

**KENTOR MINERALS(NT) Pty.Ltd**  
**GEOLOGY LOGGING CODES - Page 1**

**LITHOLOGY**

Rock Type	Description	Lower Contact Gradation	
sst	Sandstone - undifferentiated	1 = very broadly dispersed boundary (>100cm dispersion)	
slst	Siltstone - undifferentiated	2 = broadly dispersed boundary (50 - 100cm dispersion)	
mdst	Mudstone - undifferentiated	3 = moderately dispersed boundary (20 - 50cm dispersion)	
sh	Shale	4 = dispersed boundary (<20cm dispersion)	
gr	Gravel	5 = distinct (abrupt contact)	
<b>INTERMEDIATE</b>			
I	Intermediate undifferentiated	<b>Lower Contact Style</b>	
Iv	Intermediate coherent undivided	P = Planar	
Ie	Intermediate extrusive	I = Irregular	
Ii	Intermediate intrusive	Bk = Broken	
It	Intermediate tuff	S = Stepped	
Il	Intermediate lapilli tuff	U = Undulating	
Ix	Intermediate breccia	G = Gradational	
If	Intermediate volcanoclastic, undivided	Con = Conformable	
Id	Diorite		
Im	Monzodiorite, monzogabbro	<b>Rock Colour</b>	<b>Texture Grain Size</b>
<b>MAFIC</b>		bu = blue	vfg = very fine grained
M	Mafic, undifferentiated	bk = black	fg = fine grained
Mb	Basalt	br = brown	mg = medium grained
Mbm	High Mg basalt	gn = green	cg = coarse grained
Mt	Mafic tuff	gy = grey	vfg = very coarse grained
Mf	Mafic fragmental	or = orange	var = variable
Mx	Mafic breccia	pk = pink	
Md	Dolerite	pp = purple	
Mg	Gabbro	rd = red	
Ma	Anorthosite	wh = white	
Mc	Trocolite	ye = yellow	
Mh	Hornblende	cr = cream	
<b>MISCELLANEOUS</b>		rd/br = red/brown	
Tc	Cataclasite	sgy = silver/grey	
Tx	Tectonic breccia	ltpk = light pink	
Tm	Mylonite	ltpu = light purple	
Hx	Hydrothermal breccia	ltrd = light red	
X	Unknown rock unit	ltye = light yellow	
ASch	Andalusite Schist	ltgy = light grey	
SptSch	Spotted Schist		
MSch	Meta - Schist	medgy = medium grey	
Qtz	Quartz	dkgy = dark gray	
FInt	Felsic Intrusive	wh/ltgy = white/light grey	
HmSch	Haematitic Schist	br/gy = brown/grey	
SilMSch	Siliceous meta-Schist	gy/red = grey/red	
Skarn	Skarn –Calc./Sil. - Carbonate rich		
Mar	Marble	<b>EXTRA</b>	
PsSch	PsammiticSchist	RC Precollar	
Psm	Psammite (massive)	Core Loss	
MicSch	Micaceous Schist		
ML	Mineralised Lode		
CsSch	Calc. Silicate Schist		

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**LITHOLOGY cont'd**

TEXTURE TYPE	Description	TEXTURE TYPE	Description
<b>REGOLITH</b>		<b>IGNEOUS cont'd</b>	
ble	bleached	xln	crystalline
el	cellular	vfr	volcanic fragments
con	concretionary	ves	vesicular
ear	earthy	var	variolitic
frg	fragmental	msc	mesocumulate
fri	friable	tuf	tuffaceous
gos	gossanous		
ind	indurated		
lam	laminated		
mgm	megamottled		
mot	mottled		
nod	nodular		
ool	oolitic		
pis	pisolitic		
pla	plastic	<b>METAMORPHIC</b>	
pod	poddy	aci	acicular
stf	powdery	asb	asbestiform
sor	sorted	bld	bladed
uns	unsorted	dcs	decussate
ver	vermiform	bnd	banded
vnl	vein-like	fib	fibrous
voi	voided	gns	gneissic
xct	cross-cutting	grn	granoblastic
<b>IGNEOUS</b>		hnf	hornfelsed
adc	adcumulate	lpd	lepidoblastic
amy	amygdaloidal	poc	porphyroclasts
aph	aphhanic	pob	porphyroblasts
aqg	equigranular	sch	schistose
gls	glassy	mas	massive
gpy	granophyre	dis	disseminated
hyl	hyaloclastic	st	stringers
ocl	ocellar	xn	xenolithic
osp	olivine Spinifex		
oph	ophitic		
orc	orthocumulate	<b>Texture Intensity</b>	
pgm	pegmatitic	1 = occasional (<25% of texture in logged interval)	
plw	pillowed	2 = partially (25% - 50% of texture in logged interval)	
pph	porphyritic	3 = moderate (50% to 75% of texture in logged interval)	
psp	pyx spinifex	4 = total (>75% of texture in logged interval)	
sop	subophitic		
sph	spherulitic		
spt	spotted		

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**ALTERATION**

Alteration Code	Alteration Description	Alteration IntensityCode and Description
ad	adularia	1 = Weak
ag	argillic	2 = Moderate
as	aluminosilicate	3 = Strong
ap	amphibole	4 = Intense
bi	biotite	
bc	biotite-chlorite	
cs	calc-silicate	
cb	carbonate	
ct	chlorite	
ep	epidote	
fe	ferruginous	<b>Alteration VariationCode and Description</b>
gn	greissen	Dis = Disseminated (patchy throughout interval)
hm	haematisation	Loc = Localised (intense in patches)
mg	magnesian	Per = Pervasive (distributed throughout interval)
pp	propylitic	Ma = Massive (total interval altered)
na	sodic	
nc	sodic-calcic	
se	sericite	
sc	sericite-chlorite	
si	silicification	
sf	sulphidisation	
ti	talc	
tc	talc-chlorite	
and	andalusite	
mus	muscovite	
gar	garnet	
cord	cordierite	
epi	epidote	
<b>ALTERATION /SULPHIDE STYLES</b>		
d	disseminated	
m	massive, pervasive	<b>OXIDATION Codes and Description</b>
v	veins	F = fresh
s	stockwork	T = trace
l	lodes	W = weak
p	Pods, patches	M = moderate
f	foliation controlled	S = strong
b	bands, bed controlled	E = extreme
qtz	quartz	
epi	epidote	
fi	felsic intrusive	
calc	calcite	

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## VEINING

Any additional type of observation related to veins through the interval. Intensity of veining is recorded.

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[illegible]

## WEATHERING

Weathering Codes& Descriptions			
I	Intensely weathered	F	Ferruginous
Pw	Partly weathered	Lm	Mottled Zone
Sw	Slightly weathered	Chf	Ferricrete
Cw	Completely weathered	Chs	Silcrete
CZ	Clay Zone	Ca	Alluvium
Cal	Calcareous	Reg	Regolith
Fr	Fresh rock	Cco	Colluvial Soil
Go	Gossan	Cw	Aeolian Deposits
Lx	Redox front	Xo	Un-differentiated soil
SZ	Supergene zone	Xf	Ferricrete – unknown origin
Eo	Erosional Soil		
S	Silicified		
Eg	Erosional Gossan		
El	Erosional Lag		