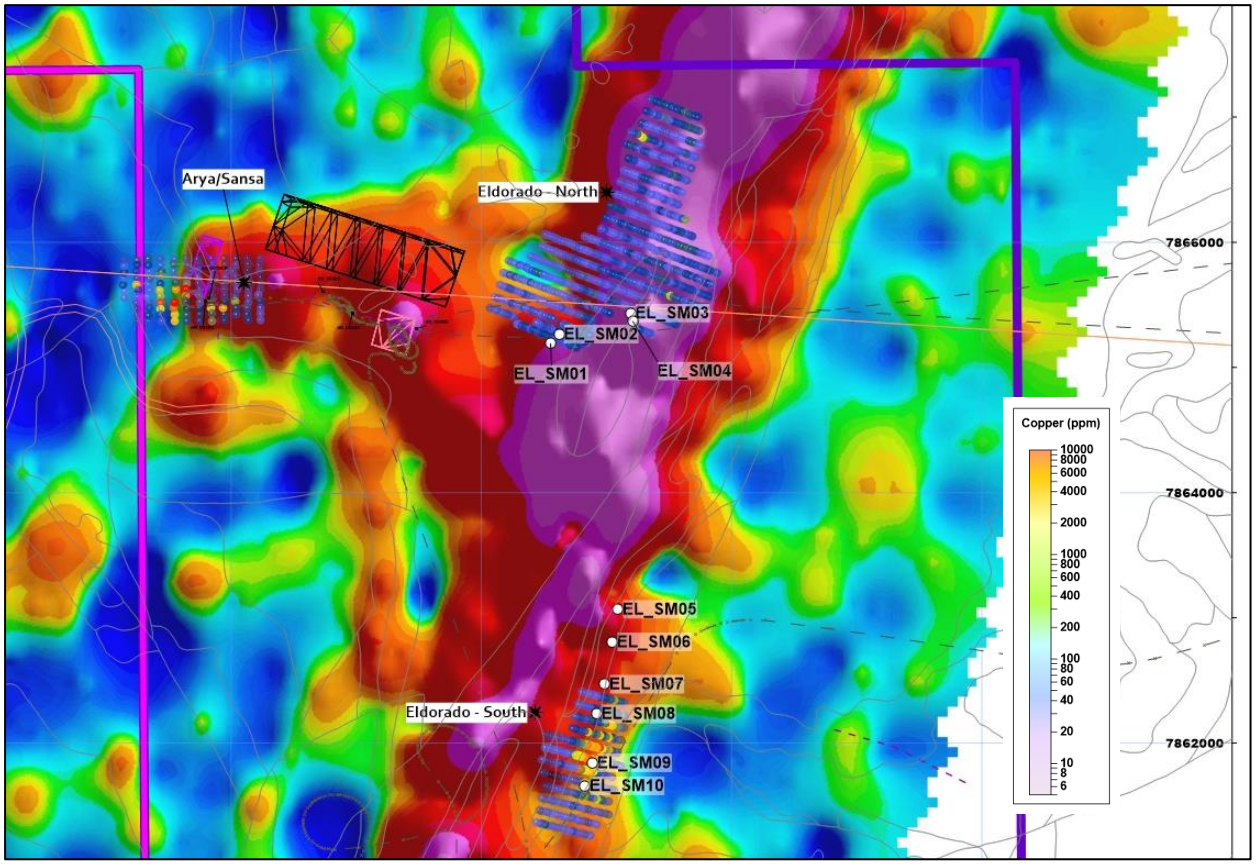


Source: CCZ Geology Team

FIGURE AC-7: ELDORADO COPPER SURFACE SAMPLING GRID FIELD EXAMPLE

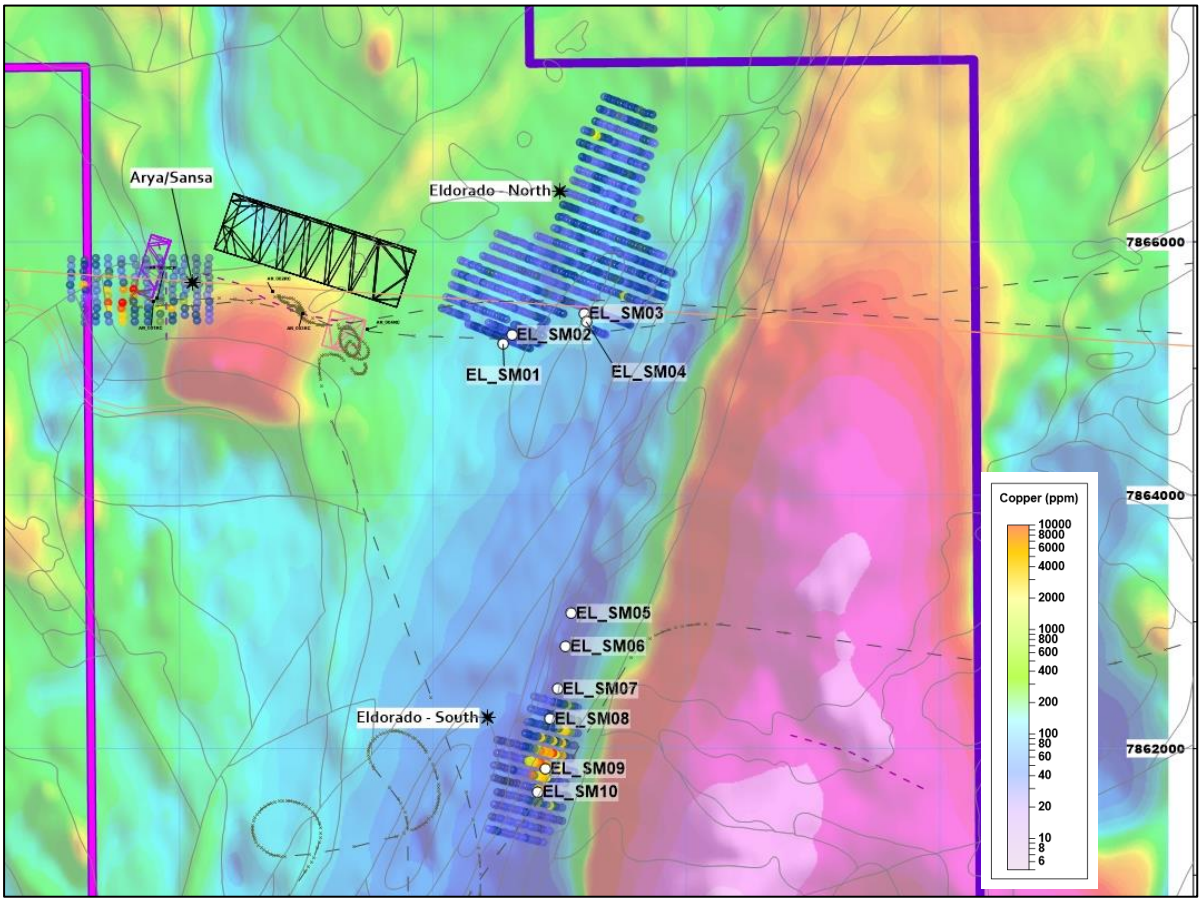
Source: CCZ Geology Team

FIGURE AC-8: ARYA AND ELDORADO SOUTH - SURFACE SAMPLES AGAINST EM ANOMALIES



Source: CCZ Geology Team

FIGURE AC-9: ARYA AND ELDORADO SOUTH - SURFACE SAMPLING AGAINST TMI ANOMALIES



Notes:

1. Figure AB-6 is showing surface samples on Z-CH5 Airborne EM and Figure AB-7 on TMI.
2. Both Figures show soil samples copper, recent rock chip samples, also 1: 100,000 geology shown and EM wireframes.
3. Coordinate system is MGA94-Zone 54, collars are AHD.

APPENDIX D: ARYA PROSPECT – METALLURGICAL TESTS

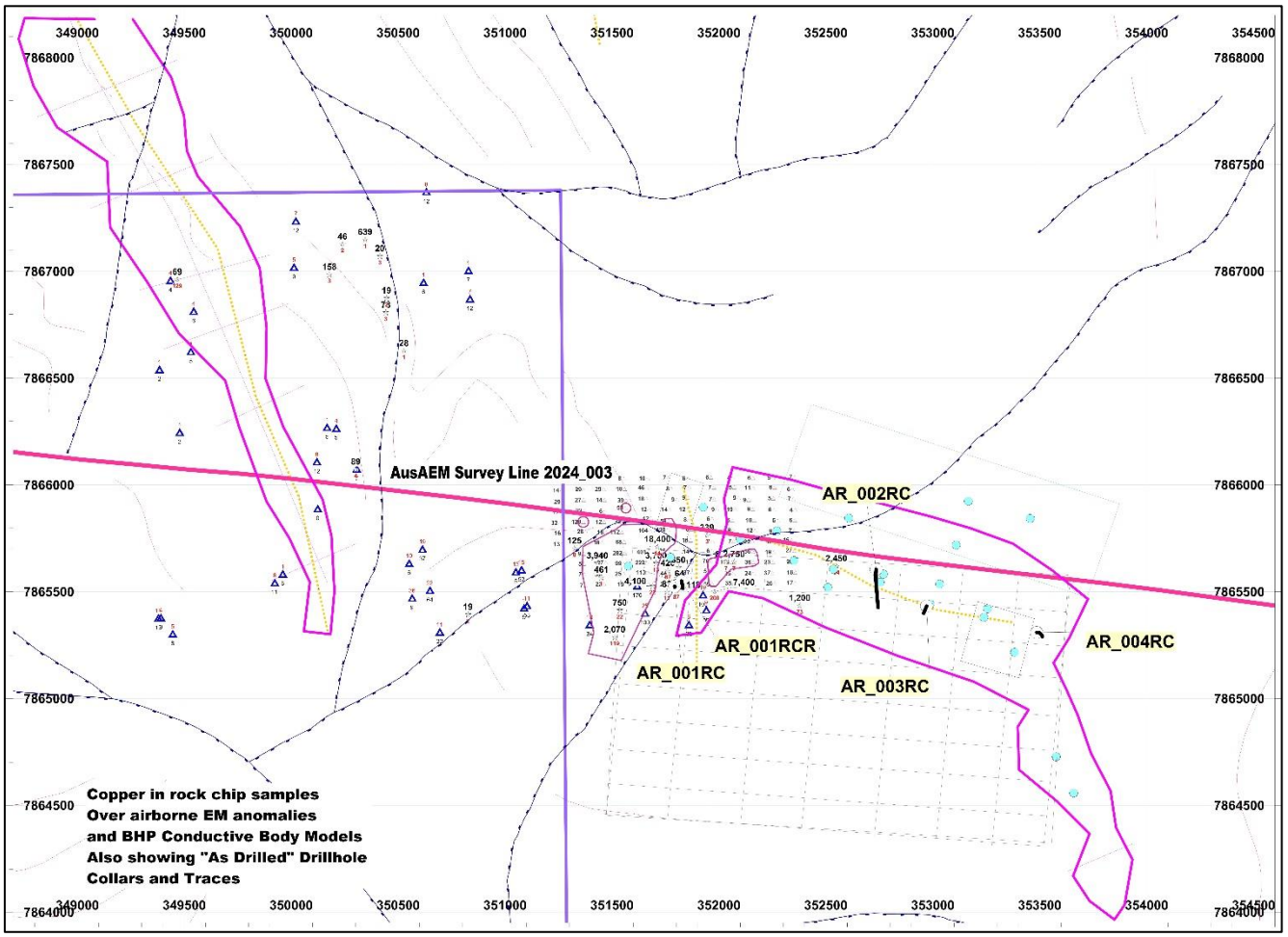
Background

A 20m composite sample from AR_002RC (Figure AD-1) was sent to ALS Laboratory Perth for sizing, petrographic analysis and TGC lab testing (refer to Table AD-1). Originally, sizing of the graphite flakes was planned but as the sample only assayed 1.2 % Cg (Table AD-2); not enough flakes could be collected to conduct the sizing analysis.

Table AD-1: Composite Sample Details

Hole	Sample Interval	From	To	Length	Cg (%)
AR_002RC	CCZ03228 - CCZ03231	64	68	4	0.97
AR_002RC	CCZ03232 - CCZ03235	68	72	4	1.17
AR_002RC	CCZ03236 - CCZ03239	72	76	4	1.55
AR_002RC	CCZ03240 - CCZ03243	76	80	4	1.51
AR_002RC	CCZ03244 - CCZ03247	80	84	4	1.29
				20	

Figure AD-1: Location of AR_002RC Metallurgical Sample



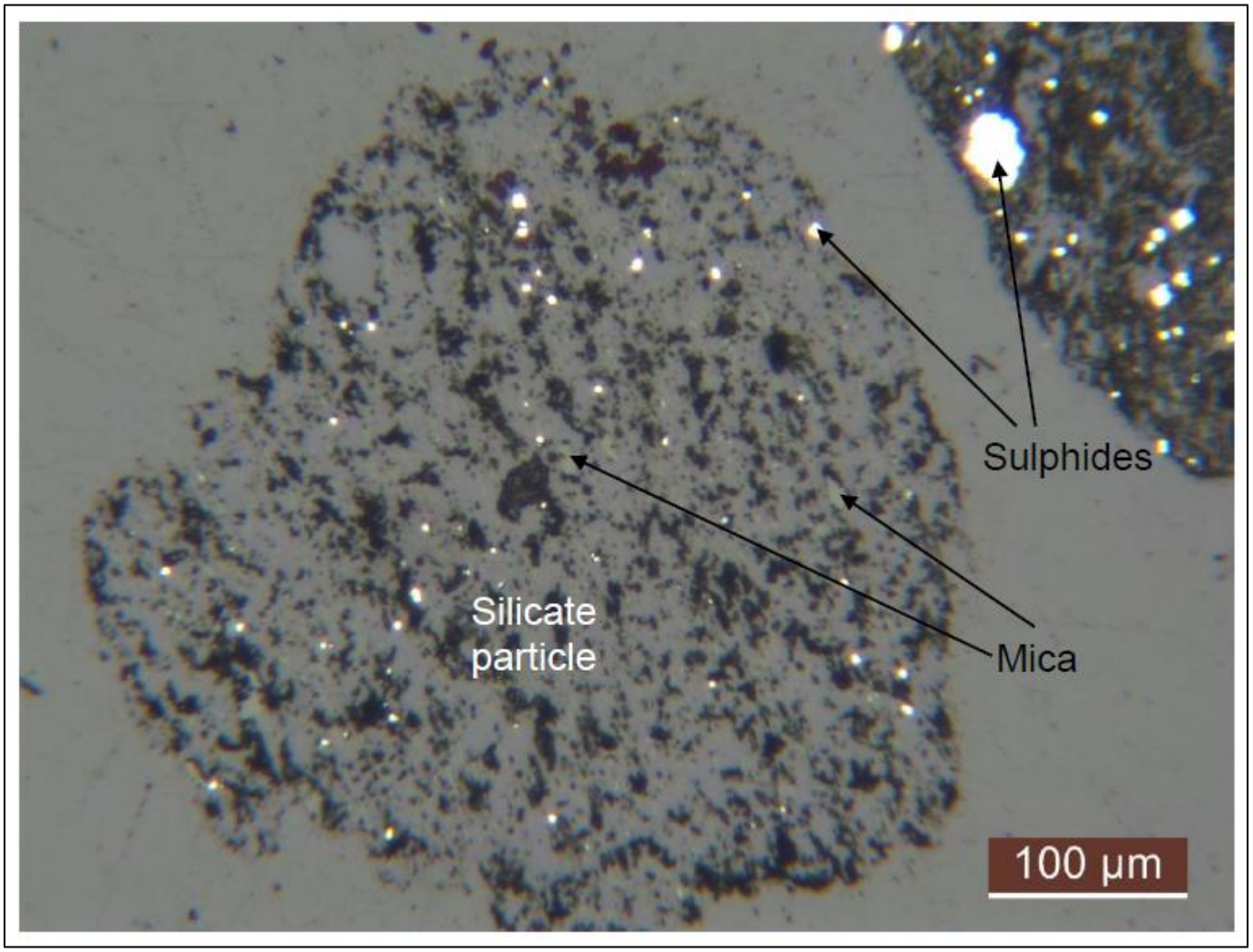
Petrographic Description

One composite sample from drill-hole AR_002RC, sized into 7 fractions, was submitted for optical investigation, with the main aim of characterising the presence and mode of occurrence of graphite (Schulz and others 2022; refer to Appendix E for reference list).

Polished blocks were prepared for all size fractions, and these were examined using a petrographic microscope (reflected light). Further, representative splits of the +800 µm and +500 µm fractions were examined using a stereo microscope.

Reflected light images of selected fields of the polished blocks (all size fractions) and stereo-microscope images of the unmounted +800 µm and +500 µm fractions were included in the metallurgical report (refer Appendix C: Schulz and others 2022). Figure AD-2 illustrates the nature of mica and sulphide inclusions in the sized schist chips.

FIGURE AD-2: PHOTOMICROGRAPH - SCHIST PARTICLES W/MICA & SULPHIDE INCLUSIONS

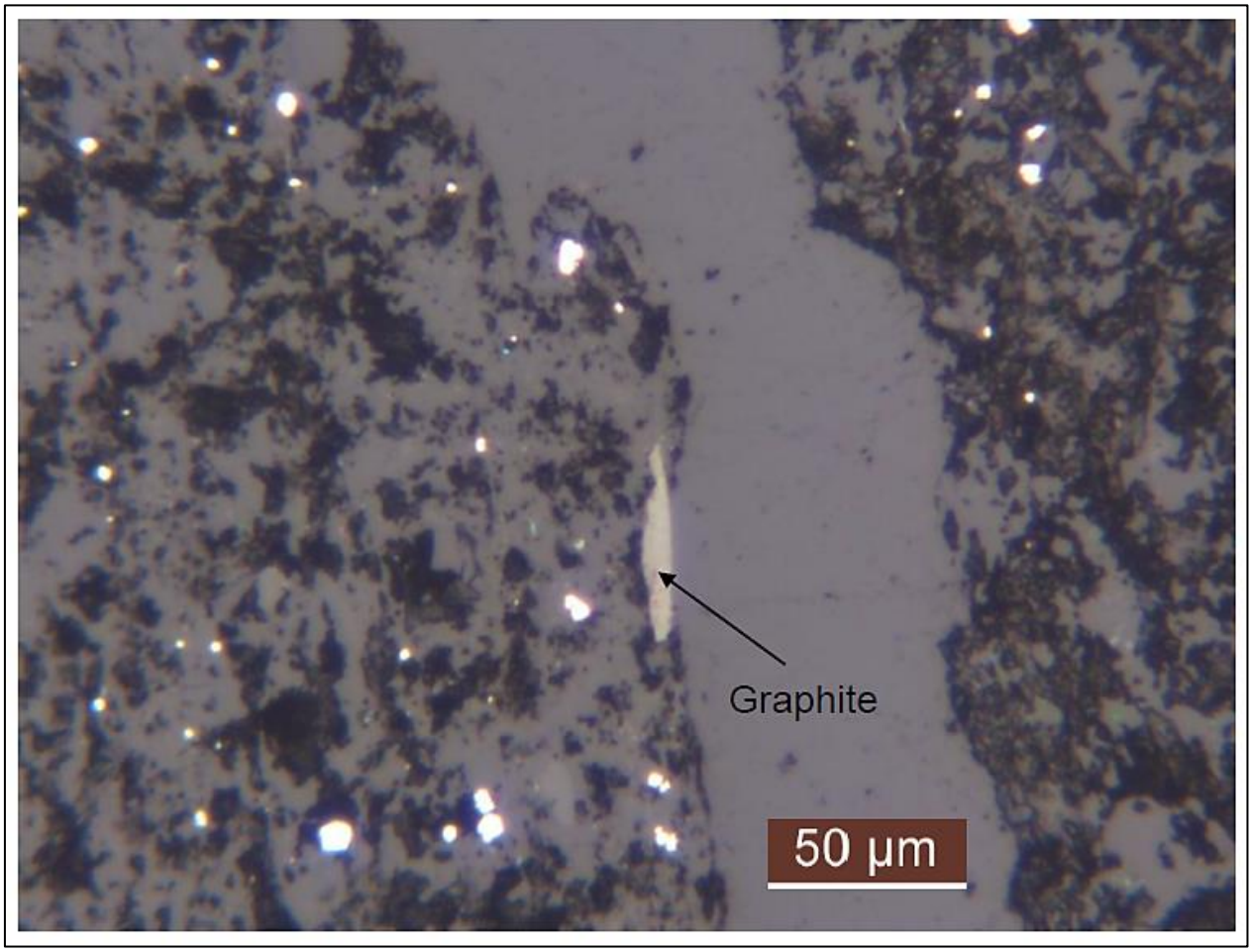


Source: ALS Perth

The presence of graphite was confirmed by the optical investigation. With the chosen settings, graphite particles are identified as creamy white, elongated particles under reflected light. The graphite flakes range in size from a few µm (not positively identifiable by the optical investigation) to about 50 µm in length.

They occur as fine-grained flakes within larger, silicate-rich particles (see Figure AD-3 for an example of the graphite grains).

FIGURE AD-3: GRAPHITE AND SULPHIDE INCLUSIONS WITHIN SCHIST FRAGMENTS



Source: ALS Perth

Graphite sizing and optical analysis

The composite sample supplied to ALS Perth's laboratory was made up as follows:

- AR_002RC: 20m - samples CCZ03231 (64m) to CCZ03247 (84m) from the coarsest fraction saved. This graphite prospect is low grade, but there are large thicknesses (e.g., 56m @ 1.35% TGC and 0.25 g/t Ag in one hole). The field association of the Ag and its relationship to graphite has yet to be resolved. The sulphur and vanadium reporting from assays over the graphite horizons are low.

- The sizing of the supplied RC chips and subsequent testing and optical analysis is given by Table AD-2 below. No further sizing was conducted on the graphite component.

TABLE AD-2: AR_002RC SIZING AND OPTICAL ANALYSIS

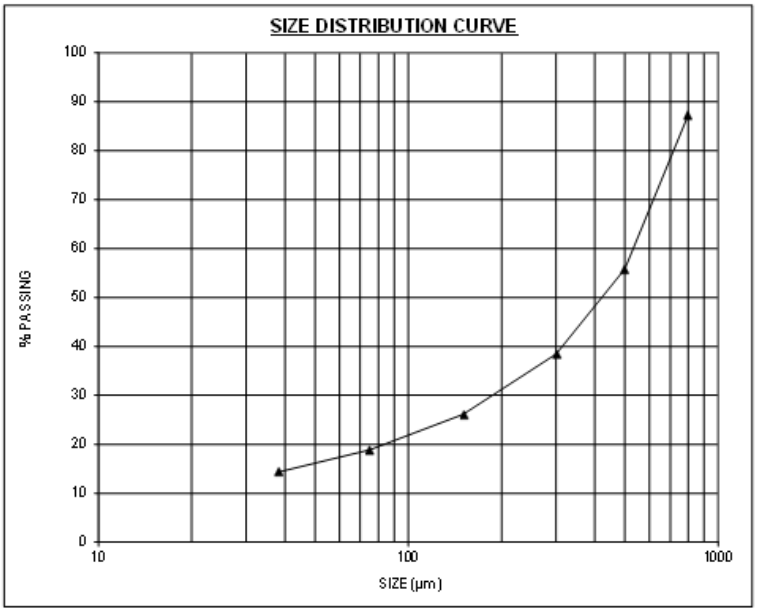
PROJECT	A23397 : Graphite Sizing and Optical Analysis
CLIENT	Castillo Copper Ltd
SAMPLE	Graphite Sample
DATE	Apr-22

SIZE BY SIZE ANALYSIS

Size (µm)	Weight (g)	Weight (%)	Weight % <	Nc425 %	Ag ppm	Distribution - percent Nc425	Distribution - percent Ag
800	125.0	12.7	87.3	1.11	0.15	13.1	12.7
500	311.0	31.5	55.8	0.99	0.15	29.1	31.5
300	171.8	17.4	38.4	1.05	0.15	17.1	17.4
150	121.6	12.3	26.1	1.14	0.15	13.1	12.3
75	71.1	7.2	18.9	1.05	0.15	7.1	7.2
38	44.8	4.5	14.4	1.23	0.15	5.2	4.5
-38	141.8	14.4	0.0	1.14	0.15	15.3	14.4
Calculated Head	987.1	100.0		1.07	0.15	100	100
Measured Head							

Calculated P80 : 730 µm

Half Detection Limit



Note:

1. This sizing distribution is for the whole RC chip composite, not the graphite component.
2. No graphite grains above 50µm in length were detected.

Source: ALS Perth

APPENDIX E: REFERENCES

Anaconda Australia Inc., 1971. Authority to Prospect 791M “Myally”, Queensland. Final Report. QDEX Report number: 3544.

Biggs M.S., 2021, EPM 26525 Hill of Grace – 2021 Arya Drilling and Exploration Program, End of Hitch Report - Drilling, Assay, and Metallurgical Testing Completed, July 2022, unpublished report by ROM Resources for Castillo Copper Limited.

BHP Minerals Pty Ltd, 1997. EPM 11383 (Alsace Camp), 11452 (Epsilon), Combined Annual Report for the Period Ending 19/12/97. QDEX Report number: 29762.

BHP Minerals Pty Ltd, 1998. EPM 11383 (Alsace Camp), 11452 (Epsilon), Combined Annual/Final Report for the Period Ending 19/12/98. QDEX Report number: 30750

CCZ ASX Release – 28 April 2020.

CRA Exploration Pty Limited, 1995. Exploration Report for Minerals No. 9575 “Epsilon”, Queensland. Annual Report for the period ended August 3, 1995. QDEX Report number: 27102.

CRA Exploration Pty Limited, 1996. Exploration Report for Minerals No. 9575 “Epsilon”, Queensland. Third Annual and Final Report for the Period Ending 2 July 1996. QDEX Report number: 28337

GeoResGlobe, 2021, Detailed Geology 1:100,000 layers. https://georesglobe.information.qld.gov.au/ Accessed 2021-Jun-21.

M.I.M Exploration Pty Ltd, 1992a, Exploration Permit for Minerals No. 7863 “Eldorado” Queensland. Annual Report for the 12 months ended April 17, 1992. QDEX Report number: 23661.

M.I.M Exploration Pty Ltd, 1992b “Myally Creek” EPM 7338 and “Lagoon Creek” EPM 7448 Joint Twelve Month Report for Period 18 May 1990 to 18 May 1991 Queensland, Australia. QDEX Report number: 23516.

Mt Isa Metals Ltd, 2010. EPM 15767, Myally Tenement, Annual Report for the Period 5/06/2009 to 4/6/2010. QDEX Report number: 64491.

M.I.M Exploration Pty Ltd, 1993. Exploration Permit for Minerals Nos. 7448 “Lagoon Creek”. Second Annual Report 18 May 1991 to 17 May 1992, Queensland Australia. QDEX Report number: 24523.

Nelson K., 2021, Review of open file EM and magnetic geophysical data at Arya Prospect, GeoDiscovery Group, unpublished confidential report to Castillo Copper Limited, June 2021, 16pp

Pacminex Pty Limited, 1975, Authority to Prospect No. 1494M “Alsace Area”, Queensland. Annual Report. QDEX Report number: 5602.

Queensland Government, 2021. Queensland Geology Detailed Web Map Service: http://qldspatial.information.qld.gov.au/catalogue/custom/search.page?q=solid+geology#

Schulz, M., Liu, J., and de Nooy, D., 2022, MIN5684 (A23397), Castillo Copper Ltd, Graphite Optical Analysis, ALS Metallurgical Services, May 2022, 18pp

Valenta, R., 2018. NW Queensland Mineral Province Deposit Atlas Prototype Report – the Mount Isa and Ernest Henry Deposits. DNRME-GSQ Commissioned study and report.