

0-0.3 m. surface and surface rubble. 0.3-6.10 FAULTED DOLOMITE SULPHIDE LODES.	0		0.3-6.10 Pg, marcasite, fluorsite, trace arseno, rare sp in porous and pitted fragments to 5 cm.	20%
6.10-11.0 RECRYSTALLISED DOLOMITE, FAULTED Badly broken core - some friable weathered porous granular dolomite fragments with fluorite and hard green serpentine fragments with soft crumbly brown puggy material.	5/4/F	Broken contact.	6.1-11.0 trace pg, marcasite, sp, fluorsite in sludge sample.	
11.0-13.90 FAULTED DOLOMITE? Ochreous yellow silty pug with some sparse dolomite fragments. Some unusual white fibrous material - tremolite?	2/F	Broken contact.	11.0-13.90 sparse fragments of dolomite have pyrite-fluorsite - sp, rare cp	
13.90-16.75 FAULT PUG WITH SILTSTONE AND SHALE FRAGMENTS. Fine grained black weakly foliated Gull pug with shiny fracture surfaces and some hard grey siltstone and minor shale fragments	F/10	Broken contact.	13.90-16.75 - Mineralisation not apparent.	
16.75-36.10 QUARTZ FELSPAR PORPHYRY. Matrix pinkish-brown due to weathering, extensively fractured and broken, with minor orange-brown Fe oxide staining and bleached portions and some pitting by weathering. Upper 20-30cm fine grained - Qtz up to 2mm, 10%; feldspar brownish and altered, some removed by weathering; Fe sulphides (py-marcasite) 10% max 2mm. Phenocrysts: Qtz - milky white and translucent to 5mm 10-20% Feldspar - mostly altered to hard brownish translucent mineral, some white and weathered to soft white clay, up to 4mm, some well formed, variable 10-20%.	1	Broken contact.	16.75-24.0 pg, marcasite rims on pg grains, trace sp, arseno, cassiterite, weak trace cp and pyritish brown fluorsite. Cassiterite variable from nil to stringers over a few cm, arseno is similar. The Fe sulphides vary from 10-30% and are more or less pitted and weathered. Some qtz, sp and cassiterite on joint faces. 24.0-25.75 pg with marcasite rims, trace arseno, sp, rare cassit. Pitted and weathered 25.75-29.04 pg, marcasite, trace arseno, sp, fluorsite, weak trace cp and cassiterite 29.04-30.33 pitted pg, trace arseno, sp. Some removed by weathering. 30.33-33.5 qtz > feldspar, total 25%, matrix brownish grey and pitted. 33.5-36.1 Creamy coloured matrix with some brownish patches. Qtz and feldspar decrease in size and abundance in last 0.75m to max 2mm, 10-15%. Some patchy greenish yellow alteration of matrix in lower 0.75m.	15%
36.10-39.6? FAULT PUG WITH SILTSTONE AND SHALE FRAGMENTS As for 13.90-16.75	F/10/1	Contact broken, 40°?	36.1-39.6 As for 13.9-16.75.	
39.6-45.30? FAULTED THINLY BEDDED SILTSTONES AND SHALES Very broken core - washed fragments with poor recovery. Fragments of grey finely bedded siltstones and shales (clay rich) with brownish grey micaceous siltstones	10/4/F		39.6-45.3 sparse pyritic siltstone and shale fragments	10%
45.30-60.00 DOLOMITE, weakly altered. Medium hard fine grained grey dolomite, brecciated, with fine dark grey fractures. Some minor recrystallisation along joints parallel to the more penetrative fracture zones, and thin films of talc/serpentine along shear (?) planes. 45.3-47.1 highly fractured, shattered and bleached to an ochraceous yellow-grey color. Soft and crumbly. 47.1-50.0 Zone of later brecciation and weak alteration - large sub angular clasts of grey dolomite in a greenish matrix of talcose dolomite. Margins of dolomite clasts are bleached white and occasionally altered to green talcy material, particularly when there are sulphides in close proximity. 50.0-55.5 Medium grey dolomite with black material along brecciation fractures and a gradual increase in talc-serpentine alteration towards base of interval.	2/F	Contact broken. 46.6-65mm py-qtz-carbonate - sp-trace cp, arseno in, 70° 50.0-55.5 30cm zone py-sp - fluorsite - arseno - ? tremolite veining with talc/serpentine. 55.5-59.5 40cm sp-pg-arseno-qtz talc-serpentine veining.	45.3-47.1 sp, pg, fluorsite trace arseno as blebs and irregular masses along fractures with qtz, carbonates. 47.1-50.0 sp, pg as blebs, brecciated and stringers with qtz, carbonates and fluorsite 50.0-55.5 sp, pg, fluorsite, trace arseno as blebs, stringers etc with qtz, carbonates, minor talc/serpentine	1% 20% 1-2%
60.00-70.35 DOLOMITE SULPHIDE LODE Angular, rounded fragments of altered and recrystallised dolomite (greenish & talcose) surrounded by finely bedded greenish grey talc and serpentine with lesser qtz and carbonates. Abundant sulphides - po, py - to 30% disseminated as blebs and granular aggregates concordant with bedding	2/3	Contact 80°	55.5-60.0 trace sp, po, lesser py, arseno	1%
70.02-70.35 Some hard blue 'serpentine' with finely disseminated fluorsite. 70.35-76.15 DOLOMITE, weakly altered. 70.35-70.95 Brecciated fine grained grey dolomite, weakly recrystallised along some brecciation fractures. 70.95-71.67 Dark greenish grey talc and serpentine surrounding rounded clasts of hard pale grey dolomite. 71.67-76.15 As for 60.00-70.35, above.	4/8/7	Gradual change from 70.0-10.35	60.0-60.5 pg, sp, trace po, fluorsite 60.5-61.5 py, sp, trace arseno, sp. Fluorsite abundant, 5% 61.5-70.02 po, py, trace marcasite, sp, arseno, trace cp. Fluorsite abundant 3-5%. Sulphides irregularly distributed, ranging from 10% to more massive blebs to 90-95%. Some rare fine grained black cassiterite is visible in the lighter coloured portions. 70.02-70.35 thin, pg, po, sp, arseno 70.35-70.45 trace sp, pg, po	15-20% 20-25% 60-70%
76.15-78.43 DOLOMITE SULPHIDE LODE Dark green and grey talc with grey serpentine and minor patches of white recrystallised dolomite and calcite with a little qtz. Mottled brown/green due to pyrrhotite.	2	Contact irregular	70.45-71.67 pg, sp, trace po 71.67-76.15 sp, pg, weak trace py as blebs and grains along fractures.	20% 10%
78.43-79.36 INTERBEDDED SERPENTINITE AND SILTSTONES, SHALES. Massive green talcy serpentine intercalated with greenish sericitic shales. 79.36-83.10 SILTSTONES AND SHALES. Thinly bedded greenish grey sericitic clay rich siltstones, silty shales. Quite disintegrated in places - discontinuous bedding 1-2cm. Minor fracturing and micro-faulting, and some small discrete breccia zones 1-2cm.	2	Contact irregular	76.15-78.43 po, py, fluorsite trace sp, arseno. Blebs and grains to 5x4mm	30-40%
83.10-83.1 m	2	Gradual bedded transition ~ 4°	78.43-79.36 po, disseminated in talc, carbonates, py, qtz, fluorsite veining	2%
83.10-83.1 m	10/1	81.7, Bedding 45°	79.36-83.10 pg, finely disseminated in some siltstone beds and as very thin weathered and stringers, occasional blebs to 2-3mm	10%
END OF HOLE 83.1 m				

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

GRAPHIC LOG
STRUCTURAL AND VEIN INFORMATION
MINERALISATION
NOTES

METALS EXPLORATION LIMITED
MINERAL EXPLORATION DRILL LOG
Scale 1:100

Prospect or project Mount Bischoff
Logged by G. BRODENT date 23/1/80
HOLE No. HBD17
LOG SHEET 2 OF 2
from 0 m. to 83.1 m.
Written up 21/5/80