

BOOTU CREEK MANGANESE PROJECT

GEOLOGY LEGEND



Code	Weathering	Code	Grain Size	Code	Minerals cont.
tc	transported cover	vfg	very fine grained	lim	limonite
hw	highly weathered	fg	fine grained	mal	malachite
mw	moderately weathered	mg	medium grained	mn	manganese
lw	lightly weathered	cg	coarse grained	mic	mica
fr	fresh rock	cn	conglomerate	pyr	pyrite
	Lithology		Colour Intensity	qtz	quartz
ba	basalt	bt	bright	sul	sulphide
bs	black shale	dk	dark		Mineralisation Style
ca	canga	lt	light	den	dendritic
cb	carbonate	md	medium	dis	disseminated
cc	calcrete	mo	mottled	frg	fragmental
ch	chert		Colour	hds	highly disseminated
cn	conglomerate	bg	beige	mas	massive
cy*	clay	bl	black	mtx	matrix
do*	dolomite	br	brown	pat	patchy
fi	fill / waste	bu	blue	sdv	sandy
gi*	goethitic ironstone	cr	cream	str	stringer
gv*	gravel	gn	green	vns	veins
hc	hard cap	gy	grey	vug	vuggy
hi*	hematitic ironstone	kh	khaki		Alteration
mn	manganese (secondary lith only)	or	orange	bl	bleached
ms	manganiferous sandstone	pi	pink	cb	carbonate
nl	not logged	pu	purple	do	dolomitic
ns	no sample	rd	red	go	goethitic
pi*	pisolites	wh	white	gr	green
qt	quartzite	ye	yellow	he	hematitic
qv	quartz veining	pr	purple red	ka	kaolin
sd	sand	pn	purple brown	sc	silica + carbonate
sh	shale	pb	pink brown	si	siliceous
si	silcrete	rb	red brown		Structure
sl*	siltstone	yb	yellow brown	ban	banded
sls*	interbedded sand-siltstone	yg	yellow green	bed	bedded
so	soil		Minerals	brx	brecciated
ss*	sandstone	azr	azurite	cbv	carbonate veins
vo	void / cavity	bar	barite	con	concordial fracture
*	Mineralised + Lithology	bio	biotite	cry	crystalline
\$1	+ 80% massive Mn (+40%Mn)	bor	bornite	fol	foliated
\$2	60-80% massive Mn (30-40%Mn)	cab	carbonate	fld	fold
\$3	40-60% massive Mn (20-30%Mn)	cal	calcite	flt	fault
\$4	20-40% minor Mn (10-20%Mn)	cha	chalcedony	jon	joint
\$5	10-20% weak Mn (5-10% Mn)	chl	chlorite	qcv	quartz-carbonate veins
	Texture	cly	clay	qzv	quartz veins
ban	banded	cpy	chalcopyrite	shr	shear
bed	bedded	dol	dolomite		H2O
bot	botryoidal	fe	ferrous	dr	dry
bx	breccia	fel	feldspar	dm	damp
lam	laminated	gal	galena	wd	wet-damp
lin	lineated	gla	glaucconite	w	wet: <2 lts/sec
mas	massive	goe	goethite	ww	very wet: 2-10 lts/sec
mot	mottled	gra	graphite	xw	extremely wet: >10 lts/sec
vug	vuggy	hem	hematite		
xbd	cross bedded	kao	kaolinite		

NOTE: Mineralised + Lithology goes into Litholgy field in FM

NOTE :

Mineralised + Lithology works as follows

Lith 1	Lith2	
\$1ss		+80% MnOx + < 20% ss
\$2ss		60-80% MnOx + 20-40% ss
\$1sls		+80% MnOx + < 20% sls
\$5cy		10-20% MnOx in 80-90% cy
	mn	MnOx < 10% in lith2 only

In Fieldmarshall \$-codes are in the lookup table for : cy,do,gi,hi,sl,sls,ss

modified 1-Apr-11 (CR)

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