

SULFIDE VISUAL CORE DESCRIPTION

169- 1035A-20R-1

SITE/HOLE/CORE/SECTION

BARREL SHEET SUMMARY:

Observer: W.D.G.

lith name Sulfide-veined Sediment

Major Lithology: Turbiditic Siltstone and Sandstone, and hemipelagic mudstone impregnated with Cu-Fe-sulfide (Isocubanite?)

cm	Piece number	Graphic representation	Orientation	Drilling Disturb.	Structures	Samples	Sulfide %
0	1						
10	2		X		chl		
10	3						
10	4		X				2-10%
10	5						
10	6		X				2-10%
10	7						
10	8		X				
10	9						
10	10		X		S ₂		2-10%
10	11				Vs		
10	12		X				
10	13				Vs		
10	14		X				2-10%
10	15						2-10%
10	16		X		chl S ₂		2-10%
10	17		X		 chl		
10	18						
10	19		X				
10	20						
10	21		X				
10	22						
10	23		X				2-10%
10	24						
10	25		X				
10	26						
10	27		X				
10	28						
10	29		X				
10	30						
10	31		X				

Pale gray (N7) to pale greenish gray (5G 6/1) siltstone, sandstone and mudstone impregnated with Cu-Fe-sulfides (isocubanite?). Sulfides are disseminated + form blebs up to to 3 cm diameter.

Dark bluish gray, ^(5B 4/1) weakly silicified sedimentary rock with impregnations of Cu-Fe-sulfide. Vugs < 1mm ~~are~~ lined with euhedral quartz. (5B 4/1)

Greenish gray (5B 6/1) hydrothermally altered + indurated sediment with impregnations of Cu-Fe-sulfide. ~~pseudomorphing anhydrite~~ anhydrite. ~~Clastic texture.~~

Bluish gray (5B 6/1) hydrothermally silicified sedimentary breccia with Cu-Fe-sulfides filling anhydrite molds

Greenish gray, ^(5E 4/1) hydrothermally altered interbedded siltstone, sandstone and mudstone with disseminations and blebs of Cu-Fe-sulfides. Cu-Fe-sulfides also forms bands along bedding planes. Some sulfides form ~~to~~ pseudomorphically after a bladed mineral which was probably anhydrite. Molds are locally present and lined with euhedral quartz (pieces 23, 26 22). piece 18 is brecciated.