

SULFIDE VISUAL CORE DESCRIPTION WORKSHEET

169- 1035 F 12R/1

Observer: GZ/PST

SITE/HOLE/CORE/SECTION

BARREL SHEET SUMMARY:

SULFIDE-VEINED SEDIMENT

20% sulfide overall.

| cm | Piece number | Graphic representation | Orientation | Drilling Disturb. | Structures | Samples |
|-----|-----------------|------------------------|-------------|-------------------|------------|---------|
| 0 | 1 | | ↑ | | | |
| 10 | a | | | | | |
| 20 | 2 | | ↑ | | ↑ | |
| | b | | | | ≡ | |
| 30 | 3 | | | | | |
| 40 | 4 | | ↑ | | ≡ | |
| 50 | 5 | | ↑ | | | |
| 60 | 6 | | | X | | |
| | 7 | | | | | |
| 70 | 8 | | ↑ | | | |
| 80 | 9 | | ↑ | | | |
| 90 | 10 | | ↑ | | | |
| 100 | 11 ^a | | | | | |
| | b | | | | | |
| 110 | 12 | | ↑ | | ↑ | |
| | b | | ↑ | | ≡ | |
| 120 | 13 | | ↑ | | ≡ | |
| 130 | 14 | | ↑ | | ≡ | |
| 140 | 15 | | | X | | |
| 150 | | | | X | | |

Pieces 1 to 15: greenish gray (5Y 6/1), hydrothermally altered silty mudstone, parallel laminated to cross-bedded; lesser beds of fine sandstone. Crosscut by a network of anastomosing networks of irregular veins (<1mm to 1cm wide) of predominantly f.g. pyrrhotite with lesser pyrite & chalcopyrite & sphalerite. Veins contain envelopes of dark green, f.g. chlorite (+muscovite?).

Piece #8 contains significant 1-2mm strigera of high Fe sphalerite + chalcopyrite + pyrite (stronger concentrations than other pieces)

Pieces #2, 3, 8, 10 contain 1-2mm irregular, discontinuous veinlets of late anhydrite which crosscut all sulfides.

OVERALL 20% sulfides; 3% chlorite (of which 90% is pyrrhotite, 10% chalcopyrite is 4%, pyrite 4%, sphalerite 2%. moderately indurated.

Veins predominantly high angle to subvertical in pieces 2, 3, 4, 5, 8, 9, 12. & brecciated in pieces 8 and 9! / 8, 9, 12. & brecciated. Some pieces contain prominent (<1 to 5mm) subhorizontal pyrrhotite veins (pieces 2, 12, 13, 14).

<1mm to 10mm rounded pyrrhotite blebs throughout.