Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Pa	REGOLITH UNITS	COLOUR	GRAIN SIZE	FABRIC TYPE			LITHOLOGY- Unconsolidated s	sediments			LITHOLOGY-	Intense regolith overprints only	
Part		(Include one Intensity and up to two Hues)	a not visible	e in 10x lense			ETTTOCOOT - OTTOTTSOTIGATED S						
The content	_	*			•		RS		ed TL				
Part						unknown			ith lithic fragments				
1	·		c 2.0- 4.0 n	nm	v Very weak	<10% recrystallisation		residual soil, s	andy				
Part			vc >4.0 mm	1									
Martin	· ·	br Brown (Umber)		1	s Strong	60- 90% recrystallisat	ion	·					Solution cavity- Collapse Breccia Fill
Mark	Lotoritio				i Intense	>90% recrysallisation							
1					Type				,				Saprolitic clays**
# March 1					••	ric, undiff.)				**			
Part		1			,	. ,				•			LOGGING
The content of the	LL Lower saprolite, moderately weathered	or Orange			sc ShearFabric (Simple	shear fabric)	TSD	Desert dunes			**NB: Regolith is de	efined as the weathering overprint on lithology.	CODES
Part		9					TSE	Eolian sands			Where weathering i	is intense and precursor destroyed use "LC" in Litholog	gy as a last resort. MASTER
Part	LV Very weakly weathered rock												
Mary Control													
	LITTIOLOGY FULL FULL		As death Field					1	Illiano C. Barta			O. Francisco Barda	
Property of the content of the con		ndifferentiated		ferentiated		undifferentiated				undifferentiated			ents
Property of the content of the con													
Part			IV Andesitic volcanics, und	differentiated			. undifferentiated				C chemical sed	. undifferentiated S	Clastic sediment, undifferentiated
March Marc	·	GR Granite	IVL Lava, uno	differentiated	·								•
March Marc	· ·										СН	Chert SC	
Mary	FVLA Lava, amygdaloidal	GM Monzonite	IVA Agglome	rate, pyroclastic breccia	MON Norite	MVTV	Tholeiitic lava, vesicular	UPX*	Pyroxenite	UKXF Fine grained feathery texture (A2 zone)			SCB Conglomerate, cif cobble dominated
Mary State Mary Mary State Mary State Mary	FVA Agglomerate, pyroclastic br			. ,				pillow breccia UPO*	Wehr-; Hartzburg-; Lherz				
Mile						M√TT	i noieiitic tuff, ash fall	UPH	Horneblendite				
Mary	FVT* Tuff, crystal * = phenocrysts	,	IVTC Tuff, cher	rty	MOGZ Monzo Gabbro	MVK Komatiitic bas	alt undiff.			oste UKCO Orthocumulate olivine		SA	Sandstone, undifferentiated
Min						WARA	Komatiitic basalt pyrovona c=:-:f	l ex					
Mary Section Process		ysts				MVKV	Komatiitic basalt, variolic textured	ı				•	SAL Lithic rock, undifferentiated
Weak Section	FVTI Ignimbrite, composite pyrod	clastic flow					actinolite- chlorite schist after hi n	nag basalt		UKCS Sulphide cumulate	<u>.</u>	Darlo Live Country	•
Mary			(* phenocrystic phases	as per telsic field)	(* I= Ieuco, s= meso, m= melano- o	ratic)				Metamorphic equivalents (low CO2, inc. MnO)			
Process Proc		, , , , , , , , , , , , , , , , , , , ,								UKAC Tremolite-Chlorite rock		CIC Carbonate iron formation	(*f, i, m, u, I: felsic, intermediate, mafic, ultramafic, lithic undiff.)
Mary 1		FP Felsic vs grained (pagestite)											
Fig. Control principle	-									OKS Serpentimite			
Part													
Part											Clastic Sedim	nents, Organic SH	
Part	·		,, ,							UKTS Talc- Serp rock	so	sediments, organic	SHB Black Shale
Part										•			
Part										Taic-Dolonite fock			
Marie Mari								↓					SHC Calcite Bearing Shale
Part		Use the COMMENTS column to note ac	ual percentage of veining and mine	ralisation, note anything	Inusual, excessive water flows, drilling pro-	lems					SB	Sedimentary breccia	SHD Dolomite Bearing Shale
Marie Mari		geological contacts etc. NB. If a particula	r rock does not fit easily into the Lit	hology codes or there are	some unusual features about the rock, as	ign the closest code and						sw	Greywacke, undifferentiated
Manual		add suffix "&" to denote that extra comm	ents are recorded in the COMMENT	TS column. You then mus	st use COMMENTS to describe the unusua	features of the rock.							
Mary			•								5,452		
March Marc			хк				Carbonatita						
Mark Park										u			
Minima	XGRC* Charnokite	XMG hb-fs-gn rock		XKHA	Hornfelsed Arenite			ZPO	Pyrrhotite				
Marie	XGR# # = o (opx), c (cpx), gn (gar	rnet) XMHG hb-gn rock											
Mark Sale Control Sale Sale Control Sale Sale Control													
Mode				XKPG	Pyroxene Garnet	Tectonites	for the service						
Marke Control Cont			xcs		Calc silicate rocks	YF YM							
Marke Control Marke Co	XGNG* Granitic Gneiss	XSQF*# quartz-feldspar- *- #			•••	YMQ	Quartz Mylonite	_3.					
Part								Voide core la	oss and culture				
## Pammin	XGNM* Migmatite	(*= c chlorite, b biotite, m muscovite, s s				THIS	_sara r olaopai myloriito						
Parminia	* = a augen, b biotite, gn garnet, h horneb		hn horneblende,										
Part		a andalucite, k kyanite)	XP		Psammite	Veining (where 100%	6 of interval)						
WEINING Common variable part of the Regolath codes, as listed below) Control by the value mass. assemblage, volume Part of the value mass of the standard leaves with the restrict of the value mass of the standard leaves with the restrict of the value of the plantage of the plan			XPE		Psammo- Pelite	V	Veining						
Semiplication for the Regolith codes, as isseed ablows Semiplication for the Regolith codes, as isseed and texture, as isseed in the attached where 1 Weak 2 Modernia 3 Since 6 P Signific 1 Signific 2 Modernia 3 Since 6 P Signific 3 Since 6 P Si	WEATHERING	VEINING	XE	ALTERATION			•	multiple events.	MINERALISATION	Described by the mineral and % of that mineral in rock: 3	minerals max.		
Described by the viel min. assemblage, volume and leasure, as lifed the at batched whether blank of the standard short. 1									MINERALISATION		minerais max.		
4 Moderately Oxidated Common win assemblager (Challe and Higginewille) include: 2 Very slightly Oxidated q quartz prifie quartz prifie quartz prifie profit (Park Republic Prified) (Park Republic Pri	-	Described by the vein min. assemblag					ep		Mineral		0	g good q	uality sample
3 Signify Oudsided q quartz activities quartz ac	F Outstand		neet.				ti sr		car pi		Gossanous		
1 Unoxidised op quartz pyrite op quartz pyrite op quartz pyrite op quartz arbite arsenopyrite op quartz keldspart (legolith related) se professional (regolith related) se professio			Higginsville) include:				tm	Tremolite		Uraninite mas			
of Fresh easy counts ablite assembly of the service	4 Moderately Oxidised 3 Slightly Oxidised	Common vein assemblages (Chalice and q quartz	l Higginsville) include:					Magnesite	I cof	Coffinite Magmatic mtx	Matrix (40- 80%, mag	gmatic) WATER RETURN - RC and Aircore Drillin	α
qx quartz axidirle quarts telepart disposed by the Hematite (regolith related) se Sericite quart feldpart disposed by the Hematite (regolith related) se Sericite quartz feldpart disposed by the Hematite (regolith related) se Sericite provided provided provided quartz feldpart disposed by quartz feldpart plottle quart	4 Moderately Oxidised 3 Slightly Oxidised 2 Very slightly Oxidised	Common vein assemblages (Chalice an q quartz qc quartz calcite	l Higginsville) include:	Type					2::			matic)	
did quartz feldpaar diopside fine Hematitie (regolith related) fine Hematitie (regolith related	4 Moderately Oxidised 3 Slightly Oxidised 2 Very slightly Oxidised 1 Unoxidised	Common vein assemblages (Chalice an q quartz qc quartz calcite qp quartz pyrite	l Higginsville) include:	Туре	rhp Hardpan	hb Hornblende	rg	Rodingite	au	Gold " ds	Disser (5- 40%, magr		mple
qf quartz feldsapar q mm Manganese (regolith related) mu Muscovite po Pyrrhotite gn Galena vs Vein selvedge only quartz feldpart biotite rec calcite recolating from the Carbonate (regolith related) ph Biotite as Arsenopyrite pn Pentlandite pn Pyrhotite lam Laminated/banded Precentage: volume as logged risk as a Assence of the Carbonate (regolith related) pn Pyrhotite lam Laminated panded pn Pyrhotite lam Laminated pn Pyrhotite pn Pyrhotite lam Laminated pn Pyrhotite lam Laminated pn Pyrhotite pn Pyrhot	4 Moderately Oxidised 3 Slightly Oxidised 2 Very slightly Oxidised 1 Unoxidised	Common vein assemblages (Chalice an q quartz quartz que quartz calcite qp quartz pyrite qa quartz albite arsenopyrite qa quartz albite arsenopyrite	l Higginsville) include:	Туре	rfe Iron (undiff, regolith related)	hb Hornblende sh Sphene/ Titan	rg ite su	Rodingite Saussurite	au sf py	Gold "ds Oxidised sulphide, undifferentiated "cld Pyrite vn	Disser (5- 40%, magna Cloud (1-5%, magma Vein	atic) m Damp S w Wet Sa	mple Sample Imple
cc calcite Percentage: volume as logged rja Jarosite (regolith related) ph Phlogopite mo Molybdenite pp O Pyrrhotite lam Laminated/banded % As logged, in increments of 10 Texture rias massive rias massive lam laminated he Hematite cc Calcite Iam laminated he Hematite cc Calcite coc cockade go Goethite ak Akmerite go Goethite mg Magnetite do Dolomite shar shear crx cryptorystalline	4 Moderately Oxidised 3 Slightly Oxidised 2 Very slightly Oxidised 1 Unoxidised	Common vein assemblages (Chalice an q quartz qc quartz calcite qp quartz pyrite qa quartz albite qaa quartz albite arsenopyrite qx quartz alvitie qx quartz alvitie	Higginsville) include:	Туре	rfe Iron (undiff, regolith related) rgo Goethite (regolith related)	hb Hornblende sh Sphene/ Titan se Sericite	rg ite su fu	Rodingite Saussurite Fuchsite	au sf py cp	Gold 'ds Oxidised sulphide, undifferentiated 'cld Pyrite vn Chalcopyrite st	Disser (5- 40%, magr Cloud (1-5%, magma Vein Stringer/ stockwork	atic) m Damp S w Wet Sa	mple Sample Imple
Percentage: volume as logged rja Jarosite (regolith related) rka Kaolinite (regolith related) ka Kaolinite sp Sphalerite mo Molybdenite bx Brecciated mas massive cb Carlotonate gn Galena ja Jarosite mo Molybdenite bx Brecciated lam laminated he Hematite cc Calcite coc cockade go Goethite ak Ankerite com comb mg Magnetite do Dolomite trace= 0.5%; shar shar crx cryptocrystalline	4 Moderately Oxidised 3 Slightly Oxidised 2 Very slightly Oxidised 1 Unoxidised	Common vein assemblages (Chalice an q quartz quartz alcite qp quartz pyrite qa quartz albite qaa quartz albite qaa quartz albite assenopyrite qx quartz axinite qfd quartz feldpar diopside qf quartz feldsapar	Higginsville) include:	Туре	rfe Iron (undiff, regolith related) rgo Goethite (regolith related) rhe Hematite (regolith related) rmr Manganese (regolith related)	hb Hornblende sh Sphene/Titan se Sericite ch Chlorite mu Muscovite	rg su fu py po	Rodingite Saussurite Fuchsite Pyrite Pyrrhotite	au sf py cp	Gold " ds Oxidised sulphide, undifferentiated " cld Pyrite vn Chalcopyrite st Spaleerite vr Galena vs	Disser (5- 40%, magner Cloud (1-5%, magner Vein Stringer/ stockwork Vein and selvedge Vein selvedge only	atic) m Damp S w Wet Sa f High W	mple Sample umple dater Flow
Texture rka Kaolinite (regolith related) ka Kaolinite sp Sphalerite mo Molybdenite bx Brecciated mas massive cb Carbonate gn Galena ja Janosite bx Brecciated lam laminated he Hematite cc Calcite coc cockade go Goethite ak Ankerite vI Violarite Percentage as logged >= 0.5%; com comb mg Magnetite do Dolomite bx Brecciated in mas place processed proces	4 Moderately Oxidised 3 Slightly Oxidised 2 Very slightly Oxidised 1 Unoxidised	Common vein assemblages (Chalice an q quartz quart calcite qp quartz albite qp quartz albite qaa quartz albite asenopyrite qx quartz albite arsenopyrite qx quartz axinite qrd quartz feldpar diopside qrd quartz feldpar qrdb quartz feldpar biotite	Higginsville) include:	Туре	rfe Iron (undiff, regolith related) rgo Goethite (regolith related) rhe Hematite (regolith related) rmr Manganese (regolith related) rsi Silica (regolith related)	hb Hornblende sh Sphene/ Titan se Sericite ch Chlorite mu Muscovite bi Biotite	rg su fu py po as	Rodingite Saussurite Fuchsite Pyrite Pyrrhotite Arsenopyrite	au sf py cp	Gold " ds Oxidised sulphide, undifferentiated " cld Pyrite vn Chalcopyrite st Sphalerite vr Galena vs Pentlandite rp	Disser (5- 40%, magra Cloud (1-5%, magma Vein Stringer/ stockwork Vein and selvedge Vein selvedge only Replacement	atic) m Damp 1 w Wet Sa f High W SAMPLE RECOVERY - RC and Aircore Dr	mple Sample imple Vater Flow
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coc cockade go Goethite ak Ankerite vI Violarite Percentage as logged >= 0.5%; com comb mg Magnetite do Dolomite bn Bornite trace= 0.2% shr shear crx cryptocrystalline And other minerals as per the standard list.	4 Moderately Oxidised 3 Slightly Oxidised 2 Very slightly Oxidised 1 Unoxidised	Common vein assemblages (Chalice an q quartz quartz alcite qp quartz albite qa quartz albite qa quartz albite qa quartz albite assembly quartz albite arsenopyrite qx quartz alsite arsenopyrite qf quartz feldpar diopside qf quartz feldpar properties quartz feldpar properties quartz feldpar properties quartz feldpar properties quartz feldpar biotite cc calcite percentage:	volume as logged	Туре	rfe Iron (undiff, regolith related) rgo Goethite (regolith related) rhe Hematite (regolith related) rmr Manganese (regolith related) rsi Silica (regolith related) rcb Carbonate (regolith related) rja Jarosite (regolith related)	hb Homblende sh Sphene/Titan se Sericite ch Chlorite mu Muscovite bi Biotite ph Phlogopite ka Kaolinite	rg su fu fu py po as mo cp sp	Rodingite Saussurite Fuchsite Pyrite Pyrrhotite Arsenopyrite Molydenite Chalcopyrite Sphalerite	au sf py cp	Gold	Disser (5- 40%, magna Cloud (1-5%, magna Vein Stringer/ stockwork Vein and selvedge Vein selvedge only Replacement Laminated/banded Remobilised Brecciated	atic) m Damp 1 w Wet Sa f High W SAMPLE RECOVERY - RC and Aircore Dr	mple Sample imple Vater Flow
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