

# LITHOLOGY CODES

U	Ultramafic	V	Volcanic	F	Fragmental
				P	Pyroxenite
				K	Komatiite
				R	Peridotite
				D	Dunite
				—	Undivided
		I	Intrusive	P	Pyroxenite
				R	Lerzolite
				D	Dunite
				L	Lamprophyre
				C	Carbonatite
				K	Kimberlite
				—	Undivided
		—	Undivided		

M	Mafic	V	Volcanic	B	Basalt
				M	High-Mg Basalt
				F	Fragmental
				—	Undivided
		I	Intrusive	D	Dolerite
				G	Gabbro
				A	Anorthosite
				T	Troctolite
				H	Hornblendite
				—	Undivided
		—	Undivided		

I	Intermediate	V	Volcanic	L	Coherent lava
				S	Volcaniclastic undivided
				T	Tuff
				P	Lapilli Tuff
				X	Breccia
				—	Undivided
		I	Intrusive	—	Undivided
				O	Porphyry
				D	Diorite
				M	Monzodiorite, monzogabbro
		—	Undivided		

F	Felsic	V	Volcanic	L	Coherent lava
				S	Volcaniclastic undivided
				T	Tuff
				P	Lapilli Tuff
				X	Breccia
				—	Undivided
		I	Intrusive	G	Granitoid
				P	Pegmatite
				O	Porphyry
				S	Syeno, monz, alk fldsp gran
				D	Granodiorite
				M	Monzonite
				T	Tonalite, Trondhjemite
				—	Undivided
			Undivided		

S		Sedimentary		C	Conglomerate	P	Polymictic
						M	Monomictic
						—	Undivided
				B	BIF	S	Sulphide facies
						O	Oxide facies
						I	Silicate facies
						—	Undivided
				S	Sandstone		
				L	Siltstone		
				H	Shale		
				C	Chert		
				Q	Quartzite		

V	Vein
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A	Alkaline Rocks	IC	Carbonatite
		IK	Kimberlite
		IL	Lamprophyre
		IS	Syenite

T	Transported	C	Colluvium	C	Clay
				S	Sand
				G	Gravel
				L	Laterite
		A	Alluvium	C	Clay
				S	Sand
				G	Gravel
				L	Laterite
		E	Aeolian	C	Clay
				S	Sand
				G	Gravel
				L	Laterite
		L	Lacustrine	C	Clay
				S	Sand
				G	Gravel
				L	Laterite
		—	Undivided	C	Clay
				S	Sand
				G	Gravel
				L	Laterite

TEXTURES			
An	Anhedral	Ms	Massive
As	Asicular	Mg	Migmatitic
Bd	Bedded	Mt	Mottled
Bn	Banded	My	Mylonite
Bl	Blade	OI	Oolitic
Bx	Brecciated	Pk	Poikilitic
Bu	Boudinaged	Pl	Pillowed
Cg	Conglomerate	Py	Polynutic
Cm	Cumulus	Po	Porphyritic
Cl	Colloformed	Pc	Pyroclastic
Cb	Cross-Bedded	Pg	Pegmatitic
Cr	Crenulated	Pr	Prismatic
Cv	Cleaved	Rd	Radiating
Ds	Disseminated	Sc	Saccroidal
Eu	Euhedral	Ss	Schistose
Fl	Foliated	Sh	Sheared
Fs	Fissile	Sk	Slickensides
Dfr	Fractured	Sl	Slumping
Gr	Granular	SL	Spinel
Gb	Graded Bed	St	Slatey
Gn	Gneissic	Sp	Spherulitic
Gs	Gossanous	Sw	Stockwork
In	Indurated	Su	Subhedral
Ib	Interbedded	Sx	Spinifex
Ie	Inclusions	Tr	Translucent
Lm	Laminated	Tf	Tuffaceous
Lp	Lapilli	Vs	Vesicular
Lt	Lapilli Tuff	Vt	Vitric
Lx	Lapilli Breccia	Vx	Volcanic Breccia
Ly	Layered	Vc	Volcanoclastic
La	Lineated	Vg	Vuggy
Le	Lenticular	Xa	Xenolithic

GRAIN SIZE	
vfg	Very Fine Grained
fg	Fine Grained
mg	Medium Grained
cg	Coarse Grained
vcg	Very Coarse Grained

SAMPLE QUALITY	
D	Dry
M	Moist
W	Wet

COLOUR	
Bl	Blue
Bk	Black
Br	Brown
Cr	Cream
Gr	Green
Gy	Grey
Kh	Khaki
Or	Orange
Pk	Pink
Pp	Purple
Rd	Red
Wh	White
Ye	Yellow
L	Light
D	Dark

OXIDATION	
ox	completely oxidised
sox	strongly oxidised
mox	moderately oxidised
wox	weakly oxidised
fr	fresh

WEATHERING INDURATION	
b	Calcareous
f	Ferruginised
i	Ferruginised and Silicified
s	Silicified
m	Mottled

WEATHERING TYPE	
Lf	Laterite
Lc	Clay (Plasmic)
Lk	Clay Saprolite
Ls	Saprolite
Lr	Saprock
Lg	Gossan
Lo	Soil

VEIN TYPE	
Q	Quartz
Qcb	Quartz Carbonate
Qs	Quartz Sulphide
S	Sulphide
O	Oxide
C	Carbonate
E	Epidote
Cu	Copper

MINERALS			
Ac	Actinolite	Ka	Kaolin
Al	Albite	Ky	Kyanite
Am	Amphibole	Lp	Lepidolite
An	Andalusite	Lm	Limonite
Ap	Apatite	Ms	Magnesite
As	Arsenopyrite	Mt	Magnetite
Az	Azurite	Mc	Malachite
Ba	Barite	Ma	Marcasite
Bt	Biotite	Mi	Mica
Bo	Bornite	Mo	Molybdenite
Cb	Carbonate	Mu	Muscovite
Ca	Calcite	OI	Olivine
Ct	Cassiterite	Or	Orthoclase
Ce	Cerrusite	Pg	Paragonite
Ch	Chalcocite	Ph	Phlogopite
Cp	Chalcopyrite	Pl	Plagioclase
Cl	Chlorite	Py	Pyrite
Cr	Chromite	Pr	Pyrolusite
Cs	Chrysocolla	Px	Pyroxene
Cn	Cinnabar	Po	Pyrrhotite
Cy	Clay	Qz	Quartz
Cu	Copper	Qc	Quartz Carbonate
Cd	Cordierite	Ru	Rutile
Co	Corundum	Se	Sericite
Cv	Covellite	Sr	Serpentine
Cm	Cummingtonite	Sd	Siderite
Di	Diopside	Sl	Sillimanite
Ep	Epidote	Sm	Smectite
Fe	Ferruginous	Sp	Sphalerite
Fl	Flourite	Sh	Sphene
Fs	Fuchsite	St	Staurolite
Au	Gold	Sb	Stibnite
Gp	Graphite	Su	Sulphides
Gy	Gypsum	Tc	Talc
Ha	Halite	Tz	Topaz
Hm	Hematite	Tr	Tourmaline
Hb	Hornblende	Tm	Tremolite
Il	Illite	Wo	Wollastinite
Im	Ilmenite	Ze	Zeolite
Fk	K-Feldspar	Zr	Zircon
Ja	Jarosite		

ALTERATION TYPE	
Al	Albite
Bl	Bleached
Cb	Carbonation
Cs	Calc-Silicate
K	Potassic
Si	Siliceous
Mg	Magnesian
Na	Sodic
S	Sulphidation

ALTERATION INTENSITY	
P	Pervasive (>90%)
S	Strong (41-90%)
M	Moderate (21-40%)
W	Weak (1-20%)
T	Trace (<1%)