

| DEPTH | INTERVAL | DEPTH from-to : ROCK UNIT <i>capital letters, underlined</i> Depth: Description and notes <i>indented about 10mm</i> | POINTERS | GRAPHIC LOG | POINTERS | MINERALISATION | ASSAYS ANALYSIS | BULKED ASSAYS |
|-------|----------|---|----------|-------------|----------|----------------|--------------------|------------------|
| | | | | | | | | |

NOTES: 1. FOR ABBREVIATIONS SEE 'FIELD GEOLOGIST'S MANUAL', D.A. BERKMAN & W.R. RYALL (ED), MONOGRAPH NO. 9 AUSTRALAS. INST. MIN. METALL. - 1976
 2. ATTITUDE OF BEDDING, VEIN, ETC. IS ANGLE BETWEEN PLANAR STRUCTURE AND LONG AXIS OF CORE 3. LENGTH IS GIVEN AS METRES OR MILLIMETRES.

240m (1:1000), 120m (1:500), 60m (1:250)
 AFTER TYPING THIS SIZED FORM WILL BE PHOTO-REDUCED TO A4 SIZE

| | | | |
|-----------------------|--|----------|---|
| 0-3.0m (3.0m) | TRICONE - NO CORE | N/C | |
| 3.0-11.5 (8.5m) | <u>WEAKLY TO MODERATELY DOLOMITIC SILTSTONE/MINOR CARBONACEOUS SHALE</u> Mid-dark grey, thinly interbedded, disrupted. Dolomite present as component of sediments. Numerous stringers and veins with Qtz, Carb, Flourite, Sulphides | 10/9c/2 | Py>Sp>>Stibnite(?) Jameisonite(?) as stringers and associated with veins - 2-3%. 5.9-6.3m Vein-Carbonate, Stibnite(?)/Jameisonite(?), Py, Minor Sp, Qtz, Flourite + Talc. |
| 11.5-44.1 (32.6m) | <u>THINLY INTERBEDDED SILTSTONE/QUARTZITE/CARBONACEOUS SHALE</u> Pale-mid-dark grey, disrupted to brecciated. Minor parts foliated appearance. Thinly interbedded to rare thickly bedded Quartzite. All members weakly Dolomitic. Numerous stringers - some Py. Numerous thin veins <10mm. - Qtz/Carbonate, minor talc, rare Flourite + Sulphides. 26.3-27.8m - carbonaceous shale dominant member - foliated appearance. 28.6-34.0m - Bedding generally less disrupted | 10/11/9c | 2-3% Py Sp and Stibnite (?)/Jameisonite(?). Py As stringers and thin veins and finely disseminated through sediments in parts. Py, Sp and Stibnite(?)/Jameisonite(?) associated with Qtz/Carbonate veins 28.6-31.4m - Bedding - 60°-70° 33.8m - Bedding - 60° 37.0m - Bedding - 50° 41.1m - 50mm thick vein, sub-banded Carbonate, Sp, Py, Jameisonite(?) - 65° |
| 44.1-75.1 (31.0m) | <u>QUARTZ PORPHYRY</u> Pale to creamy grey matrix - fine grained opaque becoming re-crystallized and glassy with depth. Slightly pitted-minor weathering of Feldspars. Med. grained Qtz. phenocrysts - 20-25%. Fine to medium grained Feldspar phenocrysts - 10-15% Moderately jointed. 55.2m-15mm vein, Sp=Py > Carbonate, Flourite and Qtz - 20°. 65.4m - broken vein - 20° Py > Sp, Lesser Carbonate, Flourite, minor Qtz. | 1 | Contact approx. 35° 10-15% Py > Sp - as irregular crystal aggregates; in veins and rare pods; disseminated along joint planes. Alternating zones Sp rich (up to 5.0m) and Py rich (up to 5.0m). Total sulphides in Sp rich zones < in Py rich zones. Possible trace S _n O ₂ along joint planes. 1% Flourite - in veins, along some joints and as disseminated blebs. 70.4m- 30mm vein - 25° - Py > Qtz and Carbonate. Trace Flourite, Sp |
| 75.1-97.4 (22.3m) | <u>SILTSTONE/LESSER CARBONACEOUS SHALE</u> Mid-dark grey, thinly interbedded, moderately to severely disrupted to brecciated. Both members weakly Dolomitic. 75.1-89.0m - Numerous stringers and thin veins. 89.0-97.4 - Moderate stringers and thin veins 92.7-97.4 - less disrupted. | 10/9c | 75.6-75.8 - Qtz Porphyry - very fine grained - Top contact approx. 15°; Bottom approx. 55° 1-2% Py>> Sp - Py as stringers and as finely disseminated in some coarser sediments. Py and Sp in thin veins and associated with Qtz and/or Carbonate ± Flourite veins. 88.2m - 15mm vein - 45° - Flourite, lesser Carbonate and Py. 93.5m - Bedding - 50° 96.0m - Bedding - 45° |
| 97.4-115.4 (18.0m) | <u>SILTSTONE/CARBONACEOUS SHALE/MINOR QUARTZITE</u> Mid-dark grey, thinly interbedded, moderately to severely disrupted to brecciated - foliated appearance in parts. Carbonaceous Shale proportion equal to siltstone. Occasional moderately bedded Quartzite units. 97.4-102.0m - rare to moderate stringers and veins 102.0-115.4m - Moderate stringers, numerous veins of Qtz/Carbonate, Sulphides, ± Flourite, ± Talc | 10/9c/11 | 2-3% Py > Po, trace Sp, Marcasite. Py and Po disseminated in sediments in parts and as stringers. Sulphides generally associated with veins. 107.1m - 250mm vein - 70° top contact; 55° bottom contact. Py, Po, Sp, Qtz, Carbonate, Flourite, Talc. 113.5-250mm fine irregular vein network, Py Po + Carbonate + Talcose Sediments. |
| 115.4-122.4 (7.0m) | <u>DOLOMITE - PARTLY RE-CRYSTALLIZED</u> Pale grey - brecciated(?) in parts. Minor zones Qtz/Carbonate alteration(?). Minor talc throughout. | 2/3 | Contact 85° - defined by 100mm zone banded talcose sediments, Py, Po, |

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Prepared by:
 Date:

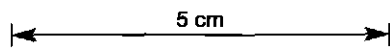
HOLE No. MBD 58
 Sheet 1 of 2

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| | | | | |
|-----|---------------------|--|-------------|--|
| 120 | 115.4-122.4 (7.0) | CONT'D. FROM PREVIOUS SHEET 121.8-122.4 - Contorted banded appearance (D.S.L. 8(7)) | 2/3 8(2) | 115.4-120.7 - NO SULPHIDES 120.7-122.4 - 2-3% Py >> Po |
| | 122.4-137.9 (15.5m) | SILTSTONE/LESSER CARBONACEOUS SHALE AND QUARTZITE Mid-dark grey, minor light grey patches and pods. Thinly interbedded - moderately to severely disrupted to brecciated. Numerous veins and stringers. Veins to 80mm thick - contain Qtz and/or Carbonate ± trace Flourite with light to heavy Sulphide mineralization. | 10/9c/11 | Contact - 30mm zone of contorted Talc and Talcose sediments. 1-3% - Py > Po - disseminated in sediments in parts; as stringers and associated with veins. Trace Sp, Flourite, Cp and Graphite. 130.0m- 80mm vein - 75° - Py + minor Qtz, Carbonate and Talc; trace Graphite. |
| | 137.9-144.6 (6.7m) | QUARTZITE/MINOR SILTSTONE AND CARBONACEOUS SHALE Pale to mid grey, darker mottley to banded zones. Quartzite weakly re-crystallized and micaceous. Massive to weakly banded to thinly interbedded. | 11/10/9c | 1-2% Py and Po + Trace Sp - disseminated through coarser sediments, as stringers and associated with veins. 140.1m - Bedding 35° 140.7m - 20mm Vein - 65° Qtz/Carbonate |
| | 144.6-150.0 (5.4m) | SILTSTONE/LESSER QUARTZITE/MINOR CARBONACEOUS SHALE Mid-dark grey, thinly interbedded, disrupted. Moderate veins and stringers. | 10/11/9c | 1-2% Py > Po >> Sp - minor disseminated amounts as discrete pods. Also as stringers and in Qtz/Carbonate veins |
| | | END OF HOLE 150.0m | | |

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Prepared by: I. MORRISON
Date: 12/3/81

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