028463

See Previous Page.

Depth from-to : ROCK UNIT (capital letters, underlined) / Depth : Detailed rock description and notes (indented about 15 mm)	Graphic Log	Structural and Vein Information (Attitude = Angle between feature and long core axis)	Mineralisation	Percent Mineralisation (Visual estimate)	Notes
49- ?53.2 Recovery improves marginally; shattered and broken core with lesser puggy material.		Broken Contact.			
?53.2-68.0 FAULTED DOLOMITE SULPHIDE LODE. 53.2-62? Fragments of granular qtz-carbonate; some are slightly greenish and talcose. Matrix of grey and white soft puggy material with a silty texture, friable. Quite pyrite rich in intervals to 3 m. vuggy, cellular pieces of remnant py with qtz-carbonate-talc.	8/6/5/F	53.2-58 Fault pug- high core losses.	53.2-68.0 pitted py, trace remnant iscco, sp and rare po. Intergrown with qtz, carbonates, pitted, with soft black material in interstices. Sp occurs rarely as blebs to 2x1 cm, mostly small blebs intergrown with py. Trace clear fluorite, as rare interstitial grains. Po is pitted and generally surrounded by weathered py. Originally total mineralisation <10%.	30%	
62-68 Fragments soft grey talcose carbonates, intergrown with qtz.		58-63 Slightly better recovery, still puggy and shattered.			
		From 68 m onwards, puggy material decreases - core is well fractured and broken, but not as shattered. Contact Broken			
68-66.4 SILTSTONES. fragments of greenish-grey silicified siltstones	10	Contact Broken.	Non Mineralised	—	
68.4-70.5 RECRYSTALLISED DOLOMITE. Recrystallised creamy yellow dolomite fragments with minor qtz-calcite and pure white ? magnesite.	3	Contact Broken.	68.4-70.5 py, trace sp as blebs and thin veinlets.	5-10%	
70.5-71.0 QUARTZ FELSPAR PORPHYRY. Hard greenish matrix, feldspar 7%	1	Contact Broken	70.5-71.0 Non Mineralised	—	
71.0-71.9 DOLOMITE SULPHIDE LODE. Granular qtz-carbonate with minor py, fluorite	8	Contact Broken.	71.0-71.9 py, trace sp, some fluorite as blebs and grains to 3mm	10%.	
71.9-73.6? HYBRID PORPHYRY / DOLOMITE SULPHIDE LODE? Soft black serpentinous (?) matrix alternating with hard medium grey fine grained material. Small creamy white feldspar and purplish brown fluorite to 2 mm, 3-5%. Serpentinous material is weakly foliated	7/1.	Contact Broken.	71.9-?73.6 Strong trace fluorite	1%.	
73.6-82.9 MASSIVE SILTSTONES, minor SHALES. Grey, hard and silicified. Some finely bedded shales, and intervals of siltstone have finely laminated bedding < 2 mm alternating clay rich siltstones/silty shales. Some medium grey quartzose siltstones to 2 cm, some of which are slightly sandy. Extensively disrupted and broken by later fracturing.	10/(9).	79.1 Bedding 15° ; 81.0 Bedding 20° ; 82.3 15 cm greyish microporphyry, 30°	76.6-82.9 trace pitted py, sparse thin carbonate-qtz veinlets.	<1%.	
82.9-93.3 'Aplitic-looking' QUARTZ FELSPAR PORPHYRY. 82.9-86.6 Pale yellowish / grey matrix with poorly defined colour banding - flow structure? 82.9-93.3 Phenocrysts: Qtz - well formed, to 2 mm, 3-5%; Feldspar - small creamy white phenocrysts to 2 mm, usually with diffuse outlines. Concentration variable from 0-20% over tens of cm, average 5-7%. 86.6-91.0 Matrix slightly greenish medium grey, mottled and weakly banded. 91.0-93.3 Pale yellowish / grey matrix as for 82.9-86.6.	1	Contact broken, 25° from fragment ; Contact irregular ≐75°	82.9-93.3 Fluorite as dark purple or brown phenocrysts to 1.5 mm, weak trace py to 2 mm. Minor thin stringers py, fluorite, rare sp.	1-2%	
93.3-95.0 FINE GRAINED QUARTZITE. Hard dark grey well bedded quartzite, slightly micaceous. Scale of bedding 1-2 cm, minor disruption and brecciation, well fractured.	11	93.8 Bedding 50° ; 94.7 Bedding 30°	93.3-95.0 py as thin veinlets and stringers with qtz, some finely dissem.	3%.	
END OF HOLE 95.0 m.					

Drill Advance	Lost Core Zone	% Recovery / Estimate or Core Length Recovered	Depth from-to : ROCK UNIT	Depth Pointer	Drill Log Depth Tag	Depth Pointer	Graphic Log	Depth Pointer	Structural and Vein Information	Mineralisation	Percent Mineralisation	Notes
1.3	0.6	0.4	5.0	0.2	40							
1.2	0.6	0.5	7.1	0.6	50							
1.6	0.7	0.4	9.1	0.7	44							
1.7	1.0	0.9	11.1	1.0	59							
3.0	0.8	27	14.1	0.8	27							
2.0	0.5	25	17.1	0.5	25							
1.0	0.6	60	18.1	0.6	60							
1.0	1.0	100	19.1	1.0	100							
1.0	0.9	90	20.1	0.9	90							
1.0	0.9	90	21.1	0.9	90							
0.6	0.3	50	22.1	0.3	50							
0.7	0.4	57	23.1	0.4	57							
0.6	0.2	33	24.1	0.2	33							
1.1	0.3	27	25.1	0.3	27							
1.3	0.6	46	26.1	0.6	46							
1.7	0.3	18	27.1	0.3	18							
0.4	0.3	75	28.1	0.3	75							
0.4	0.3	75	29.1	0.3	75							
0.2	0.1	50	30.1	0.1	50							
1.5	1.0	67	31.1	1.0	67							
0.3	0.2	67	32.1	0.2	67							
1.0	0.9	90	33.1	0.9	90							
1.7	1.2	71	34.1	1.2	71							
0.4	0.3	75	35.1	0.3	75							
0.3	0.3	100	36.1	0.3	100							
0.9	0.9		37.1	0.9								
0.6	0.5	100	38.1	0.5	100							
0.5	0.8	100	39.1	0.8	100							
2.2	2.2	100	40.1	2.2	100							
0.3	0.5	100	41.1	0.5	100							
0.3	0.2	67	42.1	0.2	67							
0.2	0.2	100	43.1	0.2	100							
0.4	0.4	100	44.1	0.4	100							
0.6	0.6	100	45.1	0.6	100							
0.4	0.4	100	46.1	0.4	100							
0.5	0.5	100	47.1	0.5	100							
0.9	0.9	100	48.1	0.9	100							
0.9	0.8	89	49.1	0.8	89							
0.3	0.5	100	50.1	0.5	100							
0.8	0.7	100	51.1	0.7	100							
0.7	0.8	100	52.1	0.8	100							
0.7	0.7	100	53.1	0.7	100							
0.7	0.7	100	54.1	0.7	100							
0.5	0.5	100	55.1	0.5	100							
0.6	0.6	100	56.1	0.6	100							
0.8	0.7	88	57.1	0.7	88							
1.4	1.3	93	58.1	1.3	93							
3.0	3.0	100	59.1									

METALS EXPLORATION LIMITED

MINERAL EXPLORATION
DRILL LOG
Scale 1:100

Prospect or project: MOUNT BISCHOFF
Logged by: G. BROADBENT date 19/2/80

HOLE No. MBD 30
LOG SHEET 3 OF 3
from 48.0 m. to 95.0 m.