028419

DRILL ADVANCE	LOST CORE ZONE	% RECOVERY ESTIMATE OR CORE LENGTH RECOVERED	DEPTH from-to : ROCK UNIT (capital letters, underlined) — Depth : Detailed rock description and notes (indented about 15 mm)	DRILL LOG DEPTH TAG	DEPTH POINTER	GRAPHIC LOG (SEE LEGEND ON SHEET 1)	DEPTH POINTER	STRUCTURAL AND VEIN INFORMATION (ATTITUDE = Angle between feature and LONG CORE AXIS)	MINERALISATION	PERCENT MINERALISATION Visual estimate	NOTES
			TRICONE TO 3.0 m - NO CORE.	0							
2.0		40 / 0.8	3.0-7.28 DOLOMITE. Grey fine grained medium hard dolomite, very fractured and broken with soft brown Fe oxides lining fracture planes.	4	2				3.0-7.28 Non mineralised, (possibly removed by weathering.)	—	
3.0		27 / 0.8						Broken contact.			
3.0		3.1	7.28-23.1 DOLOMITE SULPHIDE LODE. 7.28-9.85 Almost massive brownish po - 70% with granular qtz - carbonate matrix and some thin carbonate veining. Some soft greenish grey talcy patches. Contact 20°	8	4/8/6				7.28-9.85 po >> py, trace cp, oxsco, sp. Cassiterite occurs as fine grained aggregates to 5×3 mm - 2%, concentrated 8.9-9.8 m. py is concentrated along margins of po grains small CO_3 veins.	70%	
3.0	100	2.9	9.85-13.2 Carbonate - qtz matrix with pale greenish grey talcose alteration and small patches of black (often talcy) serpentinite to 5 cm.	12	8/6/4				9.85-13.2 po, py, cassiterite, trace cp. Granular, disseminated - the cassiterite occurs as fine grained aggregates intergrown with qtz, carbonates, to 6×5 mm, 3-4%. Some rare grains occur interstitially in po aggregates. (also cp)	15%	
3.0	100	3.0	13.2-16.7 pale greenish grey talcy matrix with minor corroded carbonates and granular grey quartz. Serpentinite (black) occurs as small elongated patches, possibly marking fracture planes.	16	6/8/4				13.2-16.7 po, minor py, blebby, granular texture, intergrown with carbonate/qtz patches	15%	
3.0	100	2.8	16.7-23.1 Alternating talcy carbonates and quartz with dark green and grey talc/serpentinite. Finely banded 'wrigltic' texture in talc serpentinite; the carbonate/qtz patches appear to be a recrystallised breccia. Alternating intervals of the above to 1 m, the greenish intervals are roughly twice as abundant as the mottled grey carbonate qtz intervals. Purple and colourless fluorite occurs patchily with carbonates etc, and there is a hard speckled bluish grey material in irregular patches in the talc/serpentinite intervals. It is roughly conformable to banding - serpentinite/chondrodite? or a tourmaline?	20	8/6/7/4				16.7-23.1 po, py, fluorite, strong trace cassiterite, trace cp, sp, oxsco. Po occurs as disem blebs, grains and massive aggregates to 10 cm, some sections have an unusual 'herringbone' structure - en echelon elongated blebs to 10×2 mm. Fluorite is granular, interstitial, or as grains to 6 mm in carbonates. Cassiterite as f.gr. aggregates to 2×3 mm, most noticeable in carbonate/qtz patches.	15-20%	
3.0	100	3.2						Contact indistinct, 40°			
2.0		2.0 / 100	23.1-35.7 DOLOMITE weakly recrystallised. Medium hard grey dolomite, very brecciated - early fine dark grey stained fractures < 1 mm and later shearing marked by talcose alteration along fracture planes with attendant weakly recrystallised mottled cream and grey lenses to 2 cm. Well fractured, minor faulting - crushed dolomite zones to 20 cm; fine fractures with thin talcy films as above occur every 5-10 cm on average, 40°-50° LCA. Some creamy white irregular veins dolomite - calcite - qtz to 10 mm	24	3/2	23.7-24.2 Altered zone - talc - serp - carbonate - qtz - fluorite - py - sp - trace po			23.1-33.5 p, trace po, py, as blebs within calcite - dolomite - fluorite - qtz veining	2-3%	
1.0	100	1.0									
1.2	100	1.2				27.7-28.2 recrystallised zone - pinkish dolomite, calcite, qtz - fluorite - sp, po, py. Minor talc and a heavy hard pinkish carbonate (Mn?)					
1.8		2.0		28							
2.6	100	2.5						← 31.6 35 mm py-sp vein with blebs talc.			
3.1		3.0		32							
			33.1-34.35 DSL - banded blue green and grey green talc, serpentine carbonate - qtz - fluorite surrounding corroded clasts of recryst. dolomite		6/7/8	irregular contacts			33.1-34.35 py, fluorite, trace po in fractures and cavities or finely dissem. in banding	15%	
					3	← 34.8 Contact gradual and irregular.			34.35-35.7 sp, fluorite, po, sp as above 23.1-33.1	2-3%	
3.1	100	3.1	35.7-40.52 DOLOMITE SULPHIDE LODE. 35.7-37.2 Hard dark green f.gr finely banded serpentinite with talcose patches and small patches of hard dark bluish grey 'fluorite rich serpentinite' (?). Minor patches carbonates, qtz. The whole is finely and irregularly banded 'wrigltic'.	36	7/6	← 35.8 Sample No 98075			35.7-37.2 po, py, fluorite. Sulphides granular, fluorite finely dissem.	20-25%	
3.1	100	3.1	37.2-40.52 Greenish white talcose carbonates, interspersed with bluish dark green 'serpentinite'. Some patches creamy white recryst. dolomite surrounding pale blue, purple, brownish and colourless fluorite up to 15×12 mm. Samples 98075 and 98076 taken for petrological study / thin section.	40	8/6/7	← 38.8 Sample No 98076			37.2-40.52 py > po ≥ fluorite. dissem. as blebs and grains throughout, some aggregates po to 30×20 mm; py to 15×10 mm; fluorite to 12×15 mm (enclosed by dolomite.)	20%	
			40.52-44.0 SILTSTONES AND SILTY SHALES. Hard, greenish grey and sericitic shale beds with darker grey siltstones. Thinly bedded, very brecciated and disrupted (soft sediment deformation?) with later minor fracturing and thin veining.		10/9	← Contact 40°, bedded.			40.52-44.0 po, py as blebs and fine stringers, in sparse veinlets with qtz, fluorite, carbonates	1-2%	
3.1	100	3.1		44							
			END OF HOLE 44.0 m.	48							

5 cm

METALS EXPLORATION LIMITED

MINERAL EXPLORATION
DRILL LOG
Scale 1:100

Prospect or project: Mount Bischoff
Logged by: G. BROADBENT date 31/1/80

HOLE No. MBD23
LOG SHEET 2 OF 2
from 0 m. to 44.0 m.

Written up 23/5/80