028468

| Depth | Graphic Log | Structural and Vein Information | Mineralisation | Notes |
|---|---|---|---|---|
| 0 | TRICONE TO 1.5 m - NO CORE. | | | |
| 1 | 1.5-7.5 QUARTZ FELDSPAR PORPHYRY. Porphyritic dominantly grey fine grained matrix, weathered. Well fractured and faulted - discrete normal crackling developed and broken zones. Shearing, soft greens, relatively coherent. Trace interstitial pyrite. Phenocrysts - discrete, rounded and irregular phenocrysts to 6x8 mm, 20%. Feldspar - not supported, either removed by weathering or altered to resemble quartz. | | 1.5-7.5 pitted and porous pyr. as discrete grains to 4 mm, also trace sp. Completely leached out pyrite not in fractured zones. | 10% |
| 7 | | | | |
| 8 | 7.5-17.0 FAULTED DOLOMITE SULPHIDE LODE? Faulted and broken. Residual pyrite with brecc quartz and carbonate fragments in a matrix of pyrite black clay. Some intervals of ochreous grey fine grained pyrite rubble with very little sulphide. An examination of sludge samples reveals residual pyrite, grey quartz and sparse carbonate fragments. 4 m - 20 cm piece of fine grained qtz porphyry. | 8/F/15 ← Contact unbroken 55° | 7.5-17.0 Faulted and sheared - subsequent weathering has removed diagnostic mineral assemblages, pushing textures boundaries difficult to determine exactly. Overall recovery no more than 30%. | 7.5-17.0 py. 40-50% as porous pitted fragments. Some sparse thinnite grains and heavy black residuals? in sludge samples. | 40-50% |
| 12 | | | | |
| 16 | | ← Contact broken | | |
| 17 | 17.0-26.0 FAULT PUG. Fine grained laminated black pyrite clay, silt, flecks, with shiny inclusions interbedded with white laminae to 5 mm - more silty and brittle. Some patches of brecciated hard greenish serpentinite and crumbly carbonates with pyrite in pyrite matrix - originally serpentine sulphide lode? | F/?? | 17.0-26.0 Residual py. trace thinnite and ?cassiterite (2-3% from sludge samples) some porous fragments of py with the dolomite/serpentinite fragments. | 3% |
| 24 | | | | |
| 26 | 26.0-34.0 FAULTED DOLOMITE? Brecciated weakly recrystallised dolomite fragments with soft white pyrite mineral. 27.5-29.0 LOST CORE ZONE. Some rare greenish serpentinite fragments in upper 4 m. one fragment of a med. heavy patchy brown carbonate as found in other faulted dolomite sequences at 30.5 m. | 3/F? NC | 26.0-30.4 fragments py with recrystallised qtz fragments. 27.5-29.0 NO CORE. 26.0-30.4 See above. 30.4-34.0 Weathered-unexamined. | 10% |
| 32 | | | | |
| 34 | 34.0-38.3 SILTSTONES, SANDSTONES, minor SHALES. Siltstone and quartzite fragments with soft grey silty/shale fragments, apparently once quite well bedded. Some sparse greenish serpentinite? fragments - once interbedded noticed from borehole of dolomite! Pitted and porous due to weathering of py(?) - Fe sulphides. 37.8-38.3 LOST CORE ZONE. | 10/11/9 N.C. | 34.0-38.3 No mineralisation - too weathered. 37.8-38.3 NO CORE | - |
| 38 | 38.3-41.0 QUARTZITE? Banded grey, tough hard matrix with small holes to 1.5 mm. Quite similar to mineralised matrix in MBD 23, but appears to be clastic rather than crystalline. | 11? 1? | 38.3-41.0 No mineralisation - weathered. | - |
| 40 | | | | |
| 41 | 41.0-42.5 FAULT PUG - ?SILTSTONE or ?PORPHYRY. Finely fine grained soft white pug. 42.5-52.0 LOST CORE ZONE. Sludge samples have fragments of fine grained grey siltstones, quartzites, and residual qtz grains with a trace of pyrite. | F/10? N.C. (10/11?) | 41.0-42.5 Unmineralised - leached. 42.5-52.0 No core, trace py - sludge samples. | - <1% |
| 44 | | | | |
| 48 | | | | |
| 52 | 52.0-53.0 SILTSTONES AND SILTY SHALES. Well bedded pale grey/brown siltstones, medium grey/green siltstones, shales. | 10/1 ← 52.1 Bedding 25° ← 52.1 Bedding 30° | 52.0-53.0 Trace highly leached py in shiny beds. | <1% |
| | END OF HOLE 53.0 m. | | | |
| 56 | | | | |
| 60 | | | | |
| 64 | | | | |
| 68 | | | | |
| 72 | | | | |
| 76 | | | | |
| 80 | | | | |
| 84 | | | | |
| 88 | | | | |
| 92 | | | | |
| 96 | | | | |
| 100 | | | | |

5 cm

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

GRAPHIC LOG — SEE LEGEND ON SHEET 1

STRUCTURAL AND VEIN INFORMATION — ATTITUDE = angle between fracture and core axis

MINERALISATION

NOTES

METALS EXPLORATION LIMITED

MINERAL EXPLORATION
**DRILL LOG**
Scale 1:100

Prospect or project: MOUNT BISCHOFF

Logged by: G. BROADBENT date 22/2/80

**HOLE No.** MBD 31
LOG SHEET 2 OF 2
from 0 m. to 53.0 m.

Proved 8/5/80