

SULFIDE VISUAL CORE DESCRIPTION WORKSHEET

169-1035F-11R-02

Observer: WDB

SITE/HOLE/CORE/SECTION

BARREL SHEET SUMMARY:

Sulfide-veined Sediment

cm	Piece number	Graphic representation	Orientation	Drilling Disturb.	Structures	Samples
0	1		↑	X		
10	2		↑	X		
20	3			X		
30	4		↑	X	≡	
40	5			X	≡	
50	6			X		
60	7			X		
70	8			X		
80	9			X	≡	
90	10			X		
100	11			X		
110	12			X		

Pieces 1-12 (0 - 78cm)

Pale gray hydro-thermally altered (N6) interbedded mudstone and siltstone cut by an anastomosing network of sub-vertical to bedding-plane parallel massive pyrrhotite veins that are simple to complex (multiple generations), <1m to 2cm in width, and composed (in addition to pyrrhotite) of up to 20% chalcopyrite. The chalcopyrite forms fine-grained blebs and disseminations within massive pyrrhotite ^(up to 30% in veins). The host rocks within and adjacent to pyrrhotite veins are altered to a med. green chlorite. Some veins have very narrow chlorite selvages (<1mm). Later white anhydrite veins composed of euhedral xtals occur within some pyrrhotite veins. The entire sequence was probably hydraulic fractured prior to vein formation. Cu content appears to increase down core 11R. Sediments also become more silicified with depth in the core (e.g. piece 9).