

**BOOTU CREEK MANGANESE PROJECT**
**GEOLOGY LEGEND**

modified 16-Sept-07 (CR)



Code	Recovery	Code	Grain Size	Code	Minerals cont.
	approx % sample recovery	<b>vfg</b>	very fine grained	<b>kao</b>	kaolinite
	<b>Weathering</b>	<b>fg</b>	fine grained	<b>mal</b>	malachite
<b>tc</b>	transported cover	<b>mg</b>	medium grained	<b>mn</b>	manganese
<b>hw</b>	highly weathered	<b>cg</b>	coarse grained	<b>mic</b>	mica
<b>mw</b>	moderately weathered	<b>cn</b>	conglomerate	<b>pyr</b>	pyrite
<b>lw</b>	lightly weathered		<b>Colour Intensity</b>	<b>qtz</b>	quartz
<b>fr</b>	fresh rock	<b>bt</b>	bright	<b>sul</b>	sulphide
	<b>Lithology</b>	<b>dk</b>	dark		<b>Mineralisation Style</b>
<b>bs</b>	black shale	<b>lt</b>	light	<b>den</b>	dendritic
<b>ca</b>	canga	<b>md</b>	medium	<b>dis</b>	disseminated
<b>cb</b>	carbonate	<b>mo</b>	mottled	<b>frg</b>	fragmental
<b>cc</b>	calcrete		<b>Colour</b>	<b>hds</b>	highly disseminated
<b>ch</b>	chert	<b>bg</b>	beige	<b>mas</b>	massive
<b>cn</b>	conglomerate	<b>bl</b>	black	<b>mtx</b>	matrix
<b>cy</b>	clay	<b>br</b>	brown	<b>pat</b>	patchy
<b>do</b>	dolomite	<b>bu</b>	blue	<b>sdv</b>	sandy
<b>gi</b>	goethitic ironstone	<b>cr</b>	cream	<b>str</b>	stringer
<b>gv</b>	gravel	<b>gn</b>	green	<b>vns</b>	veins
<b>hc</b>	hard cap	<b>gy</b>	grey	<b>vug</b>	vuggy
<b>hi</b>	hematitic ironstone	<b>kh</b>	khaki		
<b>mn</b>	manganese (secondary lith only)	<b>or</b>	orange		<b>Alteration</b>
<b>ms</b>	manganiferous sandstone	<b>pi</b>	pink	<b>bl</b>	bleached
<b>ns</b>	no sample	<b>pu</b>	purple	<b>cb</b>	carbonate
<b>pi</b>	pisolites	<b>rd</b>	red	<b>do</b>	dolomitic
<b>qt</b>	quartzite	<b>wh</b>	white	<b>go</b>	goethitic
<b>qv</b>	quartz veining	<b>ye</b>	yellow	<b>gr</b>	green
<b>sd</b>	sand	<b>pr</b>	purple red	<b>he</b>	hematitic
<b>sh</b>	shale	<b>pb</b>	pink brown	<b>sc</b>	silica + carbonate
<b>si</b>	silcrete	<b>rb</b>	red brown	<b>si</b>	siliceous
<b>sl</b>	siltstone	<b>yb</b>	yellow brown		<b>Structure</b>
<b>sls</b>	interbedded sand-siltstone	<b>yg</b>	yellow green	<b>ban</b>	banded
<b>so</b>	soil		<b>Minerals</b>	<b>bed</b>	bedded
<b>ss</b>	sandstone	<b>azr</b>	azurite	<b>brx</b>	brecciated
<b>tu</b>	tuff	<b>bar</b>	barite	<b>cbv</b>	carbonate veins
	<b>Mineralised + Lithology</b>	<b>bio</b>	biotite	<b>con</b>	concordial fracture
<b>\$1</b>	+ 80% massive Mn (+40%Mn)	<b>bor</b>	bornite	<b>cry</b>	crystalline
<b>\$2</b>	60-80% massive Mn (30-40%Mn)	<b>cab</b>	carbonate	<b>fol</b>	foliated
<b>\$3</b>	40-60% massive Mn (20-30%Mn)	<b>cal</b>	calcite	<b>fld</b>	fold
<b>\$4</b>	20-40% minor Mn (10-20%Mn)	<b>cha</b>	chalcedony	<b>flt</b>	fault
<b>\$5</b>	10-20% weak Mn (5-10% Mn)	<b>chl</b>	chlorite	<b>jon</b>	joint
	<b>Texture</b>	<b>cly</b>	clay	<b>qcv</b>	quartz-carbonate veins
<b>ban</b>	banded	<b>cpy</b>	chalcopyrite	<b>qzv</b>	quartz veins
<b>bed</b>	bedded	<b>dol</b>	dolomite	<b>shr</b>	shear
<b>bot</b>	botryoidal	<b>fe</b>	ferrous		<b>H2O</b>
<b>lam</b>	laminated	<b>fel</b>	feldspar	<b>dr</b>	dry
<b>lin</b>	lineated	<b>gal</b>	galena	<b>dm</b>	damp
<b>mot</b>	mottled	<b>gla</b>	glauconite	<b>wd</b>	wet-damp
<b>vug</b>	vuggy	<b>goe</b>	goethite	<b>w</b>	wet - < 5000 gal/hr
<b>xbd</b>	cross bedded	<b>gra</b>	graphite	<b>ww</b>	very wet - 5,000 - 10,000 gal/hr
		<b>hem</b>	hematite	<b>xw</b>	extremely wet >10,000 gal/hr