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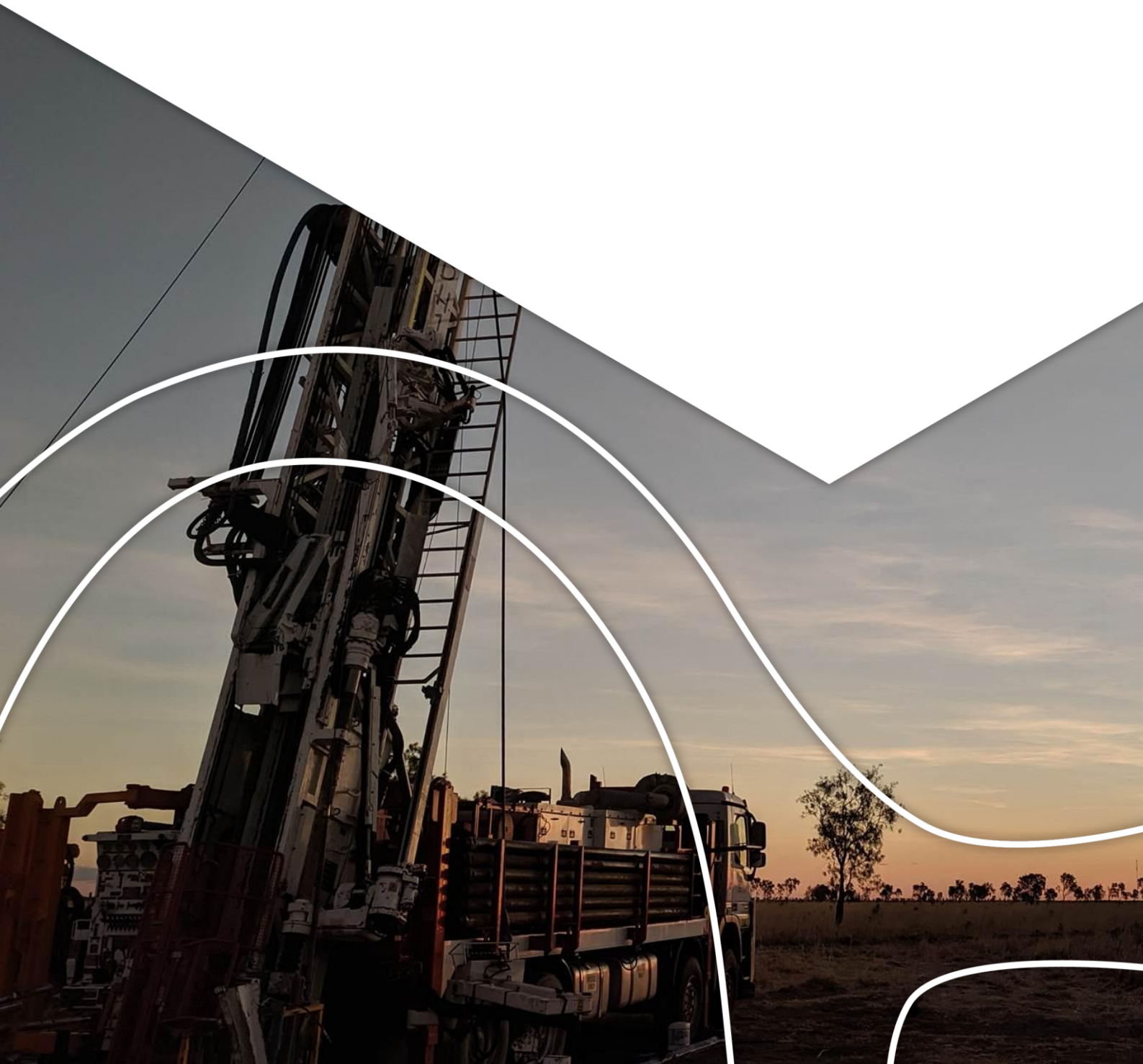
Geochemistry Report for the Dianne Copper Deposit

Dianne Recommencement Project



TECHNICAL REPORT

Geochemistry Report for the Dianne Copper Project

Dianne Recommencement Project

Prepared for Revolver Resources Ltd

Prepared by Noventum Group Pty Ltd

20 February 2025

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Glossary of Terms and Abbreviations

ABA	Acid Based Account. Evaluation of the balance between acid generation acid neutralisation processes. Determines the maximum potential acidity (MPA) and the inherent acid neutralising capacity (ANC) as defined below
ABCC	Acid Buffering Characteristic Curve
AC	Acid Consuming
ALS	Australian Laboratory Services
AMD	Acid and Metalliferous drainage from mine waste materials characterised by low Ph, elevated metal concentrations, high sulphate concentrations and high salinity
ANC	Acid Neutralising Capacity expressed as kg H2SO4 per tonne of sample. A measure a samples maximum potential ability to neutralise acid
ANC:MPA	Acid neutralising capacity to the maximum potential acidity of a sample. Used to assess the risk of a sample generating acid conditions
ANCABCC	Acid Neutralising Capacity in kg H2SO4/t estimated from ABCC testing
ARD	Acid Rock Drainage
AS	Australian standards
EC	Electrical Conductivity, expressed as µS/cm
CRS	Chromium Reducible Sulphur
CaCO3	Calcium Carbonate
CNV	Carbonate Neutralising Value in kg H2SO4/t
eCEC	Effective cation exchange capacity provides a measure of the mass of exchangeable cations (ca, Mg, Na and K) in a sample
Eh	Redox potential. A measure of the tendency of a chemical species to acquire or lose electrons to an electrode. Used to measure oxidising (+ve) or reducing (-ve) conditions in a saturated column
EIS	Environmental Impact Statement
ESP	Exchangeable sodium percentage provides a measure of this sodicity of a material and propensity to erode
EA	Emmerson Aggregate
FCA	Fines Containment Area
FIMS	Flow Injection Mercury System
GAI	Geochemical Abundance Index
ICP-MS	Inductively Coupled Plasma Mass Spectrometry
ICP-AES	Inductively Coupled Plasma Atomic Emissions Spectrometry
INAP	International Network on Acid Prevention
KCl	Potassium Chloride
KLC	Kinetic Leach Column. Leaching set up that generates time dependent data on the kinetics and rate of acid generation and acid neutralising reactions under laboratory controlled (or onsite conditions)
LoR	Limit of Reporting. Laboratory detection limit for the reporting of results for a particular geochemical test
MPA	Maximum Potential Acidity. Calculated by multiplying the total sulphur or sulphide-Sulphur (CRS) content of a sample by 30.6 (stoichiometric factor) and expressed as kg H_2SO_4 per tonne

NAF	Non-Acid Forming. Geo chemical classification criterion for a sample that will not generate acid conditions
NAG	Net Acid Generation (test)
NAGpH	pH of NAG solution before titration
NAPP	Net Acid Producing Potential, expressed as kg H_2SO_4 per tonne. Calculated by subtracting the ANC from the MPA
NMD	Neutral and Metalliferous Drainage
PAF	Potentially Acid Forming. Geo chemical classification criterion for a sample that has the potential to generate acid conditions
PAF-LC	Potentially Acid Forming - Low Capacity
pH	A measure of hydrogen ion (H+) concentration generally; expressed as pH
PSD	Particle Size Distribution
S	Sulphur
SD	Saline Drainage. Water that is elevated in dissolved salts but may have acidic, neutral, or alkaline pH
SO_4^{2-}	Sulphate
Static test	Procedure for characterising the geochemical nature of a sample at a single point in time. Static tests may include measurements of mineral and chemical composition of a sample and the Acid Based Account
TS	Total sulphur content of a sample generally measured using a 'LECO 'analyzer expressed as total sulphur%
UC	Uncertain
w:v	Weight to volume ratio

Unit of Measure

%	Percentage
°C	Degrees Celsius
dS	Deci Siemen
µm	Micrometre
mm	Millimetre
m	Metre
mg	Milligram
M	Million
g	Gram
kg	Kilogram
t	Tonne
L	Litre
ml	Millilitre
SG	Specific Gravity

Other Abbreviations

ALS	Australian Laboratory Services
Project	Dianne Copper Heap Leach Project
ROM	Run-of-Mine

1 Introduction

1.1 Project Description

Noventum Group Pty Ltd (Noventum) was commissioned on behalf of Revolver Resources Limited (Revolver) to complete a staged geochemistry assessment as part of an Environmental Approval Process for the Dianne Recommencement Project (the project)

The project involves the construction and operation of a small open cut copper mine and associated infrastructure on a brownfield site in Cape York, Queensland (Figure 1-1). The Mines peak production rate would be 900 Kt per annum (Ktpa) of run of mine (ROM) copper ore, with a mine life of approximately five (5) years.

Figure 1-1 and Figure 1-2 shows the location of the key project infrastructure and the proposed mine footprint for the recommencement of mining and associated activities at the Dianne Copper Mine mining lease area ("project site"). The following activities are proposed as part of the project development:

- Mining approximately 1.6 Mt of copper ore as a single pit with an approximate depth of 124 m using conventional excavator and truck load and haul methods. A throughput of up to 900,000 tonne per annum of ore will be mined with a target copper recovery rate of 85%.
- Processing ore via crushing, screening, agglomeration and stacking circuits on up to six heap leach pads.
- Heap leaching the copper from the beneficiated ore by irrigating it with acid on High Density Polyethylene (HDPE)-lined pads which will be constructed to contain any runoff from heaps.
- Treating the pregnant liquor (fluid containing copper) by solvent extraction to recycle acid for reuse in the heap leaching process and generate copper-rich electrolyte.
- Using electric circuits to extract sheets of copper on electric cathodes (electrowinning).
- Copper product will be transported via haul trucks to Townsville via road transport.

Overburden waste material will be used in construction, to backfill the pit for final landform design, and remainder placed in an Overburden Stockpile.

Spent Ore material from the leach pads (post processing) will be used to backfill the pit for final landform design where shown this is geochemically suitable, and remainder placed in an overburden stockpile.

Existing waste rock stockpile leftover from historic operations will be reprocessed and align with treatment as spent ore.

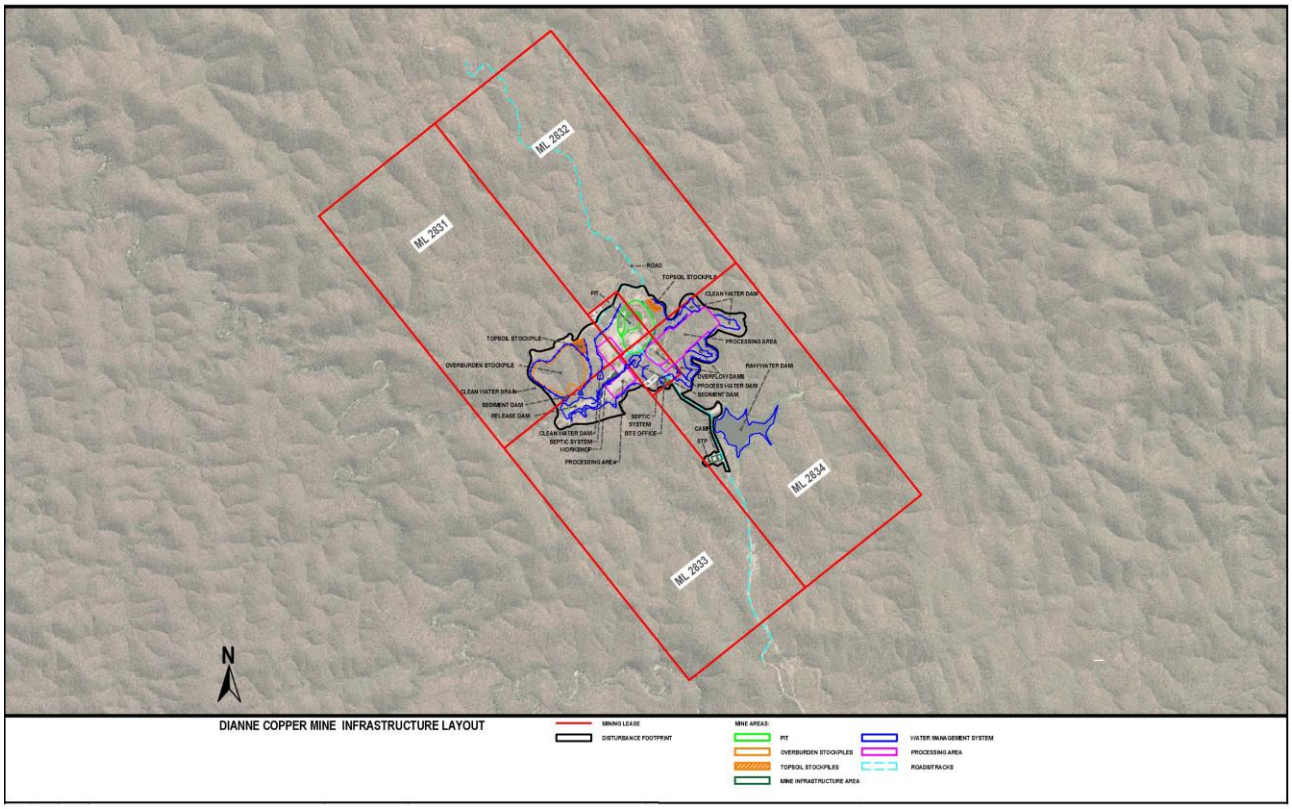

Figure 1-1: Mine Infrastructure Layout

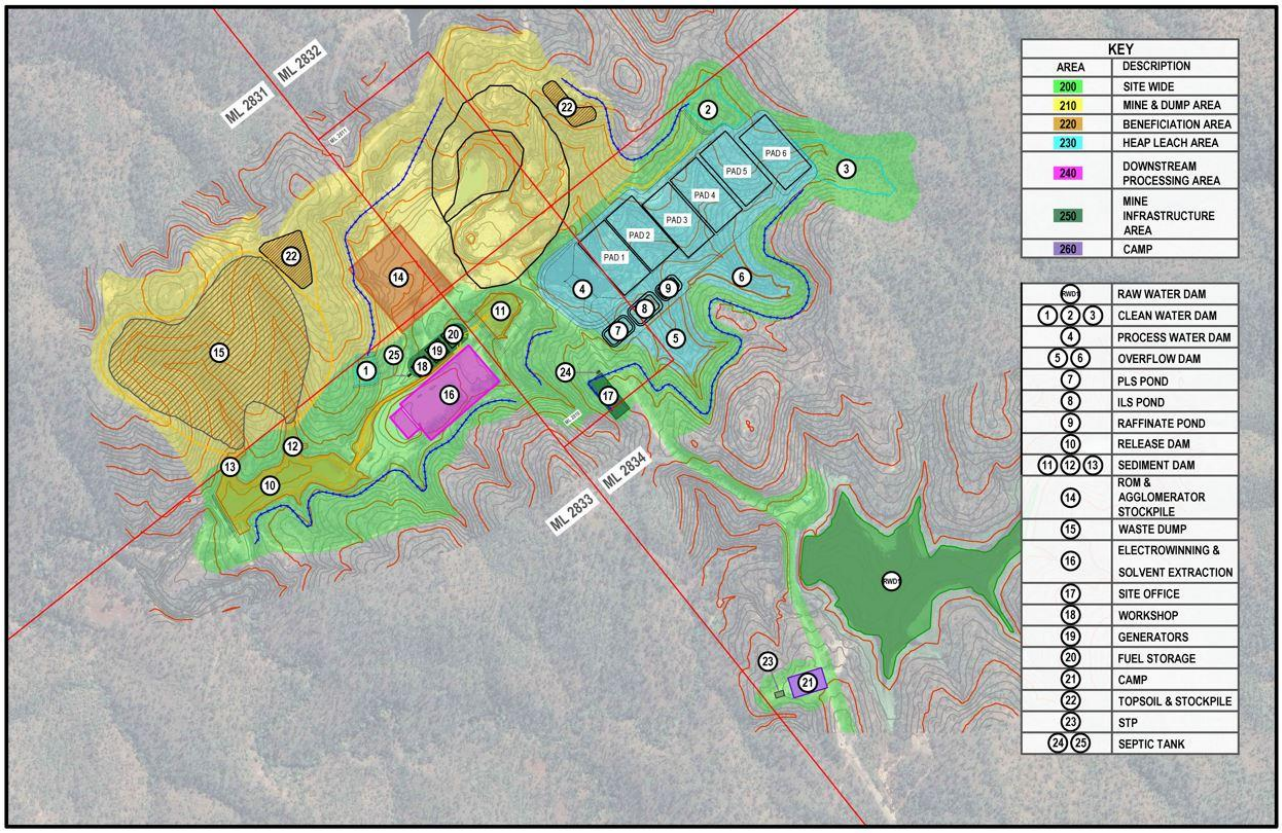

Figure 1-2: Area Layout

1.2 Scope of Works

The main purpose of this study was to complete a preliminary geochemistry assessment of copper ore and waste (overburden) that would be stockpiled during mining operations, consigned to the waste dump, or form part of the back filled material to the pit void.

The assessment work feeds into a more comprehensive program for characterising all waste rock materials prior to the commencement of mining to update the Waste Rock Management Plan and associated Final Landform and Cover Design for the project. This program includes staged geochemistry sampling and test work to estimate the types and quantities of rock with potentially acid forming and acid mine drainage potential. This work is ongoing as of the date of this report.

A preliminary set of data was provided by Revolver. Part of the scope was to evaluate that data, identify knowledge gaps and any environmental risks (and likely magnitude of those risks) associated with the handling and storage or stockpiling of this material. This would allow Noventum to provide further recommendations for waste testing and characterisation in a subsequent round of sampling and laboratory analyses.

The specific scope of this assessment includes:

- Review available geochemical and geological data and existing exploration drilling databases (including plans, drill hole logs, drill core photographs, sample petrography and laboratory assay) relevant to the project.
- Define and quantify the key geological/geochemical Domains for characterisation.
- Design a geochemical assessment program and field sampling specification including sampling and testing requirements for representative samples.
- Coordinate the material sampling program and geochemical analysis programs.
- Geochemically characterise representative samples as far as the data allows; and
- Prepare a Geochemistry Report (this report) identifying any environmental risks related to the geochemistry of the assessed materials.

2 Geology

The Dianne Recommencement Project (the Project) is centred on the historical Dianne copper mine in the Southern Cape York Peninsula, approximately 325km northwest of Cairns. The copper (zinc-sliver-cobalt-gold) deposit was discovered in 1960 with ongoing exploration leading to the development of a small-scale underground and open pit mining operation during 1979-83, followed by further drilling in the 1995-2003 period. The high-grade copper ore was mined from underground and by open cut methods, with production of 69,820 tonnes of direct shipping grade ore assaying between 18-26% Cu and ~ 359 g/t Ag (Queensland Government, 1993).

Mineralisation is hosted by Late Silurian to Late Devonian age, Hodgkinson Formation, a sequence of interbedded phyllitic shales and greywacke on the western limb of a north-northwest plunging syncline which is overturned and dips steeply to the west. Numerous NNE trending diorite dykes occur within a 3 km wide, high strain zone that hosts the mineralisation. The “dykes” are typically moderately sericte-pytite-siderite altered adjacent to the deposit but don’t directly host primary copper mineralization. No genetic link between the copper deposit and the dykes has been demonstrated. However, it is possible the “dykes” originated as a series of subseafloor sills that are temporally related to mineralisation and have subsequently been tectonically rotated into a sub-vertical position during post-mineral folding that has also rotated the massive sulphide lens into the current sub-vertical position.

The Dianne mineralisation is developed as a sub-vertical 0.2 to 7.8 m wide massive sulphide lens. The primary sulphide is dominated by banded pyrite-chalcopyrite-sphalerite and has been interpreted as an epi-genetic

intrusive related body. The main ore lens is broadly north south trending and steeply dipping and separates the eastern and western domain waste zones. The footwall-hanging wall contact, lithologically, is along the contact between thick massive sandstone (footwall, west side) and weak phyllitic slates (hanging wall, east side).

A broad halo of oxide/supergene copper mineralisation (Greenhill Mineralisation) hosted in sandstone with stockwork veining that envelope the massive sulphide lens. The Greenhill domain strikes NNW over 240m and has a 'Y' shape geometry in cross-section with broad low-grade mineralisation (>0.2% Cu) hosted in sandstone at surface most strongly developed to the west of the massive sulphide (Figure 2-1). The mineralisation narrows rapidly, plunging to a depth of 240m following the trend of the massive sulphide mineralisation. The Greenhill mineralisation is dominated by copper carbonates, oxide, supergene sulphides and locally native copper. Malachite-Azurite in the upper portion of the deposit transitions to tenorite dominant in the supergene zone (tenorite commonly logged as chalcocite or black copper oxides).

A series of more intense stacked lenses/zones of veining within the Greenhill halo contain higher-grade mineralisation (Greenhill West) for which sub-domains have been generated at higher 1% and 3% Cu cut-off grades. Higher-grade mineralisation at Greenhill West is steeply dipping (75 degrees) to the NE.

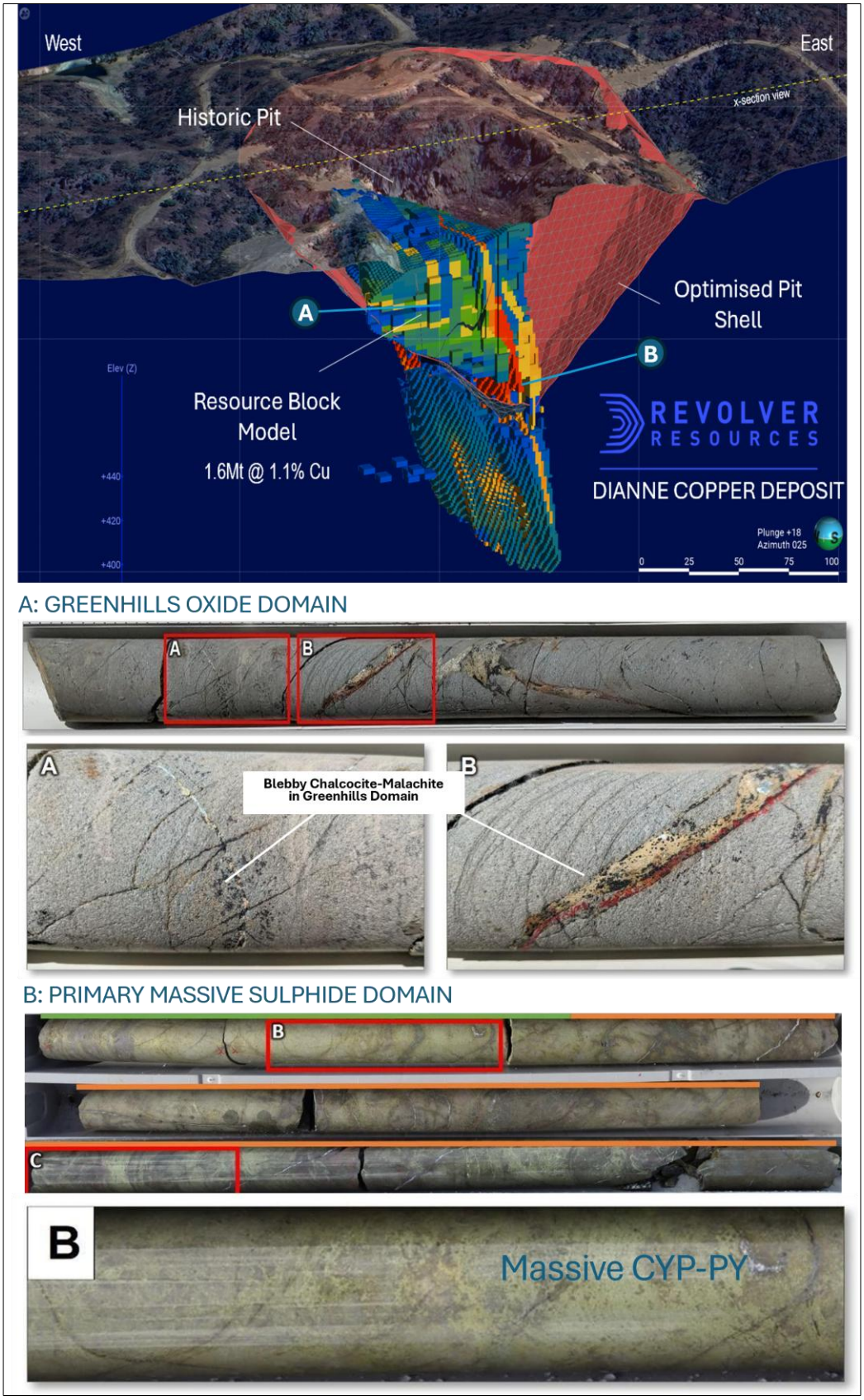

Figure 2-1: 3D Cu block model (above) and example type core for the Greenhills stockwork and Primary MS.

3 Geochemical Assessment Methodology

3.1 Geological Domaining for Waste Rock Characterisation

Geological modelling and an assessment of the nominal pit shell were used to classify a series of domains for waste rock characterisation. In total, ten (10) geological domains have been defined within the nominal pit shell. These include five (5) ore domains and five (5) waste domains (Figure 3-1). The domaining has used copper grade, oxidation state and copper mineral species as the key differentiators.

Table 3-1: Domain classification assigned to the waste rock characterisation assessment

Domain	Basis for Domaining
Ore Domain 1	Main Zone Oxide Ore
Ore Domain 2	Main Zone Transition Ore
Ore Domain 3	Greenhills Supergene Zone Ore
Ore Domain 4	Greenhills Mineralisation Oxide Ore
Ore Domain 5	Greenhills Transition Mineralisation Ore
Waste Domain 1	Eastern Waste Zone
Waste Domain 2	Greenhills Waste (Zinc Zone)
Waste Domain 3	Greenhills Supergene (Unmineralized) Waste
Waste Domain 4	Greenhills Transition (Mineralised) Waste
Waste Domain 5	Western Waste Zone

3.2 Pit Physicals

Individual domains constitute between 1% and 30% of the in-pit material tonnage. A breakdown of the modelled pit material per domain, and the modelled Cu grade of that domain is provided in Table 3-2. Waste domains contribute approximately 2.4Mt of material (roughly 57% of total estimated pit tonnage).

3.3 Main lithologies

A breakdown of total in-pit tonnage based on sample lithology is provided in Figure 3-1 and breakdown per domain is provide in Table 3-3. Approximately 70% of the pit material is logged as sandstone with shale (16%) and siltstone (6%) the other significant lithologies.

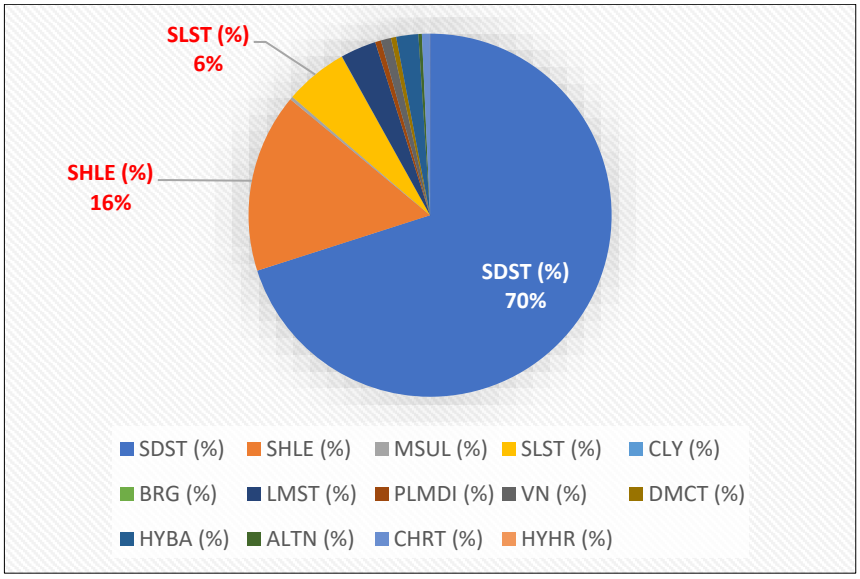

Figure 3-1: Total input tonnage percentage by lithology

There are two main mappable rock types at Dianne, (1) muscovite metasandstone and (2) phyllitic slate. Descriptions of there are as follows:

Muscovite metasandstone (mss), greywacke: Fine to coarse sandstone with >60% subangular to rounded quartz grains, silt to mud matrix, and feldspar, muscovite and probably chlorite. Quartz grains are mainly <1 mm but up to 8 mm or so in the coarser beds. Gradations from more pure sandstone to impure quartzo-feldspathic greywacke. Gritty quartz grain textures and muscovite flecks up to 3 mm are characteristic features. Beds are massive to strongly foliated depending on bed thickness and strain. A crudely spaced diamond (or rhomboidal) parting is common in thicker beds where 1 or 2 cleavages or bedding are repetitively intersecting at an acute angle. Previous workers have called this rock either greywacke, volcanarenite, or tuff.

Phyllitic slate (phy), black shale: Includes metamorphosed shale and mudstone beds with fabrics ranging from shaley-slate to almost schistose in places. Most have a phyllitic sheen and probably include fine graphite, chlorite, muscovite and perhaps biotite (phyllitic slate). These rocks have been called phyllitic mudstones, slates, and shales by previous workers. Some beds are blacker in appearance and mapped as “black shales” (bsh).

3.4 Development Proposal

3.4.1 Open Pit

Pit extents are shown in Figure 3-2 and Figure 3-3.

The largest final placement of waste is approximately 2.06 Mt. Due to the pit's configuration, this backfilling will only begin once mining has been completed. During mining operations, some of this material will be stored temporarily in the out-of-pit waste dump. Pit backfill material will also come from the material used in reshaping the drainage east of the pit and from the construction materials for the heap leach pads and dams.

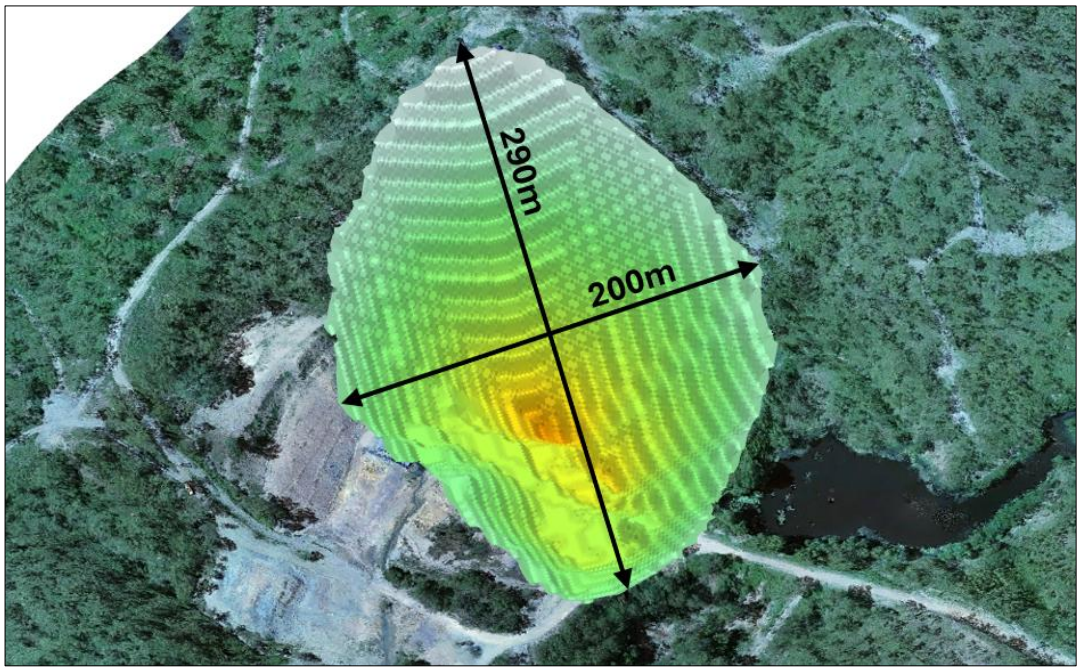

Figure 3-2: Open Pit Extents

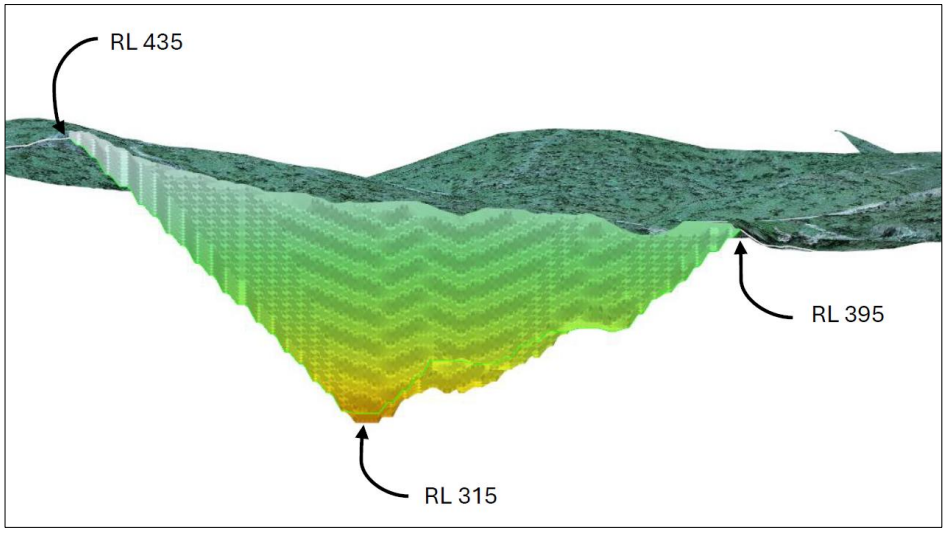

Figure 3-3: Open Pit N-S Section

3.4.2 Waste Dump

Planned mining activities are expected to generate waste rock from two primary activities, the mining of overburden and waste rock, and the heap leaching of oxide and secondary sulphide ore. Any material mined from the pit that is below the ore cutoff grade of 0.20% copper will be classified as waste rock. This material will be used and disposed of in one of the following ways:

- Construction materials;
- Stored in an Out of Pit Waste Rock Dump;
- Temporarily stored until mining ceases and disposed of as backfill in the mined-out pit void.

Of the remaining material, 41% will be used in various pre-production construction activities, 49% will be used to backfill the pit void, and 10% will remain to be stored in the waste dump. There is one Out of Pit Waste Dump planned (WRD) for the Dianne Copper recommencement project which is approximately 280m along west-east and 250m along north-south directions. A final landform design has been completed to determine the ultimate capacity, footprint, and integration into the site water management strategy. The required capacity of the dump is 0.4 Mt after reshaping to final landform, which is 36% of its designed capacity.

3.4.3 Leach Pads

Ore materials (any material identified as Oxide or Secondary Sulphide material above the ore cutoff grade of 0.20% copper), including legacy ore from previous mining operations will be carted to the run of mine pad where it will be crushed and agglomerated. Although the ore is expected to contain a predominance of copper carbonate minerals, there is expected to be a significant copper sulphide fraction.

The agglomerate will then be placed on a HDPE lined pad (heap leach pad) for leaching via a combination of dilute sulphuric acid to dissolve the copper carbonate ore fraction and enable oxidation of the copper sulphide fraction induced by direct bacterial oxidation, and indirect oxidation by ferric sulphate produced by bacterial oxidation of ferrous sulphate. Copper will be leached from the carbonate ore fraction within a time frame of days to a month, whereas the bacteria enabled leaching from the copper sulphide fraction occurs within a time frame of nine to twelve months. The acidic copper rich leachate will be collected and processed in a solvent extraction plant and cathode copper will then be produced from an electrowinning plant.

Leaching of the copper by the above processes will be initiated by irrigating the heap with dilute sulphuric acid solution. Once the copper rich leachate solution has percolated down through the heap it will reach the sub-base or drainage layer that is placed over the entire base of the leach pad. From that point, the residual acidity would be washed from the waste residue prior to emplacement into a waste dump facility.

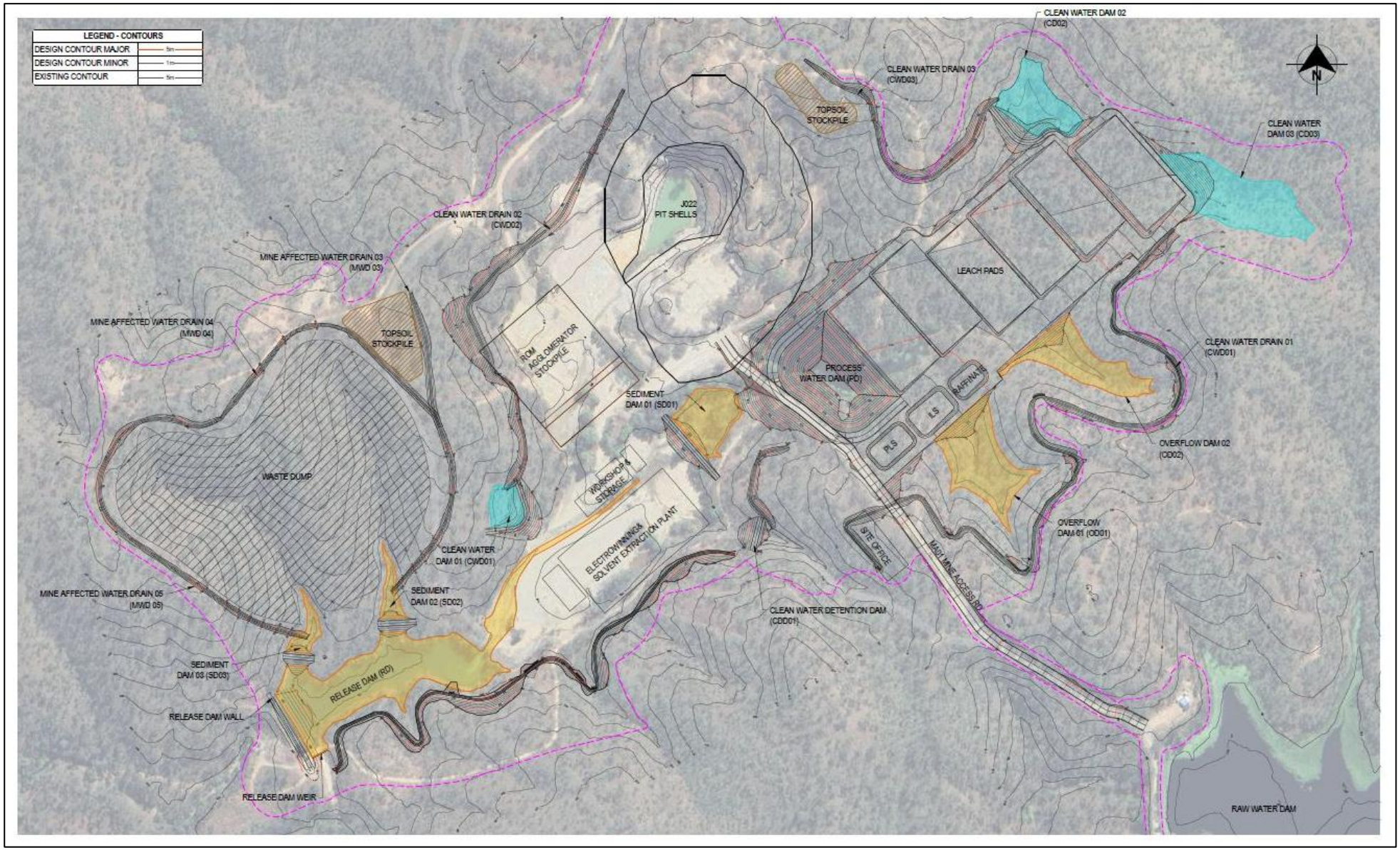

Figure 3-4: Dianne Project Site Layout Plan

Table 3-2: Model break-down of in-pit material tonnages for each classified domain

Unit Type	Domain Type	Volume (m3)	Tonnage	SG	Modelled Cu Grade %	Pit tonnage material (%)	No. of Cu samples
Ore	Main Zone Oxide Ore	62697	174297	2.78	1.89	4%	38
	Main Zone Transition Ore	18896	61036	3.23	8.09	1%	35
	Greenhills Supergene Zone Ore	490076	1254594	2.56	0.4	30%	142
	Greenhills Mineralisation Oxide Ore	61360	150332	2.45	1.4	4%	89
	Greenhills Transition Mineralisation Ore	46925	119190	2.54	3.82	3%	19
Waste rock	Eastern Waste Zone	447960	1196053	2.67	0.0001	29%	127
	Greenhills Waste (Zinc Zone)	23327	59484	2.55	0.16	1%	13
	Greenhills Supergene (Unmineralized) Waste	305040	793104	2.6	0.08	19%	173
	Greenhills Transition (Mineralised) Waste	40375	100937	2.5	0.12	2%	46
	Western Waste Zone	89238	241835	2.71	0.0001	6%	76
Legacy stockpile			100171				
Pit Total			4150862			100%	

Table 3-3: Breakdown of sample composition (lithology) of each domain

Summary Domain	Lithology													
	SDST (%)	SHLE (%)	MSUL (%)	SLST (%)	CLY (%)	BRG (%)	LMST (%)	PLMDI (%)	VN (%)	DMCT (%)	HYBA (%)	ALTN (%)	CHRT (%)	HYHR (%)
Eastern Waste Zone	41.0	35		12	<0.5	<0.5	11	<0.5						
Western Waste Zone	86.9	12.8	0.0											
Greenhills Mineralised Waste (Zinc Zone)	88.8	11.2												
Greenhills Supergene Unmineralized Waste	82.7	7.9		1.8				2.7	1.4	<0.5	3.4			
Greenhills Transitional Waste	77.2	21.8		0.7								0.3		
Main Zone Oxide Ore	13.8	18.5		17.3					1.4	9.7	24.7		15.1	
Main Zone Transitional Ore	11.1	21	18.2	23.5								17.6	5.0	
Main Zone Primary Zone	35	26.7	25										13.3	
Greenhills Mineralisation Oxide Ore	71.8	14.1		5.7					8.4					
Greenhills Supergene Mineralised Ore	93	4.1		0.9					0.9	0.2	0.9			0.1
Greenhills Transitional Ore	88.8	1.6		8.1								1.5		

Notes: SDST – Sandstone; SHLE – Shale; MSUL – Massive Sulphide; SLST – Siltstone; CLY – Clay; BRG – Breccia; LMST – Limestone; PLMDI – Monzodiorite; VN – Vein; DMCT – Diamictite; HYBA – Hypabyssal basalt; ALTN – Altered; CHRT – Chert; HYHR – Hypabyssal rhyolite

3.5 Domain Sampling Strategy

For the geochemical assessment sample intervals were selected from ten (10) diamond cored (HQ3, HQ, and NQ3 core size) exploration holes drilled in the 2021 (21DMDD01, 21DMDD02, 21DMDD04A, 21DMDD05), 2022 (22DMDD07, 22DMDD09, 22DMDD14, 22DMDD15, 22DMDD17) and 2023 (23DMDD21) drilling campaigns. The drill holes targeted a representative distribution of copper ore and waste materials through each of the defined ore and waste domains. All drill cores were logged and sampled in appropriate detail by a suitably qualified geologist and all drill core is retained on site and available for review.

From these drill-holes continuous sampling intervals were selected based on the material type (waste rock or low-grade ore) and lithology, where each interval represented materials of discrete material type and lithology.

The representative sample intervals selected for multi-element and sequential copper analysis and tabulated against domain and oxidation state and are presented in Table 3-4. In total, 761 samples within 136 sample intervals for 723.5 drill metres (downhole length) were selected for multi-element analysis. A large sub-set of those samples totalling 557 samples over 113 sample intervals for 533 drill metres (downhole length) were selected for additional sequential copper leach test work.

3.6 Geochemical Sample Analysis

3.6.1 Multi-element Laboratory Test Work

A total of 761 samples were selected across 136 sample intervals spread throughout the ten (10) Domains for multi-element geochemistry characterisation. Drill samples collected by RRR in the 2021-2023 drill campaigns were assayed by Australian Laboratory Services (ALS) in Townsville. Assaying included 30 g fire assay with AA finish (Lab Code Au-AA25) for Au and a 33-element suite (Ag, Al, As, Au, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, Tl, U, V, W, Zn) with near-total four acid digest and ICP-AES finish (Lab Code ME-ICP61). Assays for Cu and Zn > 10,0000 ppm were re assayed with Ore grade analysis (Lab Code OG62).

Table 3-4: Geochemical and Sequential Cu leach sample selection per waste and ore domain

Category	Domain	Hole ID	From (m)	To (m)	Int (m)	Oxidation State	ME	SC
Waste	Eastern Waste Zone	21DMDD04A	38	39	1	Oxide	✓	
			47.9	52.4	4.5	Oxide	✓	
			56	60	4	Oxide	✓	
			78	79	1	Oxide	✓	
			91.4	96.4	5	Trans	✓	
		21DMDD05	22	26	4	Oxide	✓	
			35	48	13	Oxide	✓	
			82	90	8	Oxide	✓	
			123	131	8	Trans	✓	
			178	180	2	Trans	✓	
			180	185	5	Primary	✓	
		22DMDD09	107.6	125	17.4	Trans	✓	
		22DMDD14	7	51.5	44.5	Oxide	✓	
		23DMDD21	86	93	7	Trans	✓	✓
	Western Waste Zone	21DMDD01	58.1	65	6.9	Oxide	✓	✓
			67.5	68.5	1	Oxide	✓	
			71	74	3	Oxide	✓	
		21DMDD02	54	57.8	3.8	Oxide	✓	✓

		21DMDD05	185	192	7	Primary	✓	
		21DMDD07	44	47	3	Oxide	✓	✓
		21DMDD14	89	111	22	Trans	✓	
		21DMDD15	82	83	1	Trans	✓	✓
		21DMDD17	37	54	17	Oxide	✓	37 - 46
			58	69	11	Oxide	✓	
	GH Mineralised Waste (Zinc Zone)	21DMDD01	63	64	1	Oxide	✓	✓
		21DMDD02	50	54	4	Oxide	✓	✓
		21DMDD07	41	44	3	Oxide	✓	✓
		21DMDD15	58	60	2	Oxide	✓	✓
		21DMDD17	29	31	2	Oxide	✓	✓
	GH Supergene Unmineralised Waste	21DMDD01	26	28	2	Oxide	✓	✓
			28.3	31	2.7	Oxide	✓	✓
			34	38	4	Oxide	✓	✓
			44.4	46	1.6	Oxide	✓	✓
		21DMDD07	2	7	5	Oxide	✓	✓
			8	11	3	Oxide	✓	✓
			13	39	26	Oxide	✓	✓
			40	41	1	Oxide	✓	✓
		22DMDD09	0	0.9	0.9	Oxide	✓	✓
			1.6	6	4.4	Oxide	✓	✓
			7.6	15	7.4	Oxide	✓	✓
			47	48	1	Oxide	✓	✓
		22DMDD14	51.5	54.91	3.41	Oxide	✓	
			54.91	56.03	1.12	Oxide	✓	✓
			56.98	60	3.02	Oxide	✓	✓
			60	63	3	Oxide	✓	
			63	68	5	Oxide	✓	✓
			70	78	8	Oxide	✓	✓
		22DMDD15	5	7	2	Oxide	✓	✓
			19	20	1	Oxide	✓	✓
			24	25	1	Oxide	✓	✓
			29	30	1	Oxide	✓	✓
			40	45	5	Oxide	✓	✓
			46	50	4	Oxide	✓	✓
			51	58	7	Oxide	✓	✓
			60	68.4	8.4	Oxide	✓	✓
			69	70	1	Oxide	✓	✓
			71	78	7	Oxide	✓	✓
			80	81	1	Oxide	✓	✓
		22DMDD17	32	34	2	Oxide	✓	✓
		23DMDD21	0	39.95	39.95	Oxide	✓	✓
			54.5	55	0.5	Oxide	✓	✓
			59.4	60.2	0.8	Oxide	✓	✓
	GH Transitional Waste	21DMDD04A	103.82	114	10.18	Trans	✓	✓
			104.5	114		Trans		
		22DMDD09	63	66	3	Trans	✓	✓

			71	80	9	Trans	✓	✓
			81	83.8	2.8	Trans	✓	✓
			85	87	2	Trans	✓	✓
			88	96	8	Trans	✓	✓
		22DMDD14	78	89	11	Trans	✓	
		23DMDD21	85	86	1	Trans	✓	✓
Ore	Main Zone Oxide Ore	22DMDD14	68	68.78	0.78	Oxide	✓	✓
		22DMDD09	40.7	54	13.3	Oxide	✓	✓
		23DMDD21	61.4	73	11.6	Oxide	✓	✓
	Main Zone Transitional Ore	21DMDD04A	96.4	103.5	7.1	Trans	✓	✓
			108	109	1	Trans	✓	
		22DMDD09	96	102	6	Trans	✓	✓
		23DMDD21	73	84	11	Trans	✓	✓
	Main Zone Primary Ore	21DMDD05	187.6	188.2	0.6	Primary	✓	
	GH Mineralisation Oxide Ore	21DMDD01	14	16	2	Oxide	✓	✓
			24.5	25.5	1	Oxide	✓	✓
			31	34	3	Oxide	✓	✓
			46	47.85	1.85	Oxide	✓	✓
			54	58.1	4.1	Oxide	✓	✓
		21DMDD02	9	11	2	Oxide	✓	✓
			21	24	3	Oxide	✓	✓
			30	34.8	4.8	Oxide	✓	✓
			38	44.1	6.1	Oxide	✓	✓
			47	50	3	Oxide	✓	✓
		21DMDD09	16	38	22	Oxide	✓	✓
			48	56	8	Oxide	✓	✓
			56	58.2	2.2	Trans	✓	✓
		22DMDD17	2	8	6	Oxide	✓	✓
			11	22	11	Oxide	✓	✓
			23	24	1	Oxide	✓	✓
	GH Supergene Mineralised Ore	21DMDD01	0	1.8	1.8	Oxide	✓	✓

Note: ME = multielement analysis completed; SC = sequential copper analysis completed.

A breakdown of the sample spread by oxidation state is presented in Table 3-5. The total waste material tonnage within the pit (based on sample interval statistics) comprises 76% oxide material, 23% transitional material and 1% primary material. The waste material comprises oxidised sandstone, with lesser oxidised siltstone and shale.

The total ore material tonnage within the pit (based on sample interval statistics) comprises 90% oxide material, 10% transitional material and 0% primary material. The ore material largely comprises Greenhills oxide, supergene and transitional domains, which comprise largely oxidised sandstone host lithology.

Table 3-5: Breakdown of sample distribution of oxide, transitional and primary compositions of each domain.

Summary Domain	Material		
Waste	**Oxide**	**Transitional**	**Primary**
Eastern Waste Zone	68%	32%	0%
Western Waste Zone	60%	30%	10%
Greenhills Mineralised Waste (Zinc Zone)	100%	0%	0%
Greenhills Supergene Unmineralized Waste	100%	0%	0%
Greenhills Transitional Waste		100%	
Ore			
Main Zone Oxide Ore	100%	0%	0%
Main Zone Transitional Ore	0%	100%	0%
Main Zone Primary Ore	0%	0%	100%
Greenhills Mineralisation Oxide Ore	97%	3%	0%
Greenhills Supergene Mineralised Ore	100%	0%	0%
Greenhills Transitional Ore	0%	100%	0%

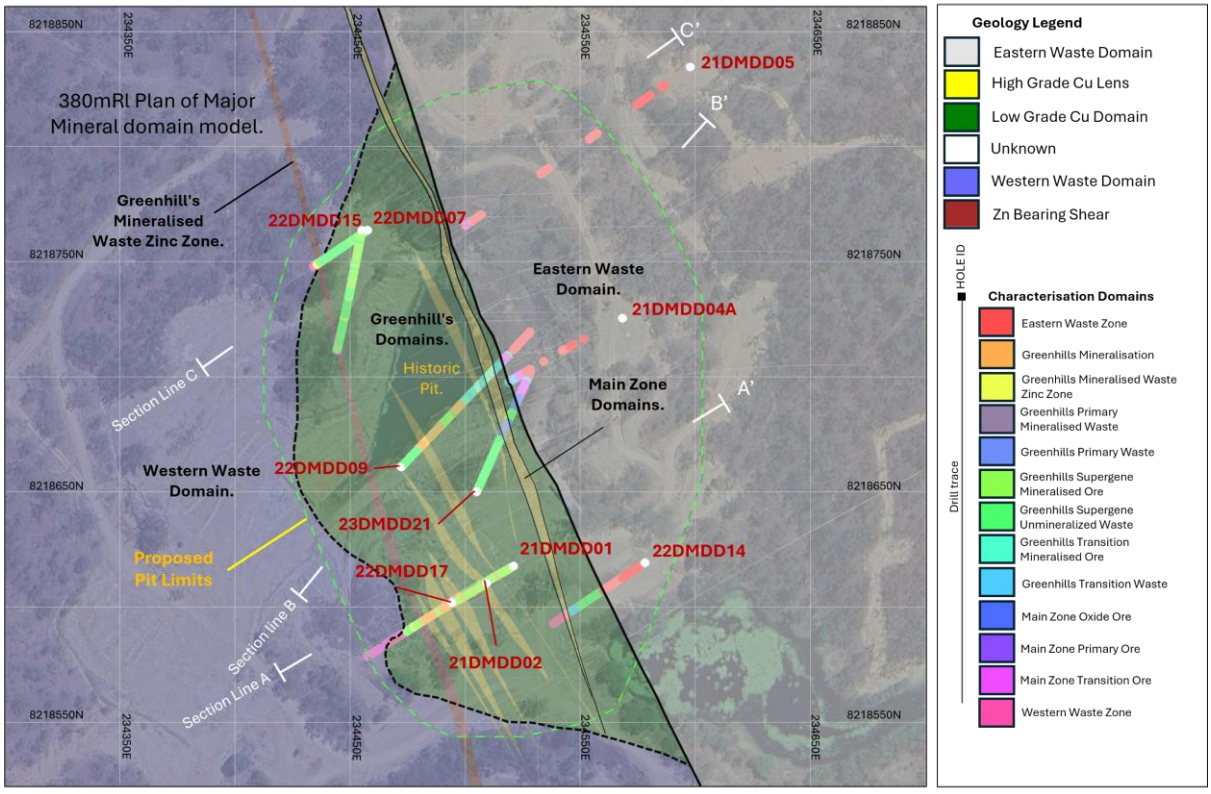

Figure 3-5: Geology plan with selected drill sections and samples against modelled domains

3.6.2 Sequential Copper Analysis

557 samples were selected from the retained assay pulps from the multi-element laboratory test work to be further assessed for sequential copper recovery test work at ALS laboratories in Townsville. The samples were assayed for Total Copper (Lab Code: CuT-PH06c), citric acid soluble copper (Lab Code: CuC-PH6) sulphuric acid soluble copper (Lab Code: CuS-PH06c), sodium cyanide soluble copper (Lab Code: CuCN-PH06c) and Residue Total Copper (Lab Code: CuR-PH06c).

3.6.3 Metallurgical Test Work

Sighter Metallurgical Test work was undertaken at CORE Resources Metallurgical Laboratory in their Brisbane Facility on three, 15-86 kg composite samples based on dominant copper mineralogy and oxidation status: primary sulphide, supergene sulphide, and oxide. The test work program was undertaken to assess processing viability and recovery from representative composite samples of principal types of copper mineralization in the Dianne Massive Sulphide and Greenhill copper oxide deposit.

Primary and Supergene composites were comprised of intervals of ¼ diamond drill core from two (2) diamond holes (22DMDD03 and 22DMDD09) drilled in 2022. The oxide composite was comprised of coarse reject material from diamond drill holes 21DMDD01 and 21DMDD02, drilled as part of the 2021 drill program.

Sample intervals were selected based on logged copper mineralogy and Cu assays, to reflect the mineralogy and grade like the resource. Statistical analysis was used to determine the relative proportions of the mineralised groups within the oxide ore zone. The weight of coarse reject material to be used from samples of each mineralisation group was calculated to be proportional to the representation of the ore zone by each mineralisation group. Samples were selected so that the average grade of each mineralisation group and the combined metallurgical composite was representative of the weighted average Cu % of the ore zone. For the supergene and sulphide composites, all intervals supplied to CORE were combined to form the two composites tested.

Head assay, X-ray Diffraction (XRD) and Mineral Liberation Analysis (MLA) of the metallurgical samples were also completed to identify the main economic and gangue mineralogy.

The sample composites are provided in Table 3-6, Table 3-7 and Table 3-8.

3.6.4 Column Leach Kinetics

Kinetic Leach Column (KLC) tests were set up at the Brisbane Met Labs (BML) in-house laboratory using large composite samples provided by Revolver Resources. The composites were based on 180 samples, representing approximately 450 kg of material. The tests are being operated under free-draining and saturated conditions. Test work is being undertaken on four (4) four-metre-high leach columns (150mm diameter) operating under a monthly watering and leaching cycle for a six-month period, irrigated with an acidic lixiviant to determine the copper metal recovery under heap leach conditions.

Each column contains approximately 85 kg of ore material. Two columns consisted of straight Greenhills oxide/supergene ore, while the other two columns were a composite of oxide/supergene and transitional (Primary Sulphide/SCL) ores. Preliminary testing of specific characteristics such as mineralogy, acid consumption, particle size distribution and abrasion index was initially carried out to provide data and design criteria for Front-End Engineering Design (FEED). These results also provided the inputs to the subsequent leaching testwork program that has been undertaken

Columns 2 and 4 have leached to completion and the results displayed have been finalised based on the information provided by BML. Columns 1 and 3 are still under irrigation, and the results displayed have been generated from the results provided at the time of reporting.

The sample composites for column leach testing are provide in Appendix I.

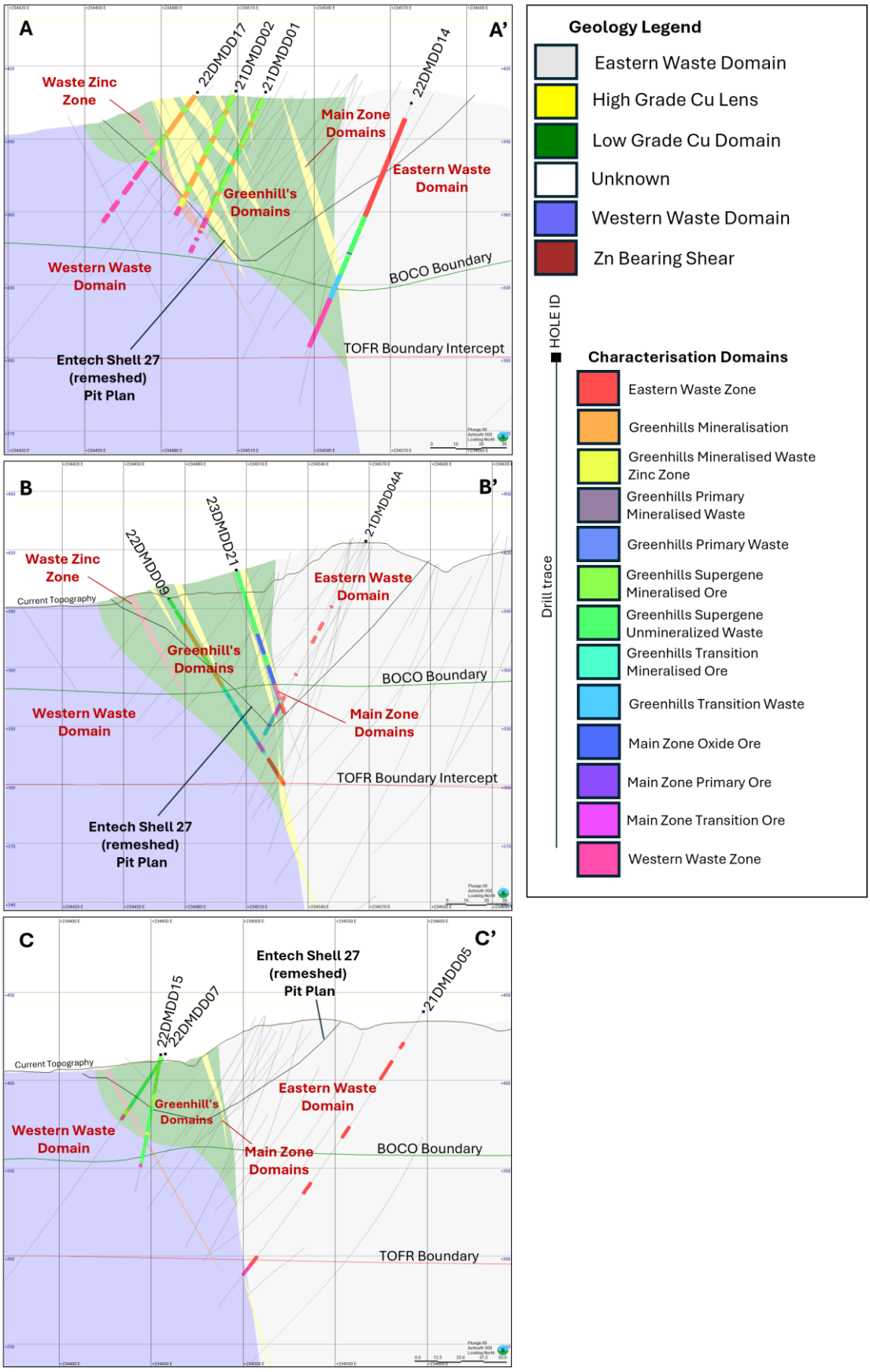

Figure 3-6: Modelled sections through the Dianne deposit highlighting samples in drill section through key domains.

Table 3-6: Metallurgical Sample Composite details – Greenhills Oxide Ore

Hole number	From	To	Length	Sample Number	Mineralisation Group	Oxidation	Cu (ppm)	Weighted Cu (ppm)	Actual Sample weight (g) for MET	Fraction Split	Assigned Domain
21DMDD01	9	10	1	181912	AZU-MAL-TNR	Oxide	3010	637	660	1/4	Greenhills Supergene Mineralised Ore
21DMDD01	14	15	1	181917	AZU-MAL-TNR	Oxide	7230	813	350	1/8	Greenhills Mineralisation Oxide Ore
21DMDD01	16	17	1	181921	AZU-MAL-TNR	Oxide	5180	589	354	1/8	Greenhills Supergene Mineralised Ore
21DMDD01	24	24.5	0.5	181931	CUP (CC)	Oxide	8110	1176	346	1/4	Greenhills Supergene Mineralised Ore
21DMDD01	25	25.5	0.5	181933	CUP (CC)	Oxide	10500	1209	275	1/4	Greenhills Mineralisation Oxide Ore
21DMDD01	28	28.3	0.3	181937	NCU-CC	Oxide	8830	1769	477	1	Greenhills Supergene Mineralised Ore
21DMDD01	32	32.5	0.5	181945	NCU-CC	Oxide	3890	1101	674	1/2	Greenhills Mineralisation Oxide Ore
21DMDD01	33	33.6	0.6	181947	NCU-CC	Oxide	10750	3539	784	1/2	Greenhills Mineralisation Oxide Ore
21DMDD01	33.6	34	0.4	181949	NCU-CC	Oxide	5550	1041	447	1/2	Greenhills Mineralisation Oxide Ore
21DMDD01	36.5	37	0.5	181954	CC	Oxide	1450	1450	1743	1	Greenhills Supergene Unmineralised Waste
21DMDD01	38	39	1	181956	CUP (CC)	Oxide	4780	766	382	1/8	Greenhills Supergene Mineralised Ore
21DMDD01	41	42	1	181959	CUP (CC)	Oxide	7050	862	292	1/8	Greenhills Supergene Mineralised Ore
21DMDD01	42	43	1	181961	CUP (CC)	Oxide	4730	671	338	1/8	Greenhills Supergene Mineralised Ore
21DMDD01	43.5	44	0.5	181963	CUP (CC)	Oxide	9720	1092	268	1/4	Greenhills Supergene Mineralised Ore
21DMDD01	45	46	1	181968	CUP (CC)	Oxide	1595	138	206	1/8	Greenhills Supergene Unmineralised Waste
21DMDD01	50	51	1	181974	CUP	Oxide	7410	1934	732	1/4	Greenhills Supergene Mineralised Ore
21DMDD01	57.1	58.1	1	181982	NCU-CUP	Oxide	30200	4082	183	1/8	Greenhills Mineralisation Oxide Ore
21DMDD01	58.1	59	0.9	181983	NCU-CUP	Oxide	1345	224	226	1/8	Western Waste Zone
21DMDD01	60.1	60.9	0.8	181986	NCU-CUP	Oxide	1745	438	340	1/4	Western Waste Zone
21DMDD02	0	1	1	181999	CUP (TNR-MAL)	Oxide	4950	743	872	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	3	4	1	182003	CUP (TNR-MAL)	Oxide	7510	814	629	1/4	Greenhills Supergene Mineralised Ore
21DMDD02	5	6	1	182005	CUP (TNR-MAL)	Oxide	7800	1234	918	1	Greenhills Supergene Mineralised Ore
21DMDD02	9	10	1	182010	CUP (TNR-MAL)	Oxide	2810	280	578	1/4	Greenhills Mineralisation Oxide Ore
21DMDD02	12	13	1	182013	AZU-MAL-TNR	Oxide	5600	1031	574	1/4	Greenhills Supergene Mineralised Ore
21DMDD02	13	13.7	0.7	182014	AZU-MAL-TNR	Oxide	14200	3415	750	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	15.7	17	1.3	182018	AZU-MAL-TNR	Oxide	10700	1471	428	1/8	Greenhills Supergene Mineralised Ore
21DMDD02	25	26	1	182030	CUP (TNR-MAL)	Oxide	5960	707	689	1/4	Greenhills Supergene Mineralised Ore
21DMDD02	26	27	1	182031	CUP (TNR-MAL)	Oxide	11820	1442	706	1/4	Greenhills Supergene Mineralised Ore
21DMDD02	28	29	1	182034	CUP (TNR-MAL)	Oxide	9940	1163	679	1/4	Greenhills Supergene Mineralised Ore
21DMDD02	32.3	32.6	0.3	182041	CUP (TNR-MAL)	Oxide	8660	1094	733	1	Greenhills Mineralisation Oxide Ore
21DMDD02	33	34.3	1.3	182043	CC-MAL	Oxide	9830	2723	432	1/8	Greenhills Mineralisation Oxide Ore
21DMDD02	34.8	36	1.2	182045	CC-MAL	Oxide	9620	2685	436	1/8	Greenhills Supergene Mineralised Ore
21DMDD02	36	37	1	182046	CC-MAL	Oxide	7360	1529	324	1/8	Greenhills Supergene Mineralised Ore
21DMDD02	37	38	1	182047	CC-MAL	Oxide	11150	2634	369	1/8	Greenhills Supergene Mineralised Ore
21DMDD02	40	41	1	182052	CUP (CC)	Oxide	13000	1516	278	1/8	Greenhills Mineralisation Oxide Ore
21DMDD02	42.8	43.6	0.8	182055	CUP	Oxide	12550	3692	825	1/2	Greenhills Mineralisation Oxide Ore
21DMDD02	44.1	45	0.9	182057	CUP	Oxide	7250	1738	672	1/4	Greenhills Supergene Mineralised Ore
21DMDD02	45	46	1	182058	CUP	Oxide	2550	523	575	1/4	Greenhills Supergene Mineralised Ore
21DMDD02	47	48	1	182060	NCU-CUP	Oxide	7230	1632	305	1/8	Greenhills Mineralisation Oxide Ore
21DMDD02	48	49	1	182061	NCU-CUP	Oxide	3900	864	300	1/8	Greenhills Mineralisation Oxide Ore

Table 3-7: Metallurgical Sample Composite details – Main Zone Primary Ore

Hole ID	Sample ID	From	To	Sample type	Sample weight	Lithology	Ag ppm ME-ICP61	Au ppm Au-AA25	Cu % Cu-OG62	Pb ppm ME-ICP61	S % S-OG62	Zn % Zn-OG62	Assigned Domain
21DMDD03	182117M	145.95	146.5	1/4 CORE	1254	Massive Sulphide	61.1	0.17	9.06	101	39.3	1.585	Main Zone Primary
21DMDD03	182118M	146.5	147.3	1/4 CORE	2461	Massive Sulphide	28.2	0.13	4.49	111	43.2	2.82	Main Zone Primary
21DMDD03	182120M	147.3	147.85	1/4 CORE	1518	Massive Sulphide	30	0.14	4.97	186	41	10.35	Main Zone Primary
21DMDD03	182121M	147.85	148.45	1/4 CORE	1705	Massive Sulphide	65	0.06	13.4	114	39.8	1.51	Main Zone Primary
21DMDD03	182122M	148.45	149.1	1/4 CORE	1940	Massive Sulphide	32	0.14	3.48	277	45.8	4.72	Main Zone Primary
21DMDD03	182123M	149.1	149.5	1/4 CORE	1358	Massive Sulphide	52	0.21	8.01	450	39.1	13.7	Main Zone Primary
21DMDD03	182124M	149.5	150	1/4 CORE	1073	Massive Sulphide	48.4	0.23	6.65	377	41.6	11.1	Main Zone Primary
21DMDD03	182125M	150	150.5	1/4 CORE	1230	Massive Sulphide	39.5	0.3	5.67	295	41.5	11.75	Main Zone Primary
21DMDD03	182126M	150.5	151	1/4 CORE	1259	Massive Sulphide	21.6	0.17	2.89	461	40.5	17.15	Main Zone Primary
21DMDD03	182127M	151	151.5	1/4 CORE	1520	Massive Sulphide	18.4	0.27	1.54	345	44	11.45	Main Zone Primary
21DMDD03	182128M	151.5	152	1/4 CORE	1518	Massive Sulphide	19.9	0.15	1.695	229	44.2	2.24	Main Zone Primary
21DMDD03	182131M	152	152.5	1/4 CORE	1445	Massive Sulphide	17.4	0.14	1.55	209	43.2	11.2	Main Zone Primary
21DMDD03	182133M	152.5	152.9	1/4 CORE	1032	Massive Sulphide	52.5	0.15	7.84	190	41	5.1	Main Zone Primary
					19313g								

Note: Pyrite (60%) - Chalcopyrite (25%) - Sphalerite (15%)

Table 3-8: Metallurgical Sample Composite details – Main Zone Transitional Ore

Hole ID	Sample ID	From	To	Sample type	Sample weight	Ag ppm ME-ICP61	Au ppm Au-AA25	Cu % Cu-OG62	Pb ppm ME-ICP61	S % S-OG62	Zn % Zn-OG62	Assigned Domain
21DMDD09	182578M	96.55	97	1/4 CORE	1220	42	0.3	24.4	157	34.7	4010	Main Zone Transitional
21DMDD09	182579M	97	97.5	1/4 CORE	1424	35.4	0.31	19	118	39.9	1160	Main Zone Transitional
21DMDD09	182580M	97.5	98	1/4 CORE	1937	23.6	0.29	16.45	111	43.1	20600	Main Zone Transitional
21DMDD09	182581M	98	98.5	1/4 CORE	1055	11.6	0.3	9.04	73	44.1	4870	Main Zone Transitional
21DMDD09	182582M	98.5	99	1/4 CORE	1652	20.4	0.35	7.69	103	43.5	2740	Main Zone Transitional
21DMDD09	182583	99	99.5	1/4 CORE	1654	17.8	0.25	6.1	92	43.3	350	Main Zone Transitional
21DMDD09	182584	99.5	100	1/4 CORE	1439	16.6	0.27	6.38	97	42.7	1470	Main Zone Transitional
21DMDD09	182585M	100	100.5	1/4 CORE	1670	20.6	0.26	16.85	69	43	1490	Main Zone Transitional
21DMDD09	182587M	100.5	101	1/4 CORE	1438	10.6	0.27	11.15	119	45	1235	Main Zone Transitional
21DMDD09	182588M	101	101.7	1/4 CORE	2171	25.4	0.25	20.2	221	39.8	8640	Main Zone Transitional
					15660g							

Note: Pyrite (70%) - Chalcopyrite (30%) – trace bornite.

4 Geochemical Test Results

Multi-element analysis was primarily carried out on 761 solid samples to identify any elements that are present at concentrations that may be of environmental concern with respect to water quality and revegetation. The multi-element results were received from ALS test work (Aqua regia digestion and ICP determinations).

Appendix C provides the geochemical test results for the waste rock and low- to high-grade ore samples**.**

4.1 Waste Rock and Ore Geochemistry

4.1.1 Multielement Analysis

A 4-acid and Aqua Regia digestion method and analysis by ICP-MS was used to quantify the mass of the major, minor, and trace elements (Ag, Al, As, Au, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, Tl, U, V, W, Zn) in the representative samples.

Weighted mean statistical summaries of the multi-element data for each domain are presented in Table 4-1.

Elevated Cu and S in ore samples, with no significant enrichment of Fe between Ore and waste, confirms the predominance of secondary copper sulphides (chalcocite) over pyrite with respect to the Total S budget (Figure 4-1). Elemental correlations show a strong association of sulphur with arsenic (As), gold (Au), bismuth (Bi), cobalt (Co), copper (Cu), and stibnite (Sb).

4.1.2 Total Sulphur (S) Assay

Sulphur: Materials with a total sulphur content less than or equal to 0.07%S are essentially barren of sulphur, generally represent background concentrations, and are considered a low risk of capacity to generate acidity. The total sulphur content on the core samples from waste domains (with the exception of Greenhills Transitional waste domain) ranges from 0.08 percent sulphur (%S) to 0.38 %S (Figure 4-2). The median weighted total sulphur content for all waste domains (excluding the Greenhills Transitional waste domain) is 0.03 % S. This constitutes 95% of the untreated waste tonnage material in pit based on domain modelling.

The mean total sulphur content on the core samples from ore domains (with the exception of Greenhills Supergene mineralised ore domain) ranges from 0.38 percent sulphur (%S) to 9.44 %S (Figure 4-2). The Greenhills Transitional and Supergene domains have a median weighted total sulphur content of 0.017 % S. This constitutes 81% of the untreated ore tonnage in pit material based on domain modelling.

The ore geochemistry represents the in-situ values. The ore material will be processed via heap leaching, so the elemental abundances of the spent ore are of greater relevance. However, the spent ore is likely to contain significantly depreciated metal(loids) content.

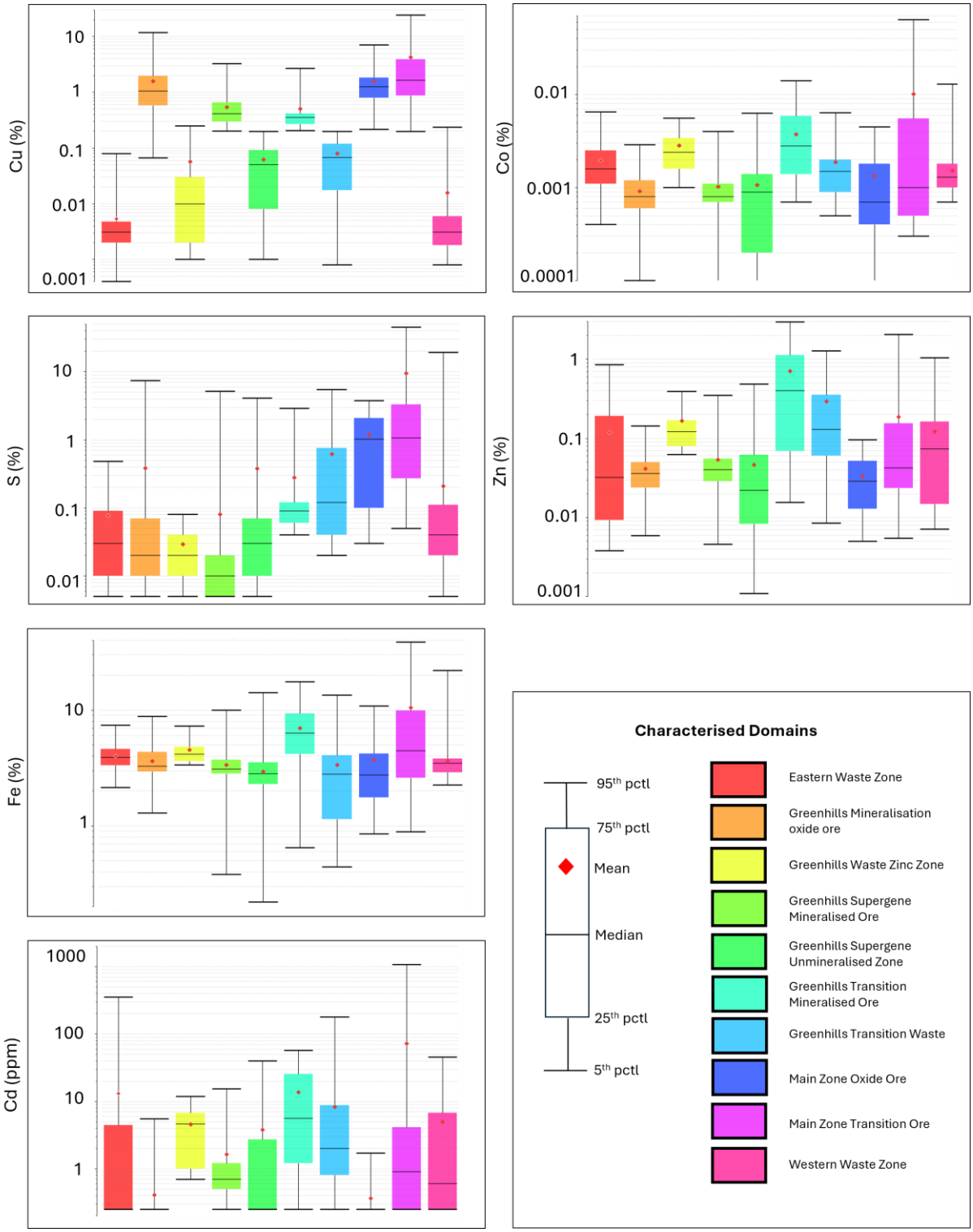

Figure 4-1: Multielement Box plots per domain for copper, cobalt, sulphur, zinc, iron, and cadmium.

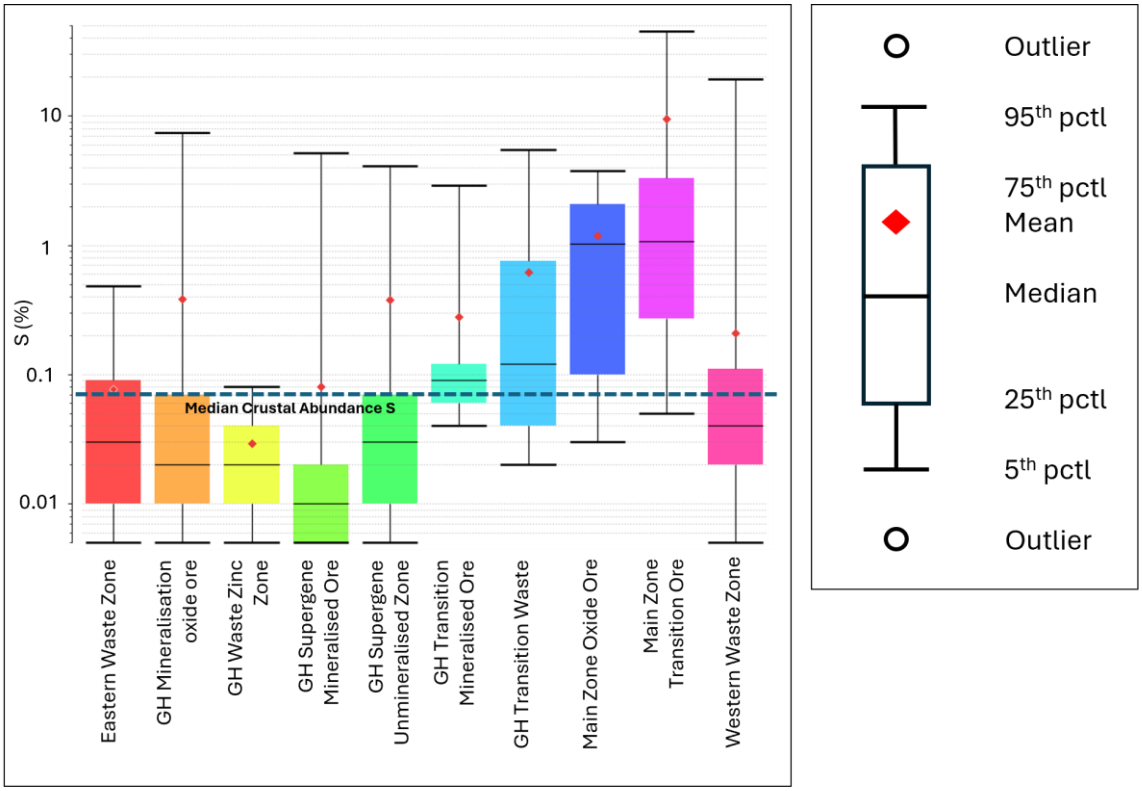

Figure 4-2: Sulphur content box plots per domain.

4.2 Total Sulphur (S) Mass balance and risk profile

Figure 4-4 outlines a risk-based approach using process flow diagrams for operational waste rock classification using sulphur content (after Pearce et al., 2016). This workflow requires basic parameters for the classification of a block of waste, and detailed knowledge of site geology and geochemistry. Noventum suggest a similar simple workflow to identify risk within the material reporting directly to waste could be adopted at Dianne (based on sulphur content) to guide future sampling strategies. The workflow adopts S thresholds of 0.015, 0.45 and 0.7% S to separate the sample workflow with a value of 0.015% S, defining something close to a background threshold.

Figure 4-3 presents the Dianne sample data for total sulphur analysis from each domain broken down into threshold categories outlined in the above-mentioned workflow approach.

Within the waste rocks domain, 34% of samples return less than 0.015% S. 55% of samples fall within the range of 0.015 to 0.45% S, where 82% of samples are < 0.2% sulphur. Sample reporting >0.45% S constitutes 11%. The data shows S abundance is clearly higher in the Main ore zone domains (oxide, transition and primary) and within the transitional domains within the waste and ore domains.

Although the ore material will be leached prior to placement as waste, it is also notable that within the Greenhills oxide and supergene zones, which constitute approximately 81% of total ore material tonnage, there is a significant population of low S in samples (48% and 79% of samples <0.015% S respectively).

Mass balance equations, weighting ore and waste domain tonnages to sample statistics suggest significant tonnes of material (approximately 45%) is low risk and likely Non-Acid Forming (NAF) based on sulphur levels.

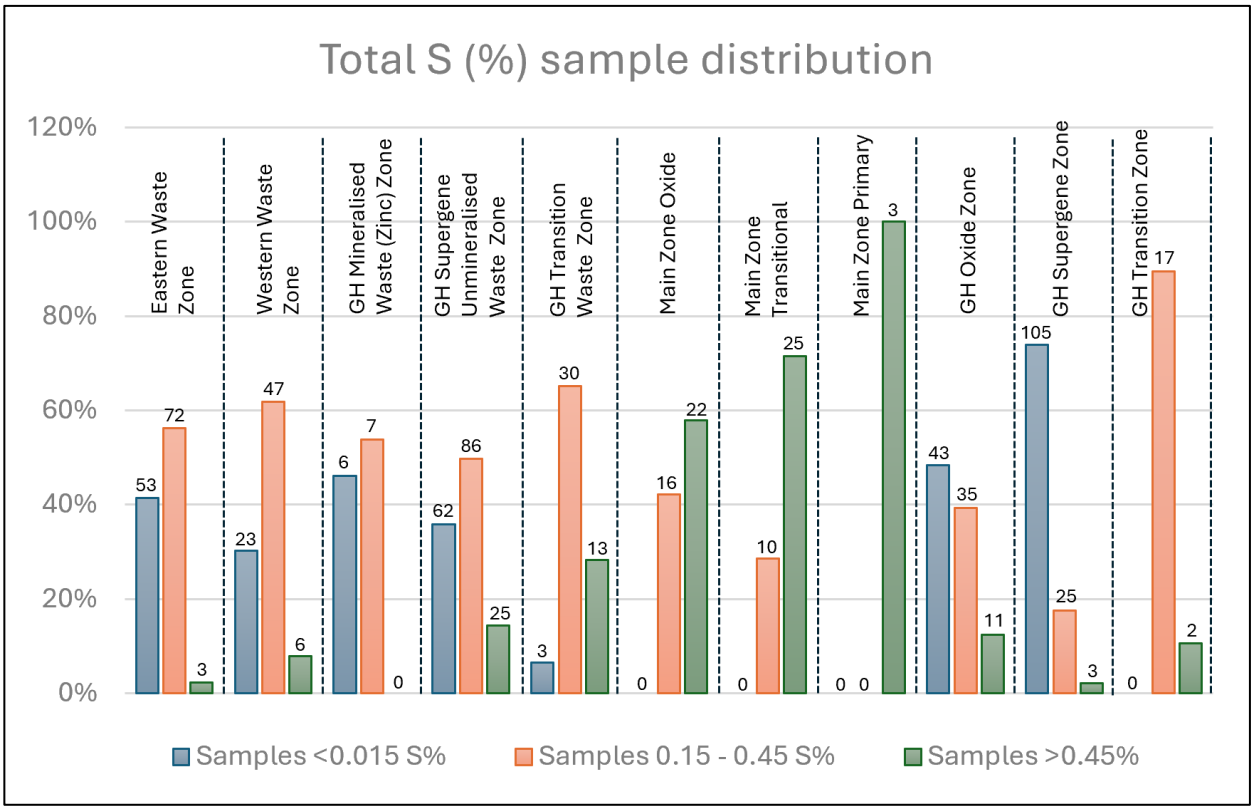

Figure 4-3: Total sulphur abundance sample distribution by domain (sample no. above column)

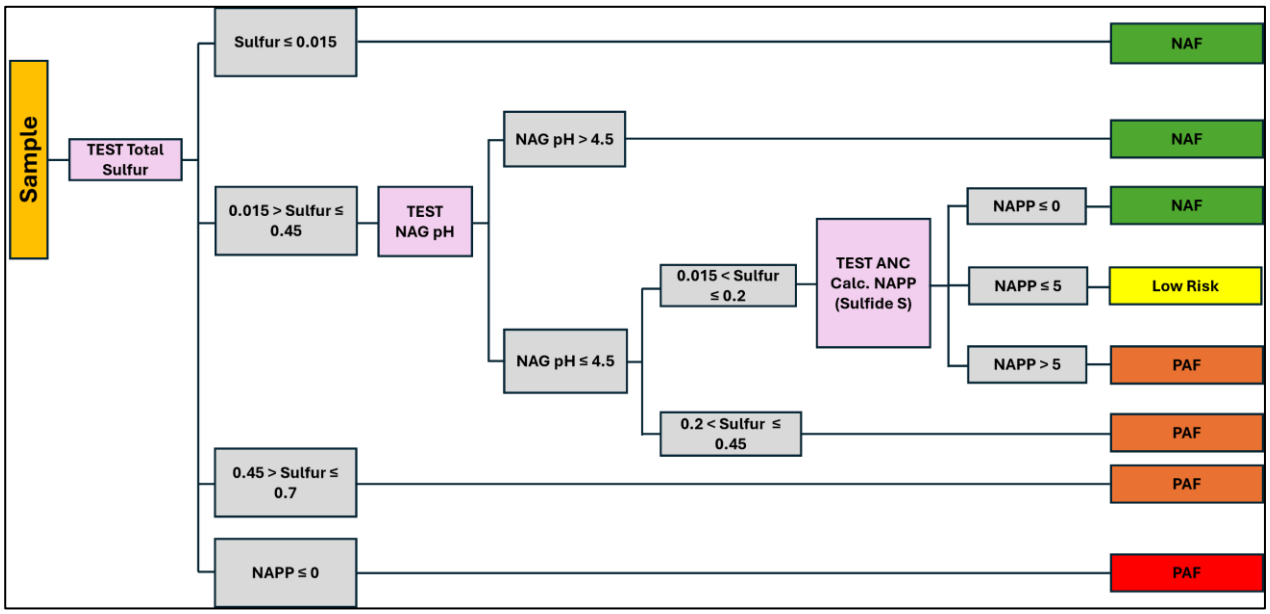

Figure 4-4: Process flow method for classification of waste rock. Sulphur values are weight% (After Pearce, 2016).

Table 4-1: Mean multi-element geochemical statistics for each ore and waste domain

Element	Detection limit	Unit	Unit Type										
			ORE					WASTE					
			Greenhills Mineralisation Oxide Ore	Greenhills Supergene Zone Ore	Greenhills Transition Mineralisation Ore	Main Zone Oxide Ore	Main Zone Transition Ore	Eastern Waste Zone	Western Waste Zone	Greenhills Waste (Zinc Zone)	Greenhills Supergene (Unmineralised Waste)	Greenhills Transition (Mineralised) Waste	Legacy Stockpile
No of Samples			**89**	**142**	**19**	**38**	**35**	**128**	**76**	**13**	**173**	**46**	
Ag	0.01	ppm	1.09	0.54	0.25	0.25	5.19	0.26	0.29	0.25	1.73	0.27	
Al	100.00	ppm	74071.81	61296.89	78825.46	81156.07	91665.54	74455.14	66629.67	71229.17	62175.19	73540.25	
As	0.2	ppm	11.24	6.61	9.44	50.09	65.9	10.05	7.23	7.42	23.13	10.08	
Au	0.02	ppm	0.01	0.01	0.01	0.01	0.06	0.01	0.01	0.01	0.01	0.01	
Ba	10	ppm	474.90	484.48	589.43	433.61	454.26	484.32	497.63	455.00	454.48	506.09	
Be	0.05	ppm	2.28	2.15	2.91	2.04	2.30	2.32	2.22	2.15	1.84	2.39	
Bi	0.01	ppm	1.30	1.24	1.05	1.81	6.35	1.58	1.12	1.08	1.37	1.00	
Ca	100.00	ppm	491.36	592.60	1390.98	759.81	319.02	10526.25	4657.20	2108.33	3232.83	1561.48	
Cd	0.02	ppm	0.41	1.63	13.68	0.36	71.82	13.15	4.97	4.56	3.75	8.27	
Co	0.00001	%	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
Cr	1	ppm	36.52	36.52	35.67	171.81	137.16	72.96	41.98	40.75	61.52	45.71	
Cu	0.00002	%	1.57	0.54	0.51	1.58	4.26	0.01	0.02	0.06	0.06	0.08	
Fe	0.01	%	3.63	3.35	6.97	3.71	10.51	3.99	3.61	4.54	2.94	3.37	
K	100	ppm	21887.23	21846.48	30412.46	24438.55	24948.61	24594.94	23543.37	20237.50	21331.09	25030.65	
La	0.5	ppm	40.80	36.23	41.10	28.24	26.00	34.47	37.70	42.50	39.27	33.90	
Mg	100	ppm	5700.68	5910.77	7985.82	14214.06	12198.9	12353.49	6835.38	7954.17	5894.26	5351.75	
Mn	5	ppm	242.74	307.82	771.06	169.87	220.24	479.31	437.81	567.92	300.56	409.27	
Mo	0.05	ppm	0.86	0.92	1.08	4.18	3.90	0.88	0.95	0.71	1.80	1.03	
Na	100	ppm	13439.61	7892.49	5954.67	3236.72	2176.10	8675.48	11868.90	17025.00	7639.66	7988.59	
Ni	0.2	ppm	14.35	14.52	26.28	70.35	71.26	46.29	18.34	24.96	20.07	22.64	
P	010	ppm	351.96	310.94	405.40	1429.80	438.96	409.36	400.01	456.67	398.59	354.35	
Pb	0.0.5	ppm	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	
S	0.01	%	0.38	0.08	0.28	1.18	9.44	0.08	0.21	0.03	0.38	0.62	
Sb	0.05	ppm	2.16	2.60	2.75	3.17	9.11	3.70	2.84	2.79	2.95	2.74	
Sc	0.1	ppm	10.02	8.59	11.06	18.69	20.08	11.96	9.76	10.71	9.26	9.78	
Sr	0.2	ppm	120.82	89.74	89.39	216.14	159.92	116.87	97.13	113.75	107.25	103.09	
Th	0.01	ppm	19.97	17.39	19.29	16.53	21.55	17.45	16.43	19.58	18.32	18.98	
Ti	50	ppm	3033.56	2839.74	3749.84	2767.87	2597.41	2804.78	2893.72	3050.00	2916.98	3233.83	
V	1	ppm	64.39	50.41	71.73	129.34	91.20	70.73	59.22	63.83	62.14	60.61	
W	0.1	ppm	5.37	5.08	10.56	5.93	6.52	5.39	5.10	5.00	9.15	7.47	
Zn	0.0002	%	0.04	0.05	0.70	0.03	0.19	0.12	0.12	0.17	0.05	0.29	

4.3 Element Enrichment (GAI)

Global Abundance Index (GAI) values were calculated for the multi-element dataset.

The extent of elemental enrichment of representative samples are reported as the Geochemical Abundance Index (GAI), which relates the actual concentration with average crustal abundance on an adjusted log 2 scale (Bowen, 1979) using the following formulae:

GAI Values Calculation: GAI = log2 [C/(1.5*S)]

The GAI is typically expressed in integer increments where a GAI of zero indicates the element is present at a concentration like, or less than, the average crustal abundance. A GAI of 6 indicates approximately a 100-fold enrichment above the average crustal abundance. The main purpose of the GAI is to provide an indication of elemental enrichment that may be of environmental importance. As a rule, a GAI of 3 or greater signifies enrichment that warrants further examination, while a GAI of 1 or 2 indicates the element may be elevated:

Table 4-2: Global Abundance Index Value and Interpretation

GAI Value	Interpretation
0	< 3 times average crustal concentrations
1	3 to 6 times average crustal concentrations
2	6 to 12 times average crustal concentrations
3	12 to 24 times average crustal concentrations
4	24 to 48 times average crustal concentrations
5	48 to 96 times average crustal concentrations
6	>96 times average crustal concentrations
*The GAI for an element is calculated as follows: GAI = log2 [C / (1.5*S)] where C is the concentration of the element in the sample and S is the median content for that element in the reference material (mean world soil, crustal abundance, etc*	

The GAI only provides an indication of metals/metalloids that may be enriched relative to the global average crustal abundance which may vary between literature sources.

A summary of the calculated Mean GAI values according to ore and waste Domains (based off a total of 323 and 435 samples for ore and waste samples respectively) are provided in Table 4-3.

The GAI results indicate that of the metal(loid)s measured, Ag, Cd and Cu are highly enriched compared to average crustal abundance in the majority of waste domains and S is enriched in addition to those elements within the Eastern Waste Domain. Elevated S in the eastern domain correlates with a greater abundance of shales (±carbonaceous) some of which are noted to host pyrite within the bedding laminae within the primary non-weathered zones.

The GAI results indicate that of the metal(loid)s measured, Ag and Cu are highly enriched compared to average crustal abundance in the majority of ore domains. Furthermore, the deeper transitional ore domains are enriched in S, Co, Cd and Bi.

Further assessment by stratigraphy would be useful to better define the background levels and levels of enrichment. None-the-less, additional solubility assessment on the waste domains is warranted.

Table 4-3: Geochemical abundance indices (GAI) of waste and ore domains based off mean multielement values.

Element	Median Soil Abundance*	Unit	Greenhills Mineralisation Oxide Ore (Mean)	Greenhills Supergene Zone Ore (Mean)	Greenhills Transition Mineralisation Ore (Mean)	Main Zone Oxide Ore (Mean)	Main Zone Transition Ore (Mean)	Eastern Waste Zone (Mean)	Western Waste Zone (Mean)	Greenhills Waste (Zinc Zone) (Mean)	Greenhills Supergene (Unmineralised Waste) (Mean)	Greenhills Transition (Mineralised) Waste (Mean)	Legacy Stockpile
Ag	0.05	ppm	4	3	6	2	6	3	2	2	4	2	
Al	71000.00	ppm											
As	3	ppm			2	2	2	1			1		
Ba	500	ppm											
Be	0.3	ppm	2	2	2	2	2	2	2	2	2	2	
Bi	0.2	ppm	2	2	3	3	4	3	2	2	2	2	
Ca	15000.00	ppm											
Cd	0.35	ppm		2	5		3	5	3	3	3	4	
Co	0.0008	%			3	1	3	1		1		1	
Cr	70	ppm				1							
Cu	0.003	%	8	7	10	8	9	1	2	4	4	4	
Fe	4.00	%			1								
Ga	20	ppm											
K	14000	ppm											
La	40	ppm											
Mg	5000	ppm				1		1					
Mn	1000	ppm											
Mo	1.2	ppm			1	1	1						
Na	5000	ppm	1						1	1			
Ni	50	ppm											
P	800	ppm											
Pb	35	ppm											
S	0.07	%	2		6	3	6	4			2	1	
Sb	1	ppm	1	1	2	2	3	1	1	1	1	1	
Sc	7	ppm				1							
Sr	250	ppm											
Th	9	ppm	1				1			1			
Ti	500	ppm	2	2	2	2	2	2	2	2	2	2	
Tl	2000	ppm											
U	2	ppm	1	1	1	1	1	1	1	1	1	1	
V	90	ppm											
W	1.5	ppm	1	1	2	1	2	1	1	1	2	2	
Zn	90	ppm	2	2	5	4	3	3	3	4	2	5	

4.4 Mineralogical Assessment

Significant weathering, supergene leaching or depletion, and supergene enrichment has generated copper mineral zonation within the deposit. Geological drill logs show that the Greenhills mineralisation is dominated by Cu carbonates, oxides, supergene sulphides and locally native Cu. Malachite-azurite in the upper portion of the deposit transitions to tenorite / cuprite in the supergene sulphide zone where tenorite is often logged as chalcocite or black copper oxides. The oxide / supergene sulphide contact is complex and a product of the variable weathering and oxidation of the host lithologies.

The key copper mineralogy observed within the classified domains is presented in Table 4-4, with relevant chemical classification and form provided in Table 4-5.

Table 4-4: Main mineral abundances (logged in core) through the key ore and waste domains

Ore Rock Type		**Copper classification**	**Mineralogy**
Heap Leach Pad	Main Zone Oxide Ore	>0.2% Cu cut-off	Chalcocite > Native Cu
	Main Zone Transitional Ore		Chalcocite > Pyrite
	Greenhills Supergene Zone Ore		Cuprite > Green Cu oxides / Malachite > Chalcocite > Black Cu oxides > Native Cu / Azurite
	Greenhills Mineralisation Oxide Ore		Cuprite > Green Cu oxides (Tenorite) > Chalcocite/Malachite > Native Cu/Fe oxides
	Greenhills Transition Mineralisation Ore		Chalcocite > Cuprite > Malachite
Waste dump composition		**Copper classification**	**Minerology**
Waste Dump Material	Greenhills Waste (Zinc Zone)	<0.2% Cu	Cuprite > Green Cu oxides (Tenorite) > Native Cu/Fe oxides
	Greenhills Supergene (Unmineralized) Waste	<0.1% Cu	Cuprite > Malachite > Green Cu oxides (Tenorite)
	Greenhills Transition (Mineralised) Waste	0.1 to 0.2% Cu	Chalcocite > Cuprite > Malachite
	Eastern Waste Zone	<0.001% Cu	Minor pyrite at depth (86 – 95m)
	Western Waste Zone	<0.001% Cu	Cuprite > Pyrite > Native Cu > chalcocite/ chalcopyrite

Note: Insoluble; Cyanide soluble, Partially acid soluble, Sulphuric Acid soluble

Table 4-5: Mineral species common occurrence

Mineral Species	**Formulae**	**Occurrence**
Malachite	Cu2(CO3)2(OH)1	Copper carbonate (Supergene weathering and oxidation
Azurite	Cu3(CO3)2(OH)2	Copper carbonate (Supergene weathering and oxidation
Cuprite	Cu2O	Copper Oxide (secondary oxidation)
Tenorite	CuO	Copper Oxide (secondary oxidation)
Native Copper	Cu	Copper (Supergene weathering and oxidation
Chalcocite	Cu2S	Copper sulphide (secondary supergene enriched)
Chalcopyrite	CuFeS2	Copper sulphide (primary hydrothermal)
Pyrite	FeS2	Iron sulphide (primary hydrothermal and diagenetic)

4.5 QXRD and MLA Analysis, Sulphur and Carbon Speciation

To support the visual logging observations, confirmatory mineralogical assessment was undertaken during sighter metallurgical test work on composite samples of high-grade Main Zone Primary ore, ultra-high grade Main Zone transitional (supergene) Ore, and low to moderate grade Greenhills oxide ore using quantitative X-ray diffraction (XRD) and image-based automatic mineral liberation analysis (MLA) by Core Metallurgy (Core, 2022).

4.5.1 Main Zone Primary Massive Sulphide Sample (5.3% Cu)

MLA analysis identified the predominant sulphide minerals in the sulphide composite sample as pyrite (69%), chalcopyrite (16%) and sphalerite (12%), which agrees with the QXRD analysis. The non-sulphide gangue material was comprised of 1% quartz and 2% of other non-sulphide gangue.

4.5.2 Main Zone Transitional Supergene Sample (14.9% Cu)

The main sulphide minerals present are comprised of 75% pyrite, 16% chalcocite, 4% chalcopyrite, and 1% sphalerite. As the MLA has difficulty distinguishing between similar copper minerals, the QXRD analysis, which identified djurleite ($Cu_{31}S_{16}$) rather than chalcocite (Cu_2S) should be taken as the more accurate mineral identification. The predominate gangue mineral present in the supergene sample is quartz (2%).

4.5.3 Greenhills Oxide Sample (0.7% Cu)

MLA analysis on the oxide sample identified quartz (47%), muscovite (20%), albite (16%), chlorite (7%) and k-feldspars (3%) as the predominant minerals present. Total Cu minerals account for 2.5% of the Oxide composite sample. The major copper species identified were cuprite (33%), copper-silicate (19%), delafossite (11%), copper-silicate-Fe (8%), chlorite-Cu (7%), and chalcocite (6%). Trace calcite (0.2%) and siderite (0.2%) were detectable carbonates within the oxide composite.

The combined QXRD and MLA analysis is supported by carbon and sulphur speciation test work on composite head grade analysis (Table 4-6).

Table 4-6: Sulphur and carbon speciation from Main Zone (Primary, transitional) and Greenhills Oxide composite ore samples.

Composite characterisation	Main Zone "Primary"	Main Zone "Supergene"	Greenhills Oxide
Zn (%) ICP	7.1	0.70	0.04
Cu (%) ICP	5.3	14.9	0.7
Fe (%) ICP	39.2	36.7	2.8
Total Sulphur %	50.05	48.50	0.02
Sulphide Sulphur %	49.85	48.4	0.02
Sulphate Sulphur %	0.12	0.09	<0.0125
Elemental Sulphur %	0.04	0.00	<0.01
Total Carbon %	0.07	0.11	0.08
Graphitic Carbon %	0.00	0.00	<0.001
Inorganic Carbon %	0.01	0.04	<0.001
Organic Carbon %	0.07	0.07	<0.001
Organic Graphitic Carbon %	0.06	0.07	<0.001

4.6 Sequential Copper Analysis

Sequential copper analysis method is a particularly useful technique to semi-quantitatively define the geological, mineralogical and metallurgical types and zonation in copper deposits like the Dianne Copper deposit, where significant weathering, supergene leaching or depletion, and supergene enrichment has generated copper mineral zonation within the deposit.

The method is based on the partial dissolution behaviour displayed by the prevalent copper minerals to solutions containing sulphuric acid and sodium cyanide. The approximate percentage dissolution of various copper minerals to sulphuric and sodium cyanide solutions are presented in Table 4-7.

Results from sequential analyses of the sample and analytical residue using sulphuric acid followed by sodium cyanide and then aqua regia solutions, when compared with conventional copper analyses, can determine the amounts of leachable oxide minerals, leachable secondary sulphide minerals, and primary copper minerals, respectively. Proposed mineralogical, metallurgical and geological classifications based on sequential copper analyses is shown in Table 4-8 (after Parkinson and Bhappu, 1995) and can be used to compare with mineralogical observations and overall domain geochemistry.

A summary of the calculated Mean sequential copper values (as a ratio of Total Cu) according to ore and waste Domains (based off a total of 322 and 235 samples for ore and waste samples respectively) are provided in Table 4-9. Variability around those mean values is shown in Figure 4-7.

Table 4-7: Dissolution characteristics of copper mineral species.

Approximate Percentage Dissolution of Various Copper Minerals to Sulphuric Acid and Sodium Cyanide Solutions			
Mineral Species	**Approximate Composition**	**Approximate Dissolution in Sulphuric Acid Solution**	**Approximate Dissolution Sodium Cyanide Solution**
OXIDES			
Atacamite	$Cu_2CL(OH)_3$	100	100
Azurite	$2CuCO_3Cu(OH)_2$	100	100
Cuprite	Cu_2O	70	100
Chrysocolla	$CuSiO_32(H_2O)$	100	45
Malachite	$CuCO_3Cu(OH)_2$	100	100
Native Copper	Cu	5	100
Tenorite	CuO	100	100
SECONDARY SULPHIDES			
Chalcocite	Cu_2S	3	100
Covellite	CuS	5	100
PRIMARY SULPHIDES			
Bornite	Cu_5FeS_4	2	100
Chalcopyrite	$CuFeS_2$	2	7
NOTE: Samples are generally finely ground (-150 mesh) and reaction time is generally one hour or less.			

Where Cu grade supports meaningful assessment of the sequential copper results, the data indicate that 66% of samples (327 out of 497 valid data samples) classify as strongly sulphuric acid soluble copper oxide (average 0.76 ratio to CuT), supporting mineralogical observations and logged oxidation.

Ore domains report high heap leachable ratios between 0.84 and 0.97. Calculated mean sulphide ratios (Table 4-9) reflecting the presence of copper as chalcopyrite, is uniformly low across all ore domains, varying between 0.03 and 0.16, noting the absence of data from the Main Zone Primary Domain.

Waste domains report more variable heap leachable ratios between 0.58 and 0.91. Higher sulphide ratios in waste domains (0.09 to 0.47) are likely to reflect the low Cu content of those domains and the ability of the methodology to discern copper minerals at low modal abundance. 99% of waste domain samples (totalling 231 samples) fall below the copper cut-off grade of 0.2% Cu with a median value of 670 ppm Cu and a significant tail of high sulphide ratios are associated with low Cu grades (Figure 4-6). Copper sulphide ratios have little correlation with Total S abundances in whole rock samples.

Table 4-8: Mineralogical, metallurgical and geological classification

Proposed Mineralogical Metallurgical, and Geological Classifications Based on Sequential Copper Analyses				
Sequential Assay Step	Mineralogic Classification	Metallurgical Classification	Geological Classification	
Sulphuric Acid Soluble	Copper Oxides	Sulphuric Acid Leachable	Oxide Zone – Acid Sol/Total > 50%	Mixed Zone Acid, Cyanide or Residue/Total are all < 50%
Sodium Cyanide Soluble	Secondary Sulphides Component	Ferric Leachable Component	Secondary Zone – Cyanide Sol/Total > 50%	
Residue Total	Primary Sulphides	Bacterial Leachable Component	Primary Zone Residue/Total > 50%	

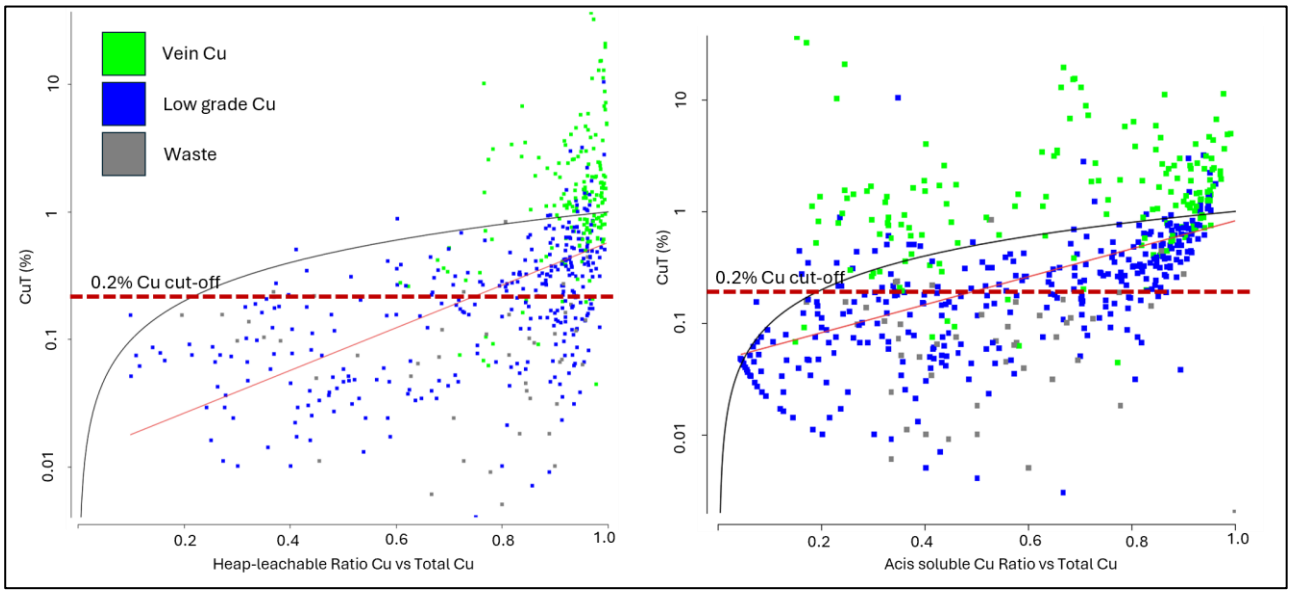

Figure 4-5: Sequential copper sample distribution

Table 4-9: Mean sequential copper summary for ore and waste domains

Unit Type										
Analysis	ORE					WASTE				
	Main Zone Oxide Ore	Main Zone Transition Ore	Greenhills Supergene Zone Ore	Greenhills Mineralisation Oxide Ore	Greenhills Transition Mineralisation Ore	Eastern Waste Zone	Greenhills Waste (Zinc Zone)	Greenhills Supergene (Unmineralized) Waste	Greenhills Transition Mineralised Waste	Western Waste Zone
No. of Samples	38	34	142	89	19	7	13	165	26	24
Acid Soluble Cu Ratio (Mean)	0.44	0.54	0.77	0.83	0.72	0.4	0.53	0.38	0.6	0.54
Heap Leachable Ratio (Mean)	0.94	0.97	0.84	0.91	0.94	0.9	0.72	0.58	0.91	0.79
Sulphide Ratio (Mean)	0.06	0.03	0.16	0.08	0.06	0.33	0.31	0.47	0.09	0.37

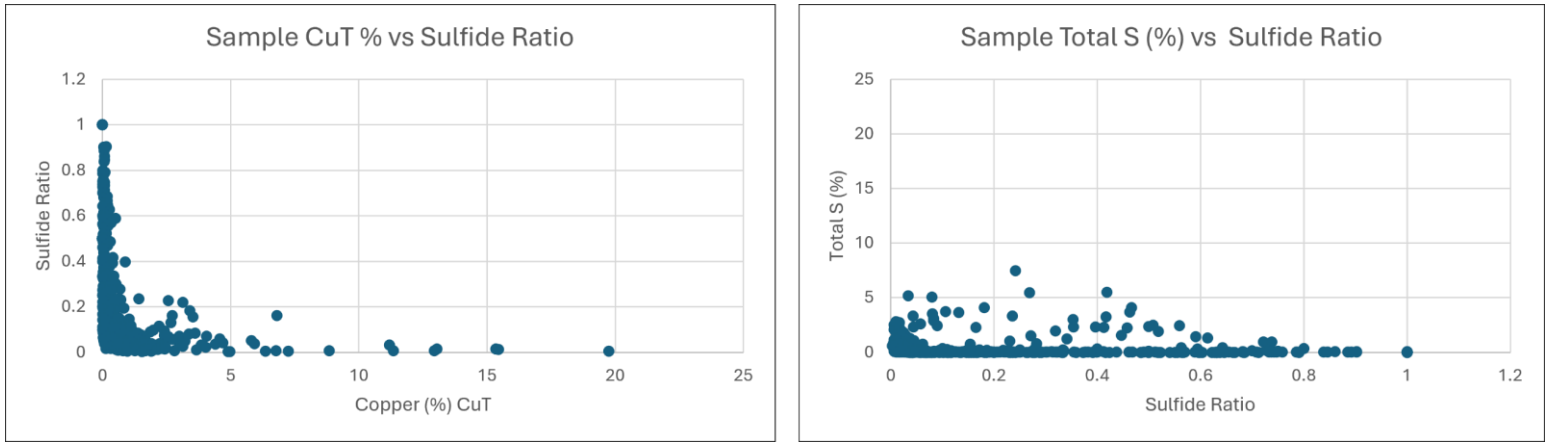

Figure 4-6: Sequential copper data for CuT% vs Sulphide ratio (left) and correlation of sulphide ration (sequential Cu) with whole rock Total S analysis (right)

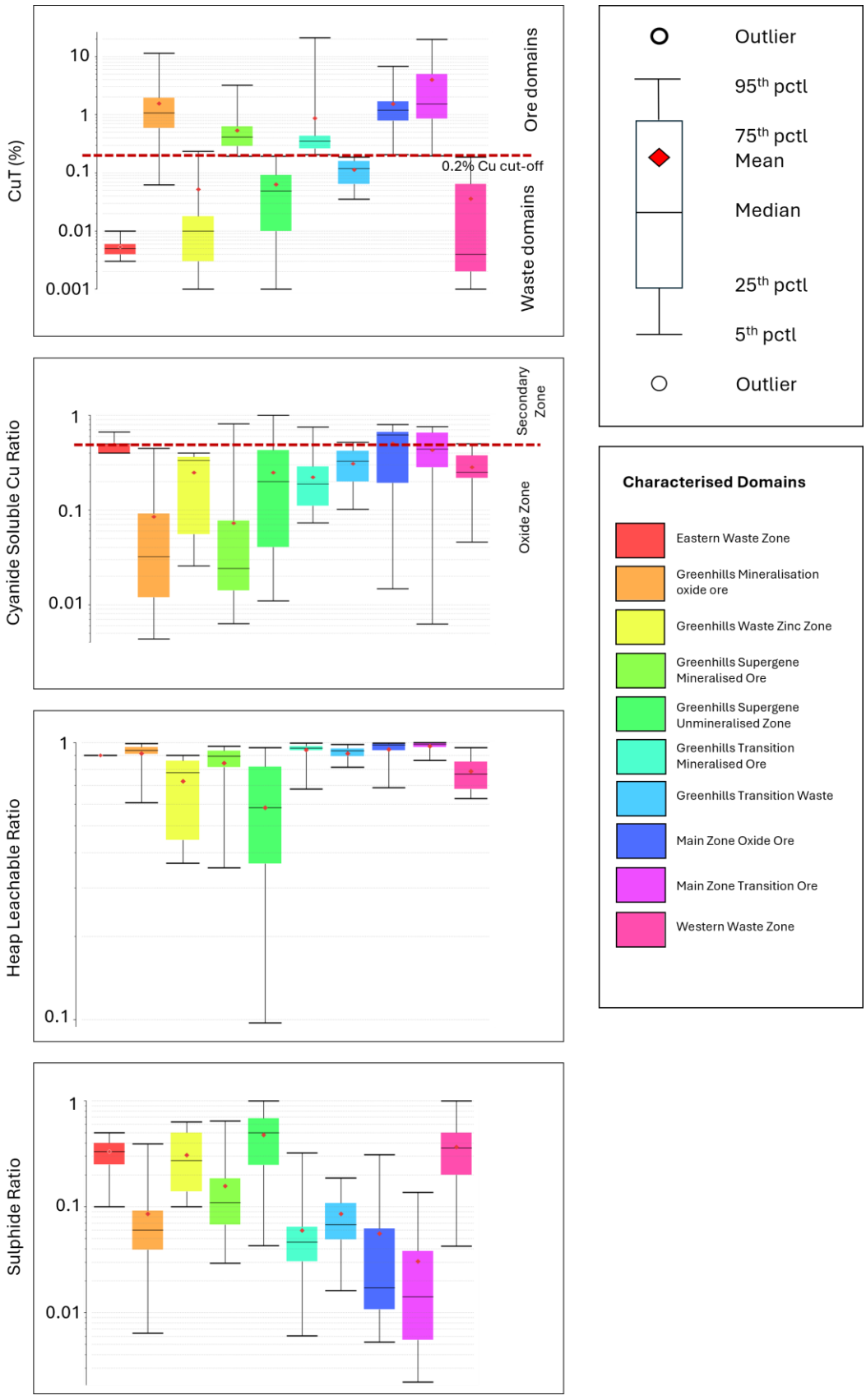

Figure 4-7: Sequential copper boxplots per domain, assessing secondary copper enrichment, leachability and sulphide ratio.

4.7 Acid Base Accounting

Acid Base Accounting (ABA) is a set of laboratory methods which are used to identify the acid-production (oxidisation of sulphide minerals) and acid-consumption properties (dissolution of alkaline carbonates, displacement of exchangeable bases, and weathering of silicates) of a geological material. The methods are designed to produce the best estimate of how likely a material is to be a net acid producer or net acid consumer, therefore how likely to produce Acid Rock Drainage (ARD).

The values arising from the ABA are referred to as the Maximum Potential Acidity (MPA) and the Acid Neutralising Capacity (ANC), respectively. The difference between the MPA and ANC value is referred to as the Net-Acid Producing Potential (NAPP).

4.7.1 Acid Forming Characteristics (MPA)

Acid generation is caused by the exposure of sulphide minerals, most commonly pyrite (FeS2), to atmospheric oxygen and water. Sulphur assay results are used to calculate the maximum amount of acid that could be generated by a material based on either direct measurement of the pyritic S content, or assuming that all sulphur does not present as sulphate occurs as pyrite. Pyrite reacts under oxidising conditions to generate acid according to the following overall equation:

$$FeS_2 + 15/4\ O_2 + 7/2\ H_2O \rightarrow Fe(OH)_3 + 2\ H_2SO_4$$

According to this reaction, the maximum potential acidity (MPA) of a sample containing 1%S as pyrite would be 30.6 kg H2SO4/t. The chemical components of the acid generation process consist of the above sulphide oxidation reaction and acid neutralization, which is mainly provided by inherent carbonates and to a lesser extent silicate materials. The amount and rate of acid generation is determined by the interaction and overall balance of the acid generation and neutralisation components.

Calculated MPA values for the domains are presented in Table 4-13 and range from 2.45 to 18.97 within waste domains and between 8.57 to 288.86 for ore domains. The Greenhills ore domains, which provide the bulk of the heap leach material, range from 8.57 to 20.48 suggesting similar acid generation potential to the waste domains.

The use of the total sulphur assay to estimate the MPA is a conservative approach because a significant proportion of sulphur is likely to occur in forms other than pyrite at Dianne. Within transitional domains some of the Total Sulphur is demonstrably present as other metal sulphides (e.g. covellite, chalcocite, sphalerite, galena) that yield less acidity than pyrite when oxidised. Sulphur may also be present as Sulphate-sulphur and native sulphur (non-acid generating S forms).

4.8 Column Leach test results (ANC)

Completed and ongoing column leach test work on composite oxide and oxide-transitional ore samples can be assessed to evaluate the acid-consuming nature of the ore and considers the potential risks associated with stockpiling spent ore on the waste rock dump.

A sample of “oxide” material was assessed by visual microscopy and shown to comprise the copper minerals; malachite, cuprite and tenorite. A sample of “transition” material was assessed by visual microscopy and shown to comprise chalcocite and tenorite.

4.8.1 Acid Consumption

The acid consumption results for the four column tests are summarised in Table 4-10 below.

Table 4-10: Acid consumption results from leach column test work.

Column 1	Ore zone composition	Test work Status	Sample Mass (kg)	Acid Added (kg)	Gross acid consumption (kg/t Ore)
Column 1	100% Oxide	Under leach	85.89	7.1	82.6
Column 2	100% Oxide	Completed	86.74	7.1	81.7
Column 3	90% Oxide: 10% Transitional	Under leach	89.73	7.4	83.0
Column 4	90% Oxide: 10% Transitional	Completed	86.91	7.8	89.7

The gross acid consumption values demonstrate the ore's ability to neutralise acid through leaching reactions. Values ranging from 81.7 to 89.7 kg/t ore indicates that the Dianne ore has a high capacity for neutralising acid. There is little variability in the acid consumption between the four columns, however, the samples containing 10% of the PS/SCL transitional ore do have a slightly higher acid consumption (which isn't typical of PS/SCL ores). This is likely due to the elevated concentrations of copper, magnesium and iron in the PS/SCL zone which is displayed in Table 4-11.

The elemental analysis of the different zones, as shown in Table 3-2, further supports the inference that oxide ore is unlikely to be acid-generating due to the absence of sulphur within the oxide zone sampled. The sampled PS/SCL material does contain 16.95% S in the form of pyrite, chalcopyrite, and chalcocite. However, blended with oxide at a 9:1 ratio, the ore still exhibits high acid-consuming properties over the 5–6-month leach observed in these column tests.

Table 4-11: Elemental analysis of ore zone composites

Sample Id	Al%	Ca %	Co %	Cr %	Cu %	Fe %	K %	Mg %	Mn %	P %	S %	Si %	Ti %	Zn %
OXIDE HEAD	6.35	0.14	0	0	1.02	3.68	2.27	0.6	0.03	0.04	0.23	31.13	0.33	0.21
PS/SCL HEAD	5.57	0.07	0.03	0.02	4.93	16.51	1.01	1.7	0.02	0.02	16.95	15.8	0.22	0.21

Each of the columns demonstrated high acid consumption right up until they were water washed with 200-300g of acid being consumed in the last week of leaching. This is equivalent to 1.5-1.7kg/t of ore and demonstrates the persistent acid consuming nature of the ore at the end of its leach cycle prior to being washed and relocated.

The Greenhills ore domains, which provide the bulk of the heap leach material, have MPA ranges from 8.57 to 20.48 suggesting similar acid generation potential to the waste domains. Therefore, by inference, the waste rock is anticipated to have similar Acid Neutralizing Capacity (ANC). Kinetic column leach test work indicates that oxide ore, even with a component of high S transitional ore mix, contains ANC values ranging from 81.7 to 89.7 kg/t ore.

Generally, those samples with an ANC/MPA mass ratio greater than two are considered to have a negligible/low risk of acid generation and a high factor of safety in terms of potential for acid and metalliferous drainage (AMD).

Further NAPP test work is planned to confirm the low risk associated with the identified geochemical domains.

Table 4-12. Acid Base Accounting classification

Class	Sub-class	Description
NAF	NAF	Samples with a negative NAPP value and a NAG pH ≥4.5
	NAF-Barren	As above, and a low ANC (≤ 5kg H_2SO_4/t); such samples have little value with respect to mitigating the effects of acid production in other mine waste materials.
PAF	PAF	Samples with a positive NAPP value and a NAG pH <4.5
	PAF-LC	PAF materials associated with a low NAG acidity ($NAG_{pH4.5}$ <5 kg H_2SO_4/t)
Uncertain	UC (PAF)	Samples with negative NAPP but giving NAG pH values <4.5
	UC (NAF)	Samples with positive NAPP but giving NAG pH values 4.5; possibly in these samples, some of the sulphur present is in non-pyritic forms

Notes: NAF –non-acid forming; PAF – potentially acid forming; LC – low capacity (to produce acid); UC – uncertain acid potential.

Table 4-13: Summary Acid Based Accounting analysis for Dianne Copper deposit domains.

Assigned Domain	Weathering Status	Sample No	Cumulative Length (m)	pH	EC	Total S	Total C	Organic C	TIC	MPA	ANC	ANC TC	NAPP	ANC/ NAPP	NAGpH	AMD Class
					dS/ m	%	%	%	%	kgH2SO4/t	kgH2SO4	kgH2SO4	kgH2SO4		kgH2SO4	
Greenhills Mineralisation Oxide Ore (Mean)	Oxide	259	81.05			0.38				11.70						
Greenhills Supergene Zone Ore (Mean)	Supergene	368	128.17			0.08				20.48						
Greenhills Transition Mineralisation Ore (Mean)	Transitional	55	23.92			0.28				8.57						
Main Zone Oxide Ore (Mean)	Oxide	57	25.68			1.18				36.20						
Main Zone Transition Ore (Mean)	Transitional	74	31.47			9.44				288.86						
Eastern Waste Zone (Mean)	Oxide	396	144.61			0.08				2.45						
Western Waste Zone (Mean)	Oxide	311	63.7			0.21				6.43						
Greenhills Waste (Zinc Zone) (Mean)	Oxide	41	12			0.03				0.89						
Greenhills Supergene (Unmaterialised) Waste (Mean)	Supergene	466	167.1			0.38				11.60						
Greenhills Transition (Mineralised) Waste (Mean)	Transitional	133	34.8			0.62				18.97						
Legacy stockpile	Oxide															

5 Conclusions

5.1 Preamble

In-pit material tonnages are estimated at ~4.1 Mt of which waste and ore comprise 2.39 Mt and 1.76 Mt respectively. The waste material will report directly to the waste dump. The ore material reports to the heap leach pads and the resultant spent ore will be relocated to the waste dump.

Within the proposed pit limits, Noventum has defined ten (10) domains for geochemical characterisation; five (5) ore domains and five (5) waste domains. Geochemical assessments are based a significant sample population (>700 samples) with multi-element, sequential copper and kinetic leach tests underpinning several reasonably based conclusions on AMD potential at the Dianne Recommencement Project.

Recommendations for further assessment work are also outlined.

The analysis work undertaken within this report is focussed on one part pf the AMD risk assessment, that being AMD source assessment. This work is scoped at providing clear direction of future work flows to feed into the Mine management plans which will also aim at the identification of potential AMD pathways and environmental and social receptors.

5.2 Waste Material

- The majority (76%) of the waste material comprises oxidised sandstone (with lesser siltstones and shales). The combined material is low in Total sulphur (>75% samples below a 0.07% S background threshold) and comprises only weak Cu mineralisation (generally less than 1000 ppm). Copper mineralisation is present as trace copper carbonates, oxides and secondary copper sulphides that may be present as sparse disseminations or weak fracture/vein fill within the host rock. All waste domains are significantly enriched in Cu, Cd, Zn ± Ag ± Bi, low in most other deleterious elements, and display only rare occurrences of trace pyrite or primary chalcopyrite logged in core (generally at depth).
- Sequential copper analysis of samples within waste domains confirms high leachability ratios and independently verifies the predominantly oxidised nature of the waste domains (with 66% of samples strongly acid soluble (~0.76 avg ratio)) and lesser mixed oxide/secondary zones which is consistent with the copper mineral species logged in drill core.
- Waste domains display low maximum potential acidity (2.45 to 18.97 MPA value) ratios that should be considered absolute maximum acid producing values in the absence of appreciable pyrite noted in drill core.
- By inference, and whilst preliminary, kinetic testing (column leach testing) of bulk composite ore samples from within equivalent (however mineralised) lithological units (broader greenhills ore domain) suggests the waste rock is likely to be acid-consuming (gross acid consumption values for the ore samples range from 81.7 kg/t to 89.7 kg/t Ore). This indicates, given common baseline chemistry (and weaker mineralisation), that the waste material is low risk of generating acid when stockpiled and therefore should be considered low risk of AMD.

5.3 Greenhills Ore Material

- The ore material characteristics presented within this report are based on in-situ geochemistry. Whilst several important assumptions can be made around the ore geochemistry, the final waste composition from spent ore after a full six (6) month leach cycle will be materially different and more important to characterise and quantify.
- The five domains that constitute the in-pit ore material can be broadly divided into two main categories: the Main ore lens zone and the halo zone of ‘Greenhills Mineralisation’. Within each of

these broad zones, oxide, supergene, transitional ore material can be defined. Most of the ore tonnage (~80%) comprises the Greenhills mineralisation dominated by oxidised sandstones with a higher density of disseminations, and/or weak fracture/vein fill copper carbonates, oxides and secondary copper sulphides (when compared to Greenhill waste domains). The Greenhills oxide and supergene domains are low in deleterious elements (weakly above background for Ag). The Greenhill Transitional zone is significantly more enriched in S, Cu, Fe, Cd, Zn, Co, Bi, Sb.

- Sequential copper analysis of samples within the Greenhills ore domains confirms high leachability ratios and independently verifies the predominantly oxidised nature of the domains (with 92% of samples strongly acid soluble (~0.82 avg ratio)) and lesser mixed oxide/secondary zones which is consistent with the copper mineral species logged in drill core.
- Greenhills composite ore domains display low maximum potential acidity (8.57 to 20.48 MPA value) ratios that should be considered absolute maximum acid producing values in the absence of appreciable pyrite noted in drill core.
- Kinetic testing (column leach testing) of bulk composite ore samples of Greenhills oxide material suggests the waste rock is likely to be acid-consuming (gross acid consumption values for the oxide ore samples range from 81.7 kg/t to 82.6 kg/t Ore). This indicates the Greenhills ore material is unlikely to generate acid when stockpiled and therefore should be considered low risk of AMD.

5.4 Main Zone Ore Material

- The 'Main Zone' ore comprise Oxide, Transitional and Primary internal domains, however only the Main Zone Oxide and Main Zone Transitional domains are represented within the pit shell. These domains are characterised high grade epigenetic copper mineralisation along a bedding parallel contact associated with a diverse lithological association that includes sandstone, siltstone, shale, chert, igneous intrusive and veining. The Main Zone domains constitute only 5% of the total in-situ pit material.
- Main zone domains display highly elevated Cu and S and significantly elevated Cd, Zn, Sb, Ag, Bi) compared to background levels. The domains comprise 'mixed zone' copper mineralogy, relatively evenly acid and cyanide soluble with high leachability (>0.95 leachable ratio) and low sulphide sulphur (<5%) associated with copper minerals. Mineralogical observations suggest Main Zone transitional ore contains abundant pyrite and chalcocite with lesser chalcopyrite and sphalerite.
- Main Zone ore domains display high maximum potential acidity (36.2 to 288.86 MPA value) ratios.
- Results from Kinetic testing (column leach testing) of bulk composite ore samples containing 10% transitional Main Zone sample material (Head grade >5% Cu and 16.95% S) with Greenhills oxide ore is likely to be acid-consuming (gross acid consumption values for the ore samples range from 81.7 kg/t to 89.7 kg/t Ore). This indicates that on mass balance ore material mixed with Greenhills ore material and waste material is unlikely to generate acid when stockpiled.

6 Recommendations

More comprehensive Acid Base Accounting testing across all waste domains is required to better estimate total waste characteristics and compositions of the final waste dump and undertake more appropriate risk assessments and mitigation strategies with respect to AMD.

Further test work to outline acid-forming and leaching characteristics of mined materials, which should include paste pH and EC; standard ANC; single addition and sequential NAG; chromium reducible sulphur; carbon forms; and single-stage water extracts and peroxide extracts.

It is further recommended that a selection of samples most representative of key PAF and NAF mine materials will be used for kinetic column test work. This will provide an indication of longer-term leaching behaviour under oxidising conditions. Results from the kinetic column test work can be used to validate and adjust the AMD classification criteria and define geochemical source terms for any water quality modelling.

Leaching of the copper ore domain material will be initiated by irrigating the heap with dilute sulphuric acid solution. Once the copper rich leachate solution has percolated down through the heap it will reach the sub-base or drainage layer that is placed over the entire base of the leach pad. From that point, the residual acidity would be washed from the waste residue prior to emplacement into a waste dump facility.

The residual chemistry of the spent ore from the leach pad is of primary importance to the AMD potential and how it impacts the Waste Rock Management Plan and associated Final Landform and Cover Design for the project.

Noventum recommends additional testing of the four metallurgical heap leach residue samples that capture the expected life of mine range in composition of heap leach residue that will be generated by the project.

The intent of the additional test work would be to provide an indication of the following:

- The acid-forming characteristics of the residues with particular note to the forms of sulphur, actual and potential acidity and effective neutralisation capacity.
- The leaching behaviour of these materials with particular note to residual concentrations of acidity, sulphate and metals and metalloids after several contacts with a rinsing water source.

A test work program that comprises the following:

- Baseline test work on all four (4) composite column samples that includes: Leco Sulphur, standard ANC, and single addition NAG, sulphur speciation, acid-buffering characteristic curve (ABCC), carbon forms, XRD mineralogy, multi-element assay.
- Contingency for samples with residual sulphide content (up to 4 samples): sequential NAG and peroxide extraction (if required).
- Four-stage water extraction using de-ionised water on all four (4) composite column samples.
- Optional 4-stage water extraction using an alternate water source on all four (4) composite column samples (e.g. site groundwater / lime pH adjusted).

The multi-stage water extractions are important to provide an indication of the degree to which the materials will require rinsing and/or lime treatment to attenuate loadings of acidity and metals and metalloids prior to emplacement within the waste rock (overburden) storage facilities.

A more detailed understanding of the distribution of PAF and NAF can be used to develop production schedules of PAF and NAF wastes to form the basis for the AMD management planning, including the design of appropriate waste rock storage facilities

7 References

Bowen H.J.M. (1979) Environmental Chemistry of the Elements, Academic Press, New York, p60-61.

Core Metallurgy (2022). Dianne Deposit Sighter Evaluation for Revolver Resources. Report No. 1392A-001.

Parkinson, G. A. and Bhappu, R. B., 1995, “The Sequential Copper Analysis Method Geological, Mineralogical and Metallurgical Implications”, SME Pre-print 95-90, 1995 SME Annual Meeting, Denver Colorado.

Pearce, S, Warner, J, Sinclair, E, Pearce, J, Olds, W & Weber, P 2016, 'A risk-based approach using process flow diagrams for operational waste rock classification — case studies', in AB Fourie & M Tibbett (eds), *Mine Closure 2016: Proceedings of the 11th International Conference on Mine Closure*, Australian Centre for Geomechanics, Perth, pp. 649-660, https://doi.org/10.36487/ACG_rep/1608_48_Pearce.

PPM Global (2025). Memorandum: Acid Consuming Properties of Dianne Heap Leach Ore. *Progress Report.*

APPENDIX A -

Assessment of Acid Forming Characteristics

Assessment of Acid-Generating Properties

Introduction

Acid rock drainage (ARD) results from the exposure of sulfide minerals like pyrite to oxygen and water, leading to acid production. Identifying materials capable of generating ARD is crucial for implementing appropriate waste management strategies in mining operations.

Several methods exist to evaluate the acid-forming potential of mine waste materials. The most widely used are the Acid-Base Account (ABA) and the Net Acid Generation (NAG) test. These are considered static tests since they provide a single measurement at a given time.

Acid-Base Account (ABA)

The ABA test assesses the balance between acid production (through sulfide oxidation) and acid neutralization (via carbonate dissolution, base exchange, and silicate weathering). The two key values derived from this method are potential acidity and acid neutralizing capacity (ANC). The difference between these values determines the net acid-producing potential (NAPP).

Potential Acidity

Potential acidity is estimated based on the pyrite (FeS_2) content of a sample and assumes complete oxidation:

$$FeS_2 + 15/4\ O_2 + 7/2\ H_2O \rightarrow Fe(OH)_3 + 2\ H_2SO_4$$

A sample containing 1% sulfur as pyrite yields 30.6 kg H_2SO_4 per tonne of material. This potential acidity is called Maximum Potential Acidity (MPA) and is calculated as:

$$MPA\ (kg\ H_2SO_4/t) = (Total\ \%S) \times 30.6$$

Since some sulfur forms (e.g., sulfates, organic sulfur) do not contribute to acidity, using total sulfur for MPA calculation is a conservative approach. More precise estimates can be obtained if specific sulfur forms are identified.

Acid Neutralizing Capacity (ANC)

The ANC measures a material's ability to neutralize acid, typically using the Modified Sobek method. This involves reacting a sample with hydrochloric acid (HCl), allowing time for reactions, then titrating the unreacted acid with sodium hydroxide (NaOH). The ANC is expressed in kg H_2SO_4/t, the same as MPA.

Net Acid Producing Potential (NAPP)

NAPP indicates whether a material may generate acidic drainage:

$$NAPP = MPA - ANC$$

- A negative NAPP suggests sufficient ANC to neutralize acid.
- A positive NAPP suggests the material could be acid-generating.

ANC/MPA Ratio

The ANC/MPA ratio is another way to assess acid generation risk. A ratio greater than 1 indicates acid-neutralizing capacity exceeds acid production potential, while a ratio below 1 suggests possible acid generation. Generally, a ratio of 2 or more signifies low risk for ARD formation.

Acid-Base Account Plot

Sulphur and ANC data are often presented graphically in a format similar to that shown in Figure A-1. This figure includes a line indicating the division between NAPP positive samples from NAPP negative samples. Also shown are lines corresponding to ANC/MPA ratios of 2 and 3.

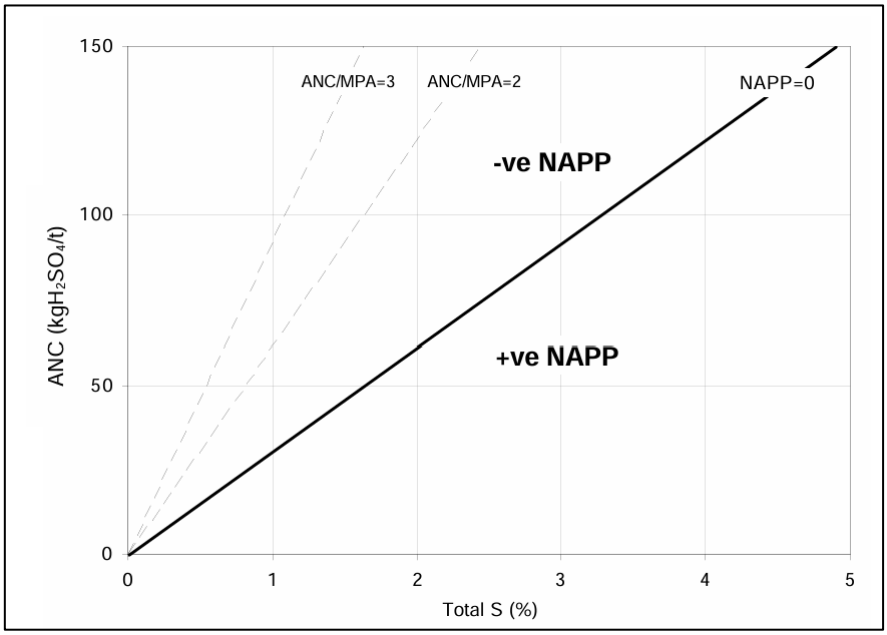

Figure A-1: Acid-base account (ABA) plot

Net Acid Generation (NAG) Test

The NAG test complements the NAPP calculation by measuring actual acid generation when a sample reacts with hydrogen peroxide, which oxidizes sulfide minerals. The final pH (NAGpH) and acid production (NAG capacity) indicate the material's net acid-forming ability.

There are several variations of the NAG test:

Single Addition NAG Test

A sample reacts with hydrogen peroxide overnight, followed by heating and boiling to decompose residual peroxide. The final NAGpH and acid capacity are measured.

Sequential NAG Test

For high-sulfide samples, oxidation may be incomplete in a single test. In sequential NAG tests, multiple peroxide additions ensure complete oxidation before measuring acidity.

Kinetic NAG Test

This variation records temperature and pH changes to evaluate oxidation rates, providing insight into real-world ARD formation.

Extended Boil and Calculated NAG Test

Organic materials can interfere with NAG tests, producing misleading acidity results. The extended boil test decomposes organic acids to isolate pyritic acidity. The calculated NAG test further refines acid-generating potential using ion balance calculations.

Classification of Acid-Forming Potential

Samples are categorized based on ABA and NAG test results into:

- **Barren**: No acid-generating or neutralizing capacity (e.g., highly weathered materials).
- **Non-Acid Forming (NAF)**: Sufficient ANC to neutralize potential acidity (NAPP negative, NAGpH ≥ 4.5).
- **Potentially Acid Forming (PAF)**: Sulfide-rich, with more acid generation potential than neutralization (NAPP positive, NAGpH < 4.5).
- **Uncertain (UC)**: Conflicting results between NAPP and NAG tests, requiring further assessment.

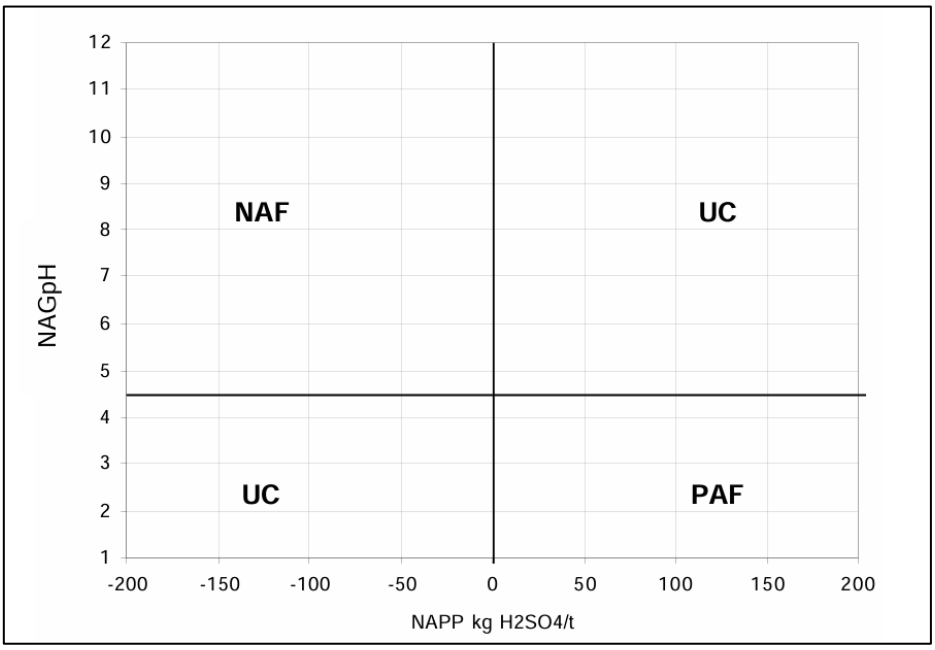

Figure A2: ARD classification plot

Other Assessment Methods

pH and Electrical Conductivity (EC)

Samples equilibrated in deionized water help assess their inherent acidity and salinity, providing an initial estimate of ARD risk.

Acid Buffering Characteristic Curve (ABCC) Test

The ABCC test slowly titrates a sample with acid while monitoring pH, helping determine the portion of ANC that is readily available to neutralize acidity.

These assessment methods collectively provide a comprehensive understanding of a material's potential to generate acid rock drainage.

APPENDIX B -

Raw Data Sample Compilation

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
181902	21DMDD01	0	1.8	1.8	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.63	2.5	0.221	0.057	0.0027	0.6	0.0012	0.306
181903	21DMDD01	1.8	3	1.2	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3	2.5	0.314	0.0637	0.0024	0.9	0.0015	0.306
181905	21DMDD01	3	4	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.21	2.5	0.358	0.052	0.0027	0.7	0.0013	0.306
181906	21DMDD01	4	5	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3	2.5	0.274	0.0364	0.0028	0.7	0.0008	0.306
181907	21DMDD01	5	6	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.24	2.5	0.303	0.0549	0.0028	1.3	0.001	0.306
181908	21DMDD01	6	7	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.81	2.5	0.28	0.0428	0.0026	0.9	0.0008	0.306
181909	21DMDD01	7	8	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.05	2.5	0.201	0.0428	0.0027	0.7	0.0013	0.306
181910	21DMDD01	8	9	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.02	2.5	0.2	0.0394	0.0028	1	0.0009	0.306
181912	21DMDD01	9	10	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.74	2.5	0.307	0.0246	0.0027	0.9	0.0006	0.306
181913	21DMDD01	10	11	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.85	2.5	0.278	0.0335	0.0027	0.9	0.0008	0.306
181914	21DMDD01	11	12	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.8	2.5	0.32	0.033	0.0028	0.9	0.0009	0.306
181915	21DMDD01	12	13	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.38	2.5	0.359	0.022	0.0026	0.5	0.0007	0.306
181916	21DMDD01	13	14	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.41	2.5	0.448	0.0269	0.0025	0.5	0.0007	0.306
181917	21DMDD01	14	15	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.08	2.5	0.737	0.0688	0.0027	0.8	0.001	0.306
181918	21DMDD01	15	16	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	2.63	2.5	0.681	0.0528	0.0026	0.7	0.0007	0.306
181921	21DMDD01	16	17	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.89	2.5	0.529	0.052	0.0026	0.7	0.0016	0.306
181922	21DMDD01	17	18	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.77	2.5	0.506	0.0286	0.0025	0.7	0.0006	0.306
181923	21DMDD01	18	19	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.97	2.5	0.333	0.023	0.0026	0.7	0.0006	0.306
181924	21DMDD01	19	20	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.97	2.5	0.423	0.0228	0.0028	0.7	0.0006	0.306
181925	21DMDD01	20	21	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.25	5	0.371	0.0283	0.003	0.6	0.0006	0.306
181926	21DMDD01	21	22	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.62	2.5	0.266	0.024	0.0024	0.6	0.0005	0.306
181928	21DMDD01	22	23	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.8	2.5	0.67	0.0326	0.0026	1.3	0.0007	0.612
181929	21DMDD01	23	23.5	0.5	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	3.04	2.5	0.629	0.0504	0.0025	1.4	0.0009	0.612
181930	21DMDD01	23.5	24	0.5	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.84	2.5	0.616	0.0705	0.0025	1.1	0.001	0.612
181931	21DMDD01	24	24.5	0.5	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.67	2.5	0.852	0.0703	0.0024	1.1	0.0009	0.612
181932	21DMDD01	24.5	25	0.5	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	2.94	5	1.245	0.0774	0.0024	0.9	0.0009	0.612
181933	21DMDD01	25	25.5	0.5	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	2.99	2.5	1.05	0.045	0.0025	0.9	0.0009	0.612
181934	21DMDD01	25.5	26	0.5	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.65	2.5	0.775	0.0247	0.0025	1	0.0008	0.612
181935	21DMDD01	26	27	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.5	2.5	0.134	0.0303	0.0025	1.9	0.0008	0.612
181936	21DMDD01	27	28	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.42	2.5	0.068	0.0331	0.0025	2.6	0.0008	0.612
181937	21DMDD01	28	28.3	0.3	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	3.6	2.5	0.915	0.0765	0.0028	4.6	0.0011	0.918
181938	21DMDD01	28.3	29	0.7	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.46	2.5	0.058	0.0373	0.0024	20	0.0008	0.612
181941	21DMDD01	29	30	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.39	2.5	0.054	0.038	0.0026	30	0.0009	0.918
181942	21DMDD01	30	31	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.29	2.5	0.01	0.0385	0.0026	39.8	0.0008	0.612
181943	21DMDD01	31	31.5	0.5	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	2.84	5	0.27	0.0553	0.0025	5.5	0.001	0.612
181944	21DMDD01	31.5	32	0.5	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	2.7	2.5	0.362	0.0392	0.0026	0.9	0.0008	0.612
181945	21DMDD01	32	32.5	0.5	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	2.6	5	0.399	0.0586	0.0025	0.8	0.0009	0.612

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
181946	21DMDD01	32.5	33	0.5	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	2.52	2.5	0.252	0.0493	0.0026	0.25	0.0009	0.612
181947	21DMDD01	33	33.6	0.6	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.05	3.3	7	1.075	0.0677	0.0023	0.6	0.0011	1.53
181949	21DMDD01	33.6	34	0.4	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	3.07	2.5	0.522	0.0504	0.0024	0.8	0.0009	0.612
181951	21DMDD01	34	35	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.83	2.5	0.033	0.0903	0.0026	34.7	0.0015	0.612
181952	21DMDD01	35	36	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.65	2.5	0.006	0.082	0.0026	35.8	0.0014	0.918
181953	21DMDD01	36	36.5	0.5	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.75	2.5	0.055	0.09	0.0026	4.4	0.0014	0.612
181954	21DMDD01	36.5	37	0.5	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.79	2.5	0.156	0.0722	0.0026	12.5	0.0011	0.612
181955	21DMDD01	37	38	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.75	2.5	0.058	0.1125	0.0024	37.6	0.0015	0.612
181956	21DMDD01	38	39	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	2.72	2.5	0.549	0.0566	0.0026	1.2	0.0008	0.918
181957	21DMDD01	39	40	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	2.49	2.5	0.448	0.0281	0.0025	0.7	0.0006	0.918
181958	21DMDD01	40	41	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	3.05	2.5	0.418	0.0358	0.0022	0.7	0.0007	0.612
181959	21DMDD01	41	42	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	3.09	5	0.758	0.0291	0.0026	0.9	0.001	0.612
181961	21DMDD01	42	43	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.89	5	0.509	0.0286	0.0023	0.7	0.0008	0.612
181962	21DMDD01	43	43.5	0.5	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.07	5	0.624	0.0333	0.0025	0.5	0.0009	0.306
181963	21DMDD01	43.5	44	0.5	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.4	2.5	1.06	0.0385	0.0021	0.7	0.0009	0.306
181964	21DMDD01	44	44.4	0.4	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.91	5	0.488	0.0335	0.0026	0.8	0.0008	0.612
181965	21DMDD01	44.4	45	0.6	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.12	2.5	0.148	0.0236	0.0024	0.5	0.0006	1.224
181968	21DMDD01	45	46	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.4	5	0.174	0.0292	0.0025	0.5	0.0007	0.918
181969	21DMDD01	46	47	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	3.13	6	1.51	0.033	0.0028	0.6	0.0007	0.612
181970	21DMDD01	47	47.85	0.85	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	2.88	7	1.865	0.0232	0.0022	0.25	0.0006	0.612
181971	21DMDD01	47.85	48.8	0.95	VNQTZ	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.92	9	0.977	0.042	0.0026	0.6	0.0005	0.306
181973	21DMDD01	48.8	50	1.2	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.08	3.62	5	0.521	0.0337	0.0036	0.25	0.0008	2.448
181974	21DMDD01	50	51	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	3.11	5	0.784	0.0246	0.003	0.25	0.0006	0.918
181975	21DMDD01	51	52	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.89	6	0.399	0.028	0.0026	0.25	0.0008	0.306
181976	21DMDD01	52	53	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.66	5	0.414	0.0216	0.0025	0.25	0.0007	0.612
181977	21DMDD01	53	54	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	2.6	2.5	0.342	0.0213	0.0025	0.25	0.0007	0.918
181978	21DMDD01	54	55	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.03	3.11	7	0.798	0.0278	0.0026	0.25	0.0008	0.918
181979	21DMDD01	55	56	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.02	2.5	0.697	0.0274	0.0024	0.25	0.0009	0.306
181981	21DMDD01	56	57.1	1.1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	4.53	6	0.195	0.0387	0.0031	0.25	0.0015	0.306
181982	21DMDD01	57.1	58.1	1	BXT	Greenhills_Mineralisation Oxide Ore	Oxide	0.04	5.02	5	3.02	0.0973	0.0015	0.25	0.0019	1.224
181983	21DMDD01	58.1	59	0.9	SDST	Western_Waste_Zone	Oxide	0.01	3.75	2.5	0.141	0.0369	0.0006	0.25	0.0014	0.306
181984	21DMDD01	59	59.7	0.7	SDST	Western_Waste_Zone	Oxide	0.01	3.8	2.5	0.104	0.0464	0.0013	0.5	0.0012	0.306
181985	21DMDD01	59.7	60.1	0.4	SDST	Western_Waste_Zone	Oxide	0.01	2.72	2.5	0.064	0.0268	0.0027	0.25	0.0009	0.306
181986	21DMDD01	60.1	60.9	0.8	SDST	Western_Waste_Zone	Oxide	0.02	2.63	2.5	0.181	0.0445	0.0022	0.25	0.001	0.612
181987	21DMDD01	60.9	62	1.1	SDST	Western_Waste_Zone	Oxide	0.02	2.9	5	0.046	0.0805	0.0027	12.9	0.0016	0.612
181989	21DMDD01	62	63	1	SDST	Western_Waste_Zone	Oxide	0.05	3.74	6	0.003	0.0967	0.0033	1.9	0.0019	1.53
181990	21DMDD01	63	64	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.03	3.35	2.5	0.003	0.122	0.0028	1.5	0.0017	0.918

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
181991	21DMDD01	64	65	1	SDST	Western_Waste_Zone	Oxide	0.02	3.7	6	0.002	0.0683	0.0034	0.25	0.0018	0.612
181992	21DMDD01	67.5	68.5	1	SDST	Western_Waste_Zone	Oxide	0.02	2.91	2.5	0.0028	0.0079	0.0027	0.25	0.0007	0.612
181993	21DMDD01	71	72	1	SDST	Western_Waste_Zone	Oxide	0.05	3.62	9	0.0036	0.01	0.0041	0.25	0.001	1.53
181994	21DMDD01	72	72.6	0.6	SDST	Western_Waste_Zone	Oxide	0.02	2.66	6	0.0024	0.0071	0.0028	0.25	0.0008	0.612
181995	21DMDD01	72.6	73.3	0.7	SDST	Western_Waste_Zone	Oxide	0.05	3.67	7	0.0035	0.0101	0.0037	0.25	0.0012	1.53
181997	21DMDD01	73.3	74	0.7	SDST	Western_Waste_Zone	Oxide	0.03	2.94	6	0.0025	0.0078	0.0031	0.25	0.0008	0.918
181999	21DMDD02	0	1	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.45	5	0.51	0.0504	0.0025	1.4	0.002	0.306
182000	21DMDD02	1	2	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.08	2.5	1.01	0.0341	0.0025	1	0.0009	0.306
182002	21DMDD02	2	3	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.82	5	0.936	0.0531	0.0025	1	0.0018	0.306
182003	21DMDD02	3	4	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.32	5	0.747	0.048	0.0028	0.7	0.0008	0.306
182004	21DMDD02	4	5	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.19	2.5	0.806	0.0458	0.0025	0.8	0.0007	0.306
182005	21DMDD02	5	6	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.31	2.5	0.758	0.0497	0.0028	0.8	0.0007	0.306
182006	21DMDD02	6	7	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.19	2.5	0.612	0.0379	0.0027	0.6	0.0008	0.306
182007	21DMDD02	7	8	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.28	2.5	0.425	0.0276	0.0028	0.7	0.0007	0.306
182008	21DMDD02	8	9	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.06	2.5	0.332	0.0301	0.0028	0.5	0.0007	0.306
182010	21DMDD02	9	10	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.25	2.5	0.29	0.0315	0.0029	0.5	0.001	0.306
182011	21DMDD02	10	11	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.08	2.5	0.453	0.0351	0.0031	0.25	0.0007	0.306
182012	21DMDD02	11	12	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.86	2.5	0.422	0.0334	0.0027	0.25	0.0009	0.306
182013	21DMDD02	12	13	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.08	2.5	0.572	0.044	0.0026	0.5	0.0021	0.306
182014	21DMDD02	13	13.7	0.7	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.38	2.5	1.42	0.0511	0.0025	0.7	0.0007	0.306
182015	21DMDD02	13.7	14.1	0.4	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.77	5	2.29	0.0511	0.0025	0.7	0.0009	0.306
182016	21DMDD02	14.1	15.15	1.05	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3	2.5	1.795	0.0379	0.0025	0.7	0.0006	0.306
182017	21DMDD02	15.15	15.7	0.55	VNQTZ	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	4.51	2.5	3.26	0.0622	0.0027	1	0.0007	0.306
182018	21DMDD02	15.7	17	1.3	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.01	2.5	1.07	0.0326	0.0024	0.7	0.0008	0.306
182019	21DMDD02	17	18	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.84	2.5	0.315	0.0223	0.0025	0.6	0.0009	0.306
182022	21DMDD02	18	19	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.33	6	0.336	0.0266	0.0027	0.7	0.0009	0.306
182023	21DMDD02	19	20	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.58	2.5	0.268	0.0405	0.0026	1	0.0012	0.306
182024	21DMDD02	20	21	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.46	2.5	0.266	0.0706	0.003	1	0.0011	0.306
182025	21DMDD02	21	22	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.04	3.04	2.5	0.384	0.0523	0.0028	1.3	0.0009	1.224
182026	21DMDD02	22	23	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	2.88	2.5	0.682	0.0532	0.0024	0.9	0.0007	0.612
182027	21DMDD02	23	24	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	3.09	2.5	0.722	0.0487	0.0026	0.9	0.0009	0.612
182029	21DMDD02	24	25	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.92	2.5	0.704	0.0472	0.0027	1	0.0007	0.612
182030	21DMDD02	25	26	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.88	2.5	0.611	0.0312	0.0025	0.9	0.0006	0.306
182031	21DMDD02	26	27	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.89	5	1.185	0.027	0.0026	0.9	0.0004	0.306
182032	21DMDD02	27	27.7	0.7	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.06	2.5	1.37	0.0338	0.0027	0.7	0.0007	0.306
182033	21DMDD02	27.7	28	0.3	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	5.71	9	3.09	0.0681	0.0025	1.2	0.001	0.306
182034	21DMDD02	28	29	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.88	2.5	1.02	0.0279	0.0026	0.6	0.0005	0.306

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182035	21DMDD02	29	30	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.63	6	0.669	0.0282	0.0025	0.8	0.0011	0.306
182036	21DMDD02	30	31	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.27	2.5	1.3	0.02	0.0024	0.7	0.0006	0.306
182039	21DMDD02	31	31.6	0.6	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.64	6	1.415	0.0237	0.0024	0.7	0.0005	0.306
182040	21DMDD02	31.6	32.3	0.7	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	4.94	16	1.955	0.0401	0.0024	0.9	0.0013	0.306
182041	21DMDD02	32.3	32.6	0.3	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.68	2.5	0.878	0.0238	0.003	0.5	0.0005	0.306
182042	21DMDD02	32.6	33	0.4	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	2.97	9	1.11	0.0165	0.0023	0.5	0.0006	0.306
182043	21DMDD02	33	34.3	1.3	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	2.99	2.5	0.991	0.019	0.0025	0.25	0.0004	0.306
182044	21DMDD02	34.3	34.8	0.5	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	6	13	2.71	0.0397	0.0033	0.9	0.0005	0.306
182045	21DMDD02	34.8	36	1.2	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.16	2.5	1.015	0.0266	0.0025	0.5	0.0005	0.153
182046	21DMDD02	36	37	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.91	2.5	0.779	0.0225	0.0025	0.25	0.0005	0.153
182047	21DMDD02	37	38	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.82	2.5	1.115	0.0177	0.0025	0.25	0.0005	0.153
182048	21DMDD02	38	38.7	0.7	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.01	6	2.67	0.0233	0.0026	0.25	0.0006	0.306
182050	21DMDD02	38.7	40	1.3	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	4.32	2.5	2.52	0.0293	0.0031	0.25	0.0012	0.306
182052	21DMDD02	40	41	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.17	3.65	2.5	1.3	0.0246	0.0011	0.25	0.0018	5.202
182053	21DMDD02	41	42.8	1.8	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	7.79	20	2.2	0.1195	0.0009	1.1	0.0013	0.306
182055	21DMDD02	42.8	43.6	0.8	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.2	2.5	1.255	0.0342	0.0006	0.25	0.0009	0.306
182056	21DMDD02	43.6	44.1	0.5	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	4.66	6	1.425	0.077	0.0012	0.8	0.0015	0.612
182057	21DMDD02	44.1	45	0.9	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	4.95	7	0.735	0.0629	0.0016	0.25	0.0016	0.612
182058	21DMDD02	45	46	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.98	5	0.255	0.0319	0.0023	0.25	0.0009	0.306
182059	21DMDD02	46	47	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	3.12	2.5	0.319	0.0603	0.0025	0.25	0.0011	0.612
182060	21DMDD02	47	48	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	4.37	5	0.724	0.0995	0.0034	0.25	0.0018	0.306
182061	21DMDD02	48	49	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.35	6	0.416	0.0762	0.0025	0.25	0.0012	0.306
182062	21DMDD02	49	50	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	4.9	6	0.677	0.144	0.0033	0.25	0.0019	0.306
182063	21DMDD02	50	51	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.01	7.25	2.5	0.022	0.382	0.0047	9.3	0.0051	0.306
182064	21DMDD02	51	51.5	0.5	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.01	6.24	8	0.002	0.143	0.0053	2.6	0.003	0.306
182065	21DMDD02	51.5	52	0.5	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.01	4.35	6	0.002	0.237	0.0037	4.6	0.0029	0.306
182066	21DMDD02	52	53	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.02	5.75	8	0.03	0.392	0.0035	6.7	0.0056	0.612
182069	21DMDD02	53	54	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.01	3.52	7	0.001	0.149	0.0023	0.7	0.0027	0.306
182070	21DMDD02	54	55	1	SDST	Western_Waste_Zone	Oxide	0.02	2.55	6	0.002	0.0123	0.0022	0.25	0.0009	0.612
182071	21DMDD02	55	56	1	SDST	Western_Waste_Zone	Oxide	0.03	3.41	6	0.003	0.051	0.0027	1.6	0.0016	0.918
182072	21DMDD02	56	57	1	SHLE	Western_Waste_Zone	Oxide	0.1	3.98	10	0.005	0.0181	0.0041	0.25	0.0013	3.06
182073	21DMDD02	57	57.8	0.8	SHLE	Western_Waste_Zone	Oxide	0.04	3.47	7	0.004	0.0122	0.0031	0.25	0.0011	1.224
182141	21DMDD04A	38	39	1	SDST	Eastern_Waste_Zone	Oxide	0.01	3.96	15	0.0047	0.0415	0.0037	0.25	0.0016	0.306
182142	21DMDD04A	47.9	49	1.1	SDST	Eastern_Waste_Zone	Oxide	0.01	3.56	8	0.0029	0.0858	0.0029	0.25	0.0016	0.306
182143	21DMDD04A	49	50	1	SDST	Eastern_Waste_Zone	Oxide	0.01	4.41	9	0.0022	0.251	0.002	0.6	0.0016	0.306
182145	21DMDD04A	50	51	1	SHLE	Eastern_Waste_Zone	Oxide	0.13	5.03	8	0.0052	0.15	0.004	1.5	0.0017	3.978
182146	21DMDD04A	51	52.4	1.4	SHLE	Eastern_Waste_Zone	Oxide	0.03	5.55	12	0.0054	0.22	0.0031	0.25	0.0015	0.918

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182147	21DMDD04A	56	57	1	SLST	Eastern_Waste_Zone	Oxide	0.03	3.37	10	0.0022	0.0127	0.0035	0.25	0.0013	0.918
182148	21DMDD04A	57	58.1	1.1	SLST	Eastern_Waste_Zone	Oxide	0.02	4.25	14	0.0019	0.0236	0.0045	0.25	0.0015	0.612
182149	21DMDD04A	58.1	59.1	1	SLST	Eastern_Waste_Zone	Oxide	0.01	4.61	17	0.0013	0.0185	0.0041	0.25	0.0018	0.306
182150	21DMDD04A	59.1	60	0.9	SLST	Eastern_Waste_Zone	Oxide	0.03	4.57	17	0.002	0.032	0.0026	0.25	0.0017	0.918
182151	21DMDD04A	78	79	1	SDST	Eastern_Waste_Zone	Oxide	0.11	6.81	8	0.0055	0.858	0.0038	49.6	0.0031	3.366
182152	21DMDD04A	91.4	92	0.6	SHLE	Eastern_Waste_Zone	Transition	0.03	5.14	9	0.0042	0.414	0.0037	1.7	0.0026	0.918
182153	21DMDD04A	92	93	1	SHLE	Eastern_Waste_Zone	Transition	0.14	5.64	8	0.0047	0.453	0.0043	3.4	0.0032	4.284
182154	21DMDD04A	93	94	1	SHLE	Eastern_Waste_Zone	Transition	0.06	4.9	6	0.0049	0.234	0.0049	3.3	0.0022	1.836
182155	21DMDD04A	94	95	1	SHLE	Eastern_Waste_Zone	Transition	0.3	5.18	8	0.0046	0.414	0.0045	22.7	0.0024	9.18
182156	21DMDD04A	95	95.65	0.65	SHLE	Eastern_Waste_Zone	Transition	0.32	6.6	7	0.0049	0.692	0.0045	74.2	0.0034	9.792
182157	21DMDD04A	95.65	96.4	0.75	SHLE	Eastern_Waste_Zone	Transition	0.29	5.29	2.5	0.0038	0.627	0.0044	353	0.0027	8.874
182158	21DMDD04A	96.4	98	1.6	SHLE	Main_Zone_Transition_Ore	Transition	2.45	9.51	6	1.845	0.614	0.0039	1070	0.0035	74.97
182159	21DMDD04A	98	98.5	0.5	SHLE	Main_Zone_Transition_Ore	Transition	0.17	8.77	39	5.7	0.1035	0.0026	6.1	0.0041	5.202
182160	21DMDD04A	98.5	99	0.5	ALTN	Main_Zone_Transition_Ore	Transition	0.09	14.95	93	11.4	0.144	0.0007	4.4	0.0067	2.754
182161	21DMDD04A	99	99.6	0.6	ALTN	Main_Zone_Transition_Ore	Transition	0.07	8.51	66	2.47	0.16	0.0008	2	0.0063	2.142
182163	21DMDD04A	99.6	100.2	0.6	ALTN	Main_Zone_Transition_Ore	Transition	0.08	7.25	52	1.685	0.151	0.0009	1.6	0.0055	2.448
182164	21DMDD04A	100.2	101	0.8	ALTN	Main_Zone_Transition_Ore	Transition	0.16	7.36	69	2.58	0.132	0.0013	1.4	0.0053	4.896
182166	21DMDD04A	101	101.5	0.5	ALTN	Main_Zone_Transition_Ore	Transition	0.34	7.45	101	3.79	0.1155	0.0015	1.6	0.0049	10.404
182167	21DMDD04A	101.5	102	0.5	ALTN	Main_Zone_Transition_Ore	Transition	0.82	5.48	64	1.85	0.133	0.0015	1.2	0.0039	25.092
182169	21DMDD04A	102	102.7	0.7	ALTN	Main_Zone_Transition_Ore	Transition	1.51	4.09	67	1.885	0.1555	0.0015	1.5	0.0037	46.206
182170	21DMDD04A	102.7	103.5	0.8	ALTN	Main_Zone_Transition_Ore	Transition	3.32	1.72	59	1.385	0.132	0.0011	1.5	0.0025	101.592
182171	21DMDD04A	103.5	103.82	0.32	ALTN	Greenhills_Transition_Mineralised_Ore	Transition	2.88	0.65	42	0.436	0.121	0.0005	1.9	0.0022	88.128
182173	21DMDD04A	103.82	104.5	0.68	SHLE	Greenhills_Transition_Waste	Transition	5.5	0.44	36	0.154	0.0869	0.0005	1.4	0.0017	168.3
182174	21DMDD04A	104.5	105.6	1.1	SHLE	Greenhills_Transition_Waste	Transition	2.89	0.65	31	0.0921	0.0778	0.0032	1.1	0.001	88.434
182175	21DMDD04A	105.6	106.3	0.7	SHLE	Greenhills_Transition_Waste	Transition	2.76	1.16	18	0.0942	0.0309	0.0061	0.25	0.0008	84.456
182177	21DMDD04A	106.3	107	0.7	SHLE	Greenhills_Transition_Waste	Transition	2.68	1.14	19	0.0773	0.049	0.0069	0.6	0.001	82.008
182178	21DMDD04A	107	108	1	SHLE	Greenhills_Transition_Waste	Transition	3.78	0.99	26	0.0745	0.0331	0.006	0.6	0.0008	115.668
182179	21DMDD04A	108	109	1	SHLE	Main_Zone_Transition_Ore	Transition	4.12	0.89	61	0.342	0.0424	0.0037	0.9	0.0005	126.072
182180	21DMDD04A	109	110	1	SHLE	Greenhills_Transition_Waste	Transition	1.69	0.95	22	0.053	0.0917	0.005	1.1	0.0011	51.714
182181	21DMDD04A	110	111	1	SHLE	Greenhills_Transition_Waste	Transition	2.39	1.14	23	0.0667	0.2	0.0048	1.7	0.0015	73.134
182182	21DMDD04A	111	112	1	SHLE	Greenhills_Transition_Waste	Transition	1	1.23	21	0.068	0.259	0.0042	2	0.0016	30.6
182183	21DMDD04A	112	113	1	SHLE	Greenhills_Transition_Waste	Transition	0.9	1.12	13	0.0476	0.152	0.0027	1.1	0.0011	27.54
182184	21DMDD04A	113	114	1	SDST	Greenhills_Transition_Waste	Transition	0.76	0.98	11	0.0453	0.108	0.0031	0.9	0.0009	23.256
182186	21DMDD05	22	23	1	SHLE	Eastern_Waste_Zone	Oxide	0.005	3.26	7	0.0025	0.0079	0.0024	0.25	0.0007	0.153
182187	21DMDD05	23	24	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.45	6	0.0027	0.0082	0.0022	0.25	0.0008	0.153
182188	21DMDD05	24	25	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.2	2.5	0.0024	0.0073	0.0031	0.25	0.0007	0.153
182189	21DMDD05	25	26	1	SDST	Eastern_Waste_Zone	Oxide	0.005	2.57	7	0.0015	0.0064	0.0025	0.25	0.0008	0.153

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182190	21DMDD05	35	36	1	SHLE	Eastern_Waste_Zone	Oxide	0.005	3.71	9	0.0034	0.0113	0.0036	0.25	0.0011	0.153
182191	21DMDD05	36	37	1	SHLE	Eastern_Waste_Zone	Oxide	0.005	3.28	12	0.0029	0.009	0.0032	0.25	0.0009	0.153
182193	21DMDD05	37	38	1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.05	11	0.004	0.0118	0.004	0.25	0.0013	0.153
182194	21DMDD05	38	39	1	SDST	Eastern_Waste_Zone	Oxide	0.005	2.75	9	0.0017	0.0075	0.0028	0.25	0.001	0.153
182195	21DMDD05	39	40	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.45	7	0.0025	0.0082	0.0025	0.25	0.0007	0.153
182196	21DMDD05	40	41	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.48	10	0.003	0.0097	0.0036	0.25	0.0011	0.153
182197	21DMDD05	41	42	1	SDST	Eastern_Waste_Zone	Oxide	0.01	3.43	7	0.0023	0.0083	0.0031	0.25	0.0008	0.306
182198	21DMDD05	42	43	1	SHLE	Eastern_Waste_Zone	Oxide	0.005	3.62	10	0.0032	0.0105	0.0038	0.25	0.0012	0.153
182199	21DMDD05	43	44	1	SHLE	Eastern_Waste_Zone	Oxide	0.03	4.49	13	0.0044	0.013	0.0047	0.25	0.0015	0.918
182200	21DMDD05	44	45	1	SHLE	Eastern_Waste_Zone	Oxide	0.01	4.66	13	0.0045	0.0114	0.0042	0.25	0.001	0.306
182201	21DMDD05	45	46	1	SHLE	Eastern_Waste_Zone	Oxide	0.005	3.77	7	0.0033	0.0099	0.0033	0.25	0.001	0.153
182202	21DMDD05	46	47	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.91	11	0.0036	0.0113	0.0038	0.25	0.001	0.153
182203	21DMDD05	47	48	1	SHLE	Eastern_Waste_Zone	Oxide	0.005	4.43	8	0.0037	0.0125	0.0039	0.25	0.0012	0.153
182205	21DMDD05	82	83	1	SHLE	Eastern_Waste_Zone	Oxide	0.06	3.75	10	0.0028	0.0183	0.0032	0.25	0.0012	1.836
182206	21DMDD05	83	84	1	SDST	Eastern_Waste_Zone	Oxide	0.02	3.22	11	0.0015	0.0712	0.0027	0.25	0.0014	0.612
182207	21DMDD05	84	85	1	SDST	Eastern_Waste_Zone	Oxide	0.02	2.69	9	0.0011	0.0289	0.0024	0.25	0.001	0.612
182208	21DMDD05	85	86	1	SDST	Eastern_Waste_Zone	Oxide	0.01	2.45	7	0.0017	0.0087	0.0025	0.25	0.0009	0.306
182209	21DMDD05	86	87	1	SDST	Eastern_Waste_Zone	Oxide	0.04	3.26	12	0.0023	0.0091	0.0032	0.25	0.0009	1.224
182210	21DMDD05	87	87.9	0.9	SHLE	Eastern_Waste_Zone	Oxide	0.06	4.1	15	0.0039	0.0115	0.0036	0.25	0.0013	1.836
182211	21DMDD05	87.9	88.1	0.2	SLST	Eastern_Waste_Zone	Oxide	0.03	2.14	8	0.0004	0.0038	0.0098	0.25	0.0004	0.918
182212	21DMDD05	88.1	89	0.9	SLST	Eastern_Waste_Zone	Oxide	0.05	2.94	17	0.0017	0.0073	0.0027	0.25	0.0008	1.53
182213	21DMDD05	89	90	1	SLST	Eastern_Waste_Zone	Oxide	0.02	3.95	5	0.0004	0.0085	0.0014	0.25	0.0009	0.612
182214	21DMDD05	123	124	1	SDST	Eastern_Waste_Zone	Transition	0.06	3.89	12	0.0023	0.158	0.0028	0.25	0.0018	1.836
182215	21DMDD05	124	125	1	SDST	Eastern_Waste_Zone	Transition	0.04	2.72	10	0.0014	0.0147	0.0026	0.25	0.0009	1.224
182216	21DMDD05	125	126	1	SDST	Eastern_Waste_Zone	Transition	0.03	2.61	6	0.0016	0.0242	0.0022	0.25	0.001	0.918
182217	21DMDD05	126	127	1	SDST	Eastern_Waste_Zone	Transition	0.05	3.69	9	0.0016	0.1925	0.0028	1.8	0.002	1.53
182218	21DMDD05	127	128	1	SDST	Eastern_Waste_Zone	Transition	0.03	3.41	6	0.0013	0.233	0.0021	1.9	0.0022	0.918
182219	21DMDD05	128	129	1	SDST	Eastern_Waste_Zone	Transition	0.05	3.66	5	0.0014	0.176	0.0025	0.8	0.0017	1.53
182222	21DMDD05	129	130	1	SDST	Eastern_Waste_Zone	Transition	0.02	2.35	6	0.0014	0.0152	0.0024	0.25	0.0008	0.612
182223	21DMDD05	130	131	1	SHLE	Eastern_Waste_Zone	Transition	0.05	3.56	9	0.002	0.0108	0.0033	0.25	0.0011	1.53
182224	21DMDD05	178	179	1	SDST	Eastern_Waste_Zone	Transition	0.01	5	19	0.0028	0.0077	0.0009	0.25	0.0036	0.306
182225	21DMDD05	179	180	1	SDST	Eastern_Waste_Zone	Transition	0.06	2.83	2.5	0.0023	0.0077	0.0031	0.25	0.0009	1.836
182226	21DMDD05	180	181	1	SHLE	Eastern_Waste_Zone	Primary	0.04	3.17	6	0.0033	0.0088	0.0032	0.25	0.001	1.224
182227	21DMDD05	181	182	1	SHLE	Eastern_Waste_Zone	Primary	0.02	2.98	5	0.0022	0.0079	0.003	0.25	0.0008	0.612
182228	21DMDD05	182	183	1	SDST	Eastern_Waste_Zone	Primary	0.03	2.35	2.5	0.0014	0.0062	0.0024	0.25	0.0006	0.918
182229	21DMDD05	183	184	1	SDST	Eastern_Waste_Zone	Primary	0.04	2.59	6	0.0014	0.007	0.0026	0.25	0.0008	1.224
182230	21DMDD05	184	185	1	SDST	Eastern_Waste_Zone	Primary	0.48	3.6	2.5	0.0024	0.192	0.0024	0.6	0.0009	14.688

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182231	21DMDD05	185	185.5	0.5	SDST	Western_Waste_Zone	Primary	0.53	5.36	5	0.0014	0.461	0.0024	1.3	0.0008	16.218
182232	21DMDD05	185.5	186.5	1	SHLE	Western_Waste_Zone	Primary	0.58	4.82	7	0.0041	0.1525	0.0043	1.3	0.0014	17.748
182233	21DMDD05	186.5	187.2	0.7	SHLE	Western_Waste_Zone	Primary	1.45	5.25	2.5	0.0116	0.155	0.0023	0.6	0.0018	44.37
182234	21DMDD05	187.2	187.4	0.2	MSUL	Western_Waste_Zone	Primary	19.35	22	2.5	0.237	0.1595	0.0252	5.3	0.013	592.11
182235	21DMDD05	187.4	187.6	0.2	SHLE	Western_Waste_Zone	Primary	1	3.06	7	0.0083	0.154	0.0029	15.6	0.003	30.6
182237	21DMDD05	187.6	187.65	0.05	SHLE	Main_Zone_Primary_Ore	Primary	8.34	13.5	56	1.085	0.1735	0.0606	14.1	0.0175	255.204
182237	21DMDD06	187.65	187.72	0.07	MSUL	Main_Zone_Primary_Ore	Primary	8.34	13.5	56	1.085	0.1735	0.0606	14.1	0.0175	255.204
182237	21DMDD07	187.72	187.8	0.08	CHRT	Main_Zone_Primary_Ore	Primary	8.34	13.5	56	1.085	0.1735	0.0606	14.1	0.0175	255.204
182238	21DMDD05	187.8	188	0.2	SDST	Main_Zone_Primary_Ore	Primary	1.51	4.45	2.5	0.0065	0.0392	0.0022	6.2	0.0017	46.206
182240	21DMDD05	188	188.01	0.01	SDST	Main_Zone_Primary_Ore	Primary	15.55	14.55	44	7.82	0.102	0.0093	14.8	0.0111	475.83
182240	21DMDD05	188.01	188.09	0.08	MSUL	Main_Zone_Primary_Ore	Primary	15.55	14.55	44	7.82	0.102	0.0093	14.8	0.0111	475.83
182240	21DMDD05	188.09	188.18	0.09	SHLE	Main_Zone_Primary_Ore	Primary	15.55	14.55	44	7.82	0.102	0.0093	14.8	0.0111	475.83
182240	21DMDD05	188.18	188.2	0.02	SHLE	Main_Zone_Primary_Ore	Primary	15.55	14.55	44	7.82	0.102	0.0093	14.8	0.0111	475.83
182241	21DMDD05	188.2	188.28	0.08	SHLE	Western_Waste_Zone	Primary	7.53	7.3	8	0.16	0.475	0.0084	31.5	0.0049	230.418
182241	21DMDD05	188.28	188.32	0.04	SHLE	Western_Waste_Zone	Primary	7.53	7.3	8	0.16	0.475	0.0084	31.5	0.0049	230.418
182241	21DMDD05	188.32	188.39	0.07	MSUL	Western_Waste_Zone	Primary	7.53	7.3	8	0.16	0.475	0.0084	31.5	0.0049	230.418
182241	21DMDD05	188.39	188.44	0.05	SHLE	Western_Waste_Zone	Primary	7.53	7.3	8	0.16	0.475	0.0084	31.5	0.0049	230.418
182241	21DMDD05	188.44	188.53	0.09	SHLE	Western_Waste_Zone	Primary	7.53	7.3	8	0.16	0.475	0.0084	31.5	0.0049	230.418
182241	21DMDD05	188.53	188.6	0.07	SDST	Western_Waste_Zone	Primary	7.53	7.3	8	0.16	0.475	0.0084	31.5	0.0049	230.418
182242	21DMDD05	188.6	189	0.4	SDST	Western_Waste_Zone	Primary	1.3	5.86	2.5	0.0084	0.0509	0.0023	4.4	0.0021	39.78
182243	21DMDD05	189	190	1	SDST	Western_Waste_Zone	Primary	0.43	4.66	8	0.0037	0.192	0.0032	0.7	0.001	13.158
182246	21DMDD05	190	191	1	SDST	Western_Waste_Zone	Primary	0.24	3.5	5	0.002	0.114	0.0026	0.25	0.0008	7.344
182247	21DMDD05	191	192	1	SDST	Western_Waste_Zone	Primary	0.02	2.81	2.5	0.0017	0.0094	0.0023	0.25	0.0008	0.612
182291	22DMDD07	2	3	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	7.89	2.5	0.021	1.04	0.0044	50	0.0059	0.306
182292	22DMDD07	3	4	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	5.09	8	0.016	0.484	0.0028	23.2	0.0043	0.306
182293	22DMDD07	4	5	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	5.03	2.5	0.098	0.396	0.0022	28.5	0.0039	0.153
182294	22DMDD07	5	6	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.5	2.5	0.075	0.287	0.0027	13.6	0.0026	0.153
182295	22DMDD07	6	7	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.82	6	0.101	0.272	0.0026	16.5	0.0022	0.153
182296	22DMDD07	7	8	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.06	7	0.218	0.264	0.0028	14.2	0.0024	0.153
182297	22DMDD07	8	9	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.15	2.5	0.177	0.073	0.0025	3.7	0.0012	0.153
182299	22DMDD07	9	10	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.5	2.5	0.118	0.0454	0.0033	2.3	0.0008	0.153
182300	22DMDD07	10	11	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.78	5	0.162	0.0621	0.0033	3.7	0.0009	0.153
182301	22DMDD07	11	12	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.09	10	0.276	0.1835	0.0032	14	0.002	0.153
182302	22DMDD07	12	13	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	5.1	8	0.209	0.286	0.0031	15.4	0.004	0.153
182303	22DMDD07	13	14	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.87	10	0.183	0.1395	0.003	6.4	0.0013	0.153
182304	22DMDD07	14	15	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.1	6	0.08	0.0835	0.0028	2.2	0.0009	0.153
182305	22DMDD07	15	16	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.18	6	0.074	0.0683	0.0025	1.4	0.0006	0.153

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182306	22DMDD07	16	17	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.54	5	0.123	0.0889	0.0023	2.1	0.0008	0.153
182307	22DMDD07	17	18	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.82	7	0.103	0.0569	0.0035	1	0.0006	0.153
182308	22DMDD07	18	19	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.78	7	0.17	0.0932	0.0029	1.8	0.0011	0.153
182311	22DMDD07	19	20	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.44	5	0.07	0.0617	0.0025	2	0.0022	0.153
182312	22DMDD07	20	21	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.98	5	0.061	0.0521	0.0026	1.5	0.0006	0.153
182313	22DMDD07	21	22	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.99	6	0.056	0.0662	0.0025	1.4	0.0007	0.153
182314	22DMDD07	22	23	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.37	7	0.034	0.0569	0.0029	2.2	0.0009	0.153
182315	22DMDD07	23	24	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.36	6	0.043	0.0762	0.0029	2.5	0.0008	0.153
182316	22DMDD07	24	25	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.94	6	0.033	0.0744	0.0026	2.7	0.002	0.153
182317	22DMDD07	25	26	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	4.42	8	0.053	0.0938	0.0044	2.1	0.0011	0.153
182318	22DMDD07	26	27	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.95	5	0.046	0.0736	0.0026	1.5	0.0006	0.153
182320	22DMDD07	27	28	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.27	8	0.061	0.1125	0.0027	1.8	0.0011	0.153
182321	22DMDD07	28	29	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	3.32	7	0.027	0.0512	0.0032	2.4	0.0015	0.306
182322	22DMDD07	29	30	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	3.88	7	0.01	0.0561	0.0034	12.2	0.0024	0.306
182323	22DMDD07	30	31	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.48	7	0.001	0.0127	0.0022	3.9	0.0011	0.153
182324	22DMDD07	31	32	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	2.79	5	0.003	0.0358	0.0025	2.6	0.0014	0.306
182325	22DMDD07	32	33	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.55	2.5	0.001	0.0222	0.0025	2.4	0.0013	0.153
182326	22DMDD07	33	34	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.06	2.5	0.002	0.0102	0.002	2.3	0.0008	0.153
182327	22DMDD07	34	35	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	2.75	2.5	0.002	0.0179	0.0026	5.3	0.0009	0.306
182328	22DMDD07	35	36	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	3.53	7	0.014	0.0486	0.0034	9.5	0.0011	0.306
182329	22DMDD07	36	37	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	3.83	8	0.05	0.0656	0.0034	24.1	0.0013	1.224
182330	22DMDD07	37	38	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.06	3.42	7	0.003	0.0601	0.0031	9.4	0.0018	1.836
182331	22DMDD07	38	39	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	3.48	7	0.045	0.1095	0.0032	20.5	0.0021	1.224
182332	22DMDD07	39	40	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.04	4.55	9	0.218	0.0998	0.0036	14.5	0.0021	1.224
182333	22DMDD07	40	41	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.79	5	0.137	0.0424	0.0025	3	0.0009	0.612
182334	22DMDD07	41	42	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.03	3.83	8	0.019	0.1565	0.0032	8.1	0.0034	0.918
182335	22DMDD07	42	43	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.06	3.61	10	0.002	0.0628	0.0033	1.7	0.0019	1.836
182336	22DMDD07	43	44	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.05	3.77	5	0.01	0.0636	0.0035	11.9	0.0016	1.53
182338	22DMDD07	44	45	1	SDST	Western_Waste_Zone	Oxide	0.05	3.41	9	0.002	0.015	0.0035	0.25	0.0012	1.53
182339	22DMDD07	45	46	1	SDST	Western_Waste_Zone	Oxide	0.04	3.13	8	0.002	0.0119	0.0032	0.6	0.001	1.224
182340	22DMDD07	46	47	1	SDST	Western_Waste_Zone	Oxide	0.04	2.85	7	0.001	0.0085	0.0029	0.25	0.0009	1.224
182467	22DMDD09	0	0.9	0.9	NO	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	3.78	12	0.076	0.0247	0.002	0.5	0.0003	1.224
182468	22DMDD09	1.6	2.2	0.6	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	3.96	15	0.085	0.0104	0.0022	0.25	0.0002	0.918
182469	22DMDD09	2.2	3.2	1	NO	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.05	7	0.048	0.0049	0.0025	0.25	0.0001	0.918
182470	22DMDD09	3.2	4.2	1	NO	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	1.51	2.5	0.026	0.0011	0.0006	0.25	-0.0001	0.306
182470	22DMDD09	4.2	4.6	0.4	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	1.51	2.5	0.026	0.0011	0.0006	0.25	-0.0001	0.306
182471	22DMDD09	4.6	5.5	0.9	NO	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.07	14.1	10	0.153	0.0027	0.0014	0.25	-0.0001	2.142

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182471	22DMDD09	5.5	6	0.5	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.07	14.1	10	0.153	0.0027	0.0014	0.25	-0.0001	2.142
182472	22DMDD09	7.6	8.5	0.9	NO	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	4.35	8	0.053	0.0024	0.0011	0.25	-0.0001	0.918
182473	22DMDD09	8.5	9.1	0.6	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.05	6.41	11	0.09	0.006	0.0028	0.25	0.0002	1.53
182474	22DMDD09	9.1	10	0.9	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	4.06	8	0.061	0.0115	0.0027	0.25	0.0002	0.918
182475	22DMDD09	10	11	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	3.85	9	0.07	0.0205	0.0037	0.25	0.0002	0.918
182476	22DMDD09	11	12	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	3.79	16	0.077	0.0155	0.0027	0.25	0.0002	1.224
182477	22DMDD09	12	13	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.05	2.29	9	0.071	0.0189	0.0039	0.25	0.0002	1.53
182478	22DMDD09	13	14	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.87	14	0.122	0.0198	0.0037	0.25	0.0002	1.224
182479	22DMDD09	14	15	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	3.03	11	0.17	0.0089	0.0022	0.25	0.0004	1.224
182480	22DMDD09	15	16	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.47	7	0.276	0.0097	0.0027	0.25	0.0004	0.612
182481	22DMDD09	16	17	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.15	3.56	7	2.51	0.0155	0.003	0.25	0.0002	4.59
182483	22DMDD09	17	18	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	3.08	5	1.155	0.0171	0.0031	0.25	0.0005	0.612
182484	22DMDD09	18	19	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.03	2.17	8	3.72	0.0171	0.0035	0.25	0.0007	0.918
182485	22DMDD09	19	19.6	0.6	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.04	2.4	6	2.18	0.0168	0.0038	0.25	0.0006	1.224
182485	22DMDD09	19.6	20	0.4	VNFEOX	Greenhills_Mineralisation Oxide Ore	Oxide	0.04	2.4	6	2.18	0.0168	0.0038	0.25	0.0006	1.224
182486	22DMDD09	20	21	1	VNFEOX	Greenhills_Mineralisation Oxide Ore	Oxide	0.03	4.33	14	0.868	0.0358	0.0036	0.25	0.0007	0.918
182487	22DMDD09	21	22	1	VNFEOX	Greenhills_Mineralisation Oxide Ore	Oxide	0.13	5.21	25	11.85	0.0538	0.0036	0.25	0.0004	3.978
182488	22DMDD09	22	23	1	SLST	Greenhills_Mineralisation Oxide Ore	Oxide	1.17	5.78	39	6.98	0.0735	0.0064	0.25	0.0006	35.802
182490	22DMDD09	23	24	1	SLST	Greenhills_Mineralisation Oxide Ore	Oxide	0.62	2.25	14	0.545	0.0301	0.0032	0.25	0.0005	18.972
182491	22DMDD09	24	25	1	SLST	Greenhills_Mineralisation Oxide Ore	Oxide	0.16	1.29	8	0.16	0.019	0.0025	0.25	0.0004	4.896
182492	22DMDD09	25	26	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.12	1.61	11	0.066	0.0132	0.0039	0.25	0.0006	3.672
182493	22DMDD09	26	27	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.19	2.28	26	0.09	0.0153	0.0052	0.25	0.0004	5.814
182494	22DMDD09	27	28	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.39	2.95	37	0.078	0.0354	0.0046	0.25	0.0002	11.934
182495	22DMDD09	28	28.74	0.74	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	5.44	1.85	30	0.295	0.014	0.0024	0.25	0.0001	166.464
182495	22DMDD09	28.74	29	0.26	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	5.44	1.85	30	0.295	0.014	0.0024	0.25	0.0001	166.464
182496	22DMDD09	29	30	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	7.46	1.41	47	0.334	0.0073	0.0031	0.25	0.0003	228.276
182497	22DMDD09	30	31	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	5.07	1.49	35	0.627	0.0059	0.0037	0.25	0.0002	155.142
182498	22DMDD09	31	32	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	1.23	2.01	25	0.854	0.0235	0.0048	0.25	0.0005	37.638
182499	22DMDD09	32	33	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	1.02	1.55	15	0.103	0.0106	0.0045	0.25	0.0004	31.212
182500	22DMDD09	33	34	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.75	1.38	14	0.197	0.018	0.0039	0.25	0.0006	22.95
182501	22DMDD09	34	35	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.85	1.4	14	0.584	0.0114	0.0044	0.25	0.0007	26.01
182502	22DMDD09	35	36	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	3.54	3.51	52	3.38	0.0618	0.0057	0.25	0.0006	108.324
182503	22DMDD09	36	37	1	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	1.01	5.8	59	5.8	0.0969	0.0028	0.25	0.0006	30.906
182504	22DMDD09	37	37.2	0.2	SHLE	Greenhills_Mineralisation Oxide Ore	Oxide	0.26	1.83	19	1.68	0.027	0.0036	0.25	0.0008	7.956
182504	22DMDD09	37.2	38	0.8	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.26	1.83	19	1.68	0.027	0.0036	0.25	0.0008	7.956
182505	22DMDD09	38	39	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.14	1.82	8	0.515	0.047	0.0047	0.25	0.0007	4.284
182506	22DMDD09	39	40	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.11	1.63	7	0.447	0.0422	0.003	0.25	0.0005	3.366

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182507	22DMDD09	40	41	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.11	1.5	12	0.559	0.0448	0.0028	0.25	0.0006	3.366
182508	22DMDD09	41	42	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.12	1.45	15	0.493	0.037	0.0027	0.25	0.0006	3.672
182509	22DMDD09	42	43	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.14	1.8	12	0.317	0.025	0.0028	0.25	0.0006	4.284
182510	22DMDD09	43	44	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.12	1.99	10	0.415	0.0238	0.0028	0.25	0.0007	3.672
182512	22DMDD09	44	45	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.05	2.14	9	0.277	0.0182	0.0025	0.25	0.0008	1.53
182513	22DMDD09	45	46	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.05	4.85	19	0.397	0.0368	0.0047	0.25	0.0016	1.53
182514	22DMDD09	46	47	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.06	4.87	17	0.229	0.0402	0.0052	0.25	0.0015	1.836
182515	22DMDD09	47	48	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.05	3.72	14	0.186	0.0329	0.0035	0.25	0.0011	1.53
182516	22DMDD09	48	49	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.06	8.83	23	3.05	0.0742	0.005	0.25	0.0015	1.836
182517	22DMDD09	49	50	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.03	3.31	8	0.635	0.0253	0.0032	0.25	0.0009	0.918
182518	22DMDD09	50	51	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.04	3.23	10	0.506	0.0243	0.0029	0.25	0.0009	1.224
182519	22DMDD09	51	52	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.05	5.34	14	0.876	0.0492	0.005	0.25	0.0017	1.53
182520	22DMDD09	52	53	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.03	5.95	14	0.401	0.0494	0.0057	0.25	0.0019	0.918
182521	22DMDD09	53	54	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.03	5.63	15	0.909	0.0472	0.0055	0.25	0.0018	0.918
182522	22DMDD09	54	55	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.07	6.18	14	1.92	0.0524	0.0056	0.25	0.0021	2.142
182523	22DMDD09	55	56	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.05	5.77	14	0.948	0.0562	0.005	0.6	0.0018	1.53
182524	22DMDD09	56	57	1	SDST	Greenhills_Mineralisation Oxide Ore	Transition	0.03	2.84	6	0.555	0.0243	0.0026	0.25	0.0008	0.918
182527	22DMDD09	57	58.2	1.2	SDST	Greenhills_Mineralisation Oxide Ore	Transition	0.09	3.95	7	1.24	0.0386	0.0032	0.25	0.001	2.754
182529	22DMDD09	58.2	59	0.8	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.09	17.6	12	0.5	2.95	0.005	41.9	0.0141	2.754
182530	22DMDD09	59	60	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.06	12.45	12	0.389	1.865	0.0048	36.2	0.0064	1.836
182531	22DMDD09	60	61	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.06	14.7	10	0.388	2.29	0.0039	57.2	0.0101	1.836
182533	22DMDD09	61	62	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.09	7.36	7	0.217	1.125	0.0029	16.6	0.0041	2.754
182534	22DMDD09	62	63	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.08	9.32	5	0.206	1.535	0.0025	25.4	0.0059	2.448
182535	22DMDD09	63	64	1	SDST	Greenhills_Transition_Waste	Transition	0.07	6.36	7	0.174	0.933	0.0028	11.5	0.0037	2.142
182536	22DMDD09	64	65.3	1.3	SDST	Greenhills_Transition_Waste	Transition	0.06	6.26	5	0.199	0.92	0.0031	10.6	0.0048	1.836
182537	22DMDD09	65.3	66	0.7	SDST	Greenhills_Transition_Waste	Transition	0.04	3.65	8	0.15	0.355	0.0029	4.4	0.0015	1.224
182538	22DMDD09	66	67	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.37	6.3	9	2.69	0.101	0.0032	1.2	0.0014	11.322
182539	22DMDD09	67	68	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.08	4.6	11	0.5	0.0752	0.0044	0.7	0.0014	2.448
182540	22DMDD09	68	69	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.06	4.75	7	0.418	0.0691	0.0044	0.7	0.0014	1.836
182541	22DMDD09	69	70	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.06	4.17	5	0.37	0.1535	0.0033	5.6	0.0015	1.836
182542	22DMDD09	70	71	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.12	6.06	7	1.165	0.402	0.0034	26.9	0.0028	3.672
182543	22DMDD09	71	72	1	SDST	Greenhills_Transition_Waste	Transition	0.06	4.07	7	0.143	0.1635	0.0032	9	0.0015	1.836
182544	22DMDD09	72	73	1	SDST	Greenhills_Transition_Waste	Transition	0.04	3.32	6	0.108	0.243	0.0027	3.8	0.0013	1.224
182545	22DMDD09	73	74	1	SDST	Greenhills_Transition_Waste	Transition	0.05	4.07	5	0.119	0.423	0.0026	5.2	0.0023	1.53
182546	22DMDD09	74	75	1	SDST	Greenhills_Transition_Waste	Transition	0.05	7.5	6	0.111	0.925	0.003	5.4	0.0043	1.53
182547	22DMDD09	75	76	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.11	10.35	13	0.228	0.993	0.0047	10.9	0.006	3.366
182548	22DMDD09	76	77	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.12	6.38	10	0.237	0.405	0.004	5.6	0.0036	3.672

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182549	22DMDD09	77	78	1	SDST	Greenhills_Transition_Waste	Transition	0.05	5.26	8	0.116	0.404	0.0028	3.6	0.0033	1.53
182550	22DMDD09	78	79	1	SDST	Greenhills_Transition_Waste	Transition	0.04	2.75	6	0.05	0.108	0.0023	1.1	0.0012	1.224
182551	22DMDD09	79	79.6	0.6	SDST	Greenhills_Transition_Waste	Transition	0.03	2.87	5	0.034	0.0589	0.0021	0.8	0.001	0.918
182552	22DMDD09	79.6	80	0.4	SDST	Greenhills_Transition_Waste	Transition	0.15	7.7	11	0.128	0.547	0.0054	5.9	0.0042	4.59
182553	22DMDD09	80	81	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.37	7.83	8	0.318	0.628	0.0053	8.7	0.0043	11.322
182554	22DMDD09	81	82	1	SDST	Greenhills_Transition_Waste	Transition	0.76	13.4	7	0.147	1.275	0.0048	12.3	0.0064	23.256
182557	22DMDD09	82	83	1	SDST	Greenhills_Transition_Waste	Transition	0.14	8.58	12	0.119	1.19	0.0045	8.7	0.0057	4.284
182558	22DMDD09	83	83.8	0.8	SDST	Greenhills_Transition_Waste	Transition	0.19	5.23	12	0.138	0.293	0.0054	2.5	0.0022	5.814
182560	22DMDD09	83.8	85	1.2	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.11	7.73	12	0.268	0.748	0.0063	14	0.0038	3.366
182562	22DMDD09	85	86	1	SDST	Greenhills_Transition_Waste	Transition	0.09	4.05	9	0.169	0.26	0.0032	7.6	0.0016	2.754
182563	22DMDD09	86	87	1	SDST	Greenhills_Transition_Waste	Transition	0.14	3.3	6	0.078	0.239	0.0025	6.4	0.0013	4.284
182564	22DMDD09	87	88	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.05	2.73	7	0.31	0.0486	0.0028	0.25	0.0007	1.53
182566	22DMDD09	88	89	1	SDST	Greenhills_Transition_Waste	Transition	0.03	2.42	8	0.176	0.0604	0.0025	0.25	0.0007	0.918
182567	22DMDD09	89	90	1	SDST	Greenhills_Transition_Waste	Transition	0.18	2.36	9	0.181	0.0618	0.0034	0.8	0.0007	5.508
182568	22DMDD09	90	91	1	SDST	Greenhills_Transition_Waste	Transition	0.21	1.94	9	0.067	0.0519	0.0026	0.7	0.0007	6.426
182569	22DMDD09	91	92	1	SDST	Greenhills_Transition_Waste	Transition	0.19	1.16	10	0.044	0.0625	0.0022	0.9	0.0007	5.814
182571	22DMDD09	92	93	1	SDST	Greenhills_Transition_Waste	Transition	0.16	1.02	9	0.043	0.0638	0.0027	0.5	0.0007	4.896
182572	22DMDD09	93	94.2	1.2	SDST	Greenhills_Transition_Waste	Transition	0.26	0.84	11	0.047	0.0513	0.0024	0.5	0.0005	7.956
182573	22DMDD09	94.2	95	0.8	SDST	Greenhills_Transition_Waste	Transition	1.26	0.7	12	0.084	0.0342	0.0023	0.25	0.0005	38.556
182574	22DMDD09	95	96	1	SDST	Greenhills_Transition_Waste	Transition	1.38	0.89	22	0.129	0.0169	0.0026	0.5	0.0005	42.228
182577	22DMDD09	96	96.55	0.55	SDST	Main_Zone_Transition_Ore	Transition	1.16	1.32	6	0.826	0.0055	0.0069	0.25	0.001	35.496
182578	22DMDD09	96.55	97	0.45	MSUL	Main_Zone_Transition_Ore	Transition	34.7	25.2	232	24.4	0.401	0.0157	10.9	0.0427	1061.82
182579	22DMDD09	97	97.5	0.5	MSUL	Main_Zone_Transition_Ore	Transition	39.9	28.8	291	19	0.116	0.0118	3.3	0.0352	1220.94
182580	22DMDD09	97.5	98	0.5	MSUL	Main_Zone_Transition_Ore	Transition	43.1	30.1	159	16.45	2.06	0.0111	56.2	0.0376	1318.86
182581	22DMDD09	98	98.5	0.5	MSUL	Main_Zone_Transition_Ore	Transition	44.1	37.2	197	9.04	0.672	0.0098	15.3	0.035	1349.46
182582	22DMDD09	98.5	99	0.5	MSUL	Main_Zone_Transition_Ore	Transition	43.5	36.5	148	7.69	0.274	0.0103	7.1	0.0462	1331.1
182583	22DMDD09	99	99.5	0.5	MSUL	Main_Zone_Transition_Ore	Transition	43.3	35.4	124	6.1	0.035	0.0092	0.6	0.042	1324.98
182584	22DMDD09	99.5	100	0.5	MSUL	Main_Zone_Transition_Ore	Transition	42.7	33	129	6.38	0.147	0.0097	4.1	0.0287	1306.62
182585	22DMDD09	100	100.5	0.5	MSUL	Main_Zone_Transition_Ore	Transition	43	35.1	200	16.85	0.221	0.0099	5.6	0.0546	1315.8
182587	22DMDD09	100.5	101	0.5	MSUL	Main_Zone_Transition_Ore	Transition	45	38.5	185	11.15	0.1885	0.0174	5.5	0.0237	1377
182588	22DMDD09	101	101.7	0.7	SDST	Main_Zone_Transition_Ore	Transition	39.8	27.3	209	20.2	0.864	0.0221	29.1	0.0638	1217.88
182589	22DMDD09	101.7	102	0.3	SDST	Main_Zone_Transition_Ore	Transition	2.31	1.64	22	1.735	0.015	0.0586	1.6	0.0013	70.686
182591	22DMDD09	102	103.3	1.3	SDST	Greenhills_Transition_Mineralised_Ore	Transition	1.8	1.11	11	0.325	0.0156	0.0083	0.7	0.0009	55.08
182592	22DMDD09	107.6	109.1	1.5	SDST	Eastern_Waste_Zone	Transition	0.41	4.22	2.5	0.026	0.201	0.0031	8.7	0.0014	12.546
182593	22DMDD09	109.1	110	0.9	LMST	Eastern_Waste_Zone	Transition	0.05	4.99	15	0.0059	0.0502	0.0009	0.25	0.0035	1.53
182594	22DMDD09	110	111	1	LMST	Eastern_Waste_Zone	Transition	0.02	4.56	13	0.0071	0.0081	0.0008	0.25	0.0032	0.612
182595	22DMDD09	111	112	1	LMST	Eastern_Waste_Zone	Transition	0.01	4.61	14	0.0052	0.0069	0.0008	0.25	0.0034	0.306

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182596	22DMDD09	112	113	1	LMST	Eastern_Waste_Zone	Transition	0.01	4.6	13	0.0053	0.0064	0.0005	0.25	0.0032	0.306
182597	22DMDD09	113	114	1	LMST	Eastern_Waste_Zone	Transition	0.01	4.65	13	0.0046	0.0066	0.0006	0.25	0.0033	0.306
182599	22DMDD09	114	115	1	LMST	Eastern_Waste_Zone	Transition	0.02	4.94	11	0.0055	0.0068	0.0004	0.25	0.0041	0.612
182600	22DMDD09	115	116	1	LMST	Eastern_Waste_Zone	Transition	0.01	4.82	22	0.0055	0.0062	0.0004	0.25	0.0042	0.306
182601	22DMDD09	116	117	1	LMST	Eastern_Waste_Zone	Transition	0.01	4.85	13	0.0051	0.007	0.0008	0.25	0.0035	0.306
182602	22DMDD09	117	118	1	LMST	Eastern_Waste_Zone	Transition	0.01	5.02	16	0.0047	0.0069	0.0006	0.25	0.0037	0.306
182603	22DMDD09	118	119	1	LMST	Eastern_Waste_Zone	Transition	0.01	4.56	15	0.0049	0.0064	0.0006	0.25	0.003	0.306
182604	22DMDD09	119	120	1	LMST	Eastern_Waste_Zone	Transition	0.01	4.63	16	0.0046	0.0065	0.0004	0.25	0.0032	0.306
182605	22DMDD09	120	121	1	LMST	Eastern_Waste_Zone	Transition	0.01	4.61	27	0.0045	0.0063	0.0006	0.25	0.0033	0.306
182606	22DMDD09	121	122.35	1.35	LMST	Eastern_Waste_Zone	Transition	0.26	3.6	7	0.0046	0.0093	0.0024	0.25	0.0017	7.956
182607	22DMDD09	122.35	123	0.65	SHLE	Eastern_Waste_Zone	Transition	0.24	3.39	8	0.0038	0.0094	0.0036	0.25	0.0011	7.344
182608	22DMDD09	123	124	1	SHLE	Eastern_Waste_Zone	Transition	0.46	3.64	2.5	0.0055	0.0104	0.0036	0.25	0.0012	14.076
182609	22DMDD09	124	125	1	SHLE	Eastern_Waste_Zone	Transition	0.36	3.44	2.5	0.0047	0.011	0.0042	0.25	0.0012	11.016
182795	22DMDD14	7	8	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.32	14	0.0091	0.16	0.0033	1.3	0.0023	0.153
182796	22DMDD14	8	9.1	1.1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.33	16	0.0108	0.174	0.0038	3	0.0023	0.153
182797	22DMDD14	9.1	10	0.9	SDST	Eastern_Waste_Zone	Oxide	0.005	4.22	14	0.0244	0.22	0.0029	9.5	0.0019	0.153
182798	22DMDD14	10	11	1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.24	12	0.0031	0.227	0.0026	6.4	0.0025	0.153
182799	22DMDD14	11	12	1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.03	16	0.0104	0.219	0.0047	10.5	0.0055	0.153
182800	22DMDD14	12	13	1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.27	14	0.0018	0.165	0.0028	11.4	0.0026	0.153
182802	22DMDD14	13	14	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.54	15	0.0014	0.148	0.0025	15.8	0.002	0.153
182803	22DMDD14	14	15	1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.5	11	0.01	0.228	0.0039	15.4	0.0012	0.153
182804	22DMDD14	15	16	1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.24	9	0.0178	0.206	0.0035	9.9	0.0017	0.153
182805	22DMDD14	16	17	1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.21	15	0.0214	0.348	0.0033	7	0.0025	0.153
182807	22DMDD14	17	18	1	SDST	Eastern_Waste_Zone	Oxide	0.005	4.16	8	0.0412	0.317	0.0019	4.4	0.003	0.153
182808	22DMDD14	18	18.6	0.6	SDST	Eastern_Waste_Zone	Oxide	0.005	5.38	11	0.0575	0.383	0.0023	5.7	0.0025	0.153
182809	22DMDD14	18.6	19.5	0.9	SHLE	Eastern_Waste_Zone	Oxide	0.005	7.4	15	0.0791	0.558	0.0054	21	0.0056	0.153
182812	22DMDD14	19.5	20	0.5	SHLE	Eastern_Waste_Zone	Oxide	0.005	4.59	15	0.0407	0.391	0.0051	13.7	0.0058	0.153
182813	22DMDD14	20	21	1	SHLE	Eastern_Waste_Zone	Oxide	0.04	4.53	16	0.0124	0.121	0.0042	26.6	0.0022	1.224
182814	22DMDD14	21	22	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.44	11	0.0029	0.0703	0.0035	5.3	0.0014	0.153
182815	22DMDD14	22	23	1	SDST	Eastern_Waste_Zone	Oxide	0.005	3.22	12	0.0043	0.1225	0.0023	4.4	0.0021	0.153
182816	22DMDD14	23	24	1	SDST	Eastern_Waste_Zone	Oxide	0.05	4.58	12	0.0037	0.158	0.0044	9.2	0.0029	1.53
182817	22DMDD14	24	25	1	SDST	Eastern_Waste_Zone	Oxide	0.03	3.63	14	0.0025	0.064	0.0031	2.3	0.0017	0.918
182818	22DMDD14	25	26	1	SDST	Eastern_Waste_Zone	Oxide	0.01	2.34	6	0.002	0.0369	0.0021	2.1	0.0005	0.306
182819	22DMDD14	26	27	1	SDST	Eastern_Waste_Zone	Oxide	0.07	2.36	8	0.0021	0.0445	0.0025	8.4	0.0008	2.142
182820	22DMDD14	27	28	1	SDST	Eastern_Waste_Zone	Oxide	0.08	3.51	11	0.0024	0.1235	0.0029	8.2	0.0021	2.448
182821	22DMDD14	28	29	1	SDST	Eastern_Waste_Zone	Oxide	0.17	5.57	13	0.0037	0.417	0.0042	107.5	0.0052	5.202
182822	22DMDD14	29	30	1	SDST	Eastern_Waste_Zone	Oxide	0.04	6.32	14	0.004	0.481	0.0044	81.3	0.0065	1.224

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182824	22DMDD14	30	31	1	SLST	Eastern_Waste_Zone	Oxide	0.05	3.63	11	0.0023	0.198	0.0024	14.1	0.0035	1.53
182825	22DMDD14	31	31.6	0.6	SLST	Eastern_Waste_Zone	Oxide	0.03	2.94	11	0.002	0.0664	0.0032	2	0.0018	0.918
182825	22DMDD14	31.6	32	0.4	SHLE	Eastern_Waste_Zone	Oxide	0.03	2.94	11	0.002	0.0664	0.0032	2	0.0018	0.918
182826	22DMDD14	32	33	1	SHLE	Eastern_Waste_Zone	Oxide	0.1	2.81	13	0.0014	0.0977	0.0028	0.25	0.0022	3.06
183068	22DMDD14	33	34	1	SHLE	Eastern_Waste_Zone	Oxide	0.06	3.15	11	0.0019	0.092	0.0029	0.5	0.0022	1.836
183069	22DMDD14	34	35	1	SHLE	Eastern_Waste_Zone	Oxide	0.1	4.27	10	0.0026	0.275	0.0035	15.2	0.0047	3.06
183070	22DMDD14	35	36	1	SHLE	Eastern_Waste_Zone	Oxide	0.07	2.99	9	0.0017	0.0448	0.0027	0.9	0.0014	2.142
182827	22DMDD14	36	37	1	SHLE	Eastern_Waste_Zone	Oxide	0.29	3.72	11	0.0032	0.0718	0.004	0.25	0.0023	8.874
182828	22DMDD14	37	38	1	SHLE	Eastern_Waste_Zone	Oxide	0.25	3.84	12	0.0037	0.047	0.0043	0.25	0.0018	7.65
182829	22DMDD14	38	39	1	SHLE	Eastern_Waste_Zone	Oxide	0.17	4.09	17	0.0038	0.0651	0.0043	0.25	0.0019	5.202
182830	22DMDD14	39	40	1	SHLE	Eastern_Waste_Zone	Oxide	0.04	2.32	9	0.0011	0.0212	0.0025	0.25	0.0009	1.224
183071	22DMDD14	40	41	1	SHLE	Eastern_Waste_Zone	Oxide	0.03	2.49	10	0.0014	0.0093	0.0025	0.25	0.0009	0.918
183072	22DMDD14	41	42	1	SHLE	Eastern_Waste_Zone	Oxide	0.11	3.12	11	0.0021	0.0551	0.0033	0.5	0.0017	3.366
183073	22DMDD14	42	43	1	SHLE	Eastern_Waste_Zone	Oxide	0.2	3.58	7	0.0028	0.0281	0.0037	0.25	0.0014	6.12
183074	22DMDD14	43	44	1	SHLE	Eastern_Waste_Zone	Oxide	0.26	3.68	10	0.004	0.0133	0.0047	0.25	0.0014	7.956
183075	22DMDD14	44	45	1	SHLE	Eastern_Waste_Zone	Oxide	0.09	2.88	7	0.0034	0.0097	0.0029	0.25	0.001	2.754
183076	22DMDD14	45	46	1	SHLE	Eastern_Waste_Zone	Oxide	0.08	3.11	9	0.0027	0.0104	0.0033	0.25	0.0011	2.448
183078	22DMDD14	46	47	1	SHLE	Eastern_Waste_Zone	Oxide	0.27	3.95	7	0.0039	0.0129	0.0049	0.25	0.0013	8.262
183079	22DMDD14	47	48	1	SHLE	Eastern_Waste_Zone	Oxide	0.15	2.82	8	0.0022	0.0084	0.0035	0.25	0.0009	4.59
183080	22DMDD14	48	49	1	SHLE	Eastern_Waste_Zone	Oxide	0.04	3.37	8	0.0031	0.0099	0.0037	0.25	0.0011	1.224
183081	22DMDD14	49	50	1	SHLE	Eastern_Waste_Zone	Oxide	0.01	4.13	9	0.0044	0.0129	0.0048	0.25	0.0013	0.306
183082	22DMDD14	50	50.47	0.47	SHLE	Eastern_Waste_Zone	Oxide	0.14	4.53	2.5	0.0041	0.0442	0.0031	0.25	0.0017	4.284
183082	22DMDD14	50.47	51	0.53	PLMDI	Eastern_Waste_Zone	Oxide	0.14	4.53	2.5	0.0041	0.0442	0.0031	0.25	0.0017	4.284
183083	22DMDD14	51	51.5	0.5	PLMDI	Eastern_Waste_Zone	Oxide	0.14	4.13	6	0.0042	0.0855	0.0027	3.5	0.0021	4.284
183084	22DMDD14	51.5	52	0.5	PLMDI	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	4.75	31	0.0036	0.0089	0.0012	0.25	0.0035	0.306
183085	22DMDD14	52	53	1	PLMDI	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	5.36	25	0.0035	0.0619	0.0008	1.4	0.0047	0.306
183086	22DMDD14	53	54	1	PLMDI	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	5.29	14	0.0035	0.0665	0.0009	0.6	0.0044	0.306
182831	22DMDD14	54	54.91	0.91	PLMDI	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.1	4.45	11	0.0048	0.0132	0.0013	0.25	0.0029	3.06
182832	22DMDD14	54.91	56.02	1.11	PLMDI	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	6.27	18	0.008	0.1615	0.0007	3	0.0063	0.612
182832	22DMDD14	56.02	56.03	0.01	HYRH	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	6.27	18	0.008	0.1615	0.0007	3	0.0063	0.612
182833	22DMDD14	56.03	56.22	0.19	HYRH	Greenhills_Supergene_Mineralised_Ore	Oxide	0.08	6.73	11	0.816	0.0301	0.0016	0.25	0.0017	2.448
182833	22DMDD14	56.22	56.7	0.48	SHLE	Greenhills_Supergene_Mineralised_Ore	Oxide	0.08	6.73	11	0.816	0.0301	0.0016	0.25	0.0017	2.448
182834	22DMDD14	56.7	56.98	0.28	SHLE	Greenhills_Supergene_Mineralised_Ore	Oxide	0.06	6.71	7	0.228	0.0246	0.0022	0.25	0.0009	1.836
182835	22DMDD14	56.98	57.72	0.74	CHRT	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.23	3.2	5	0.011	0.0318	0.0002	1.2	0.0008	7.038
182837	22DMDD14	57.72	57.76	0.04	CHRT	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	5.81	2.5	0.071	0.0206	0.0025	1.2	0.0009	0.918
182837	22DMDD14	57.76	58.53	0.77	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	5.81	2.5	0.071	0.0206	0.0025	1.2	0.0009	0.918
183087	22DMDD14	58.53	60	1.47	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	3.17	5	0.004	0.0246	0.0027	0.5	0.0011	0.306

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
183088	22DMDD14	60	61	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.23	5	0.001	0.0075	0.0023	0.25	0.0007	0.153
183089	22DMDD14	61	62	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	2.13	6	0.001	0.0058	0.0024	0.25	0.0007	0.306
183090	22DMDD14	62	63	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	2.12	5	0.001	0.0145	0.0022	0.25	0.0008	0.306
183091	22DMDD14	63	64	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.26	5	0.001	0.0065	0.0025	0.25	0.0008	0.612
183092	22DMDD14	64	65	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.24	6	0.001	0.0059	0.0024	0.25	0.0008	0.918
183093	22DMDD14	65	66	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.07	2.5	0.001	0.0058	0.0024	0.25	0.0008	0.612
183094	22DMDD14	66	67	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.32	8	0.001	0.0061	0.0028	0.25	0.0007	0.612
182838	22DMDD14	67	68	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.06	2.42	7	0.003	0.0203	0.0024	0.25	0.0008	1.836
182839	22DMDD14	68	68.78	0.78	SDST	Main_Zone_Oxide_Ore	Oxide	0.06	2.74	7	0.381	0.0435	0.0025	1.7	0.0008	1.836
182840	22DMDD14	68.78	70	1.22	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.04	2.59	7	0.224	0.0328	0.0025	0.25	0.0007	1.224
182841	22DMDD14	70	71	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.98	8	0.002	0.0697	0.0026	0.6	0.0014	0.918
182842	22DMDD14	71	72	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.57	7	0.001	0.0211	0.0024	0.25	0.0011	1.224
182843	22DMDD14	72	73	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	3.57	7	0.024	0.1955	0.0028	5	0.0027	0.918
182844	22DMDD14	73	74	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.44	9	0.192	0.0297	0.0023	0.25	0.0007	0.918
182845	22DMDD14	74	75	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.6	6	0.177	0.049	0.0024	0.7	0.001	0.918
182846	22DMDD14	75	76	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.98	5	0.005	0.0887	0.0023	21.4	0.0016	0.918
182848	22DMDD14	76	77	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	3.68	5	0.145	0.1275	0.0029	4.9	0.0023	0.612
182849	22DMDD14	77	78	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.99	7	0.011	0.0387	0.0027	5.3	0.0013	0.612
182850	22DMDD14	78	79	1	SDST	Greenhills_Transition_Waste	Transition	0.02	2.8	2.5	0.0022	0.0836	0.0021	8.8	0.0019	0.612
182851	22DMDD14	79	80	1	SDST	Greenhills_Transition_Waste	Transition	0.18	2.79	8	0.0018	0.0449	0.0028	1.4	0.0019	5.508
182852	22DMDD14	80	81	1	SDST	Greenhills_Transition_Waste	Transition	0.03	2.38	6	0.001	0.0085	0.0027	0.25	0.0007	0.918
182853	22DMDD14	81	82	1	SDST	Greenhills_Transition_Waste	Transition	0.11	2.67	2.5	0.0008	0.0392	0.0026	0.25	0.0014	3.366
182854	22DMDD14	82	83	1	SDST	Greenhills_Transition_Waste	Transition	0.02	3.09	2.5	0.006	0.1225	0.0025	2.7	0.0018	0.612
182855	22DMDD14	83	84	1	SDST	Greenhills_Transition_Waste	Transition	0.02	2.84	2.5	0.015	0.097	0.0022	1.7	0.0017	0.612
182856	22DMDD14	84	85	1	SDST	Greenhills_Transition_Waste	Transition	0.02	2.94	2.5	0.0054	0.13	0.0024	12.5	0.0017	0.612
182858	22DMDD14	85	86	1	SDST	Greenhills_Transition_Waste	Transition	0.02	3.1	5	0.0064	0.244	0.0022	11.2	0.0015	0.612
182859	22DMDD14	86	87	1	SDST	Greenhills_Transition_Waste	Transition	0.03	4.72	2.5	0.0173	0.415	0.0028	9.9	0.002	0.918
182860	22DMDD14	87	88	1	SDST	Greenhills_Transition_Waste	Transition	0.05	8.23	2.5	0.0125	1.11	0.0023	16.7	0.0046	1.53
182863	22DMDD14	88	89	1	SDST	Greenhills_Transition_Waste	Transition	0.02	3.72	6	0.0106	0.351	0.0027	7.7	0.0017	0.612
182864	22DMDD14	89	90	1	SDST	Western_Waste_Zone	Transition	0.03	6.74	2.5	0.0071	1.04	0.0032	19.5	0.0034	0.918
182865	22DMDD14	90	91	1	SDST	Western_Waste_Zone	Transition	0.02	3.31	2.5	0.0016	0.228	0.0024	25	0.0016	0.612
182866	22DMDD14	91	92	1	SDST	Western_Waste_Zone	Transition	0.11	2.87	6	0.0011	0.139	0.0024	7.5	0.0014	3.366
182867	22DMDD14	92	93	1	SDST	Western_Waste_Zone	Transition	0.17	3.05	2.5	0.0011	0.086	0.0026	0.25	0.0011	5.202
182868	22DMDD14	93	94	1	SDST	Western_Waste_Zone	Transition	0.04	2.63	7	0.0011	0.0091	0.0028	0.25	0.0008	1.224
182869	22DMDD14	94	95	1	SDST	Western_Waste_Zone	Transition	0.22	3.25	5	0.0012	0.1375	0.0028	2	0.0014	6.732
182870	22DMDD14	95	96	1	SDST	Western_Waste_Zone	Transition	0.25	3.19	5	0.0046	0.191	0.0025	7.8	0.0015	7.65
182871	22DMDD14	96	97	1	SDST	Western_Waste_Zone	Transition	0.31	3.45	7	0.0013	0.1865	0.0028	0.5	0.0016	9.486

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
182873	22DMDD14	97	98	1	SDST	Western_Waste_Zone	Transition	0.08	2.33	7	0.001	0.034	0.0022	0.25	0.0008	2.448
182874	22DMDD14	98	99	1	SDST	Western_Waste_Zone	Transition	0.07	2.25	8	0.0012	0.0244	0.0023	0.25	0.0007	2.142
182875	22DMDD14	99	100	1	SDST	Western_Waste_Zone	Transition	0.31	3.08	6	0.001	0.1685	0.0022	0.25	0.0013	9.486
182876	22DMDD14	100	101	1	SDST	Western_Waste_Zone	Transition	0.28	3	6	0.0009	0.154	0.0025	8	0.0013	8.568
182877	22DMDD14	101	102	1	SDST	Western_Waste_Zone	Transition	0.1	3.76	9	0.0008	0.434	0.0024	17.6	0.0021	3.06
182878	22DMDD14	102	103	1	SDST	Western_Waste_Zone	Transition	0.03	4.09	6	0.011	0.409	0.0027	14.6	0.0019	0.918
182879	22DMDD14	103	104	1	SDST	Western_Waste_Zone	Transition	0.15	3.57	5	0.006	0.3	0.0024	14.6	0.0018	4.59
182880	22DMDD14	104	105	1	SDST	Western_Waste_Zone	Transition	0.11	4.11	11	0.0014	0.285	0.0034	29.5	0.002	3.366
182881	22DMDD14	105	106	1	SDST	Western_Waste_Zone	Transition	0.31	6.76	9	0.0016	0.566	0.004	45	0.0035	9.486
182882	22DMDD14	106	107	1	SDST	Western_Waste_Zone	Transition	0.05	3.67	8	0.0015	0.251	0.0026	25.2	0.0016	1.53
182883	22DMDD14	107	108	1	SDST	Western_Waste_Zone	Transition	0.26	3.81	7	0.0015	0.308	0.0028	9.3	0.0019	7.956
182885	22DMDD14	108	109	1	SDST	Western_Waste_Zone	Transition	0.01	2.9	8	0.0033	0.0093	0.0029	0.25	0.0009	0.306
182886	22DMDD14	109	110	1	SDST	Western_Waste_Zone	Transition	0.01	3.71	8	0.0033	0.0108	0.0041	0.25	0.001	0.306
182887	22DMDD14	110	111	1	SDST	Western_Waste_Zone	Transition	0.01	2.76	5	0.0021	0.0078	0.003	0.25	0.0007	0.306
182889	22DMDD15	2	3	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	10	6	0.551	0.35	0.0057	10.5	0.0033	0.306
182890	22DMDD15	3	4	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	5.78	5	0.53	0.1575	0.0039	5.5	0.0035	0.306
182891	22DMDD15	4	5	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	3.72	2.5	0.276	0.1205	0.0028	3.7	0.0034	0.306
182892	22DMDD15	5	6	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	4.18	2.5	0.197	0.1765	0.0029	5.2	0.0029	0.306
182894	22DMDD15	6	7	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	4.77	5	0.193	0.228	0.0022	5.7	0.0042	0.153
182895	22DMDD15	7	8	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	5.07	6	0.426	0.1475	0.0022	5.2	0.0025	0.153
182896	22DMDD15	8	9	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.06	5	0.281	0.0607	0.0025	2.4	0.0011	0.153
182897	22DMDD15	9	10	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3	5	0.723	0.0472	0.0024	2.2	0.0014	0.153
182898	22DMDD15	10	11	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.68	5	0.651	0.0325	0.0025	1.2	0.0007	0.153
182900	22DMDD15	11	12	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.97	5	0.549	0.043	0.0023	1	0.0007	0.153
182901	22DMDD15	12	13	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.17	6	0.734	0.0414	0.0023	1.5	0.0009	0.153
182902	22DMDD15	13	14	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.81	5	0.283	0.0313	0.0024	1	0.0008	0.153
182903	22DMDD15	14	15	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.92	2.5	0.335	0.0419	0.0024	1.7	0.0009	0.153
182904	22DMDD15	15	16	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.9	2.5	0.317	0.0313	0.0025	1.7	0.001	0.153
182905	22DMDD15	16	17	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.31	7	0.315	0.0546	0.0025	3.6	0.0016	0.153
182906	22DMDD15	17	18	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.86	10	0.287	0.1255	0.0026	4.6	0.0019	0.153
182907	22DMDD15	18	19	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.25	12	0.226	0.1495	0.0028	5.7	0.0026	0.153
182908	22DMDD15	19	20	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.97	8	0.162	0.0853	0.0022	2.3	0.001	0.153
182909	22DMDD15	20	21	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.69	7	0.487	0.1245	0.0023	3.7	0.0011	0.153
182910	22DMDD15	21	22	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.31	8	0.245	0.0745	0.0028	1.9	0.0008	0.153
182911	22DMDD15	22	23	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.21	15	0.691	0.0706	0.0024	2.9	0.0008	0.153
182914	22DMDD15	23	24	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.8	12	0.619	0.078	0.0028	2.9	0.0009	0.153
182915	22DMDD15	24	25	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3	8	0.151	0.0484	0.0028	0.6	0.0005	0.153

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182916	22DMDD15	25	26	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.72	8	0.239	0.0445	0.0025	1	0.0006	0.153
182917	22DMDD15	26	27	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.6	7	0.625	0.0474	0.0025	1	0.0007	0.153
182919	22DMDD15	27	28	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	5.42	17	0.316	0.0474	0.0042	1.3	0.0009	0.153
182920	22DMDD15	28	29	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.47	5	0.386	0.0386	0.0036	0.9	0.0007	0.153
182921	22DMDD15	29	30	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	2.89	5	0.178	0.0321	0.0022	0.6	0.0006	0.153
182922	22DMDD15	30	31	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.62	6	0.357	0.0409	0.0019	0.5	0.0006	0.153
182923	22DMDD15	31	32	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.77	5	0.254	0.0341	0.0023	0.6	0.0006	0.153
182924	22DMDD15	32	33	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.1	7	0.647	0.0276	0.0029	0.7	0.0006	0.153
182925	22DMDD15	33	34	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.5	5	0.708	0.0236	0.0021	0.7	0.0005	0.153
182926	22DMDD15	34	35	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	2.42	2.5	0.38	0.0279	0.0023	0.8	0.0006	0.153
182927	22DMDD15	35	36	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.13	8	0.278	0.0423	0.0028	0.7	0.0008	0.153
182928	22DMDD15	36	37	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	3.17	5	0.297	0.0367	0.0027	0.7	0.0008	0.612
182929	22DMDD15	37	38	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	2.95	5	0.35	0.0631	0.0025	1.5	0.0012	0.612
182930	22DMDD15	38	39	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	2.85	2.5	0.2	0.0697	0.0024	4.4	0.0016	0.918
182931	22DMDD15	39	40	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.87	5	0.04	0.1205	0.0024	6.1	0.0033	0.918
182932	22DMDD15	40	41	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	4.01	5	0.161	0.0719	0.0034	13.1	0.0013	1.224
182933	22DMDD15	41	42	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.06	3.3	5	0.003	0.0855	0.003	13.8	0.0025	1.836
182934	22DMDD15	42	43	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.76	2.5	0.091	0.0677	0.0026	11.2	0.0014	1.224
182936	22DMDD15	43	44	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.74	2.5	0.077	0.0521	0.0024	3.5	0.0015	1.224
182937	22DMDD15	44	45	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.48	6	0.024	0.0378	0.0027	2.4	0.0015	1.224
182938	22DMDD15	45	46	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	2.62	2.5	0.232	0.0189	0.0024	0.5	0.0007	0.918
182939	22DMDD15	46	47	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.59	5	0.087	0.0543	0.0024	4.2	0.0017	0.918
182942	22DMDD15	47	48	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.51	8	0.038	0.0254	0.0026	1.2	0.0011	0.918
182943	22DMDD15	48	49	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.74	5	0.004	0.1315	0.0025	6.7	0.004	0.918
182944	22DMDD15	49	50	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.97	5	0.168	0.059	0.0025	4.3	0.0018	1.224
182945	22DMDD15	50	51	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	3.1	5	0.28	0.0844	0.0025	5.5	0.0018	0.918
182946	22DMDD15	51	52	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	3.07	5	0.128	0.0541	0.0027	7.7	0.0013	1.224
182947	22DMDD15	52	53	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	3.06	7	0.146	0.0744	0.0026	12.8	0.0019	1.224
182948	22DMDD15	53	54	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.06	3.18	6	0.195	0.0193	0.0028	0.5	0.0008	1.836
182949	22DMDD15	54	55	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.05	2.78	6	0.147	0.0106	0.0026	0.25	0.0007	1.53
183095	22DMDD15	55	56	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.09	4.01	9	0.114	0.02	0.0043	0.25	0.0012	2.754
183098	22DMDD15	56	57	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.08	3.78	8	0.067	0.0274	0.0035	4.5	0.0013	2.448
183100	22DMDD15	57	58	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.06	3.48	5	0.003	0.0423	0.0036	1.7	0.0017	1.836
181855	22DMDD15	58	59	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.08	4.42	11	0.096	0.0798	0.0046	4.9	0.0024	2.448
181856	22DMDD15	59	60	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.04	4.17	7	0.009	0.169	0.0032	4.6	0.0046	1.224
181857	22DMDD15	60	61	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.66	8	0.002	0.0217	0.0028	0.25	0.0011	0.918
181858	22DMDD15	61	62	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.4	6	0.001	0.0172	0.0024	1.2	0.0008	0.612

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181859	22DMDD15	62	63	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.6	7	0.002	0.0078	0.0027	0.25	0.0008	1.224
181860	22DMDD15	63	64	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.07	3.63	10	0.003	0.0225	0.0034	0.25	0.0014	2.142
181862	22DMDD15	64	65	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.08	3.07	5	0.002	0.0091	0.0033	0.25	0.001	2.448
181863	22DMDD15	65	66	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.38	5	0.001	0.0063	0.0024	0.25	0.0007	0.918
181864	22DMDD15	66	67	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.07	3.38	9	0.003	0.0099	0.0034	0.25	0.0011	2.142
181865	22DMDD15	67	68	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.93	10	0.002	0.0083	0.0055	0.25	0.0009	1.224
181866	22DMDD15	68	68.4	0.4	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.87	11	0.002	0.008	0.0029	0.25	0.0009	1.224
182950	22DMDD15	69	70	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.07	2.81	6	0.003	0.0084	0.003	0.25	0.0009	2.142
182951	22DMDD15	70	71	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.04	3.22	6	0.375	0.124	0.0028	9.9	0.0022	1.224
182952	22DMDD15	71	72	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.05	3.93	8	0.057	0.1095	0.0032	18.4	0.0021	1.53
182954	22DMDD15	72	73	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.74	5	0.001	0.0166	0.0025	0.25	0.0011	1.224
181867	22DMDD15	73	74	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	2.52	6	0.001	0.0073	0.0023	0.25	0.0009	0.612
181868	22DMDD15	74	75	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	2.56	8	0.001	0.0073	0.0024	0.25	0.0008	0.918
181870	22DMDD15	75	76	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.99	2.5	0.002	0.0369	0.0029	0.25	0.0014	1.224
181871	22DMDD15	76	77	1	SHLE	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.07	3.96	9	0.003	0.0877	0.0029	0.25	0.0024	2.142
181872	22DMDD15	77	78	1	SHLE	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.12	4.08	9	0.004	0.0571	0.0042	1.7	0.0016	3.672
182955	22DMDD15	78	79	1	SHLE	Greenhills_Supergene_Mineralised_Ore	Oxide	0.14	4.21	8	0.449	0.0507	0.0045	5.7	0.0014	4.284
182956	22DMDD15	79	80	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.03	3.15	9	0.231	0.0401	0.0027	1.6	0.0012	0.918
182957	22DMDD15	80	81	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.91	8	0.184	0.037	0.0025	0.9	0.001	1.224
182958	22DMDD15	81	82	1	SDST	Greenhills_Transition_Mineralised_Ore	Transition	0.04	4.12	7	0.351	0.0675	0.0035	4.6	0.0017	1.224
182959	22DMDD15	82	83	1	SDST	Western_Waste_Zone	Transition	0.04	2.61	2.5	0.002	0.0113	0.0027	0.25	0.0008	1.224
182997	22DMDD17	0	1	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.03	2.88	5	0.259	0.0297	0.0026	0.25	0.0016	0.918
182998	22DMDD17	1	2	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	3.34	2.5	0.759	0.0453	0.0024	0.25	0.0015	0.612
182999	22DMDD17	2	3	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	3.38	2.5	1.06	0.0456	0.0026	0.25	0.001	0.612
183000	22DMDD17	3	4	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	4.25	9	1.045	0.0473	0.0027	0.25	0.0029	0.612
183001	22DMDD17	4	5	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.28	2.5	1.12	0.0355	0.0025	0.25	0.0009	0.306
183002	22DMDD17	5	6	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	3.23	2.5	1.28	0.0438	0.0026	0.25	0.0006	0.612
183004	22DMDD17	6	7	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.02	3.56	5	1.19	0.0472	0.0028	0.25	0.001	0.612
183005	22DMDD17	7	8	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.01	3.71	2.5	1.455	0.0421	0.003	0.25	0.0012	0.306
183006	22DMDD17	8	9	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	3.01	5	1.385	0.0348	0.0031	0.25	0.0007	0.612
183007	22DMDD17	9	10	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.01	2.91	2.5	1.39	0.0298	0.0025	0.25	0.0005	0.306
183008	22DMDD17	10	11	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.02	4.1	9	1.535	0.0373	0.0026	0.25	0.0009	0.612
183010	22DMDD17	11	12	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.05	5	2.37	0.0266	0.0023	0.25	0.0005	0.153
183011	22DMDD17	12	13	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.07	7	1.94	0.0202	0.0024	0.25	0.0005	0.153
183012	22DMDD17	13	14	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.43	5	1.49	0.0246	0.0031	0.25	0.0012	0.153
183013	22DMDD17	14	15	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.25	6	2.52	0.0215	0.0026	0.25	0.0006	0.153
183014	22DMDD17	15	16	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.54	2.5	1.095	0.0263	0.0027	0.25	0.0008	0.153

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
183015	22DMDD17	16	16.83	0.83	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.62	7	1.365	0.0318	0.0026	0.25	0.0009	0.153
183015	22DMDD17	16.83	17	0.17	NO	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.62	7	1.365	0.0318	0.0026	0.25	0.0009	0.153
183016	22DMDD17	17	17.6	0.6	NO	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	4.76	10	4.13	0.0444	0.0009	0.25	0.0008	0.153
183016	22DMDD17	17.6	18	0.4	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	4.76	10	4.13	0.0444	0.0009	0.25	0.0008	0.153
183017	22DMDD17	18	19	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.06	7	4.69	0.0387	0.0004	0.25	0.0006	0.153
183018	22DMDD17	19	20	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	4.02	7	4.35	0.0379	0.0006	0.5	0.0009	0.153
183019	22DMDD17	20	21	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	5.33	11	3.02	0.0455	0.0023	0.6	0.0011	0.153
183020	22DMDD17	21	22	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	5.47	8	1.585	0.0498	0.0043	0.25	0.0012	0.153
183021	22DMDD17	22	23	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.15	5	0.392	0.0505	0.0034	0.25	0.0008	0.153
183024	22DMDD17	23	24	1	SDST	Greenhills_Mineralisation Oxide Ore	Oxide	0.005	3.73	9	0.774	0.0434	0.0029	0.25	0.0007	0.153
183025	22DMDD17	24	25	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.79	9	0.49	0.0541	0.0026	0.25	0.0009	0.153
183026	22DMDD17	25	26	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.04	9	0.449	0.0461	0.0026	0.25	0.0009	0.153
183027	22DMDD17	26	27	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	4.35	12	0.377	0.075	0.0024	0.7	0.0009	0.153
183029	22DMDD17	27	28	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	7.57	25	0.36	0.106	0.0024	1.1	0.0019	0.153
183030	22DMDD17	28	29	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	5.03	12	0.338	0.0837	0.0022	0.8	0.0011	0.153
183031	22DMDD17	29	30	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.005	4.8	10	0.239	0.1075	0.0026	0.7	0.001	0.153
183032	22DMDD17	30	31	1	SDST	Greenhills_Mineralised_Waste_Zinc_Zone	Oxide	0.005	4.77	11	0.25	0.116	0.0031	1	0.0011	0.153
183033	22DMDD17	31	32	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	5.53	16	0.24	0.0917	0.0024	1.2	0.0012	0.153
183034	22DMDD17	32	33	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.78	11	0.192	0.0861	0.0024	0.9	0.0018	0.153
183035	22DMDD17	33	34	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.005	3.66	13	0.197	0.0632	0.0017	0.9	0.0009	0.153
183036	22DMDD17	34	34.5	0.5	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.67	10	0.807	0.0741	0.0021	0.9	0.0007	0.153
183036	22DMDD17	34.5	35	0.5	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.67	10	0.807	0.0741	0.0021	0.9	0.0007	0.153
183037	22DMDD17	35	36	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.88	6	0.207	0.0639	0.0031	1	0.0006	0.153
183038	22DMDD17	36	37	1	SDST	Greenhills_Supergene_Mineralised_Ore	Oxide	0.005	3.7	13	0.335	0.0652	0.0025	1.1	0.0007	0.153
183039	22DMDD17	37	38	1	SDST	Western_Waste_Zone	Oxide	0.005	3.6	11	0.112	0.0739	0.0026	1.1	0.0017	0.153
183040	22DMDD17	38	39	1	SDST	Western_Waste_Zone	Oxide	0.005	2.76	8	0.039	0.0726	0.0021	6.3	0.001	0.153
183041	22DMDD17	39	40	1	SDST	Western_Waste_Zone	Oxide	0.005	3.31	16	0.068	0.0639	0.0024	2.5	0.0011	0.153
183042	22DMDD17	40	41	1	SDST	Western_Waste_Zone	Oxide	0.005	3.62	8	0.055	0.0638	0.0025	1.4	0.0009	0.153
183043	22DMDD17	41	42	1	SDST	Western_Waste_Zone	Oxide	0.005	2.92	9	0.025	0.0632	0.0021	8.7	0.0013	0.153
183044	22DMDD17	42	43	1	SDST	Western_Waste_Zone	Oxide	0.01	4.62	18	0.083	0.0905	0.0044	20.2	0.0012	0.306
183046	22DMDD17	43	44	1	SDST	Western_Waste_Zone	Oxide	0.02	3.9	11	0.006	0.0985	0.0032	19.4	0.0015	0.612
183047	22DMDD17	44	45	1	SDST	Western_Waste_Zone	Oxide	0.005	3.51	8	0.002	0.1935	0.0028	1.5	0.0033	0.153
183048	22DMDD17	45	46	1	SDST	Western_Waste_Zone	Oxide	0.005	2.67	10	0.002	0.045	0.0025	0.9	0.0014	0.153
183049	22DMDD17	48	49	1	SDST	Western_Waste_Zone	Oxide	0.18	4.29	8	0.0045	0.0898	0.0033	2	0.0018	5.508
183050	22DMDD17	49	50	1	SDST	Western_Waste_Zone	Oxide	0.04	4.65	9	0.0028	0.209	0.0029	6.7	0.0033	1.224
183053	22DMDD17	50	51	1	SDST	Western_Waste_Zone	Oxide	0.2	4.28	8	0.0039	0.0761	0.0036	0.25	0.0019	6.12
183054	22DMDD17	51	52	1	SDST	Western_Waste_Zone	Oxide	0.05	3.48	8	0.0039	0.0819	0.003	0.9	0.0016	1.53

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
183055	22DMDD17	52	53	1	SDST	Western_Waste_Zone	Oxide	0.03	3.94	12	0.0031	0.0557	0.0035	0.25	0.0018	0.918
183056	22DMDD17	53	54	1	SDST	Western_Waste_Zone	Oxide	0.03	3.72	10	0.0026	0.0829	0.0033	0.25	0.0018	0.918
183057	22DMDD17	58	59	1	SDST	Western_Waste_Zone	Oxide	0.15	3.71	9	0.0032	0.0242	0.0038	0.25	0.0013	4.59
183058	22DMDD17	59	60	1	SDST	Western_Waste_Zone	Oxide	0.09	4.15	8	0.0058	0.122	0.0026	1	0.0023	2.754
183059	22DMDD17	60	61	1	SDST	Western_Waste_Zone	Oxide	0.01	3.61	9	0.012	0.1625	0.0024	0.7	0.0028	0.306
183060	22DMDD17	61	62	1	SDST	Western_Waste_Zone	Oxide	0.06	4.2	10	0.0065	0.1675	0.0033	0.7	0.0031	1.836
183062	22DMDD17	62	63	1	SDST	Western_Waste_Zone	Oxide	0.04	3.35	8	0.0034	0.0247	0.0032	0.25	0.0013	1.224
183063	22DMDD17	65	66	1	SDST	Western_Waste_Zone	Oxide	0.02	2.57	7	0.0035	0.0096	0.0023	0.25	0.0008	0.612
183064	22DMDD17	66	67	1	SDST	Western_Waste_Zone	Oxide	0.01	2.76	8	0.0018	0.0084	0.0024	0.25	0.0009	0.306
183065	22DMDD17	67	68	1	SDST	Western_Waste_Zone	Oxide	0.02	2.8	9	0.0023	0.0124	0.0026	0.25	0.0011	0.612
183066	22DMDD17	68	69	1	SDST	Western_Waste_Zone	Oxide	0.01	2.77	9	0.0042	0.0148	0.0025	0.25	0.0011	0.306
176996	23DMDD21	0	1.1	1.1	COLV	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	3.54	2.5	0.368	0.0529	0.0029	1.1	0.0016	0.612
176997	23DMDD21	1.1	1.9	0.8	COLV	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.3	5.06	44	0.169	0.0425	0.0029	0.25	0.0006	9.18
176998	23DMDD21	1.9	3	1.1	COLV	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	1.52	11	0.08	0.0104	0.0029	0.25	0.0002	0.918
176999	23DMDD21	3	4	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	1.36	2.5	0.083	0.0107	0.003	0.25	0.0001	0.306
177000	23DMDD21	4	4.5	0.5	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	1.12	2.5	0.044	0.0138	0.0025	0.25	0.0002	0.306
177001	23DMDD21	4.5	5.5	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	1.88	2.5	0.052	0.0147	0.0025	0.25	0.0003	0.612
177002	23DMDD21	5.5	6.1	0.6	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	1.48	5	0.059	0.0139	0.0026	0.25	0.0002	0.306
177003	23DMDD21	6.1	6.7	0.6	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	2.48	2.5	0.087	0.0177	0.0028	0.25	0.0003	0.306
177004	23DMDD21	6.7	7.9	1.2	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.01	2.81	6	0.08	0.0169	0.0028	0.25	0.0003	0.306
177005	23DMDD21	7.9	8.45	0.55	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	3.32	2.5	0.074	0.0207	0.0031	0.25	0.0003	0.612
177006	23DMDD21	8.45	9.6	1.15	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.02	5.22	9	0.082	0.0243	0.0025	0.25	0.0002	0.612
177007	23DMDD21	9.6	10.6	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.04	2.34	5	0.031	0.0139	0.0029	0.25	0.0002	1.224
177008	23DMDD21	10.6	11.7	1.1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.03	1.46	2.5	0.091	0.0142	0.0027	0.25	0.0003	0.918
177009	23DMDD21	11.7	12.7	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.05	1.12	2.5	0.016	0.0088	0.0029	0.25	0.0002	1.53
177010	23DMDD21	12.7	14	1.3	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.13	0.89	11	0.009	0.0054	0.0025	0.25	0.0001	3.978
177011	23DMDD21	14	15.4	1.4	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.35	1.59	30	0.011	0.0073	0.0031	0.25	0.0001	10.71
177012	23DMDD21	15.4	16.8	1.4	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.12	1	11	0.015	0.0081	0.0026	0.25	0.0001	3.672
177013	23DMDD21	16.8	18.2	1.4	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.2	1.39	15	0.011	0.0086	0.0028	0.25	0.0001	6.12
177015	23DMDD21	18.2	18.85	0.65	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.43	0.89	10	0.014	0.0084	0.0024	0.25	0.0001	13.158
177016	23DMDD21	18.85	20	1.15	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.43	1.24	15	0.015	0.0079	0.0026	0.25	0.0001	13.158
177017	23DMDD21	20	20.9	0.9	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.88	1.52	84	0.028	0.0042	0.0022	0.25	-0.0001	26.928
177018	23DMDD21	20.9	22.05	1.15	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.96	2.97	106	0.037	0.0025	0.0035	0.25	0.0001	29.376
177019	23DMDD21	22.05	22.5	0.45	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.95	2.43	108	0.041	0.0018	0.0035	0.25	0.0001	29.07
177020	23DMDD21	22.5	23.6	1.1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	1.32	1.82	129	0.047	0.0025	0.0044	0.25	0.0001	40.392
177021	23DMDD21	23.6	25	1.4	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	1.57	1.45	92	0.05	0.0029	0.0025	0.25	0.0001	48.042
177023	23DMDD21	25	26.2	1.2	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	2.25	1.4	123	0.065	0.0024	0.0026	0.25	-0.0001	68.85

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
177024	23DMDD21	26.2	27.5	1.3	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	2.48	2.79	231	0.063	0.002	0.0062	0.25	-0.0001	75.888
177025	23DMDD21	27.5	28.85	1.35	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	2.32	1.51	139	0.064	0.0017	0.0025	0.25	0.0001	70.992
177026	23DMDD21	28.85	29.1	0.25	VN	Greenhills_Supergene_Unmineralised_Waste	Oxide	2.3	2.83	150	0.052	0.0017	0.002	0.25	-0.0001	70.38
177027	23DMDD21	29.1	30.05	0.95	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	4.11	4.49	224	0.066	0.0022	0.0045	0.25	0.0001	125.766
177028	23DMDD21	30.05	30.9	0.85	DMCT	Greenhills_Supergene_Unmineralised_Waste	Oxide	3.68	2.45	194	0.07	0.0067	0.0032	0.25	0.0001	112.608
177029	23DMDD21	30.9	32	1.1	SDBX	Greenhills_Supergene_Unmineralised_Waste	Oxide	2.36	2.2	129	0.048	0.0023	0.0064	0.25	-0.0001	72.216
177030	23DMDD21	32	33.3	1.3	SDBX	Greenhills_Supergene_Unmineralised_Waste	Oxide	2.46	2.75	146	0.035	0.0021	0.0196	0.25	0.0001	75.276
177031	23DMDD21	33.3	34.2	0.9	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	2.26	2.09	95	0.128	0.0021	0.0104	0.25	0.0002	69.156
177032	23DMDD21	34.2	35.5	1.3	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	2.29	2.25	122	0.051	0.003	0.0198	0.25	-0.0001	70.074
177033	23DMDD21	35.5	36.5	1	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	1.91	2.56	72	0.03	0.0024	0.0131	0.25	0.0001	58.446
177034	23DMDD21	36.5	37.8	1.3	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	1.45	1.77	52	0.023	0.0025	0.0129	0.25	-0.0001	44.37
177035	23DMDD21	37.8	38.95	1.15	SDST	Greenhills_Supergene_Unmineralised_Waste	Oxide	3.65	4.21	154	0.094	0.005	0.0178	0.25	-0.0001	111.69
177036	23DMDD21	38.95	39.95	1	SHLE	Greenhills_Supergene_Unmineralised_Waste	Oxide	3.31	1.81	62	0.07	0.0053	0.0079	0.25	-0.0001	101.286
177037	23DMDD21	39.95	40.7	0.75	SHLE	Greenhills_Supergene_Mineralised_Ore	Oxide	2.62	1.39	56	0.306	0.0046	0.0222	0.25	-0.0001	80.172
177038	23DMDD21	40.7	41.5	0.8	SHLE	Main_Zone_Oxide_Ore	Oxide	2.73	1.64	116	1.195	0.0192	0.0074	0.25	-0.0001	83.538
177039	23DMDD21	41.5	42	0.5	SHLE	Main_Zone_Oxide_Ore	Oxide	1.8	1.22	72	0.795	0.0069	0.038	0.25	0.0001	55.08
177040	23DMDD21	42	42.6	0.6	SHLE	Main_Zone_Oxide_Ore	Oxide	2.78	1.9	134	1.61	0.0162	0.0109	0.25	0.0004	85.068
177042	23DMDD21	42.6	43.3	0.7	SHLE	Main_Zone_Oxide_Ore	Oxide	2.22	2.92	153	1.49	0.0149	0.0052	0.25	0.0004	67.932
177043	23DMDD21	43.3	44.4	1.1	CHRT	Main_Zone_Oxide_Ore	Oxide	2.54	3.65	178	1.815	0.0119	0.0005	0.25	0.0002	77.724
177044	23DMDD21	44.4	45.3	0.9	CHRT	Main_Zone_Oxide_Ore	Oxide	2.79	5.16	215	1.26	0.011	0.0009	0.25	0.0006	85.374
177045	23DMDD21	45.3	46.2	0.9	CHRT	Main_Zone_Oxide_Ore	Oxide	1.36	2.68	45	0.841	0.0129	0.0025	0.25	0.0008	41.616
177046	23DMDD21	46.2	46.6	0.4	SHLE	Main_Zone_Oxide_Ore	Oxide	1.04	1.78	18	0.811	0.0198	0.0026	0.25	0.0003	31.824
177047	23DMDD21	46.6	47.6	1	SDBX	Main_Zone_Oxide_Ore	Oxide	1.02	3.29	31	0.642	0.0372	0.0042	0.25	0.0003	31.212
177048	23DMDD21	47.6	48.15	0.55	SDBX	Main_Zone_Oxide_Ore	Oxide	0.77	2.16	15	0.591	0.0172	0.0019	0.25	0.0002	23.562
177049	23DMDD21	48.15	48.65	0.5	SHLE	Main_Zone_Oxide_Ore	Oxide	0.9	3.8	22	0.216	0.0098	0.0034	0.25	0.0001	27.54
177053	23DMDD21	48.65	49.3	0.65	SDST	Main_Zone_Oxide_Ore	Oxide	0.46	2.46	12	0.625	0.005	0.0015	0.25	0.0004	14.076
177054	23DMDD21	49.3	50	0.7	DMCT	Main_Zone_Oxide_Ore	Oxide	1.73	1.77	17	1.35	0.0123	0.0017	0.25	0.001	52.938
177055	23DMDD21	50	51.1	1.1	DMCT	Main_Zone_Oxide_Ore	Oxide	2.06	4.06	51	1.265	0.0177	0.0006	0.25	0.0018	63.036
177056	23DMDD21	51.1	52	0.9	DMCT	Main_Zone_Oxide_Ore	Oxide	2.08	4.16	36	1.54	0.018	0.0015	0.25	0.0013	63.648
177057	23DMDD21	52	53	1	DMCT	Main_Zone_Oxide_Ore	Oxide	1.74	1.76	28	0.959	0.0105	0.0013	0.25	0.0006	53.244
177058	23DMDD21	53	54	1	DMCT	Main_Zone_Oxide_Ore	Oxide	2.22	1.39	23	0.772	0.0101	0.0017	0.25	0.0007	67.932
177059	23DMDD21	54	54.5	0.5	DMCT	Greenhills_Supergene_Unmineralised_Waste	Oxide	3.1	0.73	31	0.101	0.0094	0.0064	0.25	0.001	94.86
177060	23DMDD21	54.5	55	0.5	HYBA	Greenhills_Supergene_Mineralised_Ore	Oxide	5.19	0.47	35	0.47	0.0114	0.0014	0.25	0.0008	158.814
177061	23DMDD21	55	56	1	HYBA	Greenhills_Supergene_Unmineralised_Waste	Oxide	3.24	0.43	68	0.026	0.0112	0.0007	0.25	0.0021	99.144
177062	23DMDD21	56	57	1	HYBA	Greenhills_Supergene_Unmineralised_Waste	Oxide	3.01	0.32	68	0.035	0.0166	0.0009	0.25	0.0017	92.106
177063	23DMDD21	57	58	1	HYBA	Greenhills_Supergene_Unmineralised_Waste	Oxide	1.96	0.27	64	0.049	0.0171	0.0008	0.25	0.0017	59.976
177065	23DMDD21	58	58.6	0.6	HYBA	Greenhills_Supergene_Unmineralised_Waste	Oxide	0.81	0.22	52	0.05	0.0162	0.0005	0.25	0.002	24.786

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
177066	23DMDD21	58.6	59.4	0.8	HYBA	Greenhills_Supergene_Unmineralised_Waste	Oxide	1.5	0.29	53	0.167	0.0141	0.0014	0.25	0.002	45.9
177067	23DMDD21	59.4	60.2	0.8	HYBA	Greenhills_Supergene_Mineralised_Ore	Oxide	4.1	0.38	56	0.287	0.0146	0.0011	0.25	0.0018	125.46
177068	23DMDD21	60.2	61.4	1.2	HYBA	Greenhills_Supergene_Unmineralised_Waste	Oxide	1.22	0.32	47	0.128	0.0185	0.0007	0.25	0.0018	37.332
177069	23DMDD21	61.4	62	0.6	SLST	Main_Zone_Oxide_Ore	Oxide	3.74	0.85	28	0.566	0.0286	0.0011	0.25	0.0004	114.444
177070	23DMDD21	62	62.9	0.9	CHRT	Main_Zone_Oxide_Ore	Oxide	1.07	1.66	45	0.893	0.0301	0.001	0.25	0.0003	32.742
177070	23DMDD21	62.9	63	0.1	CHRT	Main_Zone_Oxide_Ore	Oxide	1.07	1.66	45	0.893	0.0301	0.001	0.25	0.0003	32.742
177071	23DMDD21	63	63.4	0.4	SLST	Main_Zone_Oxide_Ore	Oxide	0.45	1.55	46	1.335	0.0339	0.0019	0.25	0.0004	13.77
177072	23DMDD21	63.4	64.2	0.8	SLST	Main_Zone_Oxide_Ore	Oxide	0.86	2.4	30	1.66	0.0603	0.003	0.25	0.0008	26.316
177073	23DMDD21	64.2	65	0.8	SLST	Main_Zone_Oxide_Ore	Oxide	0.79	1.66	8	1.93	0.0556	0.0036	0.25	0.0007	24.174
177074	23DMDD21	65	65.6	0.6	SLST	Main_Zone_Oxide_Ore	Oxide	0.62	2.17	7	0.919	0.0488	0.004	0.25	0.0006	18.972
177076	23DMDD21	65.6	65.95	0.35	HYBA	Main_Zone_Oxide_Ore	Oxide	0.11	1.2	15	0.754	0.0518	0.0046	0.25	0.0013	3.366
177076	23DMDD21	65.95	66.5	0.55	SLST	Main_Zone_Oxide_Ore	Oxide	0.11	1.2	15	0.754	0.0518	0.0046	0.25	0.0013	3.366
177077	23DMDD21	66.5	67	0.5	HYBA	Main_Zone_Oxide_Ore	Oxide	0.06	4.2	19	1.41	0.0555	0.0018	0.25	0.002	1.836
177078	23DMDD21	67	67.5	0.5	HYBA	Main_Zone_Oxide_Ore	Oxide	0.05	5.41	25	1.265	0.0536	0.0016	0.25	0.0026	1.53
177079	23DMDD21	67.5	68	0.5	HYBA	Main_Zone_Oxide_Ore	Oxide	0.03	7.13	22	2.62	0.0617	0.0007	0.25	0.0033	0.918
177080	23DMDD21	68	68.4	0.4	HYBA	Main_Zone_Oxide_Ore	Oxide	0.04	9.13	35	4.67	0.0563	0.001	0.9	0.0045	1.224
177081	23DMDD21	68.4	69	0.6	HYBA	Main_Zone_Oxide_Ore	Oxide	0.03	7.45	24	3.16	0.0508	0.0009	0.6	0.0036	0.918
177084	23DMDD21	69	69.5	0.5	HYBA	Main_Zone_Oxide_Ore	Oxide	0.03	6.83	22	2.21	0.0515	0.0013	0.6	0.0034	0.918
177085	23DMDD21	69.5	70	0.5	HYBA	Main_Zone_Oxide_Ore	Oxide	0.03	7.68	35	2.48	0.0489	0.0013	0.5	0.0045	0.918
177086	23DMDD21	70	70.5	0.5	HYBA	Main_Zone_Oxide_Ore	Oxide	0.04	7.88	26	3.66	0.0628	0.0015	0.5	0.0038	1.224
177087	23DMDD21	70.5	70.9	0.4	HYBA	Main_Zone_Oxide_Ore	Oxide	0.04	7.73	30	2.84	0.0626	0.0018	0.5	0.004	1.224
177088	23DMDD21	70.9	71.5	0.6	HYBA	Main_Zone_Oxide_Ore	Oxide	0.06	10.8	38	7.11	0.096	0.0012	1.4	0.0041	1.836
177089	23DMDD21	71.5	72	0.5	HYBA	Main_Zone_Oxide_Ore	Oxide	0.09	7.98	49	3.46	0.0592	0.0036	0.5	0.004	2.754
177090	23DMDD21	72	72.5	0.5	HYBA	Main_Zone_Oxide_Ore	Oxide	0.1	7.96	48	3.52	0.0567	0.0024	0.25	0.0037	3.06
177092	23DMDD21	72.5	73	0.5	SLST	Main_Zone_Oxide_Ore	Oxide	0.12	4.04	7	0.994	0.0467	0.0035	0.25	0.0013	3.672
177093	23DMDD21	73	74	1	SLST	Main_Zone_Transition_Ore	Transition	0.16	4.24	10	1.125	0.038	0.0051	0.25	0.0007	4.896
177094	23DMDD21	74	74.75	0.75	SLST	Main_Zone_Transition_Ore	Transition	0.27	3.07	8	0.873	0.0272	0.0041	0.25	0.0004	8.262
177095	23DMDD21	74.75	75.5	0.75	SLST	Main_Zone_Transition_Ore	Transition	0.24	3.23	2.5	0.642	0.0257	0.0043	0.25	0.0005	7.344
177096	23DMDD21	75.5	76.7	1.2	SLST	Main_Zone_Transition_Ore	Transition	0.62	2.4	20	0.997	0.0163	0.004	0.25	0.0004	18.972
177097	23DMDD21	76.7	77.3	0.6	SLST	Main_Zone_Transition_Ore	Transition	0.53	2.86	35	0.198	0.0144	0.005	0.25	0.0004	16.218
177098	23DMDD21	77.3	78	0.7	SDST	Main_Zone_Transition_Ore	Transition	0.67	2.28	33	0.288	0.0171	0.0034	0.25	0.0003	20.502
177099	23DMDD21	78	78.5	0.5	SHLE	Main_Zone_Transition_Ore	Transition	1.32	2.6	47	1.305	0.0171	0.0036	0.25	0.0003	40.392
177100	23DMDD21	78.5	79.8	1.3	SHLE	Main_Zone_Transition_Ore	Transition	1.07	1.86	15	0.87	0.0159	0.0047	0.25	0.0004	32.742
177101	23DMDD21	79.8	80.5	0.7	SHLE	Main_Zone_Transition_Ore	Transition	1.92	9.91	103	3.9	0.0364	0.0047	0.25	0.0006	58.752
177102	23DMDD21	80.5	81.7	1.2	SHLE	Main_Zone_Transition_Ore	Transition	0.73	4.45	18	1.65	0.0359	0.005	0.25	0.0005	22.338
177103	23DMDD21	81.7	82.8	1.1	SLST	Main_Zone_Transition_Ore	Transition	0.58	4.49	11	1.615	0.0239	0.004	0.25	0.0006	17.748
177104	23DMDD21	82.8	84	1.2	SLST	Main_Zone_Transition_Ore	Transition	0.05	3.95	2.5	0.587	0.0235	0.0047	0.25	0.0007	1.53

Sample ID	Hole ID	From	To	Interval (m)	Sample Description	Domain Classification	Oxidation	Total S (%)	Fe (%)	As (%)	Cu (%)	Zn (%)	Pb (%)	Cd (%)	Co (%)	(MPA)
177105	23DMDD21	84	85	1	SLST	Greenhills_Transition_Mineralised_ore	Transition	0.04	3.68	6	0.369	0.0331	0.0045	2.3	0.0008	1.224
177106	23DMDD21	85	86	1	SHLE	Greenhills_Transition_Waste	Transition	0.12	6.02	2.5	0.063	0.679	0.0047	179.5	0.0026	3.672
177108	23DMDD21	86	87	1	SLST	Eastern_Waste_Zone	Transition	0.31	5.09	8	0.003	0.505	0.0049	103	0.0022	9.486
177109	23DMDD21	87	88	1	SLST	Eastern_Waste_Zone	Transition	0.21	4.31	6	0.002	0.1375	0.005	31.4	0.0013	6.426
177110	23DMDD21	88	89	1	SLST	Eastern_Waste_Zone	Transition	0.24	4.82	5	0.003	0.258	0.0052	78.8	0.0016	7.344
177111	23DMDD21	89	90	1	SLST	Eastern_Waste_Zone	Transition	0.12	5.65	9	0.001	0.361	0.0056	194	0.0025	3.672
177112	23DMDD21	90	91	1	SLST	Eastern_Waste_Zone	Transition	0.34	7.23	8	0.008	0.735	0.0048	178.5	0.0052	10.404
177113	23DMDD21	91	92	1	SLST	Eastern_Waste_Zone	Transition	0.05	4.61	2.5	0.001	0.1975	0.0048	107.5	0.0019	1.53
177114	23DMDD21	92	93	1	SLST	Eastern_Waste_Zone	Transition	0.31	5.45	10	0.002	0.456	0.0049	97.2	0.0037	9.486

APPENDIX C -

Raw Data Sequential Coppers

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
181902	21DMDD01	0.221	0.048	0.007	0.124	0.041	0.22	0.031818182	0.436363636	0.563636364
181903	21DMDD01	0.314	0.137	0.008	0.087	0.084	0.316	0.025316456	0.724683544	0.275316456
181905	21DMDD01	0.358	0.135	0.011	0.142	0.068	0.356	0.030898876	0.601123596	0.398876404
181906	21DMDD01	0.274	0.079	0.007	0.106	0.074	0.266	0.026315789	0.601503759	0.398496241
181907	21DMDD01	0.303	0.139	0.007	0.1	0.058	0.304	0.023026316	0.671052632	0.328947368
181908	21DMDD01	0.28	0.132	0.006	0.068	0.077	0.283	0.021201413	0.759717314	0.240282686
181909	21DMDD01	0.201	0.044	0.009	0.095	0.055	0.203	0.044334975	0.532019704	0.467980296
181910	21DMDD01	0.2	0.085	0.006	0.057	0.054	0.202	0.02970297	0.717821782	0.282178218
181912	21DMDD01	0.307	0.206	0.005	0.041	0.063	0.315	0.015873016	0.86984127	0.13015873
181913	21DMDD01	0.278	0.159	0.005	0.048	0.069	0.281	0.017793594	0.829181495	0.170818505
181914	21DMDD01	0.32	0.193	0.006	0.058	0.068	0.325	0.018461538	0.821538462	0.178461538
181915	21DMDD01	0.359	0.24	0.005	0.037	0.089	0.371	0.013477089	0.900269542	0.099730458
181916	21DMDD01	0.448	0.321	0.006	0.032	0.084	0.443	0.013544018	0.927765237	0.072234763
181917	21DMDD01	0.737	0.583	0.009	0.052	0.112	0.756	0.011904762	0.931216931	0.068783069
181918	21DMDD01	0.681	0.548	0.009	0.045	0.102	0.704	0.012784091	0.936079545	0.063920455
181921	21DMDD01	0.529	0.392	0.007	0.052	0.092	0.543	0.012891344	0.904235727	0.095764273
181922	21DMDD01	0.506	0.353	0.022	0.04	0.08	0.495	0.044444444	0.919191919	0.080808081
181923	21DMDD01	0.333	0.208	0.009	0.041	0.072	0.33	0.027272727	0.875757576	0.124242424
181924	21DMDD01	0.423	0.309	0.012	0.034	0.07	0.425	0.028235294	0.92	0.08
181925	21DMDD01	0.371	0.251	0.011	0.04	0.072	0.374	0.029411765	0.893048128	0.106951872
181926	21DMDD01	0.266	0.149	0.012	0.023	0.079	0.263	0.045627376	0.912547529	0.087452471
181928	21DMDD01	0.67	0.431	0.052	0.031	0.162	0.676	0.076923077	0.954142012	0.045857988
181929	21DMDD01	0.629	0.285	0.066	0.046	0.235	0.632	0.10443038	0.92721519	0.07278481
181930	21DMDD01	0.616	0.374	0.065	0.024	0.155	0.618	0.105177994	0.961165049	0.038834951
181931	21DMDD01	0.852	0.566	0.092	0.025	0.171	0.854	0.107728337	0.970725995	0.029274005
181932	21DMDD01	1.245	0.797	0.08	0.04	0.302	1.22	0.06557377	0.966393443	0.032786885
181933	21DMDD01	1.05	0.424	0.097	0.063	0.481	1.065	0.091079812	0.94084507	0.05915493
181934	21DMDD01	0.775	0.364	0.076	0.025	0.324	0.789	0.096324461	0.968314322	0.031685678
181935	21DMDD01	0.134	0.064	0.029	0.006	0.041	0.14	0.207142857	0.957142857	0.042857143
181936	21DMDD01	0.068	0.012	0.038	0.007	0.01	0.067	0.567164179	0.895522388	0.104477612
181937	21DMDD01	0.915	0.048	0.325	0.351	0.158	0.882	0.368480726	0.602040816	0.397959184
181938	21DMDD01	0.058	0.009	0.033	0.014	0.01	0.066	0.5	0.787878788	0.212121212
181941	21DMDD01	0.054	0.006	0.033	0.009	0.006	0.054	0.611111111	0.833333333	0.166666667
181942	21DMDD01	0.01	0.002	0.005	0.001	0.001	0.009	0.555555556	0.888888889	0.111111111
181943	21DMDD01	0.27	0.023	0.086	0.109	0.06	0.278	0.309352518	0.607913669	0.392086331
181944	21DMDD01	0.362	0.03	0.092	0.103	0.115	0.34	0.270588235	0.697058824	0.302941176
181945	21DMDD01	0.399	0.034	0.127	0.134	0.121	0.416	0.305288462	0.677884615	0.322115385
181946	21DMDD01	0.252	0.024	0.085	0.098	0.053	0.26	0.326923077	0.623076923	0.376923077
181947	21DMDD01	1.075	0.052	0.303	0.116	0.651	1.12	0.270535714	0.898214286	0.103571429
181949	21DMDD01	0.522	0.039	0.123	0.156	0.201	0.519	0.23699422	0.699421965	0.300578035
181951	21DMDD01	0.033	0.005	0.011	0.011	0.007	0.034	0.323529412	0.676470588	0.323529412
181952	21DMDD01	0.006	0.002	0.003	0.001	0.001	0.007	0.428571429	0.857142857	0.142857143
181953	21DMDD01	0.055	0.009	0.021	0.004	0.01	0.044	0.477272727	0.909090909	0.090909091
181954	21DMDD01	0.156	0.008	0.038	0.054	0.052	0.152	0.25	0.644736842	0.355263158
181955	21DMDD01	0.058	0.013	0.024	0.011	0.012	0.06	0.4	0.816666667	0.183333333
181956	21DMDD01	0.549	0.25	0.104	0.021	0.154	0.529	0.196597353	0.960302457	0.039697543
181957	21DMDD01	0.448	0.2	0.099	0.016	0.126	0.441	0.224489796	0.963718821	0.036281179
181958	21DMDD01	0.418	0.175	0.07	0.056	0.11	0.411	0.170316302	0.863746959	0.136253041
181959	21DMDD01	0.758	0.393	0.082	0.057	0.213	0.745	0.110067114	0.923489933	0.076510067
181961	21DMDD01	0.509	0.298	0.047	0.024	0.128	0.497	0.094567404	0.951710262	0.048289738
181962	21DMDD01	0.624	0.41	0.023	0.034	0.148	0.615	0.037398374	0.944715447	0.055284553
181963	21DMDD01	1.06	0.714	0.037	0.044	0.252	1.045	0.035406699	0.959808612	0.042105263

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
181964	21DMDD01	0.488	0.323	0.058	0.019	0.091	0.491	0.118126273	0.961303462	0.038696538
181965	21DMDD01	0.148	0.032	0.078	0.012	0.027	0.149	0.523489933	0.919463087	0.080536913
181968	21DMDD01	0.174	0.057	0.069	0.015	0.034	0.175	0.394285714	0.914285714	0.085714286
181969	21DMDD01	1.51	0.763	0.116	0.07	0.556	1.505	0.077076412	0.953488372	0.046511628
181970	21DMDD01	1.865	1.21	0.121	0.044	0.527	1.9	0.063684211	0.977894737	0.023157895
181971	21DMDD01	0.977	0.5	0.059	0.102	0.278	0.939	0.062832801	0.891373802	0.108626198
181973	21DMDD01	0.521	0.157	0.232	0.036	0.102	0.527	0.440227704	0.931688805	0.068311195
181974	21DMDD01	0.784	0.377	0.127	0.045	0.216	0.765	0.166013072	0.941176471	0.058823529
181975	21DMDD01	0.399	0.199	0.035	0.028	0.137	0.399	0.087719298	0.929824561	0.070175439
181976	21DMDD01	0.414	0.21	0.058	0.033	0.112	0.413	0.140435835	0.920096852	0.079903148
181977	21DMDD01	0.342	0.133	0.056	0.026	0.135	0.35	0.16	0.925714286	0.074285714
181978	21DMDD01	0.798	0.425	0.068	0.036	0.261	0.79	0.086075949	0.95443038	0.04556962
181979	21DMDD01	0.697	0.393	0.025	0.031	0.231	0.68	0.036764706	0.954411765	0.045588235
181981	21DMDD01	0.195	0.104	0.017	0.017	0.059	0.197	0.086294416	0.913705584	0.086294416
181982	21DMDD01	3.02	1.82	0.167	0.153	0.842	2.98	0.056040268	0.949328859	0.051342282
181983	21DMDD01	0.141	0.083	0.017	0.006	0.035	0.141	0.120567376	0.957446809	0.042553191
181984	21DMDD01	0.104	0.054	0.024	0.011	0.021	0.11	0.218181818	0.9	0.1
181985	21DMDD01	0.064	0.02	0.022	0.006	0.018	0.066	0.333333333	0.909090909	0.090909091
181986	21DMDD01	0.181	0.08	0.029	0.013	0.065	0.187	0.155080214	0.930481283	0.069518717
181987	21DMDD01	0.046	0.012	0.013	0.007	0.013	0.045	0.288888889	0.844444444	0.155555556
181989	21DMDD01	0.003	0.001	0.001	0.001	0.001	0.004	0.25	0.75	0.25
181990	21DMDD01	0.003	0.001		0.001	0.001	0.003			0.333333333
181991	21DMDD01	0.002	0.001		0.001		0.002			0.5
181999	21DMDD02	0.51	0.278	0.008	0.106	0.118	0.51	0.015686275	0.792156863	0.207843137
182000	21DMDD02	1.01	0.815	0.008	0.076	0.107	1.005	0.007960199	0.925373134	0.075621891
182002	21DMDD02	0.936	0.695	0.01	0.106	0.122	0.933	0.010718114	0.886387996	0.113612004
182003	21DMDD02	0.747	0.555	0.009	0.088	0.094	0.746	0.012064343	0.882037534	0.117962466
182004	21DMDD02	0.806	0.642	0.007	0.061	0.118	0.828	0.008454106	0.926328502	0.073671498
182005	21DMDD02	0.758	0.602	0.007	0.065	0.09	0.764	0.009162304	0.914921466	0.085078534
182006	21DMDD02	0.612	0.445	0.007	0.064	0.097	0.613	0.01141925	0.895595432	0.104404568
182007	21DMDD02	0.425	0.278	0.007	0.065	0.066	0.416	0.016826923	0.84375	0.15625
182008	21DMDD02	0.332	0.198	0.006	0.054	0.064	0.322	0.01863354	0.832298137	0.167701863
182010	21DMDD02	0.29	0.17	0.006	0.057	0.052	0.285	0.021052632	0.8	0.2
182011	21DMDD02	0.453	0.277	0.007	0.052	0.109	0.445	0.015730337	0.883146067	0.116853933
182012	21DMDD02	0.422	0.259	0.006	0.052	0.096	0.413	0.014527845	0.87409201	0.12590799
182013	21DMDD02	0.572	0.383	0.008	0.062	0.117	0.57	0.014035088	0.89122807	0.10877193
182014	21DMDD02	1.42	1.14	0.013	0.059	0.179	1.39	0.009352518	0.958273381	0.042446043
182015	21DMDD02	2.29	1.865	0.022	0.085	0.255	2.23	0.009865471	0.960538117	0.038116592
182016	21DMDD02	1.795	1.5	0.013	0.053	0.193	1.76	0.007386364	0.969318182	0.030113636
182017	21DMDD02	3.26	2.66	0.041	0.161	0.362	3.22	0.012732919	0.951242236	0.05
182018	21DMDD02	1.07	0.847	0.01	0.046	0.156	1.06	0.009433962	0.955660377	0.043396226
182019	21DMDD02	0.315	0.181	0.005	0.037	0.097	0.32	0.015625	0.884375	0.115625
182022	21DMDD02	0.336	0.192	0.007	0.05	0.074	0.323	0.021671827	0.845201238	0.154798762
182023	21DMDD02	0.268	0.132	0.006	0.054	0.071	0.263	0.022813688	0.794676806	0.205323194
182024	21DMDD02	0.266	0.135	0.007	0.05	0.066	0.258	0.027131783	0.80620155	0.19379845
182025	21DMDD02	0.384	0.127	0.089	0.031	0.137	0.384	0.231770833	0.919270833	0.080729167
182026	21DMDD02	0.682	0.33	0.033	0.023	0.299	0.685	0.048175182	0.966423358	0.033576642
182027	21DMDD02	0.722	0.35	0.046	0.029	0.298	0.723	0.06362379	0.95988935	0.04011065
182029	21DMDD02	0.704	0.431	0.038	0.039	0.19	0.698	0.054441261	0.944126074	0.055873926
182030	21DMDD02	0.611	0.438	0.006	0.031	0.14	0.615	0.009756098	0.949593496	0.050406504
182031	21DMDD02	1.185	0.821	0.02	0.037	0.25	1.13	0.017699115	0.965486726	0.032743363
182032	21DMDD02	1.37	1.005	0.019	0.046	0.293	1.365	0.013919414	0.964835165	0.033699634

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
182033	21DMDD02	3.09	2.28	0.059	0.214	0.449	3	0.019666667	0.929333333	0.071333333
182034	21DMDD02	1.02	0.779	0.009	0.037	0.193	1.02	0.008823529	0.961764706	0.03627451
182035	21DMDD02	0.669	0.436	0.01	0.097	0.115	0.658	0.015197568	0.852583587	0.147416413
182036	21DMDD02	1.3	0.984	0.014	0.054	0.234	1.285	0.010894942	0.958754864	0.042023346
182039	21DMDD02	1.415	1.155	0.01	0.057	0.202	1.425	0.007017544	0.959298246	0.04
182040	21DMDD02	1.955	1.46	0.025	0.196	0.307	1.99	0.012562814	0.900502513	0.098492462
182041	21DMDD02	0.878	0.659	0.007	0.046	0.166	0.878	0.007972665	0.9476082	0.0523918
182042	21DMDD02	1.11	0.7	0.023	0.085	0.344	1.15	0.02	0.927826087	0.073913043
182043	21DMDD02	0.991	0.701	0.014	0.064	0.23	1.01	0.013861386	0.935643564	0.063366337
182044	21DMDD02	2.71	2.1	0.03	0.351	0.191	2.67	0.011235955	0.86928839	0.131460674
182045	21DMDD02	1.015	0.85	0.009	0.056	0.088	1.005	0.008955224	0.942288557	0.055721393
182046	21DMDD02	0.779	0.581	0.008	0.048	0.121	0.758	0.01055409	0.936675462	0.063324538
182047	21DMDD02	1.115	0.937	0.01	0.065	0.117	1.13	0.008849558	0.94159292	0.057522124
182048	21DMDD02	2.67	2.1	0.048	0.155	0.419	2.72	0.017647059	0.94375	0.056985294
182050	21DMDD02	2.52	1.97	0.05	0.175	0.377	2.57	0.019455253	0.932684825	0.068093385
182052	21DMDD02	1.3	1.05	0.025	0.057	0.151	1.285	0.019455253	0.954085603	0.044357977
182053	21DMDD02	2.2	1.73	0.04	0.255	0.178	2.2	0.018181818	0.885454545	0.115909091
182055	21DMDD02	1.255	1.01	0.029	0.034	0.179	1.25	0.0232	0.9744	0.0272
182056	21DMDD02	1.425	1.11	0.065	0.045	0.222	1.44	0.045138889	0.970138889	0.03125
182057	21DMDD02	0.735	0.532	0.048	0.022	0.106	0.708	0.06779661	0.968926554	0.031073446
182058	21DMDD02	0.255	0.153	0.017	0.012	0.075	0.257	0.06614786	0.953307393	0.046692607
182059	21DMDD02	0.319	0.176	0.04	0.023	0.078	0.317	0.126182965	0.927444795	0.072555205
182060	21DMDD02	0.724	0.504	0.017	0.025	0.169	0.715	0.023776224	0.965034965	0.034965035
182061	21DMDD02	0.416	0.234	0.029	0.035	0.107	0.405	0.071604938	0.913580247	0.086419753
182062	21DMDD02	0.677	0.222	0.09	0.133	0.161	0.606	0.148514851	0.780528053	0.219471947
182063	21DMDD02	0.022	0.006	0.007	0.002	0.003	0.018	0.388888889	0.888888889	0.111111111
182064	21DMDD02	0.002	0.001			0.001	0.002			
182065	21DMDD02	0.002	0.001				0.001			
182066	21DMDD02	0.03	0.003	0.004	0.003	0.001	0.011	0.363636364	0.727272727	0.272727273
182069	21DMDD02	0.001	0.001		0.001		0.002			0.5
182070	21DMDD02	0.002	0.001		0.001		0.002			0.5
182071	21DMDD02	0.003	0.001		0.001		0.002			0.5
182072	21DMDD02	0.005	0.001	0.001	0.002		0.004	0.25		0.5
182073	21DMDD02	0.004	0.001	0.001	0.002		0.004	0.25		0.5
182158	21DMDD04A	1.845	0.149	0.351	0.168	1.2	1.87	0.187700535	0.909090909	0.089839572
182159	21DMDD04A	5.7	0.19	0.937	0.302	4.38	5.81	0.161273666	0.947848537	0.051979346
182160	21DMDD04A	11.4	1.365	1.195	0.354	8.3	11.2	0.106696429	0.969642857	0.031607143
182161	21DMDD04A	2.47	2.01	0.104	0.034	0.277	2.43	0.042798354	0.983950617	0.01399177
182163	21DMDD04A	1.685	1.135	0.143	0.099	0.272	1.65	0.086666667	0.939393939	0.06
182164	21DMDD04A	2.58	0.349	0.867	0.584	0.773	2.57	0.337354086	0.773929961	0.227237354
182166	21DMDD04A	3.79	0.305	0.619	0.121	2.81	3.86	0.160362694	0.967357513	0.03134715
182167	21DMDD04A	1.85	0.233	0.292	0.045	1.305	1.875	0.155733333	0.976	0.024
182169	21DMDD04A	1.885	0.221	0.442	0.056	1.17	1.89	0.233862434	0.96984127	0.02962963
182170	21DMDD04A	1.385	0.174	0.441	0.059	0.691	1.365	0.323076923	0.956776557	0.043223443
182171	21DMDD04A	0.436	0.168	0.138	0.035	0.081	0.422	0.327014218	0.917061611	0.082938389
182173	21DMDD04A	0.154	0.025	0.06	0.064	0.004	0.153	0.392156863	0.581699346	0.418300654
182291	22DMDD07	0.021	0.003		0.014	0.002	0.019			0.736842105
182292	22DMDD07	0.016	0.001		0.011	0.002	0.014			0.785714286
182293	22DMDD07	0.098	0.007	0.001	0.072	0.011	0.091	0.010989011	0.208791209	0.791208791
182294	22DMDD07	0.075	0.008	0.002	0.052	0.011	0.073	0.02739726	0.287671233	0.712328767
182295	22DMDD07	0.101	0.013	0.003	0.065	0.017	0.098	0.030612245	0.336734694	0.663265306
182296	22DMDD07	0.218	0.033	0.007	0.135	0.039	0.214	0.03271028	0.369158879	0.630841121

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
182297	22DMDD07	0.177	0.075	0.003	0.048	0.046	0.172	0.01744186	0.720930233	0.279069767
182299	22DMDD07	0.118	0.016	0.006	0.06	0.034	0.116	0.051724138	0.482758621	0.517241379
182300	22DMDD07	0.162	0.027	0.005	0.081	0.042	0.155	0.032258065	0.477419355	0.522580645
182301	22DMDD07	0.276	0.035	0.011	0.172	0.056	0.274	0.040145985	0.372262774	0.627737226
182302	22DMDD07	0.209	0.027	0.008	0.133	0.038	0.206	0.038834951	0.354368932	0.645631068
182303	22DMDD07	0.183	0.019	0.006	0.122	0.031	0.178	0.033707865	0.314606742	0.685393258
182304	22DMDD07	0.08	0.01	0.002	0.046	0.019	0.077	0.025974026	0.402597403	0.597402597
182305	22DMDD07	0.074	0.013	0.002	0.04	0.019	0.074	0.027027027	0.459459459	0.540540541
182306	22DMDD07	0.123	0.015	0.004	0.071	0.029	0.119	0.033613445	0.403361345	0.596638655
182307	22DMDD07	0.103	0.01	0.004	0.069	0.018	0.101	0.03960396	0.316831683	0.683168317
182308	22DMDD07	0.17	0.083	0.004	0.045	0.032	0.164	0.024390244	0.725609756	0.274390244
182311	22DMDD07	0.07	0.04	0.002	0.01	0.014	0.066	0.03030303	0.848484848	0.151515152
182312	22DMDD07	0.061	0.02	0.002	0.025	0.012	0.059	0.033898305	0.576271186	0.423728814
182313	22DMDD07	0.056	0.012	0.002	0.027	0.008	0.049	0.040816327	0.448979592	0.551020408
182314	22DMDD07	0.034	0.007	0.001	0.017	0.005	0.03	0.033333333	0.433333333	0.566666667
182315	22DMDD07	0.043	0.008	0.001	0.022	0.008	0.039	0.025641026	0.435897436	0.564102564
182316	22DMDD07	0.033	0.009	0.001	0.015	0.006	0.031	0.032258065	0.516129032	0.483870968
182317	22DMDD07	0.053	0.01	0.002	0.026	0.012	0.05	0.04	0.48	0.52
182318	22DMDD07	0.046	0.006	0.002	0.027	0.01	0.045	0.044444444	0.4	0.6
182320	22DMDD07	0.061	0.008	0.002	0.037	0.011	0.058	0.034482759	0.362068966	0.637931034
182321	22DMDD07	0.027	0.004	0.002	0.014	0.005	0.025	0.08	0.44	0.56
182322	22DMDD07	0.01	0.001	0.001	0.006	0.002	0.01	0.1	0.4	0.6
182323	22DMDD07	0.001			0.001		0.001			1
182324	22DMDD07	0.003			0.002		0.002			1
182325	22DMDD07	0.001			0.001		0.001			1
182326	22DMDD07	0.002			0.001		0.001			1
182327	22DMDD07	0.002			0.001		0.001			1
182328	22DMDD07	0.014	0.003	0.002	0.006	0.002	0.013	0.153846154	0.538461538	0.461538462
182329	22DMDD07	0.05	0.011	0.007	0.021	0.009	0.048	0.145833333	0.5625	0.4375
182330	22DMDD07	0.003	0.001	0.001	0.001		0.003	0.333333333		0.333333333
182331	22DMDD07	0.045	0.024	0.01	0.005	0.011	0.05	0.2	0.9	0.1
182332	22DMDD07	0.218	0.135	0.017	0.029	0.038	0.219	0.077625571	0.867579909	0.132420091
182333	22DMDD07	0.137	0.076	0.016	0.012	0.031	0.135	0.118518519	0.911111111	0.088888889
182334	22DMDD07	0.019	0.011	0.001	0.003	0.003	0.018	0.055555556	0.833333333	0.166666667
182335	22DMDD07	0.002	0.001	0.001	0.001		0.003	0.333333333		0.333333333
182336	22DMDD07	0.01	0.003	0.004	0.001	0.002	0.01	0.4	0.9	0.1
182338	22DMDD07	0.002	0.001	0.001			0.002	0.5		
182339	22DMDD07	0.002	0.001		0.001		0.002			0.5
182340	22DMDD07	0.001			0.001		0.001			1
182467	22DMDD09	0.076	0.004	0.002	0.059	0.01	0.075	0.026666667	0.213333333	0.786666667
182468	22DMDD09	0.085	0.006	0.004	0.065	0.012	0.087	0.045977011	0.252873563	0.747126437
182469	22DMDD09	0.048	0.004	0.006	0.032	0.005	0.047	0.127659574	0.319148936	0.680851064
182470	22DMDD09	0.026	0.003	0.001	0.017	0.003	0.024	0.041666667	0.291666667	0.708333333
182471	22DMDD09	0.153	0.003	0.004	0.139	0.008	0.154	0.025974026	0.097402597	0.902597403
182472	22DMDD09	0.053	0.001	0.002	0.046	0.002	0.051	0.039215686	0.098039216	0.901960784
182473	22DMDD09	0.09	0.003	0.004	0.074	0.005	0.086	0.046511628	0.139534884	0.860465116
182474	22DMDD09	0.061	0.002	0.003	0.054	0.002	0.061	0.049180328	0.114754098	0.885245902
182475	22DMDD09	0.07	0.003	0.006	0.057	0.002	0.068	0.088235294	0.161764706	0.838235294
182476	22DMDD09	0.077	0.003	0.002	0.066	0.003	0.074	0.027027027	0.108108108	0.891891892
182477	22DMDD09	0.071	0.012	0.003	0.045	0.006	0.066	0.045454545	0.318181818	0.681818182
182478	22DMDD09	0.122	0.025	0.005	0.078	0.015	0.123	0.040650407	0.365853659	0.634146341
182479	22DMDD09	0.17	0.023	0.006	0.106	0.027	0.162	0.037037037	0.345679012	0.654320988

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
182480	22DMDD09	0.276	0.07	0.007	0.1	0.085	0.262	0.026717557	0.618320611	0.381679389
182481	22DMDD09	2.51	1.615	0.085	0.227	0.495	2.42	0.035123967	0.907024793	0.093801653
182483	22DMDD09	1.155	0.814	0.036	0.093	0.182	1.125	0.032	0.917333333	0.082666667
182484	22DMDD09	3.72	2.7	0.041	0.04	0.883	3.66	0.011202186	0.990163934	0.010928962
182485	22DMDD09	2.18	1.6	0.034	0.028	0.497	2.16	0.015740741	0.986574074	0.012962963
182486	22DMDD09	0.868	0.622	0.024	0.034	0.186	0.866	0.027713626	0.96073903	0.03926097
182487	22DMDD09	11.85	8.27	0.146	0.087	2.83	11.35	0.012863436	0.990837004	0.007665198
182488	22DMDD09	6.98	5.09	0.2	0.053	1.43	6.77	0.029542097	0.992614476	0.007828656
182490	22DMDD09	0.545	0.281	0.037	0.029	0.197	0.544	0.068014706	0.946691176	0.053308824
182491	22DMDD09	0.16	0.033	0.045	0.026	0.057	0.161	0.279503106	0.838509317	0.161490683
182492	22DMDD09	0.066	0.022	0.012	0.014	0.014	0.062	0.193548387	0.774193548	0.225806452
182493	22DMDD09	0.09	0.026	0.03	0.02	0.016	0.092	0.326086957	0.782608696	0.217391304
182494	22DMDD09	0.078	0.017	0.023	0.021	0.014	0.075	0.306666667	0.72	0.28
182495	22DMDD09	0.295	0.095	0.087	0.078	0.03	0.29	0.3	0.731034483	0.268965517
182496	22DMDD09	0.334	0.102	0.116	0.08	0.033	0.331	0.350453172	0.758308157	0.241691843
182497	22DMDD09	0.627	0.265	0.233	0.049	0.07	0.617	0.377633712	0.920583468	0.079416532
182498	22DMDD09	0.854	0.299	0.377	0.024	0.143	0.843	0.447212337	0.971530249	0.028469751
182499	22DMDD09	0.103	0.029	0.034	0.024	0.017	0.104	0.326923077	0.769230769	0.230769231
182500	22DMDD09	0.197	0.07	0.028	0.031	0.072	0.201	0.139303483	0.845771144	0.154228856
182501	22DMDD09	0.584	0.343	0.037	0.02	0.187	0.587	0.063032368	0.96592845	0.03407155
182502	22DMDD09	3.38	1.45	0.892	0.272	0.756	3.37	0.264688427	0.919287834	0.080712166
182503	22DMDD09	5.8	3.55	0.688	0.221	1.46	5.92	0.116216216	0.9625	0.037331081
182504	22DMDD09	1.68	1.21	0.047	0.023	0.404	1.685	0.027893175	0.985756677	0.013649852
182505	22DMDD09	0.515	0.298	0.039	0.033	0.144	0.514	0.075875486	0.935797665	0.064202335
182506	22DMDD09	0.447	0.24	0.025	0.015	0.158	0.438	0.057077626	0.965753425	0.034246575
182507	22DMDD09	0.559	0.344	0.019	0.022	0.182	0.567	0.0335097	0.961199295	0.038800705
182508	22DMDD09	0.493	0.229	0.03	0.026	0.213	0.498	0.060240964	0.947791165	0.052208835
182509	22DMDD09	0.317	0.124	0.028	0.022	0.152	0.326	0.085889571	0.932515337	0.067484663
182510	22DMDD09	0.415	0.199	0.044	0.015	0.146	0.404	0.108910891	0.962871287	0.037128713
182512	22DMDD09	0.277	0.106	0.033	0.034	0.1	0.273	0.120879121	0.875457875	0.124542125
182513	22DMDD09	0.397	0.191	0.059	0.034	0.106	0.39	0.151282051	0.912820513	0.087179487
182514	22DMDD09	0.229	0.082	0.083	0.019	0.039	0.223	0.372197309	0.914798206	0.085201794
182515	22DMDD09	0.186	0.064	0.053	0.012	0.053	0.182	0.291208791	0.934065934	0.065934066
182516	22DMDD09	3.05	0.549	0.42	0.685	1.48	3.13	0.134185304	0.782428115	0.21884984
182517	22DMDD09	0.635	0.308	0.045	0.029	0.226	0.608	0.074013158	0.952302632	0.047697368
182518	22DMDD09	0.506	0.21	0.069	0.021	0.197	0.497	0.138832998	0.957746479	0.042253521
182519	22DMDD09	0.876	0.463	0.076	0.081	0.263	0.883	0.086070215	0.908267271	0.091732729
182520	22DMDD09	0.401	0.189	0.039	0.02	0.159	0.407	0.095823096	0.950859951	0.049140049
182521	22DMDD09	0.909	0.638	0.04	0.016	0.206	0.9	0.044444444	0.982222222	0.017777778
182522	22DMDD09	1.92	1.71	0.037	0.015	0.172	1.935	0.019121447	0.991731266	0.007751938
182523	22DMDD09	0.948	0.667	0.036	0.024	0.206	0.933	0.038585209	0.974276527	0.025723473
182524	22DMDD09	0.555	0.205	0.038	0.029	0.267	0.539	0.070500928	0.94619666	0.05380334
182527	22DMDD09	1.24	0.226	0.058	0.008	0.963	1.255	0.046215139	0.993625498	0.006374502
182529	22DMDD09	0.5	0.254	0.036	0.015	0.188	0.493	0.073022312	0.969574037	0.030425963
182530	22DMDD09	0.389	0.263	0.042	0.017	0.065	0.387	0.108527132	0.956072351	0.043927649
182531	22DMDD09	0.388	0.286	0.035	0.014	0.046	0.381	0.091863517	0.963254593	0.036745407
182533	22DMDD09	0.217	0.139	0.021	0.013	0.046	0.219	0.095890411	0.940639269	0.059360731
182534	22DMDD09	0.206	0.131	0.023	0.007	0.046	0.207	0.111111111	0.966183575	0.033816425
182535	22DMDD09	0.174	0.111	0.02	0.006	0.037	0.174	0.114942529	0.965517241	0.034482759
182536	22DMDD09	0.199	0.12	0.019	0.006	0.043	0.188	0.10106383	0.968085106	0.031914894
182537	22DMDD09	0.15	0.072	0.023	0.006	0.057	0.158	0.14556962	0.962025316	0.037974684
182538	22DMDD09	2.69	0.291	0.803	0.017	1.695	2.81	0.285765125	0.99252669	0.006049822

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
182539	22DMDD09	0.5	0.085	0.092	0.007	0.343	0.527	0.174573055	0.986717268	0.013282732
182540	22DMDD09	0.418	0.047	0.081	0.02	0.282	0.43	0.188372093	0.953488372	0.046511628
182541	22DMDD09	0.37	0.017	0.044	0.011	0.322	0.394	0.111675127	0.972081218	0.027918782
182542	22DMDD09	1.165	0.055	0.261	0.076	0.84	1.23	0.212195122	0.939837398	0.061788618
182543	22DMDD09	0.143	0.026	0.062	0.007	0.048	0.143	0.433566434	0.951048951	0.048951049
182544	22DMDD09	0.108	0.035	0.029	0.007	0.037	0.108	0.268518519	0.935185185	0.064814815
182545	22DMDD09	0.119	0.048	0.022	0.007	0.043	0.12	0.183333333	0.941666667	0.058333333
182546	22DMDD09	0.111	0.05	0.02	0.009	0.031	0.11	0.181818182	0.918181818	0.081818182
182547	22DMDD09	0.228	0.109	0.055	0.015	0.054	0.233	0.236051502	0.935622318	0.064377682
182548	22DMDD09	0.237	0.105	0.054	0.016	0.064	0.239	0.225941423	0.933054393	0.066945607
182549	22DMDD09	0.116	0.05	0.027	0.008	0.033	0.118	0.228813559	0.93220339	0.06779661
182550	22DMDD09	0.05	0.016	0.019	0.009	0.014	0.058	0.327586207	0.844827586	0.155172414
182551	22DMDD09	0.034	0.011	0.012	0.003	0.009	0.035	0.342857143	0.914285714	0.085714286
182552	22DMDD09	0.128	0.027	0.061	0.021	0.035	0.144	0.423611111	0.854166667	0.145833333
182553	22DMDD09	0.318	0.09	0.134	0.015	0.072	0.311	0.430868167	0.951768489	0.048231511
182554	22DMDD09	0.147	0.039	0.073	0.009	0.025	0.146	0.5	0.938356164	0.061643836
182557	22DMDD09	0.119	0.03	0.051	0.007	0.03	0.118	0.43220339	0.940677966	0.059322034
182558	22DMDD09	0.138	0.037	0.062	0.013	0.026	0.138	0.449275362	0.905797101	0.094202899
182560	22DMDD09	0.268	0.047	0.084	0.022	0.109	0.262	0.320610687	0.916030534	0.083969466
182562	22DMDD09	0.169	0.022	0.042	0.016	0.088	0.168	0.25	0.904761905	0.095238095
182563	22DMDD09	0.078	0.02	0.023	0.005	0.027	0.075	0.306666667	0.933333333	0.066666667
182564	22DMDD09	0.31	0.034	0.087	0.019	0.172	0.312	0.278846154	0.939102564	0.060897436
182566	22DMDD09	0.176	0.024	0.036	0.027	0.093	0.18	0.2	0.85	0.15
182567	22DMDD09	0.181	0.064	0.063	0.012	0.038	0.177	0.355932203	0.93220339	0.06779661
182568	22DMDD09	0.067	0.015	0.023	0.011	0.015	0.064	0.359375	0.828125	0.171875
182569	22DMDD09	0.044	0.014	0.014	0.008	0.007	0.043	0.325581395	0.813953488	0.186046512
182571	22DMDD09	0.043	0.016	0.012	0.008	0.007	0.043	0.279069767	0.813953488	0.186046512
182572	22DMDD09	0.047	0.017	0.015	0.005	0.009	0.046	0.326086957	0.891304348	0.108695652
182573	22DMDD09	0.084	0.019	0.042	0.003	0.017	0.081	0.518518519	0.962962963	0.037037037
182574	22DMDD09	0.129	0.028	0.052	0.002	0.042	0.124	0.419354839	0.983870968	0.016129032
182577	22DMDD09	0.826	0.238	0.434	0.005	0.12	0.797	0.544542033	0.993726474	0.006273526
182578	22DMDD09	24.4	12.35	6.45	0.109	0.838	19.75	0.326582278	0.994329114	0.005518987
182579	22DMDD09	19	9.8	4.61	0.233	0.719	15.35	0.300325733	0.985602606	0.015179153
182580	22DMDD09	16.45	8.44	3.77	0.101	0.636	12.95	0.291119691	0.991969112	0.007799228
182581	22DMDD09	9.04	4.94	2.03	0.036	0.236	7.24	0.28038674	0.995303867	0.004972376
182582	22DMDD09	7.69	4.96	1.22	0.03	0.139	6.35	0.192125984	0.99511811	0.004724409
182583	22DMDD09	6.1	4.8	0.057	0.014	0.022	4.89	0.011656442	0.997750511	0.002862986
182584	22DMDD09	6.38	4.89	0.031	0.011	0.025	4.96	0.00625	0.997177419	0.002217742
182585	22DMDD09	16.85	8.06	4.17	0.203	0.594	13.05	0.31954023	0.982681992	0.015555556
182587	22DMDD09	11.15	6.04	2.5	0.057	0.244	8.84	0.28280543	0.993665158	0.006447964
182588	22DMDD09	20.2	9.98	4.61	0.203	0.658	15.45	0.298381877	0.986925566	0.013139159
182589	22DMDD09	1.735	0.654	0.856	0.076	0.137	1.725	0.496231884	0.954782609	0.044057971
182591	22DMDD09	0.325	0.117	0.142	0.005	0.048	0.312	0.455128205	0.983974359	0.016025641
182832	22DMDD14	0.008	0.001	0.002	0.002	0.001	0.006	0.333333333	0.666666667	0.333333333
182833	22DMDD14	0.816	0.056	0.234	0.162	0.384	0.836	0.279904306	0.806220096	0.193779904
182834	22DMDD14	0.228	0.026	0.09	0.064	0.055	0.235	0.382978723	0.727659574	0.272340426
182835	22DMDD14	0.011	0.002	0.004	0.001	0.003	0.01	0.4	0.9	0.1
182837	22DMDD14	0.071	0.008	0.026	0.006	0.029	0.069	0.376811594	0.913043478	0.086956522
183087	22DMDD14	0.004	0.002	0.001	0.001	0.001	0.005	0.2	0.8	0.2
183091	22DMDD14	0.001	0.001		0.001		0.002			0.5
183092	22DMDD14	0.001			0.001		0.001			1
183093	22DMDD14	0.001			0.001		0.001			1

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
183094	22DMDD14	0.001			0.001		0.001			1
182838	22DMDD14	0.003		0.001	0.001		0.002	0.5		0.5
182839	22DMDD14	0.381	0.018	0.118	0.112	0.112	0.36	0.327777778	0.688888889	0.311111111
182840	22DMDD14	0.224	0.017	0.085	0.036	0.072	0.21	0.404761905	0.828571429	0.171428571
182841	22DMDD14	0.002	0.001	0.001	0.001	0.001	0.004	0.25	0.75	0.25
182842	22DMDD14	0.001		0.001			0.001	1		
182843	22DMDD14	0.024	0.004	0.009	0.004	0.004	0.021	0.428571429	0.80952381	0.19047619
182844	22DMDD14	0.192	0.012	0.066	0.06	0.053	0.191	0.345549738	0.685863874	0.314136126
182845	22DMDD14	0.177	0.012	0.073	0.047	0.055	0.187	0.390374332	0.748663102	0.251336898
182846	22DMDD14	0.005	0.001	0.002	0.001	0.001	0.005	0.4	0.8	0.2
182848	22DMDD14	0.145	0.012	0.043	0.062	0.038	0.155	0.277419355	0.6	0.4
182849	22DMDD14	0.011	0.002	0.004	0.002	0.002	0.01	0.4	0.8	0.2
182889	22DMDD15	0.551	0.106	0.017	0.297	0.084	0.504	0.033730159	0.410714286	0.589285714
182890	22DMDD15	0.53	0.279	0.009	0.154	0.07	0.512	0.017578125	0.69921875	0.30078125
182891	22DMDD15	0.276	0.116	0.005	0.078	0.068	0.267	0.018726592	0.707865169	0.292134831
182892	22DMDD15	0.197	0.038	0.006	0.102	0.033	0.179	0.033519553	0.430167598	0.569832402
182894	22DMDD15	0.193	0.026	0.006	0.126	0.031	0.189	0.031746032	0.333333333	0.666666667
182895	22DMDD15	0.426	0.175	0.008	0.171	0.057	0.411	0.01946472	0.583941606	0.416058394
182896	22DMDD15	0.281	0.145	0.005	0.063	0.053	0.266	0.018796992	0.763157895	0.236842105
182897	22DMDD15	0.723	0.539	0.008	0.044	0.165	0.756	0.010582011	0.941798942	0.058201058
182898	22DMDD15	0.651	0.41	0.008	0.044	0.159	0.621	0.012882448	0.929146538	0.070853462
182900	22DMDD15	0.549	0.359	0.006	0.043	0.143	0.551	0.010889292	0.921960073	0.078039927
182901	22DMDD15	0.734	0.5	0.008	0.075	0.151	0.734	0.010899183	0.897820163	0.102179837
182902	22DMDD15	0.283	0.154	0.005	0.032	0.081	0.272	0.018382353	0.882352941	0.117647059
182903	22DMDD15	0.335	0.171	0.006	0.056	0.102	0.335	0.017910448	0.832835821	0.167164179
182904	22DMDD15	0.317	0.182	0.005	0.034	0.09	0.311	0.01607717	0.890675241	0.109324759
182905	22DMDD15	0.315	0.17	0.005	0.053	0.091	0.319	0.015673981	0.833855799	0.166144201
182906	22DMDD15	0.287	0.13	0.005	0.068	0.078	0.281	0.017793594	0.758007117	0.241992883
182907	22DMDD15	0.226	0.08	0.005	0.074	0.063	0.222	0.022522523	0.666666667	0.333333333
182908	22DMDD15	0.162	0.054	0.005	0.041	0.056	0.156	0.032051282	0.737179487	0.262820513
182909	22DMDD15	0.487	0.258	0.006	0.089	0.128	0.481	0.012474012	0.814968815	0.185031185
182910	22DMDD15	0.245	0.133	0.004	0.033	0.072	0.242	0.016528926	0.863636364	0.136363636
182911	22DMDD15	0.691	0.327	0.024	0.19	0.144	0.685	0.035036496	0.722627737	0.277372263
182914	22DMDD15	0.619	0.213	0.033	0.139	0.213	0.598	0.055183946	0.767558528	0.232441472
182915	22DMDD15	0.151	0.05	0.005	0.03	0.065	0.15	0.033333333	0.8	0.2
182916	22DMDD15	0.239	0.09	0.007	0.077	0.058	0.232	0.030172414	0.668103448	0.331896552
182917	22DMDD15	0.625	0.376	0.009	0.095	0.149	0.629	0.014308426	0.848966614	0.151033386
182919	22DMDD15	0.316	0.084	0.012	0.15	0.063	0.309	0.038834951	0.514563107	0.485436893
182920	22DMDD15	0.386	0.089	0.021	0.151	0.125	0.386	0.054404145	0.60880829	0.39119171
182921	22DMDD15	0.178	0.068	0.004	0.031	0.067	0.17	0.023529412	0.817647059	0.182352941
182922	22DMDD15	0.357	0.225	0.004	0.033	0.088	0.35	0.011428571	0.905714286	0.094285714
182923	22DMDD15	0.254	0.135	0.003	0.04	0.071	0.249	0.012048193	0.83935743	0.16064257
182924	22DMDD15	0.647	0.395	0.016	0.05	0.168	0.629	0.025437202	0.920508744	0.079491256
182925	22DMDD15	0.708	0.432	0.017	0.047	0.21	0.706	0.02407932	0.933427762	0.066572238
182926	22DMDD15	0.38	0.199	0.033	0.026	0.119	0.377	0.087533156	0.931034483	0.068965517
182927	22DMDD15	0.278	0.152	0.026	0.031	0.058	0.267	0.097378277	0.883895131	0.116104869
182928	22DMDD15	0.297	0.154	0.018	0.034	0.084	0.29	0.062068966	0.882758621	0.117241379
182929	22DMDD15	0.35	0.177	0.02	0.037	0.112	0.346	0.057803468	0.893063584	0.106936416
182930	22DMDD15	0.2	0.105	0.016	0.016	0.062	0.199	0.08040201	0.91959799	0.08040201
182931	22DMDD15	0.04	0.027	0.002	0.002	0.007	0.038	0.052631579	0.947368421	0.052631579
182932	22DMDD15	0.161	0.092	0.024	0.016	0.028	0.16	0.15	0.9	0.1
182933	22DMDD15	0.003	0.002		0.001		0.003			0.333333333

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
182934	22DMDD15	0.091	0.043	0.013	0.009	0.026	0.091	0.142857143	0.901098901	0.098901099
182936	22DMDD15	0.077	0.042	0.008	0.006	0.018	0.074	0.108108108	0.918918919	0.081081081
182937	22DMDD15	0.024	0.008	0.009	0.002	0.004	0.023	0.391304348	0.913043478	0.086956522
182938	22DMDD15	0.232	0.118	0.032	0.02	0.067	0.237	0.135021097	0.915611814	0.084388186
182939	22DMDD15	0.087	0.044	0.013	0.005	0.024	0.086	0.151162791	0.941860465	0.058139535
182942	22DMDD15	0.038	0.018	0.004	0.002	0.007	0.031	0.129032258	0.935483871	0.064516129
182943	22DMDD15	0.004	0.001		0.001	0.001	0.003			0.333333333
182944	22DMDD15	0.168	0.068	0.016	0.018	0.065	0.167	0.095808383	0.892215569	0.107784431
182945	22DMDD15	0.28	0.063	0.046	0.052	0.111	0.272	0.169117647	0.808823529	0.191176471
182946	22DMDD15	0.128	0.051	0.039	0.011	0.036	0.137	0.284671533	0.919708029	0.080291971
182947	22DMDD15	0.146	0.046	0.025	0.019	0.058	0.148	0.168918919	0.871621622	0.128378378
182948	22DMDD15	0.195	0.044	0.076	0.01	0.064	0.194	0.391752577	0.948453608	0.051546392
182949	22DMDD15	0.147	0.028	0.052	0.017	0.051	0.148	0.351351351	0.885135135	0.114864865
183095	22DMDD15	0.114	0.03	0.051	0.007	0.028	0.116	0.439655172	0.939655172	0.060344828
183098	22DMDD15	0.067	0.014	0.03	0.004	0.016	0.064	0.46875	0.9375	0.0625
183100	22DMDD15	0.003	0.001		0.001		0.002			0.5
181855	22DMDD15	0.096	0.023	0.028	0.013	0.029	0.093	0.301075269	0.860215054	0.139784946
181856	22DMDD15	0.009	0.002	0.003	0.002	0.002	0.009	0.333333333	0.777777778	0.222222222
181857	22DMDD15	0.002			0.001		0.001			1
181859	22DMDD15	0.002			0.001		0.001			1
181860	22DMDD15	0.003	0.001	0.001	0.001		0.003	0.333333333		0.333333333
181862	22DMDD15	0.002			0.001		0.001			1
181863	22DMDD15	0.001			0.001		0.001			1
181864	22DMDD15	0.003		0.001	0.001		0.002	0.5		0.5
181865	22DMDD15	0.002	0.001	0.002	0.001		0.004	0.5		0.25
181866	22DMDD15	0.002		0.001	0.001		0.002	0.5		0.5
182950	22DMDD15	0.003	0.001	0.001	0.001		0.003	0.333333333		0.333333333
182951	22DMDD15	0.375	0.027	0.089	0.196	0.032	0.344	0.25872093	0.430232558	0.569767442
182952	22DMDD15	0.057	0.011	0.027	0.062	0.011	0.111	0.243243243	0.441441441	0.558558559
182954	22DMDD15	0.001			0.001		0.001			1
181867	22DMDD15	0.001		0.001	0.001		0.002	0.5		0.5
181868	22DMDD15	0.001		0.001	0.001		0.002	0.5		0.5
181870	22DMDD15	0.002	0.001	0.001	0.001		0.003	0.333333333		0.333333333
181871	22DMDD15	0.003	0.001	0.002	0.001		0.004	0.5		0.25
181872	22DMDD15	0.004	0.001	0.002	0.001		0.004	0.5		0.25
182955	22DMDD15	0.449	0.067	0.16	0.148	0.066	0.441	0.362811791	0.664399093	0.335600907
182956	22DMDD15	0.231	0.025	0.053	0.046	0.116	0.24	0.220833333	0.808333333	0.191666667
182957	22DMDD15	0.184	0.019	0.054	0.053	0.059	0.185	0.291891892	0.713513514	0.286486486
182958	22DMDD15	0.351	0.017	0.059	0.112	0.161	0.349	0.169054441	0.679083095	0.320916905
182959	22DMDD15	0.002		0.001	0.001		0.002	0.5		0.5
182997	22DMDD17	0.259	0.093	0.006	0.071	0.081	0.251	0.023904382	0.717131474	0.282868526
182998	22DMDD17	0.759	0.549	0.008	0.094	0.095	0.746	0.010723861	0.873994638	0.126005362
182999	22DMDD17	1.06	0.829	0.01	0.081	0.153	1.075	0.009302326	0.922790698	0.075348837
183000	22DMDD17	1.045	0.747	0.014	0.152	0.131	1.045	0.013397129	0.853588517	0.145454545
183001	22DMDD17	1.12	0.857	0.012	0.086	0.178	1.135	0.010572687	0.92246696	0.075770925
183002	22DMDD17	1.28	1.055	0.008	0.077	0.139	1.28	0.00625	0.9390625	0.06015625
183004	22DMDD17	1.19	0.969	0.01	0.089	0.128	1.195	0.008368201	0.926359833	0.074476987
183005	22DMDD17	1.455	1.215	0.01	0.091	0.158	1.475	0.006779661	0.937627119	0.061694915
183006	22DMDD17	1.385	1.19	0.012	0.064	0.151	1.415	0.008480565	0.956183746	0.045229682
183007	22DMDD17	1.39	1.205	0.009	0.064	0.157	1.435	0.006271777	0.955400697	0.044599303
183008	22DMDD17	1.535	1.18	0.016	0.115	0.182	1.495	0.010702341	0.92173913	0.076923077
183010	22DMDD17	2.37	2.06	0.016	0.088	0.207	2.37	0.006751055	0.963291139	0.037130802

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
183011	22DMDD17	1.94	1.65	0.02	0.074	0.172	1.915	0.010443864	0.961879896	0.038642298
183012	22DMDD17	1.49	1.21	0.014	0.066	0.201	1.49	0.009395973	0.956375839	0.044295302
183013	22DMDD17	2.52	2	0.025	0.182	0.203	2.41	0.010373444	0.924481328	0.075518672
183014	22DMDD17	1.095	0.878	0.008	0.074	0.145	1.105	0.007239819	0.933031674	0.066968326
183015	22DMDD17	1.365	1.085	0.017	0.117	0.168	1.385	0.012274368	0.916967509	0.084476534
183016	22DMDD17	4.13	3.54	0.025	0.284	0.212	4.06	0.006157635	0.930295567	0.069950739
183017	22DMDD17	4.69	3.95	0.024	0.16	0.261	4.4	0.005454545	0.9625	0.036363636
183018	22DMDD17	4.35	4	0.041	0.194	0.452	4.69	0.008742004	0.957995736	0.041364606
183019	22DMDD17	3.02	2.69	0.013	0.126	0.174	3	0.004333333	0.959	0.042
183020	22DMDD17	1.585	1.365	0.008	0.066	0.119	1.56	0.005128205	0.956410256	0.042307692
183021	22DMDD17	0.392	0.259	0.005	0.03	0.082	0.376	0.013297872	0.920212766	0.079787234
183024	22DMDD17	0.774	0.599	0.005	0.03	0.118	0.752	0.006648936	0.960106383	0.039893617
183025	22DMDD17	0.49	0.321	0.006	0.051	0.085	0.463	0.012958963	0.889848812	0.110151188
183026	22DMDD17	0.449	0.315	0.005	0.031	0.074	0.425	0.011764706	0.927058824	0.072941176
183027	22DMDD17	0.377	0.234	0.006	0.048	0.069	0.357	0.016806723	0.865546218	0.134453782
183029	22DMDD17	0.36	0.175	0.008	0.088	0.061	0.332	0.024096386	0.734939759	0.265060241
183030	22DMDD17	0.338	0.154	0.007	0.09	0.061	0.312	0.022435897	0.711538462	0.288461538
183031	22DMDD17	0.239	0.048	0.007	0.121	0.042	0.218	0.032110092	0.444954128	0.555045872
183032	22DMDD17	0.25	0.035	0.006	0.148	0.045	0.234	0.025641026	0.367521368	0.632478632
183033	22DMDD17	0.24	0.035	0.007	0.134	0.046	0.222	0.031531532	0.396396396	0.603603604
183034	22DMDD17	0.192	0.026	0.005	0.111	0.034	0.176	0.028409091	0.369318182	0.630681818
183035	22DMDD17	0.197	0.016	0.006	0.112	0.046	0.18	0.033333333	0.377777778	0.622222222
183036	22DMDD17	0.807	0.553	0.012	0.086	0.128	0.779	0.015404365	0.889602054	0.110397946
183037	22DMDD17	0.207	0.098	0.003	0.03	0.062	0.193	0.015544041	0.844559585	0.155440415
183038	22DMDD17	0.335	0.18	0.004	0.037	0.103	0.324	0.012345679	0.885802469	0.114197531
183039	22DMDD17	0.112	0.04	0.005	0.025	0.039	0.109	0.04587156	0.770642202	0.229357798
183040	22DMDD17	0.039	0.008	0.015	0.005	0.006	0.034	0.441176471	0.852941176	0.147058824
183041	22DMDD17	0.068	0.012	0.014	0.023	0.015	0.064	0.21875	0.640625	0.359375
183042	22DMDD17	0.055	0.008	0.014	0.019	0.01	0.051	0.274509804	0.62745098	0.37254902
183043	22DMDD17	0.025	0.004	0.009	0.007	0.004	0.024	0.375	0.708333333	0.291666667
183044	22DMDD17	0.083	0.012	0.024	0.023	0.013	0.072	0.333333333	0.680555556	0.319444444
183046	22DMDD17	0.006	0.002	0.001	0.001	0.001	0.005	0.2	0.8	0.2
183047	22DMDD17	0.002	0.001		0.001		0.002			0.5
183048	22DMDD17	0.002	0.001		0.001		0.002			0.5
176996	23DMDD21	0.368	0.121	0.01	0.097	0.126	0.354	0.028248588	0.725988701	0.274011299
176997	23DMDD21	0.169	0.022	0.007	0.095	0.036	0.16	0.04375	0.40625	0.59375
176998	23DMDD21	0.08	0.009	0.004	0.048	0.015	0.076	0.052631579	0.368421053	0.631578947
176999	23DMDD21	0.083	0.028	0.003	0.019	0.027	0.077	0.038961039	0.753246753	0.246753247
177000	23DMDD21	0.044	0.008	0.002	0.021	0.01	0.041	0.048780488	0.487804878	0.512195122
177001	23DMDD21	0.052	0.007	0.004	0.025	0.015	0.051	0.078431373	0.509803922	0.490196078
177002	23DMDD21	0.059	0.011	0.005	0.029	0.013	0.058	0.086206897	0.5	0.5
177003	23DMDD21	0.087	0.009	0.006	0.046	0.021	0.082	0.073170732	0.43902439	0.56097561
177004	23DMDD21	0.08	0.006	0.003	0.055	0.011	0.075	0.04	0.266666667	0.733333333
177005	23DMDD21	0.074	0.004	0.003	0.049	0.01	0.066	0.045454545	0.257575758	0.742424242
177006	23DMDD21	0.082	0.004	0.002	0.066	0.006	0.078	0.025641026	0.153846154	0.846153846
177007	23DMDD21	0.031	0.002	0.001	0.022	0.004	0.029	0.034482759	0.24137931	0.75862069
177008	23DMDD21	0.091	0.044	0.004	0.022	0.019	0.089	0.04494382	0.752808989	0.247191011
177009	23DMDD21	0.016	0.002	0.006	0.007	0.002	0.017	0.352941176	0.588235294	0.411764706
177010	23DMDD21	0.009	0.001	0.001	0.007	0.001	0.01	0.1	0.3	0.7
177011	23DMDD21	0.011		0.001	0.008	0.001	0.01	0.1		0.8
177012	23DMDD21	0.015	0.001	0.002	0.012	0.001	0.016	0.125	0.25	0.75
177013	23DMDD21	0.011	0.001	0.001	0.008	0.001	0.011	0.090909091	0.272727273	0.727272727

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
177015	23DMDD21	0.014	0.001	0.003	0.009	0.001	0.014	0.214285714	0.357142857	0.642857143
177016	23DMDD21	0.015	0.001	0.005	0.009	0.001	0.016	0.3125	0.4375	0.5625
177017	23DMDD21	0.028	0.001	0.006	0.021	0.001	0.029	0.206896552	0.275862069	0.724137931
177018	23DMDD21	0.037		0.009	0.026	0.001	0.036	0.25		0.722222222
177019	23DMDD21	0.041	0.001	0.009	0.031	0.001	0.042	0.214285714	0.261904762	0.738095238
177020	23DMDD21	0.047		0.016	0.027	0.001	0.044	0.363636364		0.613636364
177021	23DMDD21	0.05		0.025	0.021	0.001	0.047	0.531914894		0.446808511
177023	23DMDD21	0.065		0.031	0.027	0.001	0.059	0.525423729		0.457627119
177024	23DMDD21	0.063		0.028	0.03	0.001	0.059	0.474576271		0.508474576
177025	23DMDD21	0.064		0.034	0.023	0.001	0.058	0.586206897		0.396551724
177026	23DMDD21	0.052		0.03	0.017	0.001	0.048	0.625		0.354166667
177027	23DMDD21	0.066		0.031	0.028	0.001	0.06	0.516666667		0.466666667
177028	23DMDD21	0.07		0.035	0.031	0.001	0.067	0.52238806		0.462686567
177029	23DMDD21	0.048	0.001	0.021	0.023	0.001	0.046	0.456521739	0.5	0.5
177030	23DMDD21	0.035		0.014	0.019	0.001	0.034	0.411764706		0.558823529
177031	23DMDD21	0.128	0.01	0.072	0.02	0.019	0.121	0.595041322	0.834710744	0.165289256
177032	23DMDD21	0.051	0.003	0.021	0.019	0.003	0.046	0.456521739	0.586956522	0.413043478
177033	23DMDD21	0.03	0.001	0.011	0.014	0.001	0.027	0.407407407	0.481481481	0.518518519
177034	23DMDD21	0.023	0.001	0.007	0.013	0.001	0.022	0.318181818	0.409090909	0.590909091
177035	23DMDD21	0.094	0.006	0.064	0.012	0.009	0.091	0.703296703	0.868131868	0.131868132
177036	23DMDD21	0.07	0.006	0.042	0.016	0.004	0.068	0.617647059	0.764705882	0.235294118
177037	23DMDD21	0.306	0.048	0.204	0.017	0.027	0.296	0.689189189	0.942567568	0.057432432
177038	23DMDD21	1.195	0.099	0.893	0.019	0.102	1.115	0.800896861	0.981165919	0.017040359
177039	23DMDD21	0.795	0.08	0.582	0.02	0.1	0.782	0.744245524	0.974424552	0.025575448
177040	23DMDD21	1.61	0.2	1.155	0.019	0.177	1.55	0.74516129	0.988387097	0.012258065
177042	23DMDD21	1.49	0.181	1.03	0.015	0.187	1.415	0.727915194	0.987985866	0.010600707
177043	23DMDD21	1.815	0.191	1.17	0.011	0.302	1.675	0.698507463	0.992835821	0.006567164
177044	23DMDD21	1.26	0.118	0.801	0.012	0.269	1.2	0.6675	0.99	0.01
177045	23DMDD21	0.841	0.091	0.522	0.009	0.167	0.789	0.661596958	0.988593156	0.011406844
177046	23DMDD21	0.811	0.107	0.492	0.01	0.138	0.747	0.658634538	0.986613119	0.013386881
177047	23DMDD21	0.642	0.117	0.361	0.012	0.125	0.615	0.58699187	0.980487805	0.019512195
177048	23DMDD21	0.591	0.07	0.38	0.006	0.123	0.579	0.656303972	0.989637306	0.010362694
177049	23DMDD21	0.216	0.024	0.128	0.006	0.048	0.206	0.621359223	0.970873786	0.029126214
177053	23DMDD21	0.625	0.067	0.377	0.005	0.158	0.607	0.621087315	0.991762768	0.008237232
177054	23DMDD21	1.35	0.201	0.894	0.018	0.237	1.35	0.662222222	0.986666667	0.013333333
177055	23DMDD21	1.265	0.228	0.645	0.015	0.289	1.175	0.54893617	0.98893617	0.012765957
177056	23DMDD21	1.54	0.246	0.908	0.01	0.365	1.53	0.593464052	0.992810458	0.006535948
177057	23DMDD21	0.959	0.157	0.587	0.01	0.177	0.931	0.630504834	0.989258861	0.010741139
177058	23DMDD21	0.772	0.125	0.478	0.013	0.142	0.758	0.63060686	0.982849604	0.017150396
177059	23DMDD21	0.101	0.015	0.062	0.008	0.011	0.096	0.645833333	0.916666667	0.083333333
177060	23DMDD21	0.47	0.04	0.36	0.015	0.029	0.444	0.810810811	0.966216216	0.033783784
177061	23DMDD21	0.026	0.002	0.011	0.01	0.001	0.024	0.458333333	0.583333333	0.416666667
177062	23DMDD21	0.035	0.003	0.016	0.012	0.003	0.034	0.470588235	0.647058824	0.352941176
177063	23DMDD21	0.049	0.005	0.024	0.015	0.003	0.047	0.510638298	0.680851064	0.319148936
177065	23DMDD21	0.05	0.005	0.025	0.013	0.003	0.046	0.543478261	0.717391304	0.282608696
177066	23DMDD21	0.167	0.012	0.09	0.044	0.016	0.162	0.555555556	0.728395062	0.271604938
177067	23DMDD21	0.287	0.013	0.182	0.05	0.031	0.276	0.65942029	0.81884058	0.18115942
177068	23DMDD21	0.128	0.007	0.061	0.042	0.013	0.123	0.495934959	0.658536585	0.341463415
177069	23DMDD21	0.566	0.038	0.367	0.055	0.059	0.519	0.707129094	0.894026975	0.105973025
177070	23DMDD21	0.893	0.036	0.631	0.032	0.121	0.82	0.769512195	0.96097561	0.03902439
177071	23DMDD21	1.335	0.061	1.065	0.028	0.205	1.36	0.783088235	0.978676471	0.020588235
177072	23DMDD21	1.66	0.257	0.995	0.012	0.349	1.615	0.616099071	0.991331269	0.007430341

Sample Number	Hole ID	Cu pct	CuC	CuCN	CuR	CuS	CuT	CyanideSolCu	HeapLeachable	Sulphide
		%	%	%	%	%	%	Ratio	Ratio	Ratio
177073	23DMDD21	1.93	0.42	1.13	0.01	0.331	1.89	0.597883598	0.995238095	0.005291005
177074	23DMDD21	0.919	0.084	0.574	0.019	0.205	0.882	0.650793651	0.97845805	0.02154195
177076	23DMDD21	0.754	0.019	0.285	0.165	0.243	0.712	0.400280899	0.768258427	0.231741573
177077	23DMDD21	1.41	0.016	0.267	0.335	0.809	1.425	0.187368421	0.766315789	0.235087719
177078	23DMDD21	1.265	0.177	0.201	0.11	0.785	1.275	0.157647059	0.912156863	0.08627451
177079	23DMDD21	2.62	1.755	0.14	0.161	0.539	2.6	0.053846154	0.936153846	0.061923077
177080	23DMDD21	4.67	2.62	0.385	0.271	1.29	4.57	0.084245077	0.939824945	0.059299781
177081	23DMDD21	3.16	1.355	0.09	0.082	1.61	3.14	0.02866242	0.972929936	0.02611465
177084	23DMDD21	2.21	1.385	0.034	0.037	0.858	2.31	0.014718615	0.985714286	0.016017316
177085	23DMDD21	2.48	0.874	0.055	0.049	1.495	2.47	0.022267206	0.981376518	0.019838057
177086	23DMDD21	3.66	0.853	0.26	0.301	2.2	3.61	0.072022161	0.917728532	0.083379501
177087	23DMDD21	2.84	0.79	0.292	0.438	1.195	2.72	0.107352941	0.837132353	0.161029412
177088	23DMDD21	7.11	1.48	1.075	1.1	3.14	6.8	0.158088235	0.8375	0.161764706
177089	23DMDD21	3.46	0.278	0.653	0.62	1.85	3.4	0.192058824	0.817941176	0.182352941
177090	23DMDD21	3.52	0.157	0.661	0.547	2.15	3.52	0.187784091	0.843181818	0.155397727
177092	23DMDD21	0.994	0.044	0.144	0.091	0.664	0.943	0.152704136	0.90349947	0.09650053
177093	23DMDD21	1.125	0.086	0.346	0.131	0.553	1.115	0.310313901	0.883408072	0.117488789
177094	23DMDD21	0.873	0.095	0.586	0.012	0.155	0.848	0.691037736	0.985849057	0.014150943
177095	23DMDD21	0.642	0.073	0.418	0.012	0.121	0.624	0.669871795	0.980769231	0.019230769
177096	23DMDD21	0.997	0.092	0.729	0.005	0.137	0.963	0.757009346	0.994807892	0.005192108
177097	23DMDD21	0.198	0.033	0.118	0.008	0.036	0.195	0.605128205	0.958974359	0.041025641
177098	23DMDD21	0.288	0.04	0.187	0.01	0.049	0.286	0.653846154	0.965034965	0.034965035
177099	23DMDD21	1.305	0.14	0.965	0.016	0.184	1.305	0.739463602	0.987739464	0.012260536
177100	23DMDD21	0.87	0.228	0.384	0.039	0.226	0.877	0.437856328	0.955530217	0.044469783
177101	23DMDD21	3.9	0.676	2.32	0.089	0.932	4.02	0.577114428	0.977114428	0.022139303
177102	23DMDD21	1.65	0.192	0.956	0.023	0.536	1.705	0.560703812	0.987683284	0.013489736
177103	23DMDD21	1.615	0.175	1.085	0.005	0.264	1.53	0.709150327	0.996078431	0.003267974
177104	23DMDD21	0.587	0.072	0.08	0.022	0.406	0.58	0.137931034	0.962068966	0.037931034
177105	23DMDD21	0.369	0.047	0.051	0.025	0.246	0.369	0.138211382	0.932249322	0.067750678
177106	23DMDD21	0.063	0.018	0.024	0.003	0.018	0.063	0.380952381	0.952380952	0.047619048
177108	23DMDD21	0.003	0.001	0.002	0.002		0.005	0.4		0.4
177109	23DMDD21	0.002	0.001	0.002	0.001		0.004	0.5		0.25
177110	23DMDD21	0.003	0.001	0.003	0.002		0.006	0.5		0.333333333
177111	23DMDD21	0.001		0.002	0.001		0.003	0.666666667		0.333333333
177112	23DMDD21	0.008	0.003	0.005	0.001	0.001	0.01	0.5	0.9	0.1
177113	23DMDD21	0.001		0.002	0.002		0.004	0.5		0.5
177114	23DMDD21	0.002	0.001	0.002	0.002		0.005	0.4		0.4

APPENDIX D -

Raw Sample Data Statistics

Domain		Sample No.	Length (m)	Mean	Standard deviation	Coefficient of variation	Variance	Minimum	Lower quartile	Median	Upper quartile	Maximum
Eastern Waste Zone		395	124.4									
	Ag_Final_ppm	395	124.4	0.26	0.06	0.22	0.00	0.25	0.25	0.25	0.25	0.6
	Al_ppm	395	124.4	74455.14	13567.13	0.18	184067119.81	37500	62700	72200	85600	102000
	As_ppm	395	124.4	10.05	4.30	0.43	18.47	2.5	7	10	13	27
	Au_Final_ppm	395	124.4	0.01	0.03	2.85	0.00	0.005	0.005	0.005	0.005	0.31
	Ba_ppm	395	124.4	484.32	194.75	0.40	37927.84	20	380	500	660	840
	Be_ppm	395	124.4	2.32	0.76	0.33	0.58	0.25	1.9	2.4	3	3.6
	Bi_ppm	395	124.4	1.58	0.88	0.56	0.78	1	1	1	2	5
	Ca_ppm	395	124.4	10526.25	13939.62	1.32	194313124.64	400	1200	3000	14400	52000
	Cd_ppm	395	124.4	13.15	41.01	3.12	1681.80	0.25	0.25	0.25	4.4	353
	Co_pct	395	124.4	0.00	0.00	0.61	0.00	0.0004	0.0011	0.0016	0.0025	0.0065
	Cr_ppm	395	124.4	72.96	94.27	1.29	8886.76	3	34	44	50	456
	Cu_pct	395	124.4	0.01	0.01	1.73	0.00	0.0004	0.002	0.0031	0.0047	0.0791
	Fe_pct	395	124.4	3.99	1.00	0.25	1.01	2.14	3.32	3.91	4.59	7.4
	Ga_ppm	395	124.4	17.88	5.81	0.33	33.78	10	10	20	20	30
	K_ppm	395	124.4	24594.94	10888.54	0.44	118560296.07	600	18000	24600	32700	43500
	La_ppm	395	124.4	34.47	10.62	0.31	112.86	10	30	40	40	60
	Mg_ppm	395	124.4	12535.49	14687.81	1.17	215731705.48	3500	6400	7700	9300	66100
	Mn_ppm	395	124.4	479.31	172.23	0.36	29662.38	211	366	422	513	1080
	Mo_ppm	395	124.4	0.88	0.25	0.29	0.06	0.5	0.5	1	1	2
	Na_ppm	395	124.4	8675.48	7168.73	0.83	51390680.45	700	3700	7600	11600	40900
	Ni_ppm	395	124.4	46.29	72.38	1.56	5238.72	0.5	17	23	30	353
	P_ppm	395	124.4	409.36	98.11	0.24	9625.68	150	360	400	450	1060
	Pb_pct	395	124.4	0.00	0.00	0.39	0.00	0.0004	0.0025	0.0031	0.0039	0.0098
	S_Final_pc	395	124.4	0.08	0.11	1.41	0.01	0.005	0.01	0.03	0.09	0.48
	Sb_ppm	395	124.4	3.70	1.90	0.51	3.61	2.5	2.5	2.5	5	12
	Sc_ppm	395	124.4	11.96	3.60	0.30	12.93	5	9	12	14	21
	Sr_ppm	395	124.4	116.87	85.19	0.73	7257.96	29	54	88	145	441
	Th_ppm	395	124.4	17.45	5.06	0.29	25.58	10	10	20	20	30
	Ti_ppm	395	124.4	2804.78	522.93	0.19	273453.72	1700	2500	2700	2900	4600
	Tl_ppm	395	124.4	5.28	1.16	0.22	1.33	5	5	5	5	10
	U_ppm	395	124.4	6.49	3.36	0.52	11.32	5	5	5	5	20
	V_ppm	395	124.4	70.73	22.26	0.31	495.45	33	53	68	82	132
	W_ppm	395	124.4	5.39	1.34	0.25	1.81	5	5	5	5	10
	Zn_pct	395	124.4	0.12	0.17	1.41	0.03	0.0038	0.0093	0.032	0.192	0.858
	Ag_Final_ppm	259	81.05	1.09	4.14	3.80	17.15	0.25	0.25	0.25	0.5	28.2
	Al_ppm	259	81.05	74071.81	19617.35	0.26	384840489.53	34800	56600	70800	89200	122000

	As_ppm	259	81.05	11.24	11.66	1.04	136.00	2.5	2.5	7	14	59
	Au_Final_ppm	259	81.05	0.01	0.00	0.69	0.00	0.005	0.005	0.005	0.005	0.03
	Ba_ppm	259	81.05	474.90	217.77	0.46	47424.00	60	410	480	580	1030
	Be_ppm	259	81.05	2.28	0.72	0.32	0.52	1	1.9	2.1	2.7	4.4
	Bi_ppm	259	81.05	1.30	0.78	0.60	0.61	1	1	1	1	5
	Ca_ppm	259	81.05	491.36	462.75	0.94	214134.62	100	200	400	600	2800
	Cd_ppm	259	81.05	0.41	0.47	1.17	0.22	0.25	0.25	0.25	0.25	5.5
	Co_pct	259	81.05	0.00	0.00	0.55	0.00	0.0001	0.0006	0.0008	0.0012	0.0029
	Cr_ppm	259	81.05	36.52	8.59	0.24	73.87	24	30	34	41	62
	Cu_pct	259	81.05	1.57	1.74	1.11	3.03	0.066	0.584	1.06	1.94	11.85
	Fe_pct	259	81.05	3.63	1.47	0.40	2.16	1.29	2.94	3.27	4.33	8.83
	Ga_ppm	259	81.05	16.32	5.78	0.35	33.40	10	10	20	20	30
	K_ppm	259	81.05	21887.23	11855.02	0.54	140541383.62	500	18200	21100	27300	53500
	La_ppm	259	81.05	40.80	16.23	0.40	263.49	10	30	40	50	140
	Mg_ppm	259	81.05	5700.68	2394.22	0.42	5732301.29	1200	4200	5500	6600	12600
	Mn_ppm	259	81.05	242.74	109.30	0.45	11946.67	43	145	265	312	481
	Mo_ppm	259	81.05	0.86	0.39	0.45	0.15	0.5	0.5	1	1	3
	Na_ppm	259	81.05	13439.61	17523.35	1.30	307067620.97	400	1900	7400	11600	65900
	Ni_ppm	259	81.05	14.35	7.30	0.51	53.36	2	9	13	16	32
	P_ppm	259	81.05	351.96	201.52	0.57	40610.50	110	230	290	410	1250
	Pb_pct	259	81.05	0.00	0.00	0.39	0.00	0.0004	0.0025	0.0028	0.0036	0.0064
	S_Final_pc	259	81.05	0.38	1.21	3.18	1.48	0.005	0.01	0.02	0.07	7.46
	Sb_ppm	259	81.05	2.61	0.51	0.20	0.26	2.5	2.5	2.5	2.5	5
	Sc_ppm	259	81.05	10.02	2.89	0.29	8.35	6	8	9	12	17
	Sr_ppm	259	81.05	120.82	80.50	0.67	6480.57	25	71	99	137	412
	Th_ppm	259	81.05	19.97	6.58	0.33	43.35	10	20	20	20	40
	Ti_ppm	259	81.05	3033.56	999.31	0.33	998618.24	1000	2600	2900	3300	6500
	Tl_ppm	259	81.05	6.45	2.28	0.35	5.19	5	5	5	10	10
	U_ppm	259	81.05	5.84	1.87	0.32	3.51	5	5	5	5	10
	V_ppm	259	81.05	64.39	27.12	0.42	735.67	37	46	55	71	175
	W_ppm	259	81.05	5.37	1.31	0.24	1.73	5	5	5	5	10
	Zn_pct	259	81.05	0.04	0.03	0.63	0.00	0.0059	0.0237	0.0358	0.0498	0.144
	Ag_Final_ppm	41	12	0.25	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.25
	Al_ppm	41	12	71229.17	11111.86	0.16	123473375.05	52800	62700	71100	78900	92000
	As_ppm	41	12	7.42	2.89	0.39	8.35	2.5	5	8	10	11
	Au_Final_ppm	41	12	0.01	0.00	0.35	0.00	0.005	0.005	0.005	0.005	0.01
	Ba_ppm	41	12	455.00	213.59	0.47	45621.84	80	290	480	560	810
	Be_ppm	41	12	2.15	0.70	0.33	0.50	0.8	1.6	2.4	2.5	3.2
	Bi_ppm	41	12	1.08	0.28	0.26	0.08	1	1	1	1	2

	Ca_ppm	41	12	2108.33	797.52	0.38	636042.84	500	1600	2400	2700	3000
	Cd_ppm	41	12	4.56	3.69	0.81	13.61	0.7	1	4.6	6.7	11.9
	Co_pct	41	12	0.00	0.00	0.54	0.00	0.001	0.0016	0.0024	0.0034	0.0056
	Cr_ppm	41	12	40.75	9.49	0.23	90.15	27	34	40	47	60
	Cu_pct	41	12	0.06	0.09	1.58	0.01	0.001	0.002	0.01	0.03	0.25
	Fe_pct	41	12	4.54	1.14	0.25	1.31	3.35	3.61	4.17	4.8	7.25
	Ga_ppm	41	12	17.08	4.66	0.27	21.69	10	10	20	20	20
	K_ppm	41	12	20237.50	11159.88	0.55	124542901.17	800	8800	23300	27200	33400
	La_ppm	41	12	42.50	6.10	0.14	37.19	30	40	40	50	50
	Mg_ppm	41	12	7954.17	2385.38	0.30	5690024.09	5500	6300	7100	7800	13600
	Mn_ppm	41	12	567.92	196.31	0.35	38536.45	279	415	548	752	873
	Mo_ppm	41	12	0.71	0.25	0.36	0.06	0.5	0.5	0.5	1	1
	Na_ppm	41	12	17025.00	16546.15	0.97	273774990.46	1300	6300	10700	13600	61700
	Ni_ppm	41	12	24.96	8.05	0.32	64.88	14	19	22	29	43
	P_ppm	41	12	456.67	134.34	0.29	18048.07	330	360	440	460	800
	Pb_pct	41	12	0.00	0.00	0.23	0.00	0.0023	0.0028	0.0032	0.0035	0.0053
	S_Final_pc	41	12	0.03	0.02	0.81	0.00	0.005	0.01	0.02	0.04	0.08
	Sb_ppm	41	12	2.79	0.99	0.36	0.98	2.5	2.5	2.5	2.5	6
	Sc_ppm	41	12	10.71	2.36	0.22	5.55	7	9	10	12	15
	Sr_ppm	41	12	113.75	48.40	0.43	2342.54	52	72	95	144	229
	Th_ppm	41	12	19.58	4.66	0.24	21.69	10	20	20	20	30
	Ti_ppm	41	12	3050.00	395.76	0.13	156622.72	2100	2700	3000	3400	3500
	Tl_ppm	41	12	6.25	2.22	0.35	4.92	5	5	5	5	10
	U_ppm	41	12	5.42	1.42	0.26	2.01	5	5	5	5	10
	V_ppm	41	12	63.83	16.67	0.26	277.78	44	53	59	69	102
	W_ppm	41	12	5.00	0.00	0.00	0.00	5	5	5	5	5
	Zn_pct	41	12	0.17	0.11	0.66	0.01	0.0628	0.0798	0.122	0.169	0.392
	Ag_Final_ppm	364	128.17	0.54	0.58	1.09	0.34	0.25	0.25	0.25	0.6	4.3
	Al_ppm	364	128.17	61296.89	11534.98	0.19	133055789.53	48000	54800	57900	62900	113000
	As_ppm	364	128.17	6.61	7.07	1.07	49.95	2.5	2.5	5	8	56
	Au_Final_ppm	364	128.17	0.01	0.00	0.54	0.00	0.005	0.005	0.005	0.01	0.03
	Ba_ppm	364	128.17	484.48	101.93	0.21	10388.97	60	440	470	500	940
	Be_ppm	364	128.17	2.15	0.46	0.21	0.21	0.8	1.9	2	2.2	3.9
	Bi_ppm	364	128.17	1.24	0.87	0.70	0.76	1	1	1	1	8
	Ca_ppm	364	128.17	592.60	575.47	0.97	331161.36	200	400	500	600	5100
	Cd_ppm	364	128.17	1.63	2.84	1.74	8.06	0.25	0.5	0.7	1.2	15.4
	Co_pct	364	128.17	0.00	0.00	0.64	0.00	-0.0001	0.0007	0.0008	0.0011	0.004
	Cr_ppm	364	128.17	35.67	32.67	0.92	1067.35	23	28	30	35	397
	Cu_pct	364	128.17	0.54	0.39	0.72	0.15	0.201	0.297	0.418	0.651	3.26

	Fe_pct	364	128.17	3.35	1.15	0.34	1.33	0.38	2.82	3.08	3.72	10
	Ga_ppm	364	128.17	12.96	5.03	0.39	25.27	10	10	10	20	30
	K_ppm	364	128.17	21846.48	5533.51	0.25	30619763.35	3900	19200	20900	23300	47500
	La_ppm	364	128.17	36.23	6.91	0.19	47.69	10	30	40	40	80
	Mg_ppm	364	128.17	5910.77	2043.59	0.35	4176245.45	300	5200	5700	6300	26100
	Mn_ppm	364	128.17	307.82	84.95	0.28	7216.62	9	275	304	345	697
	Mo_ppm	364	128.17	0.92	1.21	1.31	1.46	0.5	0.5	1	1	16
	Na_ppm	364	128.17	7892.49	5711.23	0.72	32618187.30	500	4000	7500	10000	48600
	Ni_ppm	364	128.17	14.52	7.85	0.54	61.64	5	11	13	16	91
	P_ppm	364	128.17	310.94	293.73	0.94	86275.77	90	190	260	360	3620
	Pb_pct	364	128.17	0.00	0.00	0.57	0.00	0.0011	0.0025	0.0026	0.0028	0.0222
	S_Final_pc	364	128.17	0.08	0.50	6.13	0.25	0.005	0.005	0.01	0.02	5.19
	Sb_ppm	364	128.17	2.60	0.70	0.27	0.49	2.5	2.5	2.5	2.5	10
	Sc_ppm	364	128.17	8.59	1.98	0.23	3.92	6	7	8	9	17
	Sr_ppm	364	128.17	89.74	48.13	0.54	2316.45	29	66	79	97	397
	Th_ppm	364	128.17	17.39	5.10	0.29	26.04	10	10	20	20	40
	Ti_ppm	364	128.17	2839.74	440.49	0.16	194033.38	2200	2600	2800	3000	5400
	Tl_ppm	364	128.17	5.77	1.81	0.31	3.28	5	5	5	5	10
	U_ppm	364	128.17	5.54	1.56	0.28	2.43	5	5	5	5	10
	V_ppm	364	128.17	50.41	15.82	0.31	250.32	37	43	46	51	148
	W_ppm	364	128.17	5.08	0.62	0.12	0.39	5	5	5	5	10
	Zn_pct	364	128.17	0.05	0.05	0.92	0.00	0.0046	0.0286	0.0401	0.0549	0.35
	Ag_Final_ppm	466	167.1	1.73	7.61	4.40	57.87	0.25	0.25	0.25	0.25	72.5
	Al_ppm	466	167.1	62175.19	14278.46	0.23	203874410.51	3700	54900	59400	68700	119000
	As_ppm	466	167.1	23.13	43.00	1.86	1849.33	2.5	5	7	11	231
	Au_Final_ppm	466	167.1	0.01	0.00	0.50	0.00	0.005	0.005	0.005	0.01	0.04
	Ba_ppm	466	167.1	454.48	137.96	0.30	19031.86	60	390	440	510	860
	Be_ppm	466	167.1	1.84	0.52	0.28	0.27	0.25	1.6	1.9	2.1	3.3
	Bi_ppm	466	167.1	1.37	0.83	0.61	0.69	1	1	1	1	6
	Ca_ppm	466	167.1	3232.83	7159.69	2.21	51261102.02	100	200	1000	2500	46900
	Cd_ppm	466	167.1	3.75	7.59	2.02	57.61	0.25	0.25	0.25	2.7	39.8
	Co_pct	466	167.1	0.00	0.00	0.99	0.00	-0.0001	0.0002	0.0009	0.0014	0.0063
	Cr_ppm	466	167.1	61.52	76.49	1.24	5850.84	12	32	36	45	399
	Cu_pct	466	167.1	0.06	0.06	0.95	0.00	0.001	0.008	0.05	0.091	0.197
	Fe_pct	466	167.1	2.94	1.50	0.51	2.26	0.22	2.29	2.81	3.53	14.1
	Ga_ppm	466	167.1	16.14	10.15	0.63	102.97	5	10	10	20	70
	K_ppm	466	167.1	21331.09	7143.33	0.33	51027125.50	700	17800	19900	24100	44600
	La_ppm	466	167.1	39.27	17.39	0.44	302.28	5	30	40	40	130
	Mg_ppm	466	167.1	5894.26	7871.78	1.34	61964984.58	400	2400	5400	6200	56100

	Mn_ppm	466	167.1	300.56	197.36	0.66	38951.16	10	111	318	411	1020
	Mo_ppm	466	167.1	1.80	3.04	1.68	9.23	0.5	1	1	1	21
	Na_ppm	466	167.1	7639.66	5386.29	0.71	29012116.96	200	2000	8200	12500	18400
	Ni_ppm	466	167.1	20.07	38.79	1.93	1505.02	0.5	7	13	18	274
	P_ppm	466	167.1	398.59	265.24	0.67	70352.29	80	290	360	420	2750
	Pb_pct	466	167.1	0.00	0.00	0.89	0.00	0.0002	0.0024	0.0026	0.003	0.0198
	S_Final_pc	466	167.1	0.38	0.87	2.28	0.75	0.005	0.01	0.03	0.07	4.11
	Sb_ppm	466	167.1	2.95	1.63	0.55	2.66	2.5	2.5	2.5	2.5	12
	Sc_ppm	466	167.1	9.26	2.73	0.30	7.48	1	8	8	10	20
	Sr_ppm	466	167.1	107.25	65.86	0.61	4337.70	6	72	90	115	347
	Th_ppm	466	167.1	18.32	5.76	0.31	33.18	10	10	20	20	40
	Ti_ppm	466	167.1	2916.98	546.15	0.19	298277.35	200	2700	2900	3200	4600
	Tl_ppm	466	167.1	5.51	1.52	0.28	2.30	5	5	5	5	10
	U_ppm	466	167.1	5.65	2.54	0.45	6.43	5	5	5	5	20
	V_ppm	466	167.1	62.14	28.49	0.46	811.53	9	45	52	67	183
	W_ppm	466	167.1	9.15	29.25	3.20	855.30	5	5	5	5	310
	Zn_pct	466	167.1	0.05	0.07	1.41	0.00	0.0011	0.0083	0.0222	0.0621	0.484
	Ag_Final_ppm	41	18.62	0.25	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.25
	Al_ppm	41	18.62	78825.46	17992.27	0.23	323721693.18	49600	66300	80700	90400	108000
	As_ppm	41	18.62	9.44	5.07	0.54	25.71	5	7	9	11	42
	Au_Final_ppm	41	18.62	0.01	0.00	0.54	0.00	0.005	0.005	0.01	0.01	0.02
	Ba_ppm	41	18.62	589.43	175.58	0.30	30827.19	110	500	610	720	860
	Be_ppm	41	18.62	2.91	0.81	0.28	0.65	1	2.3	3.1	3.5	4.1
	Bi_ppm	41	18.62	1.05	0.23	0.22	0.05	1	1	1	1	2
	Ca_ppm	41	18.62	1390.98	1039.06	0.75	1079640.88	200	600	900	2100	3300
	Cd_ppm	41	18.62	13.68	16.14	1.18	260.39	0.25	1.2	5.6	25.4	57.2
	Co_pct	41	18.62	0.00	0.00	0.89	0.00	0.0007	0.0014	0.0028	0.0059	0.0141
	Cr_ppm	41	18.62	50.37	57.30	1.14	3283.75	27	36	45	50	471
	Cu_pct	41	18.62	0.51	0.57	1.12	0.32	0.206	0.268	0.351	0.418	2.69
	Fe_pct	41	18.62	6.97	4.18	0.60	17.45	0.65	4.17	6.3	9.32	17.6
	Ga_ppm	41	18.62	20.47	6.46	0.32	41.69	10	20	20	20	30
	K_ppm	41	18.62	30412.46	8439.43	0.28	71223915.34	4500	25800	32100	38200	43000
	La_ppm	41	18.62	41.10	9.92	0.24	98.44	10	40	40	50	50
	Mg_ppm	41	18.62	7985.82	3051.03	0.38	9308782.24	1600	7100	8100	9100	12900
	Mn_ppm	41	18.62	771.06	661.04	0.86	436969.96	16	292	453	1305	2550
	Mo_ppm	41	18.62	1.08	0.85	0.79	0.72	0.5	0.5	1	1	4
	Na_ppm	41	18.62	5954.67	3400.22	0.57	11561507.93	1400	2800	6100	7600	12100
	Ni_ppm	41	18.62	26.28	14.82	0.56	219.71	10	19	22	34	104
	P_ppm	41	18.62	405.40	116.55	0.29	13583.79	230	340	380	470	660

	Pb_pct	41	18.62	0.00	0.00	0.36	0.00	0.0005	0.0033	0.004	0.0048	0.0083
	S_Final_pc	41	18.62	0.28	0.57	2.05	0.32	0.04	0.06	0.09	0.12	2.88
	Sb_ppm	41	18.62	2.75	1.02	0.37	1.04	2.5	2.5	2.5	2.5	9
	Sc_ppm	41	18.62	11.06	2.67	0.24	7.12	6	10	11	12	17
	Sr_ppm	41	18.62	89.39	34.42	0.39	1184.72	51	64	73	118	186
	Th_ppm	41	18.62	19.29	2.61	0.14	6.84	10	20	20	20	20
	Ti_ppm	41	18.62	3749.84	994.40	0.27	988838.58	2300	2900	3800	4600	5500
	Tl_ppm	41	18.62	5.27	1.15	0.22	1.32	5	5	5	5	10
	U_ppm	41	18.62	5.48	1.51	0.27	2.27	5	5	5	5	10
	V_ppm	41	18.62	71.73	17.22	0.24	296.48	41	62	74	82	114
	W_ppm	41	18.62	10.56	4.85	0.46	23.54	5	10	10	10	20
	Zn_pct	41	18.62	0.70	0.84	1.19	0.70	0.0156	0.0691	0.402	1.125	2.95
	Ag_Final_ppm	157	43.98	0.27	0.06	0.23	0.00	0.25	0.25	0.25	0.25	0.5
	Al_ppm	157	43.98	73540.25	29587.51	0.40	875420841.63	48200	51900	63400	85500	161500
	As_ppm	157	43.98	10.08	7.73	0.77	59.72	2.5	5	8	12	36
	Au_Final_ppm	157	43.98	0.01	0.00	0.24	0.00	0.005	0.005	0.005	0.005	0.01
	Ba_ppm	157	43.98	506.09	176.69	0.35	31221.10	210	390	470	550	1040
	Be_ppm	157	43.98	2.39	0.90	0.38	0.81	1.3	1.8	2.1	2.5	5
	Bi_ppm	157	43.98	1.00	0.00	0.00	0.00	1	1	1	1	1
	Ca_ppm	157	43.98	1561.48	2053.34	1.31	4216184.64	100	300	1000	2000	11900
	Cd_ppm	157	43.98	8.27	26.66	3.23	710.75	0.25	0.8	2	8.7	179.5
	Co_pct	157	43.98	0.00	0.00	0.76	0.00	0.0005	0.0009	0.0015	0.002	0.0064
	Cr_ppm	157	43.98	45.71	51.04	1.12	2605.15	26	30	35	48	431
	Cu_pct	157	43.98	0.08	0.06	0.75	0.00	0.0008	0.0173	0.068	0.119	0.199
	Fe_pct	157	43.98	3.37	2.64	0.78	6.97	0.44	1.14	2.8	4.07	13.4
	Ga_ppm	157	43.98	15.75	7.11	0.45	50.57	10	10	10	20	30
	K_ppm	157	43.98	25030.65	10371.70	0.41	107572191.79	8600	18200	21100	27900	57100
	La_ppm	157	43.98	33.90	10.53	0.31	110.94	10	30	30	40	60
	Mg_ppm	157	43.98	5351.75	2362.95	0.44	5583528.45	1700	4600	5000	5900	13000
	Mn_ppm	157	43.98	409.27	420.62	1.03	176919.35	16	71	327	500	2100
	Mo_ppm	157	43.98	1.03	0.81	0.78	0.65	0.5	1	1	1	6
	Na_ppm	157	43.98	7988.59	4941.44	0.62	24417823.32	700	3400	6600	12300	20700
	Ni_ppm	157	43.98	22.64	18.51	0.82	342.79	6	13	16	23	120
	P_ppm	157	43.98	354.35	122.42	0.35	14986.34	170	290	310	460	650
	Pb_pct	157	43.98	0.00	0.00	0.37	0.00	0.0005	0.0025	0.0027	0.0032	0.0069
	S_Final_pc	157	43.98	0.62	1.10	1.78	1.21	0.02	0.04	0.12	0.76	5.5
	Sb_ppm	157	43.98	2.74	0.83	0.30	0.69	2.5	2.5	2.5	2.5	6
	Sc_ppm	157	43.98	9.78	4.05	0.41	16.36	6	7	8	11	23
	Sr_ppm	157	43.98	103.09	49.24	0.48	2424.54	39	75	88	113	263

	Th_ppm	157	43.98	18.98	9.56	0.50	91.31	10	10	20	20	50
	Ti_ppm	157	43.98	3233.83	1077.16	0.33	1160264.12	2100	2500	2700	3700	5800
	Tl_ppm	157	43.98	5.20	1.00	0.19	0.99	5	5	5	5	10
	U_ppm	157	43.98	5.00	0.00	0.00	0.00	5	5	5	5	5
	V_ppm	157	43.98	60.61	27.20	0.45	739.92	36	40	47	81	129
	W_ppm	157	43.98	7.47	3.13	0.42	9.79	5	5	5	10	20
	Zn_pct	157	43.98	0.29	0.35	1.19	0.12	0.0085	0.0604	0.13	0.355	1.275
	Ag_Final_ppm	57	25.68	0.25	0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.25
	Al_ppm	57	25.68	81156.07	23803.01	0.29	566583377.07	18100	72700	80100	98400	125000
	As_ppm	57	25.68	50.09	53.69	1.07	2882.65	7	22	30	48	215
	Au_Final_ppm	57	25.68	0.01	0.00	0.50	0.00	0.005	0.005	0.005	0.01	0.02
	Ba_ppm	57	25.68	433.61	254.54	0.59	64790.12	30	200	530	620	940
	Be_ppm	57	25.68	2.04	0.86	0.42	0.73	0.25	1.3	2.4	2.6	3.9
	Bi_ppm	57	25.68	1.81	2.96	1.63	8.75	1	1	1	2	22
	Ca_ppm	57	25.68	759.81	783.88	1.03	614469.98	100	200	600	800	3900
	Cd_ppm	57	25.68	0.36	0.32	0.87	0.10	0.25	0.25	0.25	0.25	1.7
	Co_pct	57	25.68	0.00	0.00	1.03	0.00	-0.0001	0.0004	0.0007	0.0018	0.0045
	Cr_ppm	57	25.68	171.81	154.13	0.90	23754.79	24	61	113	220	573
	Cu_pct	57	25.68	1.58	1.27	0.80	1.60	0.216	0.795	1.265	1.815	7.11
	Fe_pct	57	25.68	3.71	2.49	0.67	6.20	0.85	1.76	2.74	4.2	10.8
	Ga_ppm	57	25.68	19.77	6.24	0.32	38.99	10	20	20	20	40
	K_ppm	57	25.68	24438.55	13761.43	0.56	189376868.86	2400	9200	31500	36300	48000
	La_ppm	57	25.68	28.24	19.32	0.68	373.17	10	20	20	30	100
	Mg_ppm	57	25.68	14214.06	21338.84	1.50	455346132.09	100	3200	3700	14700	70800
	Mn_ppm	57	25.68	169.87	194.03	1.14	37648.46	31	43	60	248	619
	Mo_ppm	57	25.68	4.18	6.63	1.59	43.94	0.5	1	1	5	29
	Na_ppm	57	25.68	3236.72	3142.68	0.97	9876444.78	200	1200	1800	4100	12500
	Ni_ppm	57	25.68	70.35	98.93	1.41	9787.32	6	15	21	48	360
	P_ppm	57	25.68	1429.80	2035.45	1.42	4143066.96	160	340	700	1130	8480
	Pb_pct	57	25.68	0.00	0.01	1.69	0.00	0.0005	0.0012	0.0017	0.0035	0.038
	S_Final_pc	57	25.68	1.18	1.04	0.88	1.09	0.03	0.1	1.02	2.08	3.74
	Sb_ppm	57	25.68	3.17	2.62	0.83	6.85	2.5	2.5	2.5	2.5	20
	Sc_ppm	57	25.68	18.69	10.07	0.54	101.32	2	11	18	25	47
	Sr_ppm	57	25.68	216.14	137.68	0.64	18956.75	36	115	169	263	632
	Th_ppm	57	25.68	16.53	9.29	0.56	86.28	10	10	10	20	50
	Ti_ppm	57	25.68	2767.87	1158.81	0.42	1342839.49	100	2100	2800	3400	6000
	Tl_ppm	57	25.68	5.19	0.98	0.19	0.96	5	5	5	5	10
	U_ppm	57	25.68	5.46	2.61	0.48	6.79	5	5	5	5	20
	V_ppm	57	25.68	129.34	60.99	0.47	3719.28	44	85	126	152	327

	W_ppm	57	25.68	5.93	1.97	0.33	3.89	5	5	5	5	10
	Zn_pct	57	25.68	0.03	0.02	0.66	0.00	0.005	0.0129	0.0286	0.0518	0.096
	Ag_Final_ppm	106	25.1	5.19	10.47	2.02	109.54	0.25	0.25	0.25	0.25	42
	Al_ppm	106	25.1	91665.54	64473.01	0.70	4156769464.92	300	82100	93900	113000	266000
	As_ppm	106	25.1	65.90	71.74	1.09	5146.67	2.5	11	39	101	291
	Au_Final_ppm	106	25.1	0.06	0.11	1.78	0.01	0.005	0.005	0.01	0.01	0.35
	Ba_ppm	106	25.1	454.26	338.38	0.74	114497.73	5	110	580	700	1000
	Be_ppm	106	25.1	2.30	1.36	0.59	1.86	0.25	1.1	2.9	3.4	4
	Bi_ppm	106	25.1	6.35	12.19	1.92	148.51	1	1	1	4	58
	Ca_ppm	106	25.1	319.02	225.55	0.71	50871.46	50	100	300	400	900
	Cd_ppm	106	25.1	71.82	264.01	3.68	69700.53	0.25	0.25	0.9	4.1	1070
	Co_pct	106	25.1	0.01	0.02	1.71	0.00	0.0003	0.0005	0.001	0.0055	0.0638
	Cr_ppm	106	25.1	137.16	188.08	1.37	35373.85	4	43	51	66	606
	Cu_pct	106	25.1	4.26	5.94	1.40	35.26	0.198	0.873	1.65	3.9	24.4
	Fe_pct	106	25.1	10.51	11.88	1.13	141.09	0.89	2.6	4.45	9.91	38.5
	Ga_ppm	106	25.1	18.62	8.02	0.43	64.32	5	20	20	20	40
	K_ppm	106	25.1	24948.61	19367.89	0.78	375115046.12	100	4800	33800	42200	52100
	La_ppm	106	25.1	26.00	16.64	0.64	276.99	5	10	30	40	70
	Mg_ppm	106	25.1	12198.90	17787.95	1.46	316411330.27	50	2500	5500	11000	73400
	Mn_ppm	106	25.1	220.24	190.72	0.87	36374.74	27	72	142	295	763
	Mo_ppm	106	25.1	3.90	5.52	1.42	30.48	0.5	1	1	2	21
	Na_ppm	106	25.1	2176.10	3177.49	1.46	10096425.38	100	200	1000	2500	13400
	Ni_ppm	106	25.1	71.26	92.80	1.30	8611.09	11	18	28	56	373
	P_ppm	106	25.1	438.96	250.93	0.57	62968.06	5	350	520	580	950
	Pb_pct	106	25.1	0.01	0.01	1.21	0.00	0.0007	0.0036	0.0043	0.0051	0.0586
	S_Final_pc	106	25.1	9.44	16.79	1.78	281.78	0.05	0.27	1.07	3.32	45
	Sb_ppm	106	25.1	9.11	11.25	1.24	126.62	2.5	2.5	2.5	8	41
	Sc_ppm	106	25.1	20.08	17.55	0.87	307.94	0.5	12	18	24	89
	Sr_ppm	106	25.1	159.92	110.10	0.69	12121.61	0.5	24	202	228	401
	Th_ppm	106	25.1	21.55	12.67	0.59	160.65	10	10	20	20	70
	Ti_ppm	106	25.1	2597.41	1618.46	0.62	2619413.53	50	2100	2600	3400	5400
	Tl_ppm	106	25.1	5.73	1.79	0.31	3.19	5	5	5	5	10
	U_ppm	106	25.1	5.50	1.52	0.28	2.30	5	5	5	5	10
	V_ppm	106	25.1	91.20	55.48	0.61	3078.47	3	72	90	133	200
	W_ppm	106	25.1	6.52	2.92	0.45	8.50	5	5	5	10	20
	Zn_pct	106	25.1	0.19	0.34	1.83	0.12	0.0055	0.0235	0.0424	0.1555	2.06
	Ag_Final_ppm	337	70.1	0.29	0.21	0.72	0.04	0.25	0.25	0.25	0.25	1.9
	Al_ppm	337	70.1	66629.67	11550.77	0.17	133420277.91	49400	57800	63100	76700	111000
	As_ppm	337	70.1	7.23	2.94	0.41	8.65	2.5	6	8	9	18

	Au_Final_ppm	337	70.1	0.01	0.00	0.57	0.00	0.005	0.005	0.005	0.01	0.05
	Ba_ppm	337	70.1	497.63	147.00	0.30	21609.96	110	410	490	570	1110
	Be_ppm	337	70.1	2.22	0.49	0.22	0.24	1.1	1.9	2.1	2.5	3.7
	Bi_ppm	337	70.1	1.12	0.41	0.37	0.17	1	1	1	1	3
	Ca_ppm	337	70.1	4657.20	3907.12	0.84	15265613.23	600	1600	2900	6500	21200
	Cd_ppm	337	70.1	4.97	8.83	1.78	77.95	0.25	0.25	0.6	6.7	45
	Co_pct	337	70.1	0.00	0.00	0.62	0.00	0.0007	0.001	0.0013	0.0018	0.013
	Cr_ppm	337	70.1	41.98	27.99	0.67	783.61	27	35	38	45	380
	Cu_pct	337	70.1	0.02	0.04	2.28	0.00	0.0008	0.0018	0.0031	0.006	0.237
	Fe_pct	337	70.1	3.61	1.34	0.37	1.80	2.25	2.9	3.48	3.81	22
	Ga_ppm	337	70.1	17.10	4.91	0.29	24.15	10	10	20	20	30
	K_ppm	337	70.1	23543.37	8076.55	0.34	65230716.39	1500	18800	21400	28100	52600
	La_ppm	337	70.1	37.70	7.34	0.19	53.83	5	30	40	40	50
	Mg_ppm	337	70.1	6835.38	1229.12	0.18	1510747.39	4100	6000	6500	7800	10400
	Mn_ppm	337	70.1	437.81	109.21	0.25	11927.05	176	375	428	478	779
	Mo_ppm	337	70.1	0.95	0.46	0.48	0.21	0.5	0.5	1	1	6
	Na_ppm	337	70.1	11868.90	10722.18	0.90	114965083.87	500	6400	10300	13100	64900
	Ni_ppm	337	70.1	18.34	11.62	0.63	134.94	11	14	16	21	196
	P_ppm	337	70.1	400.01	102.52	0.26	10509.66	90	350	390	440	1000
	Pb_pct	337	70.1	0.00	0.00	0.48	0.00	0.0006	0.0024	0.0027	0.0032	0.0252
	S_Final_pc	337	70.1	0.21	1.19	5.66	1.41	0.005	0.02	0.04	0.11	19.35
	Sb_ppm	337	70.1	2.84	1.76	0.62	3.08	2.5	2.5	2.5	2.5	27
	Sc_ppm	337	70.1	9.76	3.02	0.31	9.14	7	8	9	11	39
	Sr_ppm	337	70.1	97.13	44.08	0.45	1942.75	20	66	90	115	254
	Th_ppm	337	70.1	16.43	4.80	0.29	23.09	10	10	20	20	20
	Ti_ppm	337	70.1	2893.72	462.05	0.16	213492.42	2000	2700	2800	3100	6300
	Tl_ppm	337	70.1	5.62	1.65	0.29	2.73	5	5	5	5	10
	U_ppm	337	70.1	5.56	2.15	0.39	4.64	5	5	5	5	20
	V_ppm	337	70.1	59.22	30.94	0.52	957.15	39	46	52	64	360
	W_ppm	337	70.1	5.10	0.70	0.14	0.49	5	5	5	5	10
	Zn_pct	337	70.1	0.12	0.16	1.34	0.03	0.0071	0.0148	0.0739	0.1625	1.04

APPENDIX E -

Multi-Element Box Plots

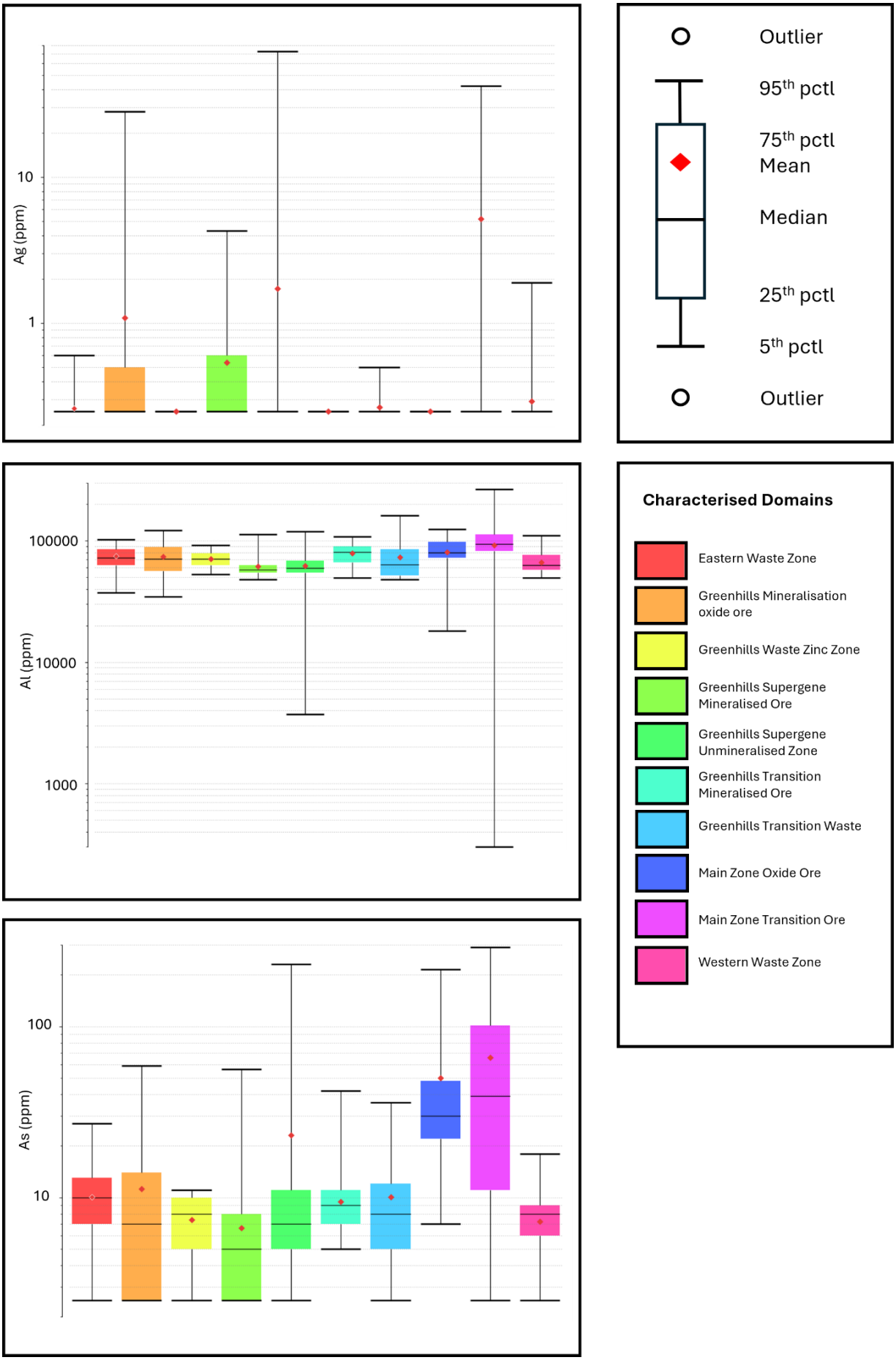


Figure E1: Box plot distributions of Ag, Al and As grouped by domain

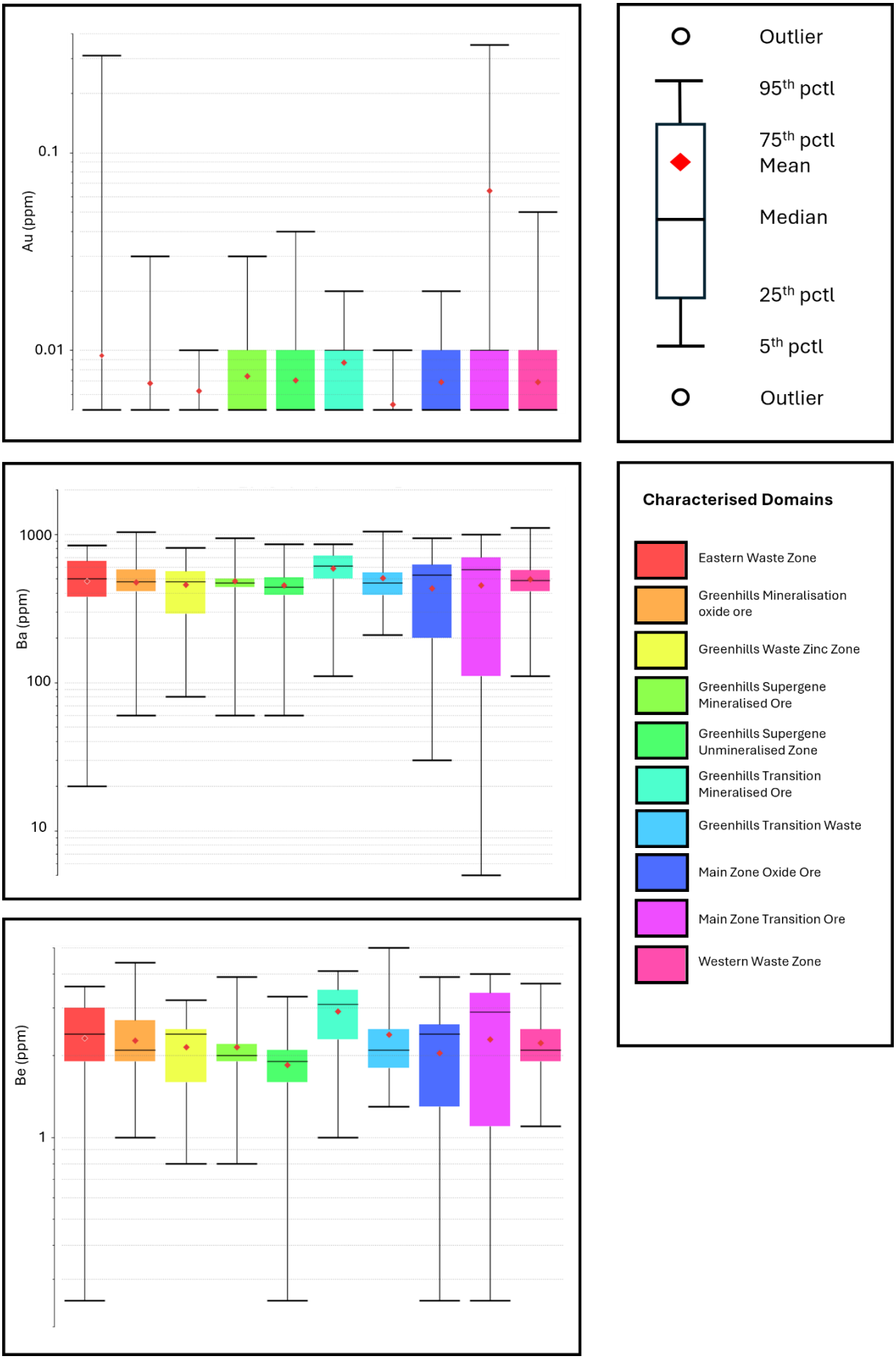


Figure E2: Box plot distributions of Au, Ba and Be grouped by domain

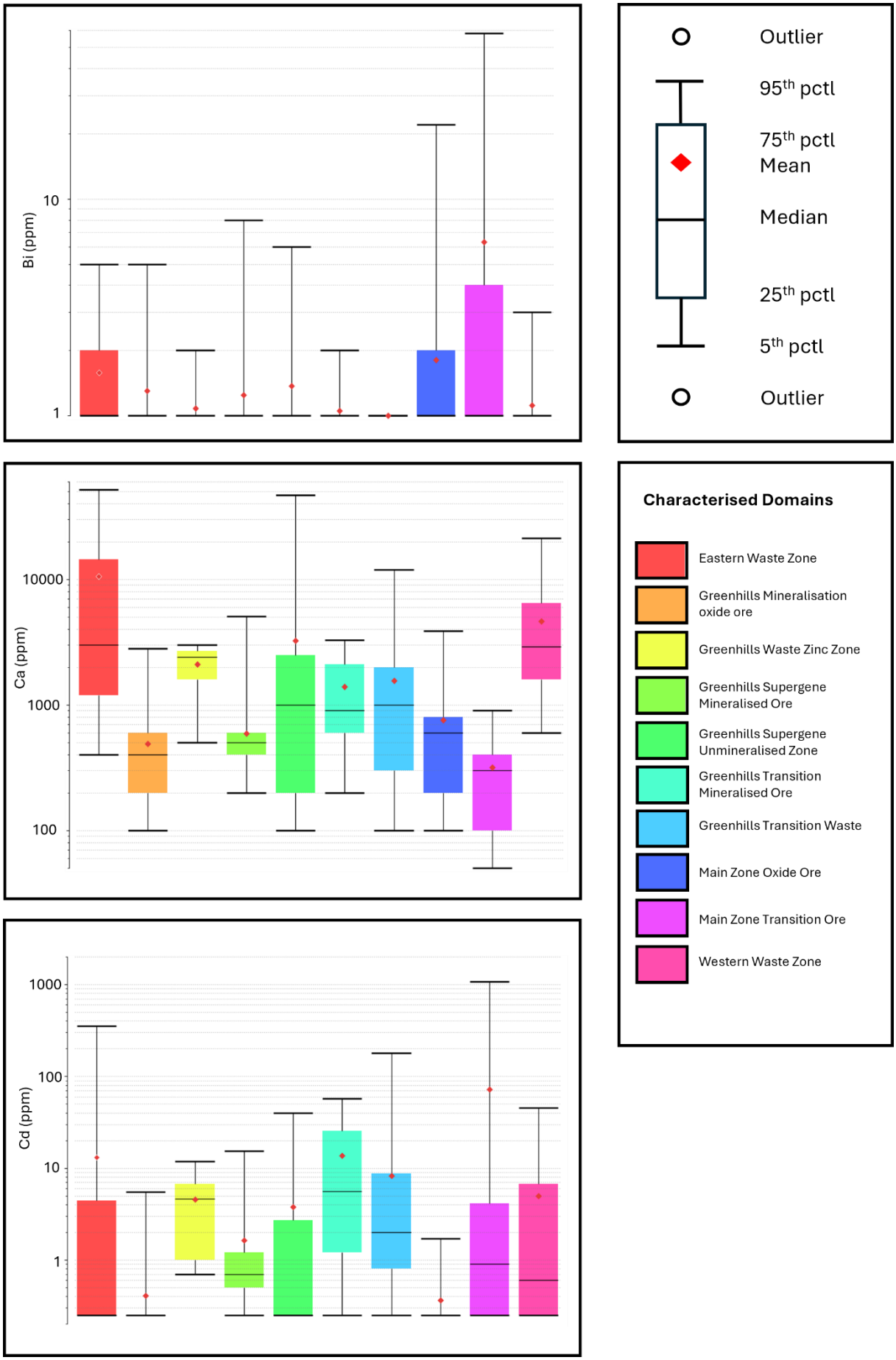


Figure E3: Box plot distributions of Bi, Ca and Cd grouped by domain

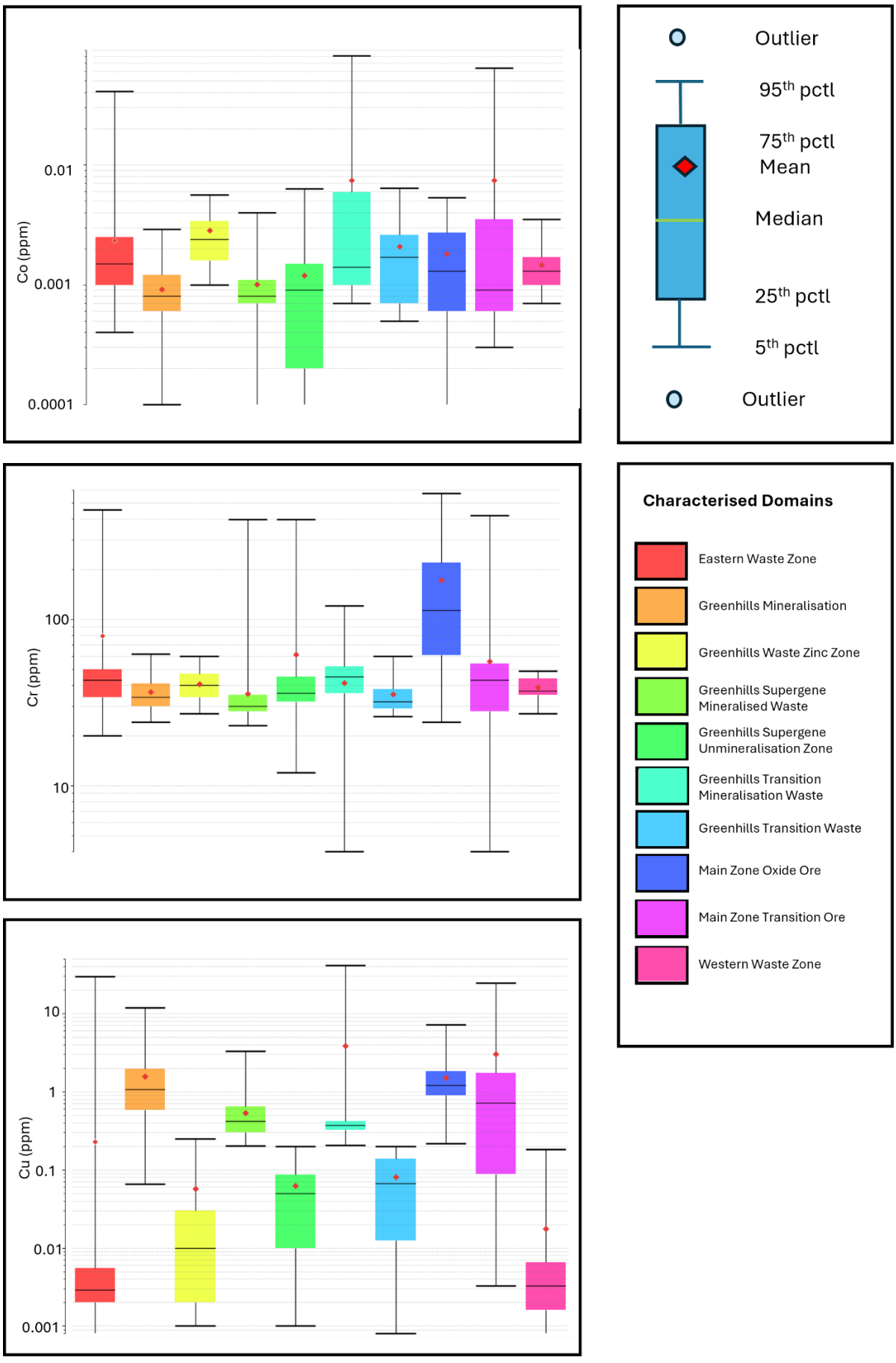


Figure E4: Box plot distributions of Co, Cr and Cu grouped by domain

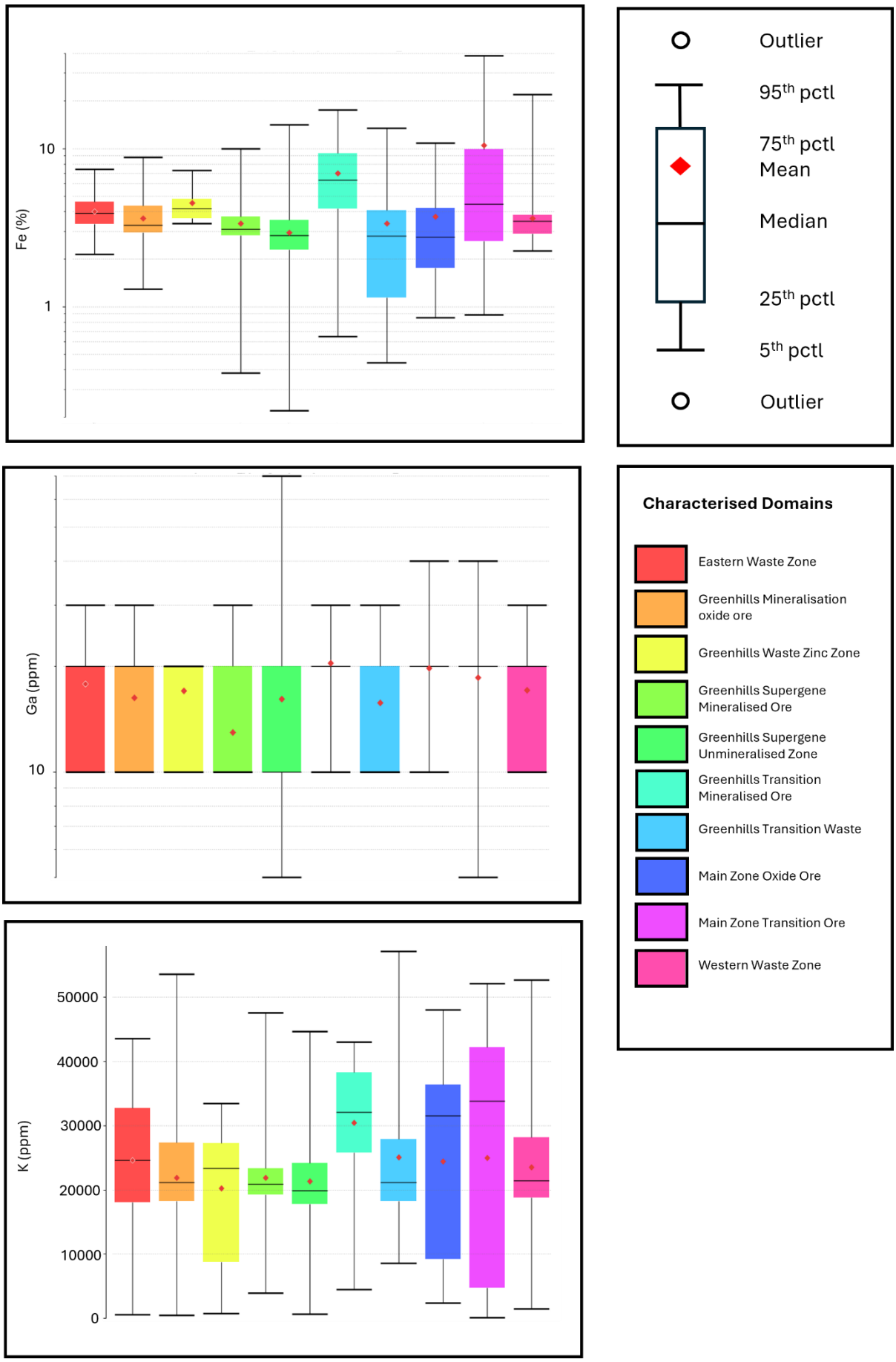


Figure E5: Box plot distributions of Fe, Ga and K grouped by domain

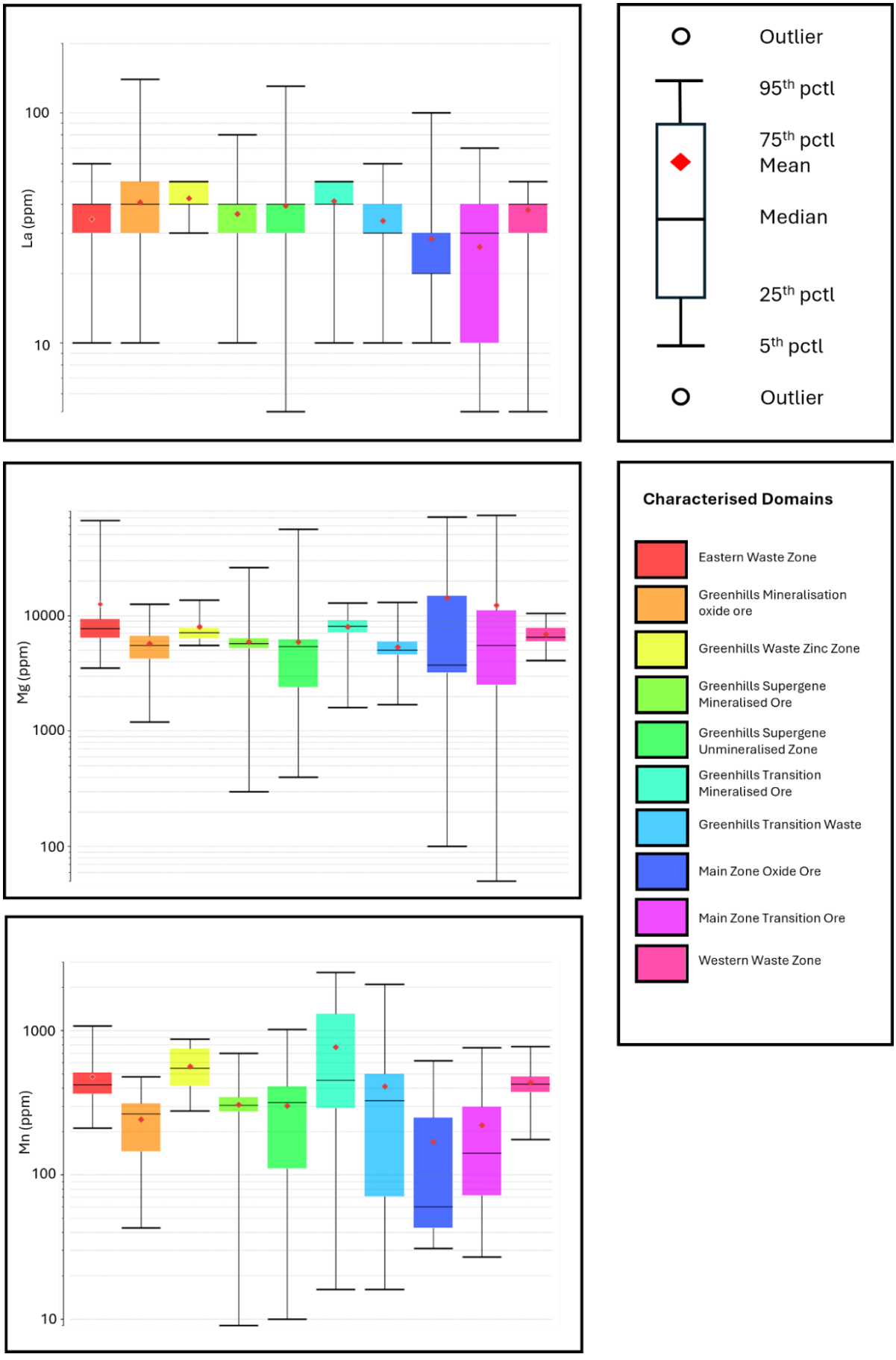


Figure E6: Box plot distributions of La, Mg and Mn grouped by domain

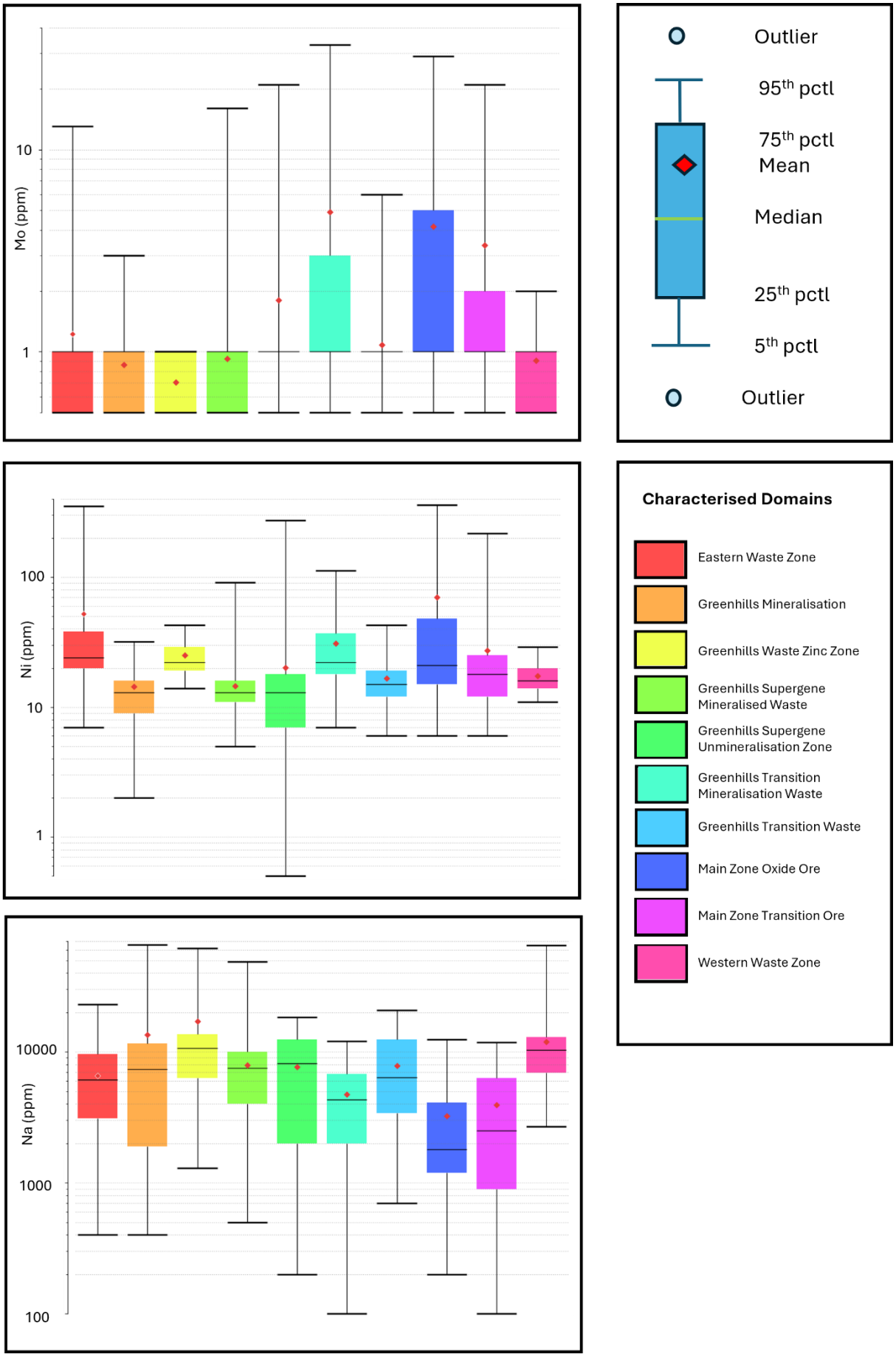
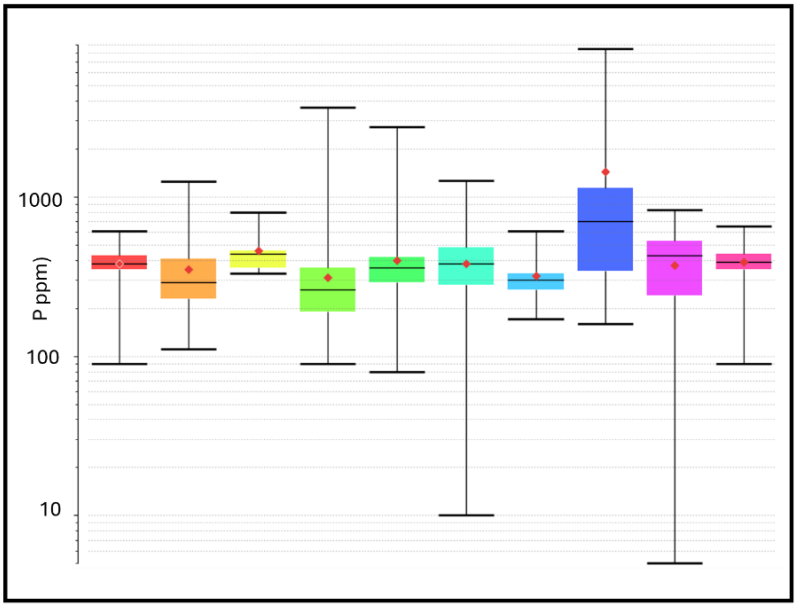
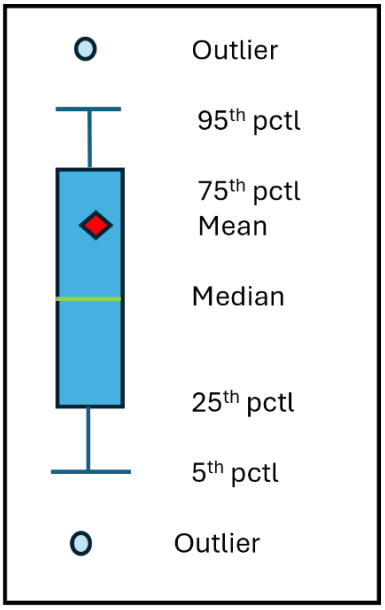
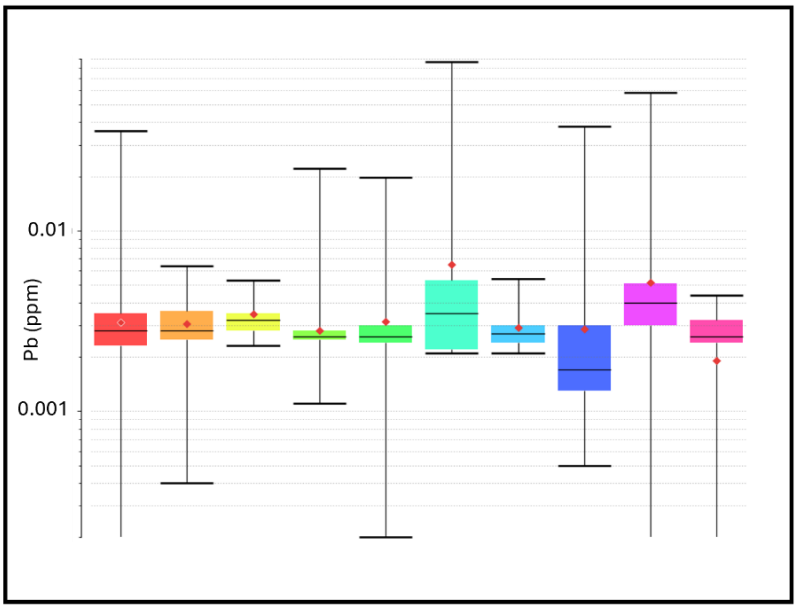
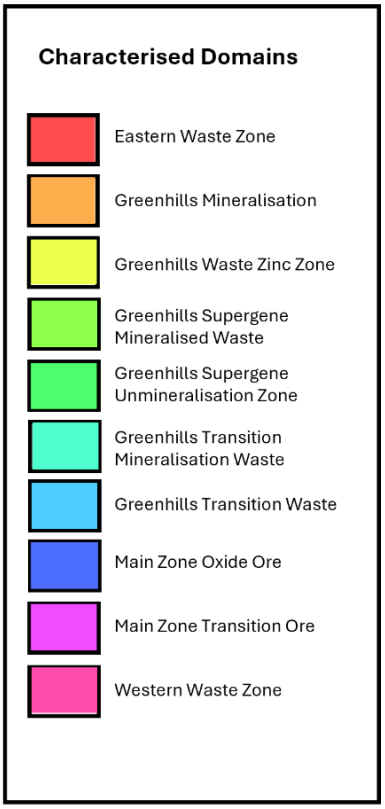


Figure E7: Box plot distributions of Mo, Ni and Na grouped by domain









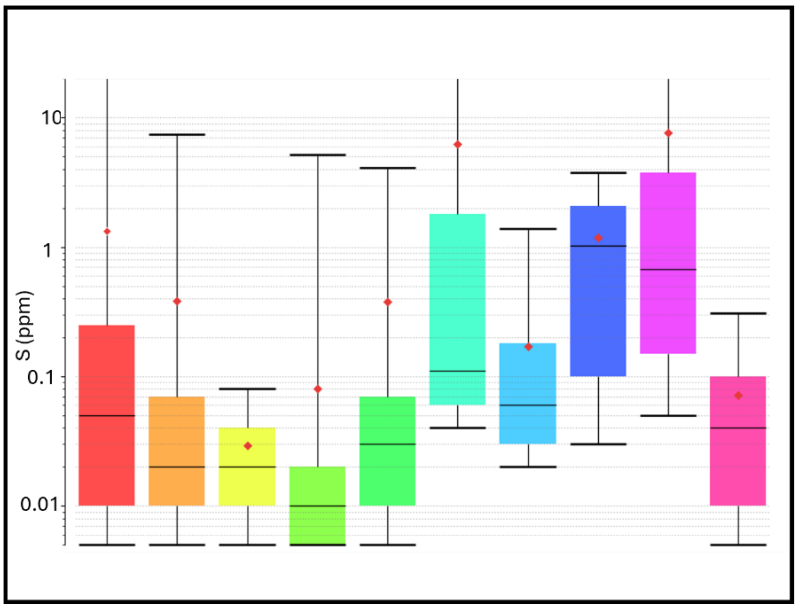


Figure E8: Box plot distributions of P, Pb and S grouped by domain

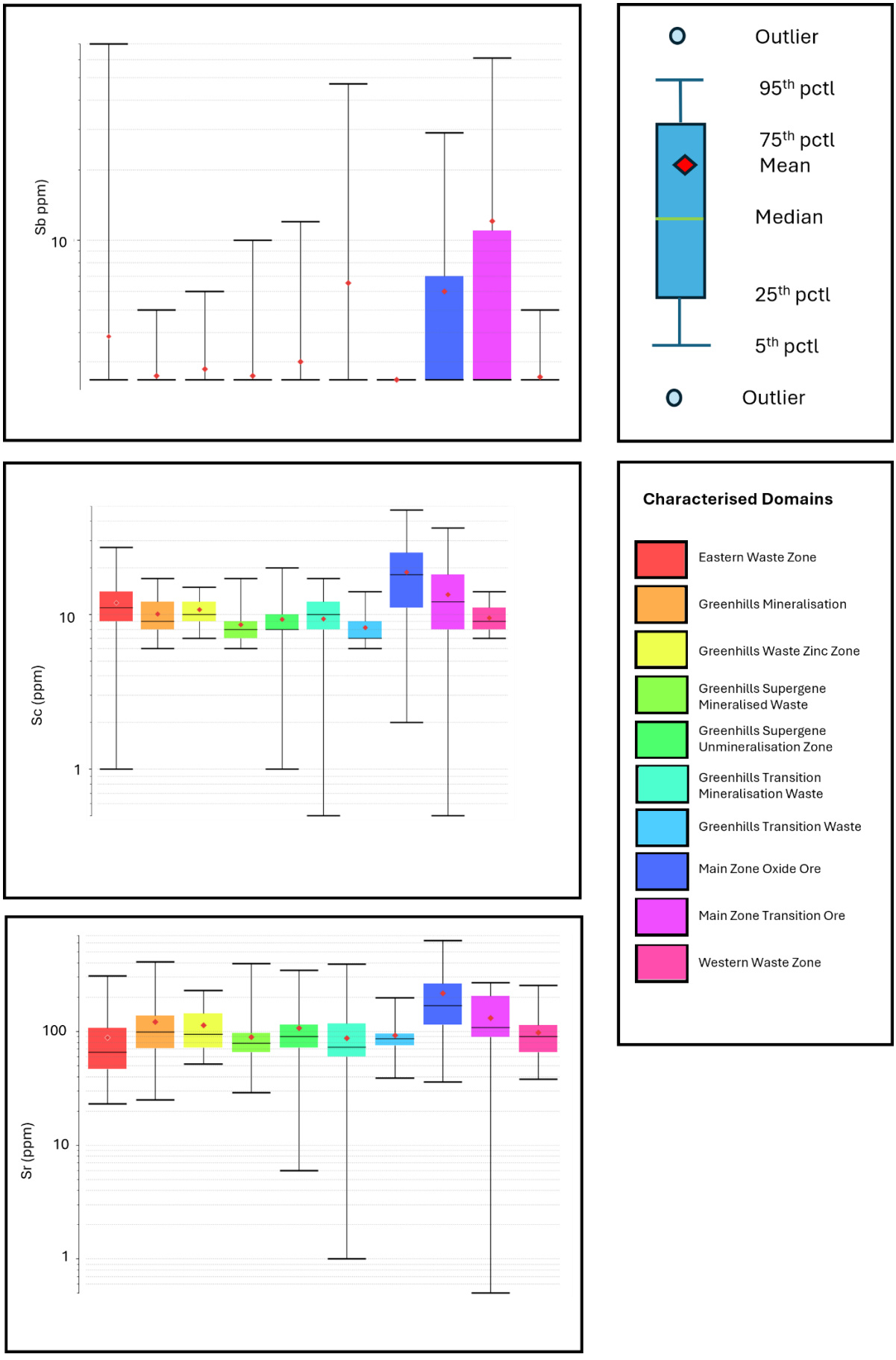
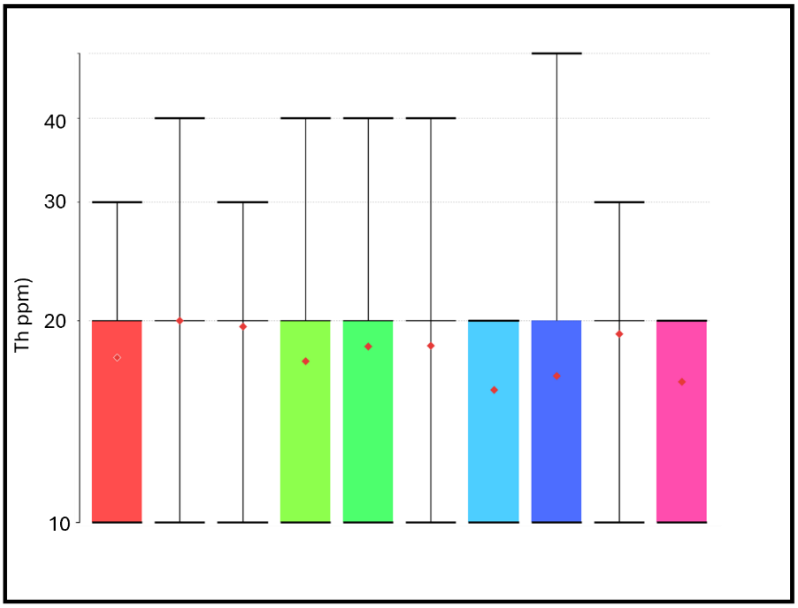
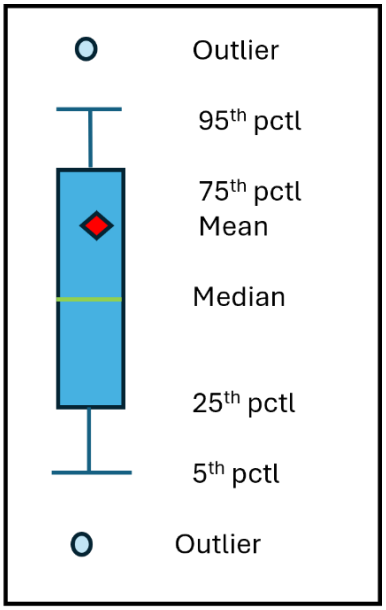
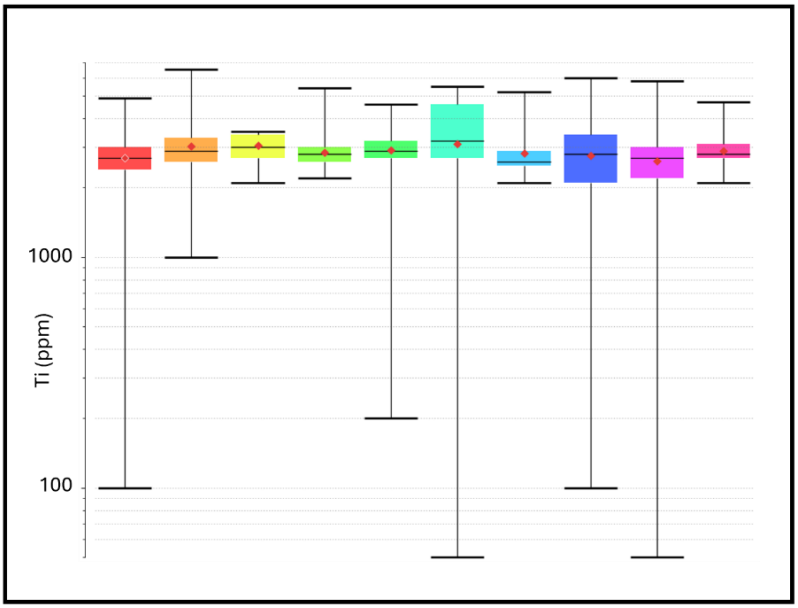
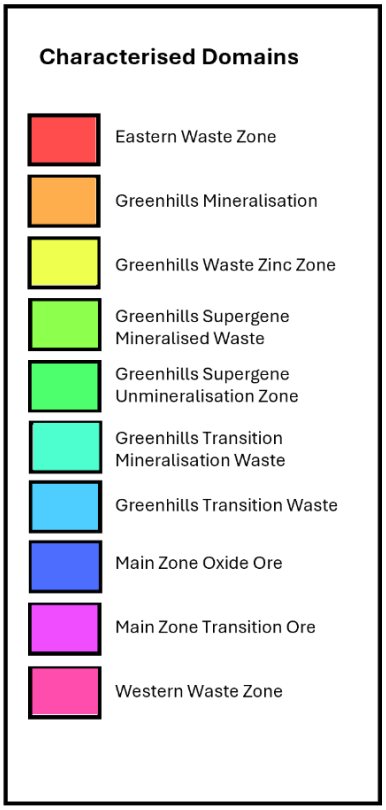


Figure E9: Box plot distributions of Sr, Sc and Sb grouped by domain









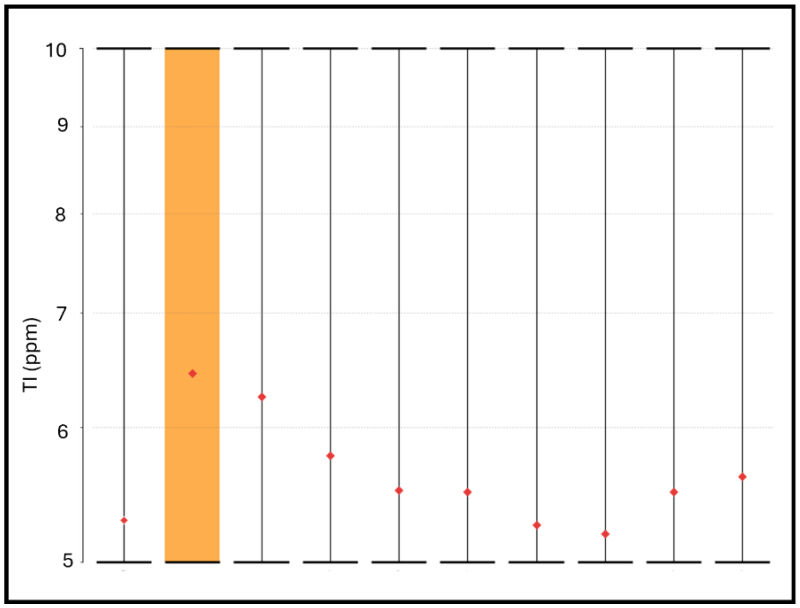


Figure E10: Box plot distributions of Th, Ti and Tl grouped by domain

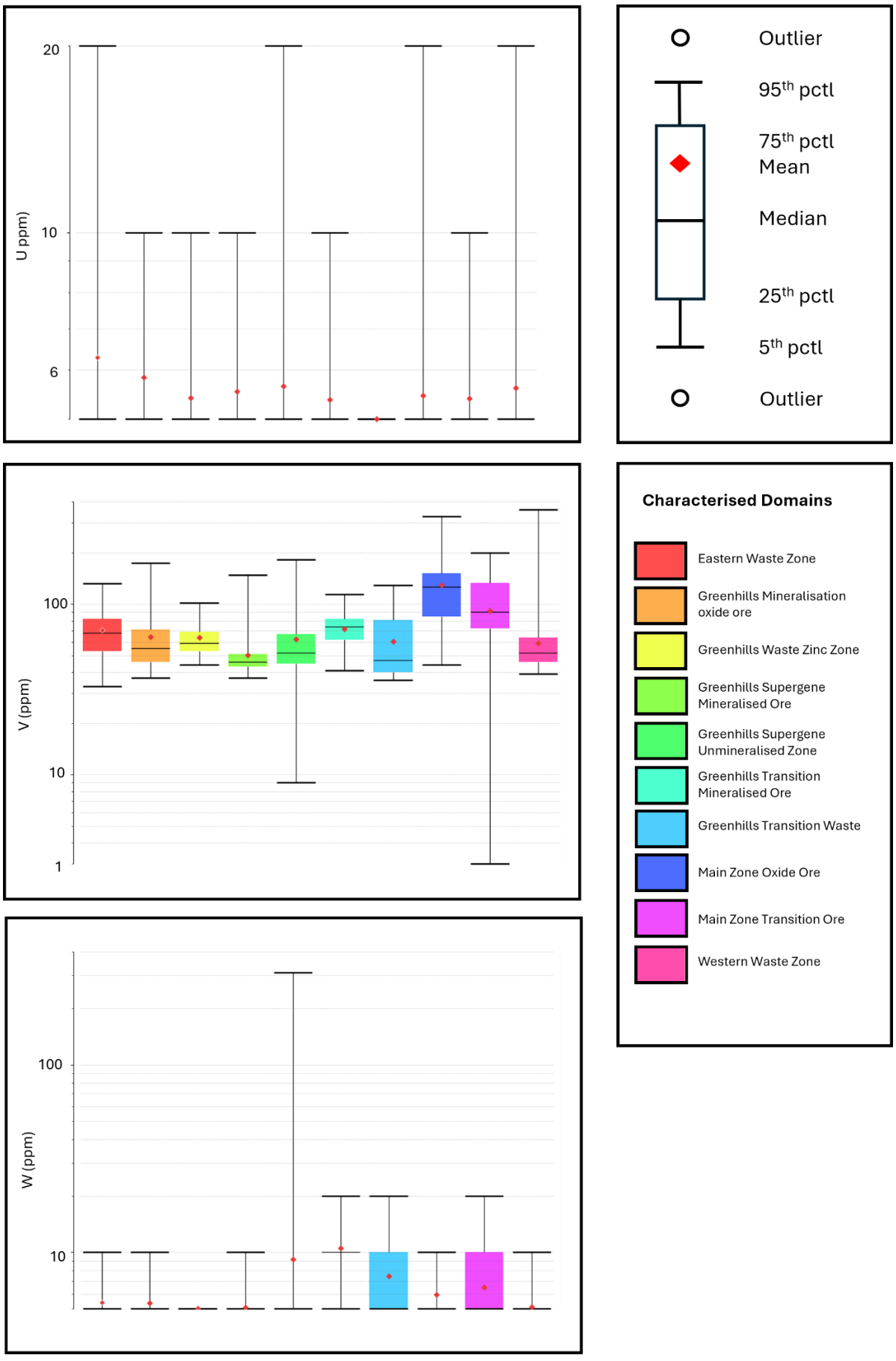


Figure E11: Box plot distributions of U, V and W grouped by domain

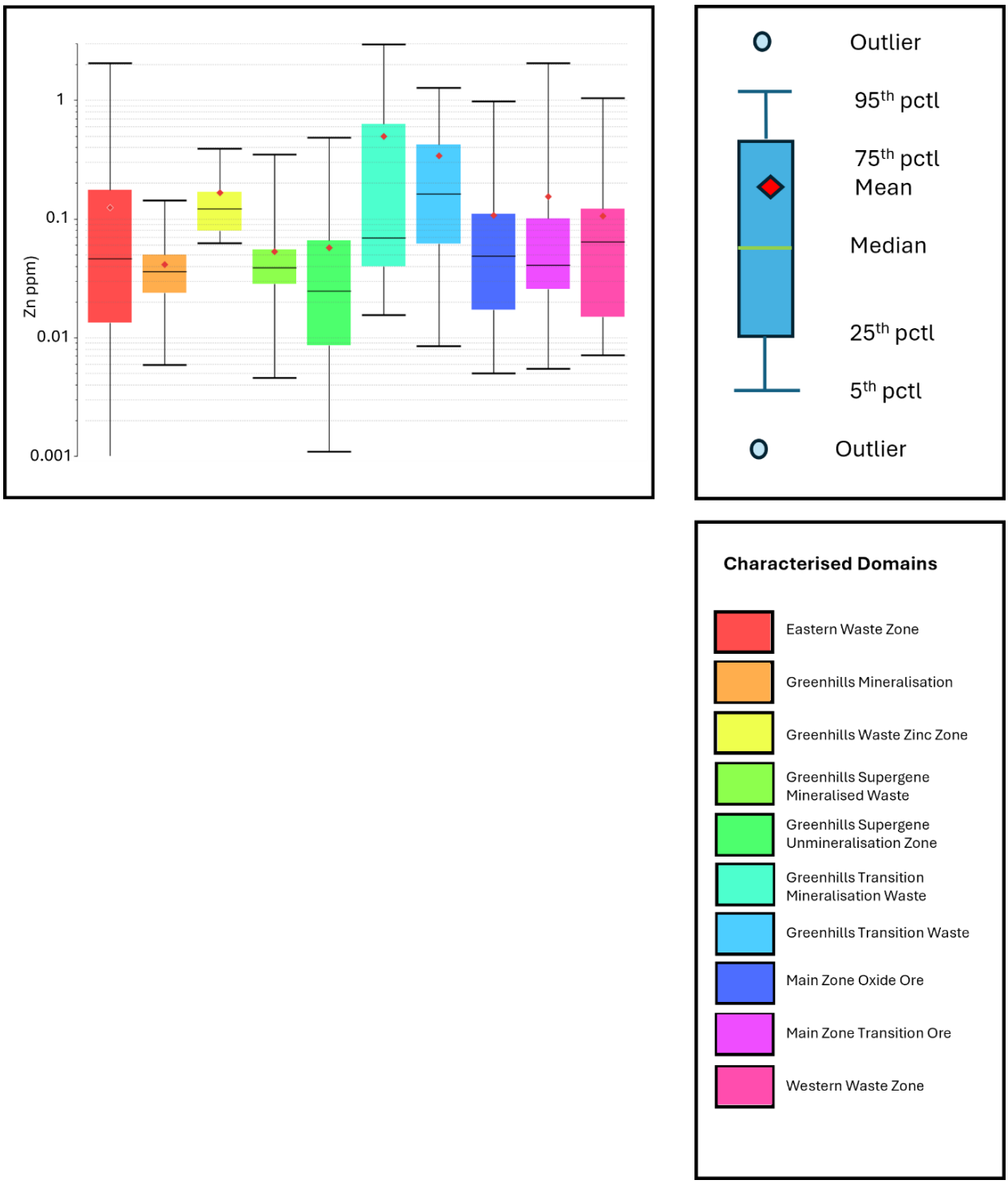


Figure E12: Box plot distribution of Zn grouped by domain

APPENDIX F -

Sequential Copper Box Plots

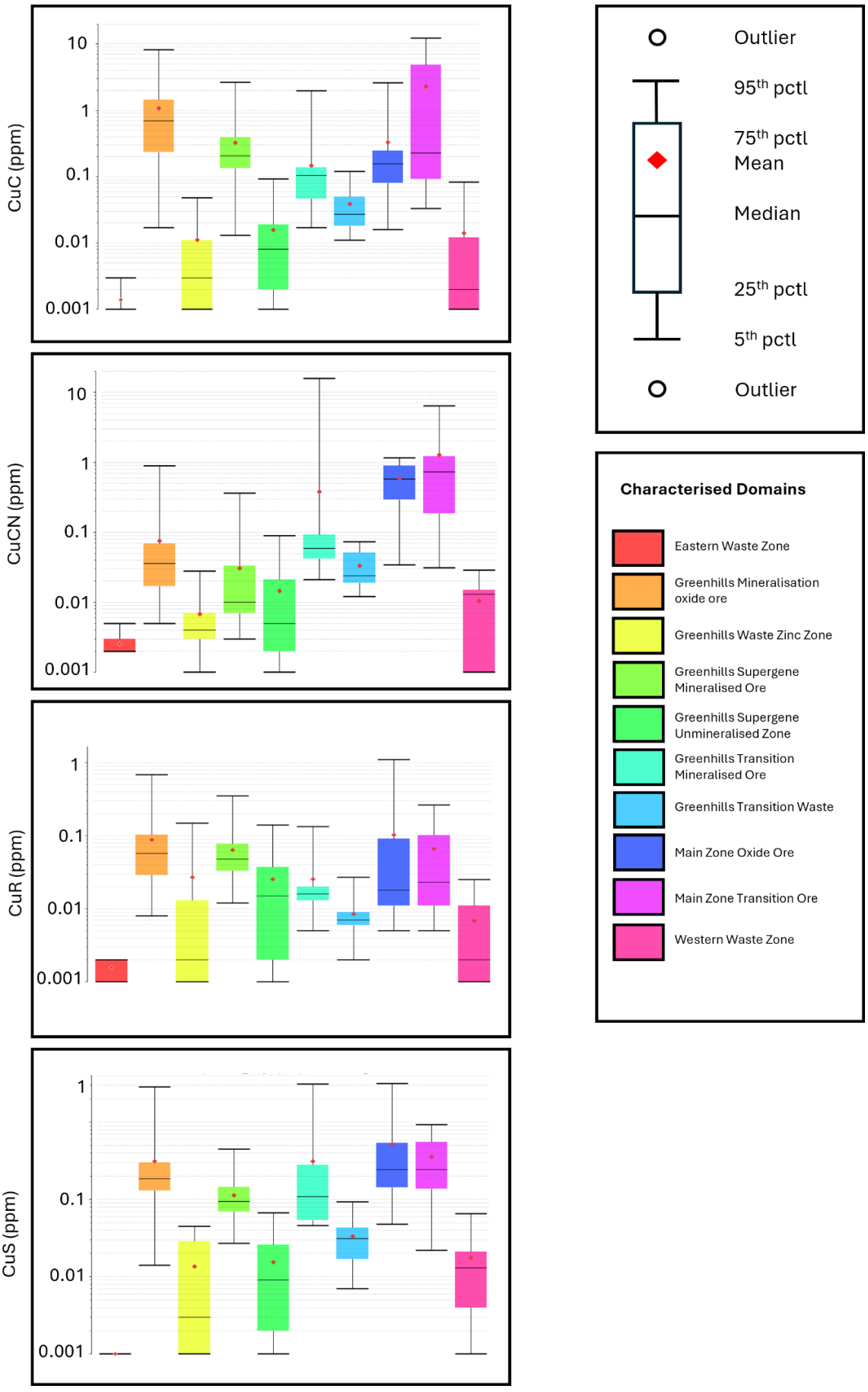


Figure F1: Box plot distributions of CuC, CuCN, CuR and CuS grouped by domain

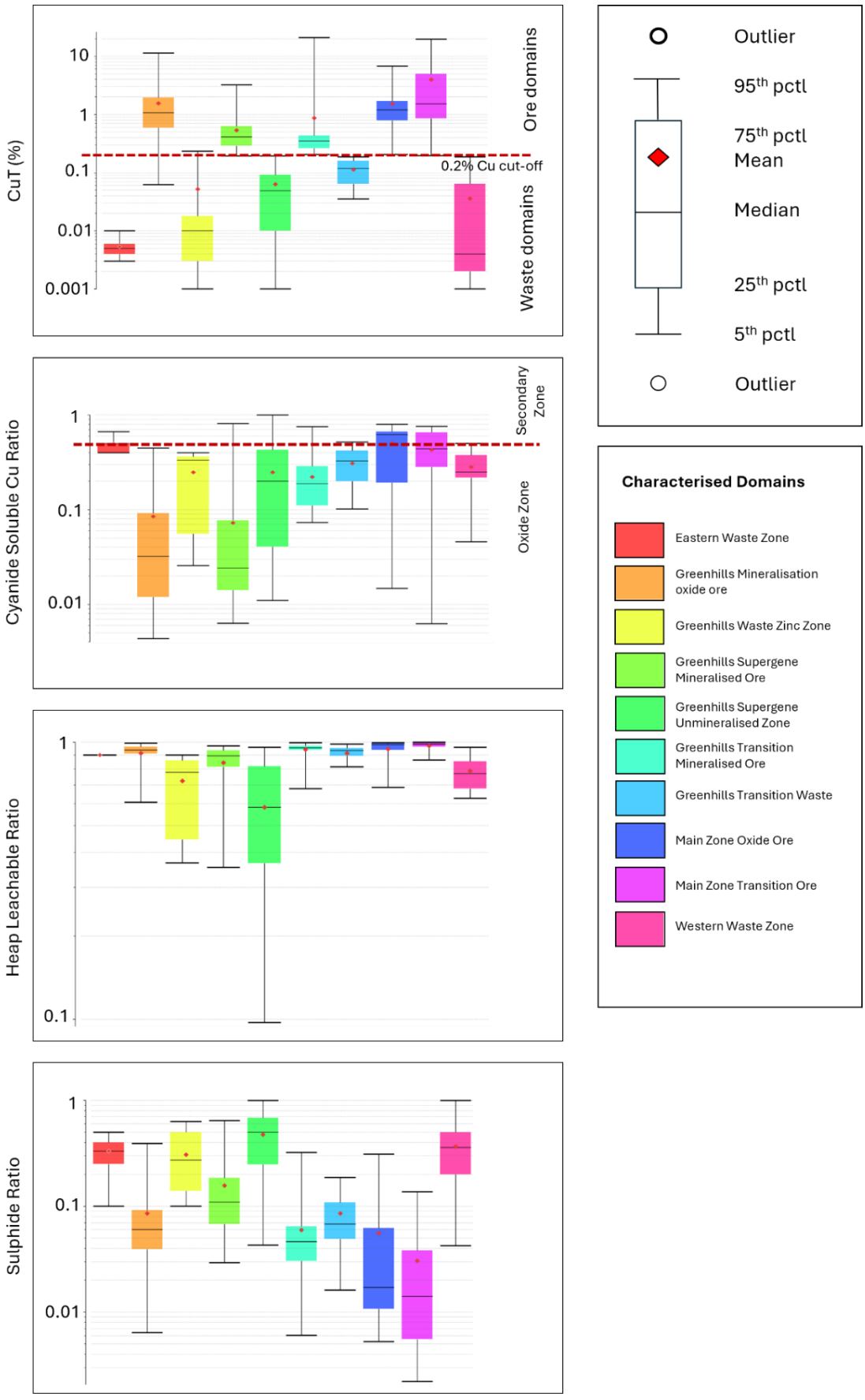


Figure F2: Box plot distributions of CuT and Soluble, Heap Leachable and Sulphide ratios grouped by domain

APPENDIX G -

Column Leach Testing Raw Data

COLUMN 1

Column 1 (Oxide Only) Normal test conditions					Leachate Assays (mg/L)						Feed Assays		Cu leached	Acid Consumed	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	L	ΔL	Cu (mg/L)	FA (g/L)	g	g	kg	kg/t
24-Jun	1	7.81	3.52	0	22.6	19107.1	1493.6	127.6	7.4	7.4		8.0	140.87	59.0	0.5	5.71
25-Jun	2	10.66	3.46	0	19.5	15077.7	1320.5	107.5	10.2	2.8		8.0	42.16	22.4	0.5	5.97
26-Jun	3	13.61	3.57	0	10.9	8980.2	730.2	63.5	13.2	3.1		8.0	27.48	24.5	0.5	6.25
27-Jun	4	16.56	3.54	0	11.5	9344.9	781.0	67.0	16.1	2.9		8.0	26.64	22.8	0.6	6.52
28-Jun	5	19.61	3.55	0	7.5	6503.1	559.5	41.9	19.2	3.1		8.0	20.46	25.2	0.6	6.81
29-Jun	6	22.91	3.49	0	6.4	5544.9	542.7	36.7	22.5	3.3		8.0	18.31	26.4	0.6	7.12
30-Jun	7	25.51	3.42	0	6.3	5492.2	576.0	35.8	25.1	2.5		8.0	13.93	20.3	0.6	7.35
1-Jul	8	28.66	3.48	0	5.5	5062.6	630.8	33.9	28.2	3.1		8.0	15.91	25.1	0.7	7.65
2-Jul	9	3.31	3.56	0	1.6	3284.6	719.6	23.5	3.3	3.3	50	8.0	10.58	26.2	0.7	7.95
3-Jul	10	6.11	3.65	0	1.5	3257.9	793.9	23.0	6.0	2.8	50	8.0	8.88	22.1	0.7	8.21
4-Jul	11	9.01	3.61	0	1.3	3498.2	912.5	22.9	8.9	2.9	50	8.0	9.88	22.9	0.7	8.48
5-Jul	12	11.96	3.52	0	1.3	3171.8	870.6	22.9	11.8	2.9	50	8.0	9.11	23.4	0.8	8.75
6-Jul	13	15.31	3.32	0	1.2	3215.9	880.2	21.3	15.1	3.3	50	8.0	10.49	26.5	0.8	9.06
7-Jul	14	18.26	3.38	0	1.1	3142.7	859.7	21.0	18.1	2.9	50	8.0	9.06	23.4	0.8	9.33
8-Jul	15	21.11	3.28	0	1.0	3153.5	909.0	20.9	20.9	2.8	50	8.0	8.71	22.4	0.8	9.59
15-Jul	22	21.26	3.25	0	0.8	2818.6	572.8	20.3	21.0	21.0	50	8.0	58.27	168.4	1.0	11.55
22-Jul	29	21.31	3.36	0.12	4.8	3018.7	1485.7	53.5	20.9	20.9	50	8.0	62.14	164.9	1.2	13.47
29-Jul	36	21.56	2.425	0.08	5.0	2110.6	1277.1	58.3	21.2	21.2	50	8.0	43.63	167.7	1.3	15.42
5-Aug	43	21.01	2.18	0.12	4.5	1867.6	1339.1	54.2	20.7	20.7	50	8.0	37.58	162.9	1.5	17.32
12-Aug	50	21.21	2.20	0	4.0	1438.6	1519.9	51.5	20.8	20.8	50	8.0	28.95	166.8	1.7	19.26
19-Aug	57	21.06	2.46	0	5.0	1384.4	2368.4	65.1	20.7	20.7	50	8.0	27.58	165.3	1.8	21.19
26-Aug	64	21.21	2.39	0	5.1	1183.8	2235.9	72.8	20.8	20.8	50	8.0	23.55	166.2	2.0	23.12

Column 1 (Oxide Only) Normal test conditions					Leachate Assays (mg/L)						Feed Assays		Cu leached	Acid Consumed	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	L	ΔL	Cu (mg/L)	FA (g/L)	g	g	kg	kg/t
2-Sep	71	21.61	2.38	0	5.1	1137.2	2633.9	76.7	21.1	21.1	50	8.0	22.98	169.1	2.2	25.09
9-Sep	78	21.31	2.40	0.19	5.2	890.9	2933.0	76.8	20.8	20.8	53	8.22	17.44	167.1	2.3	27.04
16-Sep	85	21.61	2.15	0.98	5.6	867.7	3985.7	87.8	21.0	21.0	35	14.91	17.44	291.9	2.6	30.43
23-Sep	92	19.71	1.86	0	5.5	940.6	4737.5	94.6	19.0	19.0	31	15.06	17.28	286.0	2.9	33.76
30-Sep	99	22.06	2.09	0	5.5	800.4	6068.4	103.1	21.2	21.2	37	15.01	16.18	318.1	3.2	37.47
8-Oct	107	24.66	1.99	0.14	5.5	815.6	6822.6	112.4	23.6	23.6	26	15.20	18.62	355.0	3.6	41.60
14-Oct	113	12.31	2.1	0.1	6.3	750	7166	113	11.7	11.7	27	15.06	8.47	175.2	3.7	43.64
21-Oct	120	22.16	2.0	0.0	6.2	671	8279	125	21.0	21.0	28	14.95	13.51	314.4	4.1	47.30
28-Oct	127	22.11	2.0	0.2	5.5	565	8798	130	20.9	20.9	33	15.09	11.13	310.3	4.4	50.91
4-Nov	134	22.21	2.0	0.3	6.8	473	8523	124	21.0	21.0	37	14.92	9.16	306.3	4.7	54.48
11-Nov	141	11.56	1.8	0.1	6	685	12374	179	10.9	10.9	39	14.88	7.01	161.0	4.8	56.35
18-Nov	148	22.01	2.1	0.3	6	499	9891	152	20.7	20.7	38	15.09	9.55	306.8	5.1	59.93
25-Nov	155	24.46	1.7	1.6	5	432	9822	136	23.0	23.0	31	14.33	9.21	292.0	5.4	63.33
2-Dec	162	23.66	1.8	1.6	6	356	10070	156	22.1	22.1	29	14.40	7.23	283.4	5.7	66.63
9-Dec	169	23.91	1.7	1.6	5	308	10416	149	22.3	22.3	29	14.45	6.23	286.7	6.0	69.96
16-Dec	176	23.86	1.7	1.7	5	257	11230	163	22.2	22.2	26	14.82	5.11	291.0	6.3	73.35
23-Dec	183	24.16	1.7	0.0	5	241	11197	164	22.4	22.4	28	14.51	4.77	324.9	6.6	77.13
30-Dec	190	12.36	1.7	0.0	5	225	11656	171	11.4	11.4	53	14.68	1.97	167.8	6.8	79.09
6-Jan	197	22.86	1.8	0.0	5	206	12006	175	21.0	21.0	32	14.49	3.66	304.8	7.1	82.64
											25	15.50	0.00		7.1	82.64

COLUMN 2

Column 2 (Oxide Only) Enhanced Test Conditions					Leachate Assays (mg/L)							Feed Assay		Cu Leached	Acid Consume	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	Cl	L	ΔL	Cu (mg/L)	Acid (g/L)	g	g	kg	kg/t
1-Jul	1	4.00	3.16	0	37.1	34419.8	6391.6	221.7		3.58	3.58		11.0	123.28	39.4	0.6	7.48
2-Jul	2	8.05	3.24	0	25.8	26976.3	5116.4	171.5		7.35	3.77		11.0	101.73	41.5	0.7	7.96
3-Jul	3	12.00	3.35	0	18.3	20674.1	4302.7	125.2		11.19	3.83		11.0	79.26	42.2	0.7	8.45
4-Jul	4	16.10	3.35	0	13.0	18199.0	4101.6	92.5		15.24	4.05		11.0	73.77	44.6	0.8	8.96
5-Jul	5	20.25	3.31	0	9.7	13559.5	3822.0	74.7		19.32	4.08		11.0	55.28	44.8	0.8	9.48
6-Jul	6	25.00	3.23	0	7.6	11846.5	3677.5	62.2		23.94	4.63		11.0	54.81	50.9	0.9	10.06
7-Jul	7	29.30	3.14	0	5.1	9263.6	3875.4	49.6		28.21	4.27		11.0	39.55	47.0	0.9	10.60
8-Jul	8	33.40	2.95	0	5.2	9319.6	3942.0	49.2	747.1	32.16	3.94		11.0	36.74	43.4	1.0	11.10
9-Jul	9	4.45	2.57	0	1.7	5653.0	4684.9	34.0		4.33	4.33	50.0	11.0	24.24	47.6	1.0	11.65
10-Jul	10	8.90	2.39	0	1.6	5384.7	4517.8	33.0		8.65	4.32	50.0	11.0	23.04	47.5	1.1	12.20
11-Jul	11	12.65	2.34	0	1.5	5159.8	4436.3	31.6		12.31	3.67	50.0	11.0	18.74	40.3	1.1	12.67
12-Jul	12	17.40	2.37	0	1.9	6099.0	6238.1	40.3		16.89	4.58	50.0	11.0	27.70	50.4	1.1	13.25
13-Jul	13	21.50	2.41	0	1.5	5419.5	5756.2	34.1		20.88	3.99	50.0	11.0	21.41	43.9	1.2	13.75
14-Jul	14	25.75	2.46	0	1.7	5802.8	6571.2	39.4		25.01	4.13	50.0	11.0	23.77	45.5	1.2	14.28
15-Jul	15	29.40	2.28	0	1.5	5014.5	6022.1	36.5	328.7	28.56	3.55	50.0	11.0	17.63	39.1	1.3	14.73
22-Jul	22	30.65	2.67	0	1.2	2701.6	6387.0	31.0	199.5	29.83	29.83	50.0	11.0	79.10	328.2	1.6	18.51
29-Jul	29	30.95	2.08	0.15	4.5	1728.9	7761.1	74.3	389.6	29.76	29.76	50.0	11.0	49.96	322.9	1.9	22.23
5-Aug	36	29.70	1.9	0	2.6	942.3	4361.7	44.2	321.4	29.03	29.03	50.0	11.0	25.90	319.3	2.2	25.91
12-Aug	43	31.20	1.83	0	2.7	775.6	4728.7	44.4	283.6	30.42	30.42	50.0	11.0	22.07	334.6	2.6	29.77

Column 2 (Oxide Only) Enhanced Test Conditions					Leachate Assays (mg/L)							Feed Assay		Cu Leached	Acid Consume	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	Cl	L	ΔL	Cu (mg/L)	Acid (g/L)	g	g	kg	kg/t
19-Aug	50	30.25	2.05	0	3.4	817.3	7683.1	66.3	353.5	29.22	29.22	50.0	11.0	22.42	321.4	2.9	33.48
26-Aug	57	31.55	1.85	0	3.4	628.6	7195.1	70.3	335.1	30.43	30.43	50.0	11.0	17.61	334.8	3.2	37.34
2-Sep	64	32.05	1.90	0	3.4	578.9	6981.0	74.0	361.2	30.90	30.90	50.0	11.0	16.34	339.9	3.6	41.25
9-Sep	71	31.95	1.91	1.41	3.2	458.8	7517.3	68.8	341.2	30.75	30.75	80	11.42	11.64	307.8	3.9	44.80
16-Sep	78	32.50	1.61	1.96	3.5	432.2	8579.1	82.4	347.7	31.08	31.08	51	14.82	11.85	399.6	4.3	49.41
23-Sep	85	32.15	1.40	0	3.7	411.7	8536.4	87.2	301.7	30.64	30.64	51	15.00	11.06	459.6	4.7	54.71
30-Sep	92	32.65	1.48	3.31	3.5	337.9	9480.9	94.0	369.6	31.02	31.02	57	16.13	8.71	397.7	5.1	59.29
8-Oct	100	39.55	1.39	3.23	3.5	301.6	9690.6	99.9	467.0	37.46	37.46	52	15.82	9.36	471.6	5.6	64.73
14-Oct	106	21.65	1.4	3.4	4	265	9570	95	363	20.46	20.46	55	15.65	4.29	250.0	5.9	67.61
21-Oct	113	23.75	1.5	2.6	4	259	10642	111	379	22.38	22.38	54	15.26	4.59	283.4	6.1	70.88
28-Oct	120	31.60	1.4	3.5	3	188	11025	110	362	29.70	29.70	60	15.30	3.81	351.7	6.5	74.93
4-Nov	127	11.40	1.5	4.2	5	210	11471	116	506	10.73	10.73	51	15.26	1.70	118.6	6.6	76.30
11-Nov	134	28.95	1.4	4.6	2	236	13222	135	440	27.15	27.15	66	15.25	4.62	289.9	6.9	79.65
14-Nov	137	13.50	1.6	4.3	4	207	14430	144	===	12.64	12.64	51	15.02	1.98	135.2	7.0	81.20
15-Nov	138	4.25	1.6	5.0	3	226	13867	138	===	3.98	3.98	64	15.39	0.65	41.3	7.1	81.68
16-Nov	139	4.40	1.5	===	3	151	11028	119	===	4.14	4.14			0.63		7.1	81.68
17-Nov	140	8.65	1.8	===	1	83	4916	57	===	8.42	8.42			0.69		7.1	81.68
18-Nov	141	1.40	2.0	===	1	49	1231	18	===	1.39	1.39			0.07		7.1	81.68
19-Nov	142	3.95	2.1	===	0	30	968	15	===	3.93	3.93			0.12		7.1	81.68
20-Nov	143	4.15	2.3	===	0	17	433	8	===	4.14	4.14			0.07		7.1	81.68
21-Nov	144	4.10	2.3	===	0	11	185	4	===	4.10	4.10			0.05		7.1	81.68

Column 2 (Oxide Only) Enhanced Test Conditions					Leachate Assays (mg/L)							Feed Assay		Cu Leached	Acid Consume	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	Cl	L	ΔL	Cu (mg/L)	Acid (g/L)	g	g	kg	kg/t
22-Nov	145	4.25	2.4	===	0	8	82	3	===	4.25	4.25			0.03		7.1	81.68
23-Nov	146	3.15	2.5	===	0	6	43	2	===	3.15	3.15			0.02		7.1	81.68
24-Nov	147	8.10	2.4	===	0	4	21	1	===	8.11	8.11			0.04		7.1	81.68
25-Nov	148	1.40	2.5	===	0	4	13	1	===	1.40	1.40			0.01		7.1	81.68
26-Nov	149	4.10	2.5	===	0	4	12	1	===	4.11	4.11			0.02		7.1	81.68
27-Nov	150	4.20	2.3	===	0	3	9	1	===	4.21	4.21			0.01		7.1	81.68
28-Nov	151	4.00	2.6	===	0	3	7	0	===	4.01	4.01			0.01		7.1	81.68
29-Nov	152	4.35	2.5	===	0	5	22	0	===	4.36	4.36			0.02		7.1	81.68

COLUMN 3

Column 3 (Oxide + SCL) Normal test conditions					Leachate Assays (mg/L)						Feed Assays		Cu leached	Acid Consumed	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	L	ΔL	Cu (mg/L)	Acid (g/L)	g	g	kg	kg/t
24-Jun	1	3.78	3.42	0	35.7	31888.7	2766.7	182.0	3.44	3.44		8	109.7	27.5	0.5	5.11
25-Jun	2	6.63	3.31	0	31.4	24497.1	2325.9	161.2	6.14	2.70		8	66.2	21.6	0.5	5.35
26-Jun	3	9.43	3.42	0	24.0	18073.7	1694.1	123.9	8.93	2.79		8	50.4	22.3	0.5	5.60
27-Jun	4	12.23	3.45	0	17.0	15707.7	1159.8	92.8	11.69	2.76		8	43.3	22.0	0.5	5.84
28-Jun	5	15.13	3.46	0	12.3	10585.1	782.1	61.9	14.65	2.96		8	31.4	23.7	0.5	6.11
29-Jun	6	18.28	3.47	0	8.6	7617.9	521.1	42.9	17.88	3.23		8	24.6	25.8	0.6	6.40
30-Jun	7	20.83	3.41	0	8.2	7485.4	529.1	41.9	20.36	2.48		8	18.6	19.8	0.6	6.62
1-Jul	8	23.83	3.47	0	8.4	7719.0	570.7	44.2	23.28	2.92	50	8	22.4	23.4	0.6	6.88
2-Jul	9	3.03	3.61	0	2.0	4175.5	427.0	21.4	2.99	2.99	50	8	12.3	23.9	0.6	7.15
3-Jul	10	5.78	3.78	0	1.8	3917.0	472.8	20.1	5.71	2.72	50	8	10.5	21.7	0.7	7.39
4-Jul	11	8.53	3.57	0	1.6	4287.8	597.9	20.0	8.43	2.72	50	8	11.5	21.8	0.7	7.63
5-Jul	12	11.28	3.52	0	1.5	3929.4	582.6	19.7	11.15	2.71	50	8	10.5	21.7	0.7	7.87
6-Jul	13	14.53	3.47	0	1.4	3830.3	617.7	19.4	14.36	3.21	50	8	12.1	25.7	0.7	8.16
7-Jul	14	17.38	3.47	0	1.2	3652.8	621.9	18.2	17.19	2.83	50	8	10.2	22.6	0.8	8.41
8-Jul	15	20.13	3.46	0	1.2	3734.2	668.6	18.4	19.90	2.71	50	8	10.0	21.7	0.8	8.65
15-Jul	22	20.58	3.16	0.704	0.7	2834.6	672.5	15.3	20.26	20.26	50	8	56.4	147.8	0.9	10.30
22-Jul	29	21.08	3.55	0	4.8	3793.2	1888.3	48.5	20.67	20.67	50	8	77.4	165.4	1.1	12.14
29-Jul	36	21.18	2.69	0.06	5.1	2810.8	1301.8	54.8	20.78	20.78	50	8	57.4	165.0	1.3	13.98
5-Aug	43	21.03	2.39	0.13	3.9	2914.1	341.3	43.5	20.55	20.55	50	8	58.9	161.8	1.4	15.78
12-Aug	50	21.33	2.43	0	3.9	2726.4	871.5	46.7	20.97	20.97	50	8	56.1	167.8	1.6	17.65
19-Aug	57	20.88	2.58	0	5.3	2004.2	2322.9	63.3	20.45	20.45	50	8	40.0	163.6	1.7	19.48
26-Aug	64	21.18	2.39	0	5.2	2219.7	789.6	65.2	20.78	20.78	50	8	45.1	166.2	1.9	21.33

Column 3 (Oxide + SCL) Normal test conditions					Leachate Assays (mg/L)						Feed Assays		Cu leached	Acid Consumed	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	L	ΔL	Cu (mg/L)	Acid (g/L)	g	g	kg	kg/t
2-Sep	71	12.08	2.46	0	5.7	2868.8	558.0	72.1	11.85	11.85	50	8	33.4	94.8	2.0	22.39
9-Sep	78	20.93	2.49	0.32	5.7	2288.6	829.5	72.9	20.50	20.50	125	7.60	44.4	149.2	2.2	24.05
16-Sep	85	18.68	2.16	0.98	6.2	2258.6	1519.0	80.2	18.20	18.20	95	15.31	39.4	260.7	2.4	26.95
23-Sep	92	21.13	1.85	0	6.2	2239.0	2622.8	87.8	20.44	20.44	70	15.47	44.3	316.2	2.7	30.48
30-Sep	99	24.25	2.03	0	6.3	1890.7	3400.1	95.5	23.39	23.39	66	15.15	42.7	354.4	3.1	34.43
8-Oct	107	26.95	1.93	0	6.2	1973.1	4287.8	99.9	25.92	25.92	82	15.27	49.0	395.9	3.5	38.84
14-Oct	113	18.43	1.9	0	7	1806	5340	101	17.63	17.63	117	15.13	29.8	266.7	3.8	41.81
21-Oct	120	21.73	2.0	0	7	1788	5995	113	20.70	20.70	111	14.93	34.7	309.1	4.1	45.26
28-Oct	127	21.73	1.9	0	7	1699	6569	121	20.60	20.60	110	15.09	32.7	310.8	4.4	48.72
4-Nov	134	21.93	1.9	0	9	1486	7624	129	20.74	20.74	115	14.98	28.4	310.7	4.7	52.18
11-Nov	141	22.98	1.7	2.2	8	1780	10412	170	21.62	21.62	99	14.95	36.4	276.4	5.0	55.26
18-Nov	148	23.53	2.0	0	8	1075	8903	145	22.07	22.07	92	15.25	21.7	336.6	5.3	59.02
25-Nov	155	19.28	1.8	0	8	990	9646	141	18.04	18.04	57	14.70	16.8	265.2	5.6	61.97
2-Dec	162	23.28	1.8	0	8	860	9509	150	21.72	21.72	53	15.40	17.5	334.6	5.9	65.70
9-Dec	169	22.83	1.6	0.2	8	742	10111	151	21.22	21.22	54	14.67	14.6	306.4	6.2	69.11
16-Dec	176	22.83	1.6	0	8	565	10839	159	21.15	21.15	50	14.67	10.9	310.3	6.5	72.57
23-Dec	183	23.03	1.6	0	8	449	10960	161	21.27	21.27	53	14.93	8.4	317.5	6.8	76.11
30-Dec	190	21.48	1.6	0	8	405	11543	169	19.76	19.76	49	15.15	7.0	299.4	7.1	79.45
6-Jan	197	22.98	1.6	0	8	318	12290	173	21.04	21.04	48	15.10	5.7	317.6	7.4	82.99
											45	16.00	0.0	0.0	7.4	82.99

COLUMN 4

Column 4 (Oxide + SCL) Enhanced test conditions					Leachate Assays (mg/L)						Feed Assays		Cu leached	Acid Consumed	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	L	ΔL	Cu (mg/L)	Acid (g/L)	g	g	kg	kg/t
1-Jul	1	10.05	3.19	0	23.8	23626.8	4357.8	134.2	9.30	9.30		11.0	219.8	102.4	0.7	8.23
2-Jul	2	14.15	3.19	0	17.3	19534.9	4057.2	111.7	13.25	3.95		11.0	77.1	43.4	0.8	8.73
3-Jul	3	18.00	3.28	0	13.6	16514.6	3998.1	92.7	17.00	3.75		11.0	61.9	41.2	0.8	9.21
4-Jul	4	22.00	3.19	0	11.2	16081.4	4172.0	76.5	20.91	3.91		11.0	62.9	43.0	0.8	9.70
5-Jul	5	26.05	3.20	0	8.5	12556.4	3863.5	63.4	24.90	3.99		11.0	50.1	43.9	0.9	10.21
6-Jul	6	30.75	3.15	0	7.5	11656.6	4157.5	58.9	29.46	4.55		11.0	53.1	50.1	0.9	10.78
7-Jul	7	34.90	3.17	0	4.9	8885.5	4152.1	44.3	33.61	4.15		11.0	36.9	45.7	1.0	11.31
8-Jul	8	38.65	3.12	0	5.2	9407.2	4200.2	46.5	37.18	3.57		11.0	33.6	39.3	1.0	11.76
9-Jul	9	4.35	3.14	0	1.5	5509.5	4959.9	30.3	4.22	4.22	50.0	11.0	23.1	46.4	1.1	12.29
10-Jul	10	8.65	2.94	0	1.4	5542.5	4772.8	29.4	8.39	4.17	50.0	11.0	22.9	45.9	1.1	12.82
11-Jul	11	12.30	2.84	0	1.2	5244.5	4528.2	27.5	11.95	3.56	50.0	11.0	18.5	39.1	1.2	13.27
12-Jul	12	16.80	2.89	0	1.6	6551.6	6274.7	33.2	16.30	4.35	50.0	11.0	28.3	47.8	1.2	13.82
13-Jul	13	20.90	2.87	0	1.5	6266.0	6034.7	32.4	20.28	3.98	50.0	11.0	24.7	43.8	1.2	14.33
14-Jul	14	24.95	2.96	0	2.3	8258.2	8318.9	46.3	24.22	3.94	50.0	11.0	32.3	43.3	1.3	14.82
15-Jul	15	28.60	2.81	0	1.7	6876.3	7113.8	37.1	27.79	3.57	50.0	11.0	24.4	39.3	1.3	15.28
22-Jul	22	29.70	2.95	0	1.0	4163.0	5442.9	25.9	28.91	28.91	50.0	11.0	118.9	318.0	1.6	18.94
29-Jul	29	30.05	2.29	0	1.0	3206.8	5369.9	27.2	29.23	29.23	50.0	11.0	92.3	321.5	2.0	22.64
5-Aug	36	29.95	2.05	0	1.3	2453.2	6043.2	34.0	29.07	29.07	50.0	11.0	69.9	319.7	2.3	26.31
12-Aug	43	30.50	2.05	0	2.3	1693.0	6763.0	45.5	29.51	29.51	50.0	11.0	48.5	324.6	2.6	30.05
19-Aug	50	22.65	2.3	0	3.6	1619.6	7020.4	57.6	21.92	21.92	50.0	11.0	34.4	241.1	2.9	32.82
26-Aug	57	30.45	2.14	0	3.3	1302.0	6749.1	58.8	29.43	29.43	50.0	11.0	36.8	323.7	3.2	36.55
2-Sep	64	31.05	2.17	0	3.3	1162.5	6406.0	62.3	30.03	30.03	50.0	11.0	33.4	330.3	3.5	40.35

Column 4 (Oxide + SCL) Enhanced test conditions					Leachate Assays (mg/L)						Feed Assays		Cu leached	Acid Consumed	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	L	ΔL	Cu (mg/L)	Acid (g/L)	g	g	kg	kg/t
9-Sep	71	30.55	2.18	0	3.3	860.2	6663.2	59.9	29.51	29.51	121	11.67	21.8	344.4	3.9	44.31
16-Sep	78	31.25	1.85	0	3.5	880.3	7985.9	68.2	29.96	29.96	87	14.89	23.8	446.2	4.3	49.44
23-Sep	85	30.80	1.54	0	3.7	860.0	8054.4	71.8	29.47	29.47	75	14.91	23.1	439.5	4.7	54.50
30-Sep	92	31.5	1.66	0.36	3.7	701.0	8638.5	78.8	30.05	30.05	74	15.55	18.8	456.4	5.2	59.75
8-Oct	100	38.25	1.45	1.18	3.7	621.8	9005.4	82.3	36.39	36.39	65	15.57	20.3	523.7	5.7	65.78
14-Oct	106	26.85	1.3	2.1	4	459	8961	80	25.48	25.48	69	15.39	9.9	339.7	6.1	69.69
21-Oct	113	28.05	1.5	2.0	5	438	9715	91	26.54	26.54	74	15.26	9.7	353.3	6.4	73.75
28-Oct	120	30.75	1.3	0.0	4	336	10410	93	29.01	29.01	77	15.17	7.5	440.1	6.8	78.82
4-Nov	127	30.55	1.5	2.8	6	267	10598	99	28.82	28.82	74	15.34	5.6	361.7	7.2	82.98
11-Nov	134	31.5	1.3	2.6	4	279	13152	122	29.63	29.63	82	15.57	5.8	385.2	7.6	87.41
14-Nov	137	13.90	1.6	3.5	4	195	10414	101	13.05	13.05	62	15.10	1.7	151.3	7.7	89.15
15-Nov	138	4.30	1.6	4.0	5	251	13035	123	4.03	4.03	60	15.17	0.8	45.0	7.8	89.67
16-Nov	139	4.50	1.5	===	4	168	10464	104	4.24	4.24	===	===	0.7	===	===	===
17-Nov	140	8.90	1.8	===	2	92	4292	49	8.67	8.67	===	===	0.8	===	===	===
18-Nov	141	1.40	1.9	===	1	41	1680	23	1.39	1.39	===	===	0.1	===	===	===
19-Nov	142	3.70	2.0	===	1	40	715	13	3.68	3.68	===	===	0.1	===	===	===
20-Nov	143	4.55	2.2	===	0	25	291	7	4.54	4.54	===	===	0.1	===	===	===
21-Nov	144	4.25	2.1	===	0	16	130	4	4.25	4.25	===	===	0.1	===	===	===
22-Nov	145	4.40	2.3	===	0	12	53	3	4.40	4.40	===	===	0.1	===	===	===
23-Nov	146	3.20	2.3	===	0	10	34	2	3.20	3.20	===	===	0.0	===	===	===
24-Nov	147	8.20	2.3	===	0	8	22	1	8.21	8.21	===	===	0.1	===	===	===
25-Nov	148	1.45	2.4	===	0	7	17	1	1.45	1.45	===	===	0.0	===	===	===
26-Nov	149	4.20	2.4	===	0	7	17	1	4.21	4.21	===	===	0.0	===	===	===

Column 4 (Oxide + SCL) Enhanced test conditions					Leachate Assays (mg/L)						Feed Assays		Cu leached	Acid Consumed	Cumulative	Gross
Date	Day	PLS (kg)	pH	Free Acid	Co	Cu	Fe	Mn	L	ΔL	Cu (mg/L)	Acid (g/L)	g	g	kg	kg/t
27-Nov	150	4.30	2.2	===	0	7	13	1	4.31	4.31	===	===	0.0	===	===	===
28-Nov	151	4.10	2.5	===	0	7	11	0	4.11	4.11	===	===	0.0	===	===	===
29-Nov	152	2.40	2.2	===	0	15	20	1	2.41	2.41	===	===	0.0	===	===	===

APPENDIX H -

Metallurgical Composite Analysis

Head Characterisation
Comp A - Supergene/Chalcocite

Project No.	1392A	**Sample**	Comp A - Supergene/Chalcocite
Project Name	Dianne Deposit - Sighter Testwork	**Date**	21/11/2022
Client	Revolver Resources	**Sign Off**	JT

Elemental ICP Scan

Ag	27	ppm
Al	1000	ppm
As	253	ppm
Ba	20	ppm
Be	<0.5	ppm
Bi	6	ppm
Ca	100	ppm
Cd	20	ppm
Co	499	ppm
Cr	12	ppm
Cu	14.9	%
Fe	36.7	%
Ga	<10	ppm
Hg	8	ppm
K	300	ppm
La	<10	ppm
Li	<10	ppm
Mg	< 100	ppm
Mn	72	ppm
Mo	17	ppm
Na	200	ppm
Ni	44	ppm
Pb	169	ppm
Sb	24	ppm
Sc	<1	ppm
Se	-	ppm
Sn	-	ppm
Sr	4	ppm
Te	-	ppm
Th	<20	ppm
Ti	100	ppm
Tl	10	ppm
U	<10	ppm
V	8	ppm
W	<10	ppm
Zn	7020	ppm
Zr	-	ppm
Cl-	30	ppm
F	<20	ppm

Gold and Silver Grades

Au	Fire Assay	0.31	g/t
Au (dupl.)	Fire Assay	0.30	g/t
Ag	ICP	26.6	g/t

Sulphur Speciation

Total Sulphur	48.50	%
Sulphide Sulphur	48.40	%
Sulphate Sulphur	0.09	%
Elemental Sulphur	0.00	%

Carbon Speciation

Total Carbon	0.11	%
Graphitic Carbon	0.00	%
Inorganic Carbon	0.04	%
Organic Carbon	0.07	%
Organic Graphitic Carbon	0.07	%

Specific Gravity

SG	3.976	

XRD - Mineralogical Analysis

Pyrite	75.5	%
Chalcopyrite	1.4	%
Djurleite	18.8	%
Quartz	3.7	%
Sphalerite	0.1	%
Muscovite	0.5	%
Clinochlore	<0.1	%
Kaolinite	<0.1	%

Head Characterisation
Comp B - Primary Sulphide

Project No.	1392A	**Sample**	Comp B - Primary Sulphide
Project Name	Dianne Deposit - Sighter Testwork	**Date**	6/07/2022
Client	Revolver Resources	**Sign Off**	JT

Elemental ICP Scan

Ag	41	ppm
Al	3400	ppm
As	221	ppm
Ba	10	ppm
Be	<0.5	ppm
Bi	42	ppm
Ca	100	ppm
Cd	240	ppm
Co	643	ppm
Cr	15	ppm
Cu	5.3	%
Fe	39.2	%
Ga	10	ppm
Hg	20	ppm
K	700	ppm
La	<10	ppm
Li	<10	ppm
Mg	500	ppm
Mn	83	ppm
Mo	13	ppm
Na	200	ppm
Ni	55	ppm
Pb	274	ppm
Sb	15	ppm
Sc	1	ppm
Se	-	ppm
Sn	-	ppm
Sr	2	ppm
Te	-	ppm
Th	<20	ppm
Ti	100	ppm
Tl	10	ppm
U	<10	ppm
V	42	ppm
W	10	ppm
Zn	7.1	%
Zr	-	ppm
Cl-	30	ppm
F	<20	ppm

Gold and Silver Grades

Au	Fire Assay	0.22	g/t
Au (dupl.)	Fire Assay	0.22	g/t
Ag	ICP	40.6	g/t

Sulphur Speciation

Total Sulphur	50.05	%
Sulphide Sulphur	49.85	%
Sulphate Sulphur	0.12	%
Elemental Sulphur	0.04	%

Carbon Speciation

Total Carbon	0.07	%
Graphitic Carbon	0.00	%
Inorganic Carbon	0.01	%
Organic Carbon	0.07	%
Organic Graphitic Carbon	0.06	%

Specific Gravity

SG	4.218	

XRD - Mineralogical Analysis

Pyrite	77.1	%
Chalcopyrite	16.5	%
Djurleite	0.0	%
Quartz	1.9	%
Sphalerite	1.8	%
Muscovite	1.8	%
Clinochlore	0.7	%
Kaolinite	0.2	%

Head Characterisation
Comp C - Oxide

Project No.	1392A	**Sample**	Comp C - Oxide
Project Name	Dianne Deposit - Sighter Testwork	**Date**	6/07/2022
Client	Revolver Resources	**Sign Off**	JT

Elemental ICP Scan

Ag	< 3	ppm
Al	4.4	%
As	< 63	ppm
Ba	426	ppm
Be	< 2	ppm
Bi	< 25	ppm
Ca	524	ppm
Cd	< 3	ppm
Co	12	ppm
Cr	31	ppm
Cu	0.7	%
Fe	2.8	%
Ga	< 63	ppm
Hg	< 2	ppm
K	1.8	%
La	37	ppm
Li	< 125	ppm
Mg	5530	ppm
Mn	291	ppm
Mo	< 7	ppm
Na	1.3	%
Ni	15	ppm
Pb	< 63	ppm
Sb	< 25	ppm
Sc	7	ppm
Se	-	ppm
Sn	-	ppm
Sr	90	ppm
Te	-	ppm
Th	< 250	ppm
Ti	2460	ppm
Tl	< 250	ppm
U	< 63	ppm
V	42	ppm
W	< 25	ppm
Zn	0.04	%
Zr	-	ppm
Cl-	< 100	ppm
F	390	ppm

Gold and Silver Grades

Au	Fire Assay	0.18	g/t
Au (dupl.)	Fire Assay	0.08	g/t
Ag	ICP	< 3	g/t

Sulphur Speciation

Total Sulphur	0.02	%
Sulphide Sulphur	0.02	%
Sulphate Sulphur	< 0.0125	%
Elemental Sulphur	< 0.01	%

Carbon Speciation

Total Carbon	0.08	%
Graphitic Carbon	< 0.001	%
Inorganic Carbon	< 0.001	%
Organic Carbon	< 0.001	%
Organic Graphitic Carbon	< 0.001	%

Specific Gravity

SG	2.748	

XRD - Mineralogical Analysis

Quartz	48.4	%
Muscovite-2M	23.1	%
Albite/anorthite	21.8	%
Clinochlore	3.7	%
Microcline	2.2	%
Anatase	0.6	%
Siderite	0.1	%
Calcite	0.1	%

APPENDIX I

Sample Composites for Column Leach Testing

Sample Summary and classification for composite Heap Leach column testwork (PPM Global, 2025)

Hole number	From	To	Length	Sample Number	Mineralisation Group	Oxidation	Cu (ppm)	Actual Sample weight (g) for MET	Fraction Split	Assigned Domain
21DMDD03	145.95	146.5	0.55	182117	PY-CPY-SPH	Primary	9.06	1.03	1/4	Main Zone Primary Ore
21DMDD03	146.5	147.3	0.8	182118	PY-CPY-SPH	Primary	4.49	1.86	1/4	Main Zone Primary Ore
21DMDD03	147.3	147.85	0.55	182120	PY-CPY-SPH	Primary	4.97	1.01	1/4	Main Zone Primary Ore
21DMDD03	147.85	148.45	0.6	182121	PY-CPY-SPH	Primary	13.4	1.17	1/4	Main Zone Primary Ore
21DMDD03	148.45	149.1	0.65	182122	PY-CPY-SPH	Primary	3.48	1.73	1/4	Main Zone Primary Ore
21DMDD03	149.1	149.5	0.4	182123	PY-CPY-SPH	Primary	8.01	1.04	1/4	Main Zone Primary Ore
21DMDD03	149.5	150	0.5	182124	PY-CPY-SPH	Primary	6.65	0.46	1/4	Main Zone Primary Ore
21DMDD03	150	150.5	0.5	182125	PY-CPY-SPH	Primary	5.67	1.49	1/4	Main Zone Primary Ore
21DMDD03	150.5	151	0.5	182126	PY-CPY-SPH	Primary	2.89	0.98	1/4	Main Zone Primary Ore
21DMDD03	151	151.5	0.5	182127	PY-CPY-SPH	Primary	1.54	1.79	1/4	Main Zone Primary Ore
21DMDD03	151.5	152	0.5	182128	PY-CPY-SPH	Primary	1.7	1.36	1/4	Main Zone Primary Ore
21DMDD03	152	152.5	0.5	182131	PY-CPY-SPH	Primary	1.55	1.29	1/4	Main Zone Primary Ore
21DMDD03	152.5	152.9	0.4	182133	PY-CPY-SPH	Primary	7.84	1.15	1/4	Main Zone Primary Ore
22DMDD08	161.4	161.6	0.2	182440	PY-CPY-SPH	Primary	4740	0.87	1/2	Main Zone Primary Ore
22DMDD08	161.6	162	0.4	182441	PY-CPY-SPH	Primary	17600	0.88	1/2	Main Zone Primary Ore
22DMDD08	162	162.18	0.18	182442	PY-CPY-SPH	Primary	17250	0.29	1/2	Main Zone Primary Ore
22DMDD08	162.18	163	0.82	182444	PY-CPY-SPH	Primary	1680	1.27	1/2	Main Zone Primary Ore
22DMDD09	96.55	97	0.45	182578	PY-Chalcocite	Transitional	244000	0.88	1/4	Main Zone Transitional Ore
22DMDD09	97	97.5	0.5	182579	PY-Chalcocite	Transitional	190000	1.82	1/4	Main Zone Transitional Ore
22DMDD09	97.5	98	0.5	182580	PY-Chalcocite	Transitional	164500	0.92	1/4	Main Zone Transitional Ore
22DMDD09	98	98.5	0.5	182581	PY-Chalcocite	Transitional	90400	1.51	1/4	Main Zone Transitional Ore
22DMDD09	98.5	99	0.5	182582	PY-Chalcocite	Transitional	76900	0.94	1/4	Main Zone Transitional Ore
22DMDD09	99	99.5	0.5	182583	PY-Chalcocite	Transitional	61000	1.01	1/4	Main Zone Transitional Ore
22DMDD09	99.5	100	0.5	182584	PY-Chalcocite	Transitional	63800	0.72	1/4	Main Zone Transitional Ore
22DMDD09	100	100.5	0.5	182585	PY-Chalcocite	Transitional	168500	2.42	1/4	Main Zone Transitional Ore

Appendix I – Sample Composites for Column Leach Testing

Hole number	From	To	Length	Sample Number	Mineralisation Group	Oxidation	Cu (ppm)	Actual Sample weight (g) for MET	Fraction Split	Assigned Domain
22DMDD09	100.5	101	0.5	182587	PY-Chalcocite	Transitional	111500	0.66	1/4	Main Zone Transitional Ore
22DMDD09	101	101.7	0.7	182588	PY-Chalcocite	Transitional	202000	1.63	1/4	Main Zone Transitional Ore
22DMDD09	16	17	1	182481	CUP (TRN-MAL)	Oxide	25100	2.6	1/2	Greenhills Oxide Ore
22DMDD09	17	18	1	182483	CUP (TRN-MAL)	Oxide	11550	3.49	1/2	Greenhills Oxide Ore
22DMDD09	18	19	1	182484	CUP (TRN-MAL)	Oxide	37200	2.37	1/2	Greenhills Oxide Ore
22DMDD09	19	20	1	182485	CUP (TRN-MAL)	Oxide	21800	3.37	1/2	Greenhills Oxide Ore
22DMDD09	20	21	1	182486	NCU-CUP	Oxide	8440	2.61	1/2	Greenhills Oxide Ore
22DMDD09	21	22	1	182487	NCU-CUP	Oxide	118500	2.85	1/2	Greenhills Oxide Ore
22DMDD09	22	23	1	182488	NCU-CUP	Oxide	69800	4.45	1/2	Greenhills Oxide Ore
22DMDD09	23	24	1	182490	CUP	Oxide	5340	3.05	1/2	Greenhills Oxide Ore
22DMDD09	24	25	1	182491	CUP	Oxide	1620	3.85	1/2	Greenhills Oxide Ore
22DMDD09	25	26	1	182492	CUP	Oxide	660	2.37	1/2	Greenhills Oxide Ore
22DMDD09	26	27	1	182493	CUP	Oxide	924	2.89	1/2	Greenhills Oxide Ore
22DMDD09	27	28	1	182494	CUP	Oxide	782	2.42	1/2	Greenhills Oxide Ore
22DMDD09	28	29	1	182495	CUP	Oxide	2770	1.49	1/2	Greenhills Oxide Ore
22DMDD09	29	30	1	182496	CUP	Oxide	3400	3.65	1/2	Greenhills Oxide Ore
22DMDD09	30	31	1	182497	CUP	Oxide	6300	4.12	1/2	Greenhills Oxide Ore
22DMDD09	31	32	1	182498	CUP	Oxide	8470	2.4	1/2	Greenhills Oxide Ore
22DMDD09	32	33	1	182499	CUP	Oxide	1040	4.83	1/2	Greenhills Oxide Ore
22DMDD09	33	34	1	182500	CUP	Oxide	2050	3.18	1/2	Greenhills Oxide Ore
22DMDD09	34	35	1	182501	CUP	Oxide	5780	3.63	1/2	Greenhills Oxide Ore
22DMDD09	35	36	1	182502	CUP	Oxide	33800	3.31	1/2	Greenhills Oxide Ore
22DMDD09	36	37	1	182503	NCU-CUP	Oxide	58000	3.71	1/2	Greenhills Oxide Ore
22DMDD09	37	38	1	182504	CUP (TNR-MAL)	Oxide	16800	4.08	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	38	39	1	182505	CUP (TNR-MAL)	Oxide	5130	4.01	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	39	40	1	182506	CUP (TNR-MAL)	Oxide	4410	4.2	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	40	41	1	182507	CUP (TNR-MAL)	Oxide	5540	3.97	1/2	Greenhills Supergene Mineralised Ore

Appendix I – Sample Composites for Column Leach Testing

Hole number	From	To	Length	Sample Number	Mineralisation Group	Oxidation	Cu (ppm)	Actual Sample weight (g) for MET	Fraction Split	Assigned Domain
22DMDD09	41	42	1	182508	CUP (TNR-MAL)	Oxide	4920	3.93	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	42	43	1	182509	CUP (TNR-MAL)	Oxide	3320	3.73	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	43	44	1	182510	CUP (TNR-MAL)	Oxide	4130	3.68	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	44	45	1	182512	CUP (TNR-MAL)	Oxide	2840	3.5	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	45	46	1	182513	CUP (TNR-MAL)	Oxide	3770	3.46	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	46	47	1	182514	CUP (TNR-MAL)	Oxide	2260	3.9	1/2	Greenhills Supergene Mineralised Ore
22DMDD09	47	48	1	182515	CUP (TNR-MAL)	Oxide	1815	3.86	1/2	Greenhills Supergene Unmineralised Waste
22DMDD09	48	49	1	182516	CUP (TNR-MAL)	Oxide	30500	4.48	1/2	Greenhills Oxide Ore
22DMDD09	49	50	1	182517	CUP (TNR-MAL)	Oxide	6320	3.7	1/2	Greenhills Oxide Ore
22DMDD09	50	51	1	182518	CUP (TNR-MAL)	Oxide	4910	3.75	1/2	Greenhills Oxide Ore
22DMDD09	51	52	1	182519	CUP (TNR-MAL)	Oxide	8850	3.54	1/2	Greenhills Oxide Ore
22DMDD09	52	53	1	182520	CUP (TNR-MAL)	Oxide	3990	3.48	1/2	Greenhills Oxide Ore
22DMDD09	53	54	1	182521	CUP (TNR-MAL)	Oxide	8640	3.84	1/2	Greenhills Oxide Ore
22DMDD09	54	55	1	182522	CUP (TNR-MAL)	Oxide	19200	3.69	1/2	Greenhills Oxide Ore
22DMDD09	55	56	1	182523	CUP (TNR-MAL)	Oxide	9220	4.13	1/2	Greenhills Oxide Ore
22DMDD09	56	57	1	182524	CC	Transitional	5420	3.38	1/2	Greenhills Transition Mineralised Ore
22DMDD09	57	58.2	1.2	182527	CC	Transitional	12400	4.01	1/2	Greenhills Transition Mineralised Ore
22DMDD09	58.2	59	0.8	182529	CC	Transitional	4910	2.31	1/2	Greenhills Transition Mineralised Ore
22DMDD09	59	60	1	182530	CC	Transitional	3940	3.62	1/2	Greenhills Transition Mineralised Ore
22DMDD09	60	61	1	182531	CC	Transitional	3860	2.8	1/2	Greenhills Transition Mineralised Ore
22DMDD09	61	62	1	182533	CC	Transitional	2040	3.01	1/2	Greenhills Transition Mineralised Ore
22DMDD09	62	63	1	182534	CC	Transitional	2100	3.5	1/2	Greenhills Transition Mineralised Ore
21DMDD01	22	23	1	181928	CUP (CC)	Oxide	3580	3.51	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	23	23.5	0.5	181929	CUP (CC)	Oxide	6170	1.53	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	23.5	24	0.5	181930	CUP (CC)	Oxide	6150	1.91	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	24	24.5	0.5	181931	CUP (CC)	Oxide	8110	1.72	1/2	Greenhills Supergene Mineralised Ore

Appendix I – Sample Composites for Column Leach Testing

Hole number	From	To	Length	Sample Number	Mineralisation Group	Oxidation	Cu (ppm)	Actual Sample weight (g) for MET	Fraction Split	Assigned Domain
21DMDD01	24.5	25	0.5	181932	CUP (CC)	Oxide	12450	1.83	1/2	Greenhills Oxide Ore
21DMDD01	25	25.5	0.5	181933	CUP (CC)	Oxide	10500	1.7	1/2	Greenhills Oxide Ore
21DMDD01	25.5	26	0.5	181934	CUP (CC)	Oxide	7510	1.76	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	26	27	1	181935	CUP (CC)	Oxide	1305	4.02	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	27	28	1	181936	CUP (CC)	Oxide	667	2.85	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	28	28.3	0.3	181937	NCU-CC	Oxide	8830	1.24	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	28.3	29	0.7	181938	NCU-CC	Oxide	690	1.86	1/4	Greenhills Supergene Unmineralised Waste
21DMDD01	29	30	1	181941	NCU-CC	Oxide	507	3.34	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	30	31	1	181942	NCU-CC	Oxide	102	3.81	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	31	31.5	0.5	181943	NCU-CC	Oxide	2570	1.69	1/2	Greenhills Oxide Ore
21DMDD01	31.5	32	0.5	181944	NCU-CC	Oxide	3420	2.2	1/2	Greenhills Oxide Ore
21DMDD01	32	32.5	0.5	181945	NCU-CC	Oxide	3890	1.57	1/2	Greenhills Oxide Ore
21DMDD01	32.5	33	.05	181946	NCU-CC	Oxide	2190	1.58	1/2	Greenhills Oxide Ore
21DMDD01	33	33.6	0.6	181947	NCU-CC	Oxide	10750	1.81	1/2	Greenhills Oxide Ore
21DMDD01	33.6	34	0.4	181949	NCU-CC	Oxide	5550	1.31	1/2	Greenhills Oxide Ore
21DMDD01	34	35	1	181951	NCU-CC	Oxide	361	3.11	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	35	36	1	181952	NCU-CC	Oxide	64	3.78	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	36	36.5	0.5	181953	NCU-CC	Oxide	573	1.52	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	36.5	37	0.5	181954	NCU-CC	Oxide	1450	1.82	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	37	38	1	181955	NCU-CC	Oxide	608	3.75	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	38	39	1	181956	CUP (CC)	Oxide	4780	2.66	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	39	40	1	181957	CUP (CC)	Oxide	4170	3.81	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	40	41	1	181958	CUP (CC)	Oxide	3890	4.08	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	41	42	1	181959	CUP (CC)	Oxide	7050	2.93	1/2	Greenhills Supergene Mineralised Ore

Appendix I – Sample Composites for Column Leach Testing

Hole number	From	To	Length	Sample Number	Mineralisation Group	Oxidation	Cu (ppm)	Actual Sample weight (g) for MET	Fraction Split	Assigned Domain
21DMDD01	42	43	1	181961	CUP (CC)	Oxide	4730	3.19	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	43	43.5	0.5	181962	CUP (CC)	Oxide	5790	1.91	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	43.5	44	0.5	181963	CUP (CC)	Oxide	9720	1.92	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	44	44.4	0.4	181964	CUP (CC)	Oxide	4570	1.36	1/2	Greenhills Supergene Mineralised Ore
21DMDD01	44.4	45	0.6	181965	CUP (CC)	Oxide	1420	2.38	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	45	46	1	181968	CUP (CC)	Oxide	1595	3.62	1/2	Greenhills Supergene Unmineralised Waste
21DMDD01	46	47	1	181969	CUP (CC)	Oxide	15100	3.86	1/2	Greenhills Oxide Ore
21DMDD01	47	47.85	0.85	181970	CUP (CC)	Oxide	18650	2.53	1/2	Greenhills Oxide Ore
21DMDD01	47.85	48.8	0.95	181971	CUP (CC)	Oxide	9190	3.13	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	0	1	1	181999	CUP (TNR-MAL)	Oxide	4950	3.27	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	1	2	1	182000	CUP (TNR-MAL)	Oxide	9860	2.96	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	2	3	1	182002	CUP (TNR-MAL)	Oxide	9330	3.3	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	3	4	1	182003	CUP (TNR-MAL)	Oxide	7510	2.75	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	4	5	1	182004	CUP (TNR-MAL)	Oxide	8330	2.73	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	5	6	1	182005	CUP (TNR-MAL)	Oxide	7800	2.2	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	6	7	1	182006	CUP (TNR-MAL)	Oxide	5880	2.83	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	7	8	1	182007	CUP (TNR-MAL)	Oxide	4100	2.98	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	8	9	1	182008	CUP (TNR-MAL)	Oxide	3160	2.53	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	9	10	1	182010	CUP (TNR-MAL)	Oxide	2810	3.04	1/2	Greenhills Oxide Ore
21DMDD02	10	11	1	182011	CUP (TNR-MAL)	Oxide	4420	3.06	1/2	Greenhills Oxide Ore
21DMDD02	11	12	1	182012	AZU-MAL-TNR	Oxide	4060	2.2	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	12	13	1	182013	AZU-MAL-TNR	Oxide	5600	3.14	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	13	13.7	0.7	182014	AZU-MAL-TNR	Oxide	14200	1.97	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	13.7	14.1	0.4	182015	CUP (TNR-MAL)	Oxide	22900	1.46	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	14.1	15.15	1.05	182016	CUP (TNR-MAL)	Oxide	17950	3.7	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	15.15	15.7	0.55	182017	CUP (TNR-MAL)	Oxide	32600	0.85	1/2	Greenhills Supergene Mineralised Ore

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Hole number	From	To	Length	Sample Number	Mineralisation Group	Oxidation	Cu (ppm)	Actual Sample weight (g) for MET	Fraction Split	Assigned Domain
21DMDD02	15.7	17	1.3	182018	AZU-MAL-TNR	Oxide	10700	3.3	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	17	18	1	182019	AZU-MAL-TNR	Oxide	3120	3.03	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	18	19	1	182022	CUP (TNR-MAL)	Oxide	3240	3.49	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	19	20	1	182023	CUP (TNR-MAL)	Oxide	2630	2.76	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	20	21	1	182024	CUP (TNR-MAL)	Oxide	2610	3.1	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	21	22	1	182025	CUP (TNR-MAL)	Oxide	3710	3.13	1/2	Greenhills Oxide Ore
21DMDD02	22	23	1	182026	CUP (TNR-MAL)	Oxide	6770	3.11	1/2	Greenhills Oxide Ore
21DMDD02	23	24	1	182027	CUP (TNR-MAL)	Oxide	7240	3.37	1/2	Greenhills Oxide Ore
21DMDD02	24	25	1	182029	CUP (TNR-MAL)	Oxide	6910	3.05	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	25	26	1	182030	CUP (TNR-MAL)	Oxide	5960	3.06	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	26	27	1	182031	CUP (TNR-MAL)	Oxide	11850	3.12	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	27	27.7	0.7	182032	CUP (TNR-MAL)	Oxide	13700	2.32	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	27.7	28	0.3	182033	CUP (TNR-MAL)	Oxide	30900	0.7	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	28	29	1	182032	CUP (TNR-MAL)	Oxide	9940	3.06	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	29	30	1	182035	CUP (TNR-MAL)	Oxide	6450	2.42	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	30	31	1	182036	CUP (TNR-MAL)	Oxide	13000	3.52	1/2	Greenhills Oxide Ore
21DMDD02	31	31.6	0.6	182039	CUP (TNR-MAL)	Oxide	14150	1.83	1/2	Greenhills Oxide Ore
21DMDD02	31.6	32.3	0.7	182040	CUP (TNR-MAL)	Oxide	19550	1.93	1/2	Greenhills Oxide Ore
21DMDD02	32.3	32.6	0.3	182041	CUP (TNR-MAL)	Oxide	8660	1.13	1/2	Greenhills Oxide Ore
21DMDD02	32.6	33	0.4	182042	CC-MAL	Oxide	11100	1.03	1/2	Greenhills Oxide Ore
21DMDD02	33	34.3	1.3	182043	CC-MAL	Oxide	9830	4.02	1/2	Greenhills Oxide Ore
21DMDD02	34.3	34.8	0.5	182044	CC-MAL	Oxide	27100	1.4	1/2	Greenhills Oxide Ore
21DMDD02	34.8	36	1.2	182045	CC-MAL	Oxide	9620	3.52	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	36	37	1	182046	CC-MAL	Oxide	7360	2.97	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	37	38	1	182047	CC-MAL	Oxide	11120	3.18	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	38	38.7	0.7	182048	CC-MAL	Oxide	26700	2.6	1/2	Greenhills Oxide Ore
21DMDD02	38.7	40	1.3	182050	CUP (CC)	Oxide	25200	3.61	1/2	Greenhills Oxide Ore

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Hole number	From	To	Length	Sample Number	Mineralisation Group	Oxidation	Cu (ppm)	Actual Sample weight (g) for MET	Fraction Split	Assigned Domain
21DMDD02	40	41	1	182052	CUP (CC)	Oxide	13000	2.8	1/2	Greenhills Oxide Ore
21DMDD02	41	42.8	1.8	182053	CUP (CC)	Oxide	22000	3.11	1/2	Greenhills Oxide Ore
21DMDD02	42.8	43.6	0.8	182055	CUP	Oxide	12550	1.77	1/2	Greenhills Oxide Ore
21DMDD02	43.6	44.1	0.5	182056	CUP	Oxide	14250	2.23	1/2	Greenhills Oxide Ore
21DMDD02	44.1	45	0.9	182057	CUP	Oxide	7250	2.9	1/2	Greenhills Supergene Mineralised Ore
21DMDD02	45	46	1	182058	CUP	Oxide	2550	2.41	1/2	Greenhills Supergene Mineralised Ore
23DMDD21	61.4	62	0.6	177069	CC-NCU	Oxide	5490	2.62	1/2	Main Zone Oxide Ore
23DMDD21	62	62.9	0.9	177070	CC-NCU	Oxide	8540	1.61	1/2	Main Zone Oxide Ore
23DMDD21	62.9	63.4	0.5	177071	CC-NCU	Oxide	13350	0.8	1/2	Main Zone Oxide Ore
23DMDD21	63.4	64.2	0.8	177072	CC-NCU	Oxide	16600	1.92	1/2	Main Zone Oxide Ore
23DMDD21	64.2	65	0.8	177073	CC-NCU	Oxide	19300	2.13	1/2	Main Zone Oxide Ore
23DMDD21	65	65.6	0.6	177074	CC-NCU	Oxide	8880	2.03	1/2	Main Zone Oxide Ore
23DMDD21	65.6	66.5	0.9	177076	CC-NCU	Oxide	7120	2.19	1/2	Main Zone Oxide Ore
23DMDD21	66.5	67	0.5	177077	CC-NCU	Oxide	14100	1.34	1/2	Main Zone Oxide Ore
23DMDD21	67	67.5	0.5	177078	CC-NCU	Oxide	12650	1.57	1/2	Main Zone Oxide Ore
23DMDD21	67.5	68	0.5	177079	CC-NCU	Oxide	26200	1.51	1/2	Main Zone Oxide Ore
23DMDD21	68	68.4	0.4	177080	CC-NCU	Oxide	46700	0.72	1/2	Main Zone Oxide Ore
23DMDD21	68.4	69	0.6	177081	CC-NCU	Oxide	31600	0.71	1/2	Main Zone Oxide Ore
23DMDD21	69	69.5	0.5	177084	CC-NCU	Oxide	22100	1.55	1/2	Main Zone Oxide Ore
23DMDD21	69.5	70	0.5	177085	CC-NCU	Oxide	24800	1.59	1/2	Main Zone Oxide Ore
23DMDD21	70	70.5	0.5	177086	CC-NCU	Oxide	36600	2.3	1/2	Main Zone Oxide Ore
23DMDD21	70.5	70.9	0.4	177087	CC-NCU	Oxide	28400	0.86	1/2	Main Zone Oxide Ore
23DMDD21	70.9	71.5	0.6	177088	CC-NCU	Oxide	71100	1.69	1/2	Main Zone Oxide Ore
23DMDD21	71.5	72	0.5	177089	CC-NCU	Oxide	34600	1.53	1/2	Main Zone Oxide Ore
23DMDD21	72	72.5	0.5	177090	CC-NCU	Oxide	35200	1.64	1/2	Main Zone Oxide Ore

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