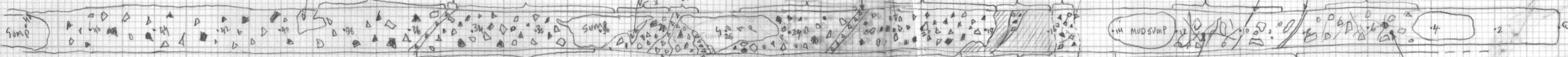


TRENCH 93-6 (DWH 92-11)

DEM 08/93

End of trench at 5m



Black matrix hydrothermal breccia consisting of fine grained siliceous angular clasts in a matrix of siliceous zone. Matrix is highly variable. All clasts are siliceous. Is this a hydrothermal eruption?

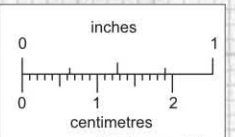
Black Matrix Breccia
Degree of silicification of matrix decreasing along trench. Clast still siliceous. Frequency of breccia veins decreasing.

Mamiv siliceous zone. Rock is buff to cream colored with a sugary texture. Abundant vuggy cavities - ammonite filled. The unit shows a variety of breccia textures including incipient, micritic, jagged and full rotational.

Black matrix hydrothermal breccia consisting of completely siliceous angular clasts in a matrix of black flow. Matrix is dark brown to black and contains abundant fine grained pyrite. Both matrix and clasts overprinted by pervasive silica. This contains vuggy cavities with orange ls.

Heterolithic breccia (M10x2). Rock consists of fragment supported heterolithic breccia with poorly sorted - angular to sub angular clasts. Most clasts identified includes andonite, argillite/mudstone, siltstone and siltstone. The clasts sit in a olive green to yellow matrix made up mostly of rock chips.

Altered clasts. Colomite pervasively alters on dense clasts. Clasts also contain Bz stringers that are truncated at clast boundary.



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

Wolf 093F/03
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