028457

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48·2 - 51·6 ? DOLOMITE SULPHIDE LODE INCLUSION

Granular recrystallised dolomite, grey qtz and calcite, magnesite(?) with dark greenish blue hard ? serpentinite in thin zones and irregular patches & pale grey talc.

Extensively veined with carbonates, fluorite, qtz and py.

51·6 - 61·1 As for 41·6 - 48·2, extensively sheared and veined.

57·2 - 61·1. Stockwork of dolomite / pale brown sp? veins

61·1 - 65.50 DOLOMITE SULPHIDE LODE.

Mottled brassy yellowish green / grey due to pyrite and granular recrystallised qtz and carbonates.

Some likely banded carbonates and fluorite with a hard bluish mineral in lower 2.5m, and some bronze pyrrhotite.

65·5 - 78·87 RECRYSTALLISED DOLOMITE.

See 35.0 - 39.2m on page 2.

Some yellowish and greenish talcose alteration assoc. with post - recrystallisation shearing - patches up to 5 cm with fractures.

69 - 72 Recrystallised carbonates are vuggy, with minor blue fluorite in cavities.

75·9 - 78·4 Dark grey recrystallised dolomite with thin films of almost black material on brecciation fractures. Some weak greenish talcose alteration

78·4 - 78·87 Almost massive py, which extends into upper 20 cm of siltstones and shales.

78·87 - 89·0 SILTSTONES AND BLACK SHALES, MINOR QUARTZITES

Brecciated and weakly silicified. Sub angular clasts of grey siltstone in an almost black clay rich siltstone matrix. Some faintly greenish, disrupted intervals of clay rich siltstones, quite well bedded, with quartzite beds to 0.5 m and thin pale grey siltstone beds (quartzose) to 1 cm.

Finely fractured near contact - thin clay films along fractures - extent of broken core decreases with depth.

END OF HOLE 89.0m.

Depth	Drill advance	Core length recovered	% recovery estimate	Graphic log	Structural and vein information	Mineralisation	Percent mineralisation (visual estimate)	Notes
68	3.0	3.0	100	8/7	← Contact indistinct, 35°	48·2 - 51·6 py >> fluorite, trace sp. Py as granular aggregates, and in veins with qtz, carbonates, fluorite. Fluorite is likely dissem throughout and in veining. (7-10%)	20-25%	
52	3.0	3.0	100		← 50.4 small fault ← 50.9 200mm massive py, marcasite, carbonate, fluorite. ← Contact indistinct.	51·6 - 58·4 py, fluorite, trace sp, cassiterite. Rounded distinct grains to 3 mm. Dolomite - fluorite - qtz - sp - py veining, increasing towards base.	10-15%	
56	1.0	1.0	100		← 56.4 80mm mineralised zone - fluorite 20%, py 20%, arsco 10%, carbonates 15%.			
	0.7	0.7	100		57.2 - 58.4 dolomite breccia zone, 10% porphyry, 10% dolomite veins, trace fluorite, sp at 30° to CA.			
	1.3	1.3	100		← 58.8 0.5m dolomite vein, 40°.	58·4 - 61·1. Mineralisation as for 51·6 - 58·4, with 30% dolomite - fluorite - sp - py veining (stockwork)	40-50%	
60	1.8	1.8	100		← Contact irregular, 65°.			
	3.2	3.2	100	5/8		61·1 - 63·0 py >> po, fluorite 5%, cassiterite as b.gr. aggregates 3%, trace ga, arsco, sp, cp.	70%	
64	3.1	3.1	100	8/4	← Contact 40°	63 - 65·5 po >> py, fluorite 3-5%, cassiterite 1-2%, trace ga, sp, arsco, cp. Fine granular aggregates, blebs po to 2 cm.	70%	
	0.9	0.9	100					
68	3.0	3.0	100	3		65·5 - 69·0 Fluorite, weak trace py, sp in brecciation cavities with recryst. carbonates	1-2%	
72	3.0	3.0	100			69·0 - 75·9. Weak trace fluorite, py, sp as above, 65·5 - 69·0		
	3.0	3.0	100					
	0.5	0.5	100		Breccia zone - small fault.			
76	1.3	0						
	1.2	1.2	100			75·9 - 78·4 py, trace arsco as blebs and grains in breccia infillings	3-5%	
	3.0	3.0	100	5/8	← Gradual change through massive py.	78·4 - 79·1 vuggy, py, trace marcasite, arsco, cassiterite?		
80	3.0	3.0	100		← 79.0 Bedding 60° ← 81.6 Bedding 30°	79·1 - 89·0 py > po, Py finely dissem in siltstones and as irregular blebs to 3x7mm. Po as sparse rounded blebs to 2 cm. Carbonate - fluorite - py veining, some rare irregular masses to 7x6 cm - breccia zones? Veining decreases away from upper contact.	5-7%	
84	3.0	3.0	100		← 83.5 Bedding 45° ← 86.4 Bedding 65°			
88	3.0	3.0	100		← 88.9 10mm dolomite - sp vein, 80°			
92								
96								

5 cm

Depth from-to : ROCK UNIT capital letters, underlined

Depth : Detailed rock description and notes indented about 15 mm

METALS EXPLORATION LIMITED

MINERAL EXPLORATION

DRILL LOG

Scale 1:100

Prospect or project: MOUNT BISCHOFF

Logged by: G. BROADBENT date: 9 / 3 / 80

Prepared 8/6/80

HOLE No. MBD 29A

LOG SHEET 3 OF 3

from 48·0 m. to 89·0 m.