

REGOLITH UNITS		COLOUR	GRAIN SIZE	FABRIC TYPE	LITHOLOGY- Unconsolidated sediments				LITHOLOGY- Intense regolith overprints only						
R	Surficial unconsolidated regolith	Intensity I Light (Pale) m Medium d Dark Hue:Colour bk Black br Brown bl Blue pu Purple rd Red pk Pink ye Yellow or Orange gn Green gy Grey wt White kh Khaki	a not visible in 10x lense vf <0.2 mm f 0.2- 0.5 mm m 0.5- 2.0mm c 2.0- 4.0 mm vc >4.0 mm	(Include both Intensity and type) Intensity n Massive r Relict fabric, strength unknown v Very weak <10% recrystallisation w Weak 10- 30% recrystallisation m Moderate 30- 60% recrystallisation s Strong 60- 90% recrystallisation i Intense >90% recrystallisation Type s Foliation (foliated fabric, undiff.) sh Schistosity (pure shear fabric) sc ShearFabric (Simple shear fabric) ln Lineated lm Laminated rc Recrystallised br Brecciated bd Bedding	RS	RSC	Soils, residual, undifferentiated	TL	Transported lacustrine sediments, undifferentiated	DC	Calcrete (only if 100% destruction of precursor)				
	T					residual units transported units	residual soil with lithic fragments residual soil, sandy residual soil, loam pisolithic loams over lateritic duricrust	TLE TLC TSL	Evaporitic sediments Clays Running sands	DS	Silcrete (only if 100% destruction of precursor)				
DF	Lateritic Duricrusts					RSS				DF	Ironstone, undifferentiated				
DO	ferruginous duricrusts other duricrusts					RSL				DG	Gossan				
	Lateritic weathering horizons					RSP									
LM	Mottled zone					TS	Transported clastic sediments, undiff.	TG	Gravels, undifferentiated	DLM	Lateritic duricrust, massive				
LP	Pallid zone						Colluvium - local (coarse)	TGQ	Gravels, predominantly quartz grit	DLX	Lateritic duricrust, fragmental				
LU	Upper saprolite, strongly weathered						Colluvium - sands	TGP	Gravel, pisolithic with clay, silt and sand	DLP*	Lateritic duricrust, pisollic- consolidated				
LL	Lower saprolite, moderately weathered						Colluvium - distal (fine clay and silt)	TGL	Gravel, with lithic fragments	DLN*	Lateritic duricrust, nodular - consolidated				
LW	Saprock, weakly weathered						Alluvium								
LV	Very weakly weathered rock						Desert dunes								
							Eolian sands								
										**NB: Regolith is defined as the weathering overprint on lithology. Where weathering is intense and precursor destroyed use "LC" in Lithology as a last resort.		LOGGING CODES MASTER			
LITHOLOGY- Felsic Field F acid rocks, undifferentiated			Andesitic Field I intermediate rock, undifferentiated		Mafic Rocks M Mafic undifferentiated		Ultramafic Rocks U Ultramafic undifferentiated			Sedimentary Rocks					
Felsic Volcanic Rocks FV Felsic volcanic, undifferentiated			Felsic Intrusive Rocks (med- c grained) G Granitoid, undifferentiated GR Granite GD Granodiorite GZ Monzodiorite GM Monzonite GS Syenite GT Tonalite GE Diorite		Mafic Intrusives MO Mafic intrusive, undifferentiated Mafic volcanics MV Mafic volcanic, undifferentiated MOD Dolerite MOG Gabbro MON Norite MOGN Gabbro Norite MOGQ Quartz Gabbro MOGG Granophyre MOGZ Monzo Gabbro MOT Troctolite MOA Anorthosite MOP Mafic pegmatite		Ultramafic Intrusives UP Ultramafic Intrusives, undifferentiated UPD Peridotite UPN* Dunite UPX* Pyroxenite UPO* Wehr-; Hartzburg-; Lherzo- UPH Hornblendite (* = o,c,w,n: opx,cpx,webst)			Ultramafic Volcanics UK Ultramafic volcanic, undifferentiated UKX Spinifex Textured, undifferentiated UKXC Chilled flow top breccia (A1 zone) UKXF Fine grained feathery texture (A2 zone) UKXB Coarse grained bladed texture (A3 zone) UKC Cumulate, undifferentiated UKCB B1 zone- aligned hopper olivine UKCO Orthocumulate olivine UKCM Mesocumulate olivine UKCA Adcumulate olivine UKCOS Olivine-sulphide cumulate UKCS Sulphide cumulate Metamorphic equivalents (low CO2, inc. MgO) UKAC Tremolite-Chlorite rock UKACS Trem-Chlor- Serp rock UKS Serpentine Metamorphic equivalents (high CO2, inc. MgO) UKTAC Talc-Trem-Chlorite(+/- Carb) rock UKTC Talc Chlorite UKTS Talc- Serp rock UKTM Talc-Magnesite rock UKTD Talc-Dolomite rock		C chemical sed., undifferentiated CH Chert CB Calcareous Rocks (>50% Carb), undifferentiated CBC Limestone CBD Dolomite CBM Marl CE Evaporitic rocks, undifferentiated CES Sulphates CEH Halides CI Banded iron formation, undiff. CIF Ferruginous iron formation CIC Carbonate iron formation CIS Sulphide iron formation CIJ Jasperitic iron formation CIA Amphibole iron formation Clastic Sediments, Organic SO sediments, organic SOL lignite SOS spongolite SOF fossiliferous sediments SB Sedimentary breccia ST Composite turbidite succession SA/SL Sub-metre scale interbedded sand/silt		S Clastic sediment, undifferentiated SC Conglomerate, undifferentiated SCP Conglomerate, polymictic SCB Conglomerate, cif cobble dominated SCT Conglomerate, glacial origin SCO* Oligomictic, clasts as below (*=gr.ap.ip.mo.av.iv.mv.uk.up.s,q as appropriate) SA Sandstone, undifferentiated SAQ Quartzite SAK Arkose SAL Lithic rock, undifferentiated SAC Calcite Bearing SAD Dolomite Bearing SAV* volcanioclastic sand, *provenance indicated below (*f, l, m, u, t: felsic, intermediate, mafic, ultramafic, lithic undiff.) SL Silt, undifferentiated SLC Calcite Bearing Silt SLD Dolomite Bearing Silt SLV* volcanioclastic silt, *provenance indicated below (*f, l, m, u, t: felsic, intermediate, mafic, ultramafic, lithic undiff.) SH Shales, undifferentiated SHB Black Shale SHS Sulphidic Shale SHSY Pyritic Sulphidic Shale SHSO Pyrrhotitic Black Shale SHC Calcite Bearing Shale SHD Dolomite Bearing Shale SW Greywacke, undifferentiated	
Felsic Intrusive Rocks (fine grained) FI* Felsic Intrusive, undifferentiated FIQ Quartz porphyry FIF Feldspar porphyry FIQF Quartz feldspar porphyry FIL Aplite (* phenocrystic phases as per felsic field)			Felsic, vc grained (pegmatite) FP FPG granitic FPGB *, lt bearing FPGM *, muscovite bearing FPLG *, lith minerals		Intermediate Intrusive Rocks Intermediate Intrusives, Undifferentiated IIH Hornblende porphyry IIF* Feldspar porphyry IIP Intermediate pegmatite (* phenocrystic phases as per felsic field)										