

DEPTH (m)	ROCK UNIT	DESCRIPTION	STRUCTURAL AND VEIN INFORMATION	MINERALISATION	NOTES
0-3.00	TRICONE TO 3m - NO CORE				
3.00-7.15	3.00-7.15 RECRYSTALLISED DOLOMITE, faulted.	Possibly some mullite 3.0-3.5m. Grey, weakly mottled dolomite and creamy coloured recrystallised dolomite as rounded clasts surrounded by calcite, qtz and other carbonates with inclusions of black pyggy material (decomposed sulphides?). Faulted and shattered - soft cherty texture in places.	3		Pg, marcasite, fluorite, trace arseno; disseminated as blebs and grains and in veinlets with carbonates and qtz. Blebbed and decomposed - original percentage difficult to estimate. 2-3%
7.15-35.33	7.15-35.33 DOLOMITE WITH CALCITE AND QUARTZ.	Hard grey fine grained dolomite in a strongly brecciated fabric. Occasional patches dark grey, almost black, grading into bleached portions with a strong brecciation. Extensively fractured - fine grey fractures in dolomite have superimposed disruption due to later faulting. Calcite and qtz occur interstitially between breccia clasts and along fractures; patches up to 5x6 cm. Fine yellowish clay films on fracture surfaces; after 20m some talcose alteration (see below).	2/3		7.15-25.6 pg, trace marcasite, fluorite, sp in small veins, blebs and stringers. Occasional 5-6cm patches of interlocking marcasite, fluorite, sp with qtz and carbonates. 2-3%
35.33-55.82	35.33-55.82 QUARTZ FELSPAR PORPHYRY.	Matrix pale grey with a faint yellowish tinge near margins. Hard, finely crystalline and well jointed, minor qtz, fluorite deposition on some joint faces. Phenocrysts: qtz, rounded, turbid grains to 5mm, 10% smaller near margins < 3mm Felspar - hard, (altered) yellowish white to 3mm 3-10% Some purple fluorite to 10%, 2mm, occurs patchily throughout.	1		35.33-37.8 pg, marcasite as rounded aggregates to 6mm. Fluorite, sp to 10%, trace arseno. Some minor carbonate-qtz-sp-fluorite-pg-arseno veining to 5mm. 15% 37.8-41.8 pg, marcasite, trace sp, fluorite, arseno, rare cassit. Rounded grains to 3mm. Some rare veining as above 37.8-41.8. 7-10% 41.8-44.4 pg, trace sp, arseno, rare cassit, fluorite (deep purple) to 3mm, finely disseminated. 20-25% 44.4-47.3 pg, marcasite as fig aggregates and clots to 15mm. Trace sp. Disseminated fluorite to 10%. Sparse thin pg-marcasite-qtz-carbonate-fluorite-sp veins. 15% 47.3-48.9 pg, marcasite trace arseno, sp and cassit as fine fig aggregates. 30% 48.9-50.0 pg, marcasite, fluorite trace sp. 11% 50.0-54.4 pg, pg, marcasite trace arseno, sp, tourmaline, and sparse carbonate-qtz-fluorite veining. 15% 54.4-55.82 Decrease in size of phenocrysts, matrix yellowish cream qtz 5%. Felspar 7-10%. 55.8 sample N° 9808 taken for petrology. 7-10%
55.82-57.28	55.82-57.28 'Aplitic looking' PORPHYRY.	Matrix dark smoky grey, f. qtz with small phenocrysts of qtz and felspar to 3mm. Felspar 3-5%, qtz 2-3%. Fluorite 3-5%.	1		55.82-57.28 Fluorite, pg, marcasite, weak trace sp and tourmaline. 3%
57.28-58.34	57.28-58.34 DOLOMITE SULPHIDE LODGE	Soft dark bluish grey (fluorite rich) serpentine (?) with some rounded, recrystallised dolomite clasts. Some white phenocrysts to 3mm. Felspar?	7		57.28-58.34 Fluorite, distinct grains to 10% pg, marcasite + sp = 10% 10%
58.34-59.30	58.34-59.30 MIXED 'aplitic looking' PORPHYRY and DSL.	Mixture of the above two rock types 55.82-58.34 on a 10cm scale. Some greenish black serpentine with a little talc.	7/1		58.34-59.30 pg, marcasite, fluorite, trace arseno, sp filling fractures. 7%
59.30-60.9	59.30-60.9 DOLOMITE SULPHIDE LODGE.	Green talc, grey serpentine and recrystallised carbonates/qtz. Surrounding clasts of grey dolomite. Alteration gradually diminishes to 60.9, after which it is confined to discrete fracture zones.	7/3/2		59.30-60.9 pg, marcasite, fluorite, trace arseno, sp; intergrown and disseminated, locally 20%. 15%
60.9-65.2	60.9-65.2 DOLOMITE WITH QTZ AND CALCITE.	As for 20.45-25.6, above.	2/3		60.9-65.2 trace sp, pg as blebs and grains in brecciation fractures. Some qtz-carbonate veining. 1%
65.2-72.6	65.2-72.6 RECRYSTALLISED DOLOMITE	Grossly brecciated fabric - embayed, angular pieces of dark grey silicified dolomite encased in banded, creamy coloured almost pure recrystallised dolomite. Some weak alteration of remnant dolomite clasts to talc/serpentine.	3		65.2-72.6 Trace sp, fluorite interstitially and in vugs in banded dolomite. rare grains pg. <1%
72.6-77.0	72.6-77.0 INTERBEDDED ALTERED DOLOMITE AND SILTSTONE.	Brecciated, with clasts of bedded siltstone interbedded with an uniaxially textured altered dolomite. The matrix is soft greenish black talc serpentine with cross crossing pale grey non penetrative zones of carbonate enrichment to 2mm thick. These carbonate veinlets transgress bedding in the siltstone and are closely spaced (< 10mm spacing). The siltstones are dark grey, clay rich, medium soft and thinly bedded/brecciated.	7/10		72.6-77.0 200mm DSL, pg, qtz, fluorite, talc/serpentine, recryst dolomite. Gradual change to 75.6 Bedding (siltstone) 80° Sample 9808 taken for petrology. 7-10% 75.6 Bedding (siltstone) 80°
77.0-80.0	77.0-80.0 SILTSTONES, thinly bedded	Dark grey clay rich siltstones, thinly bedded and weakly scissile (?). Brecciated - soft sediment deformation and late fracturing/microfaulting. The later fracture planes have coatings of soft green talcose material.	10		77.0-80.0 Dolomite veining with minor qtz, calcite and trace fluorite. 2-3%
80.0-80.0	END OF HOLE 80.0m.				

DEPTH from - to : ROCK UNIT capital letters, underlined  
Depth : Detailed rock description and notes  
Indented about 15mm.

GRAPHIC LOG SEE LOG SHEET 1

STRUCTURAL AND VEIN INFORMATION ATTITUDE Angle between feature and LONG CORE AXIS

MINERALISATION

NOTES

METALS EXPLORATION LIMITED MINERAL EXPLORATION DRILL LOG Scale 1:100

Prospect or project Mt Bischoff.  
Logged by G. BROADBENT date 17/1/80

HOLE No. M8D 15  
LOG SHEET 2 OF 2  
from 0m to 80.0m.

13/1/80