Cruise Id: F10-89-CP Size: 20 x 11 x 8.5 (cm) Location: Karin Seamount

Sample Id: KS-D1-5 Weight: 1.5 (kg) Depth: 1705-1815 (m)

Mn Crust Description

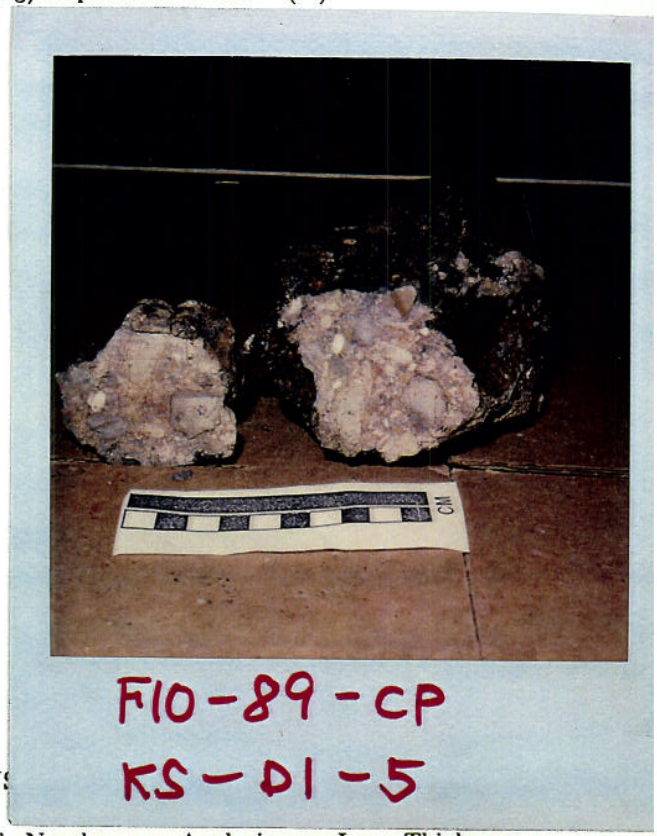
Surface Texture: Smooth

Mn Crust Thickness (mm):

Min: <1 Max: 2 Ave: 1

Layers (Outer to Inner)(mm):

	Min	Max	Ave	Texture & Color
1.				
2.				
3.				
4.				
5.				
6.				



Comments and XRD Mineralogy:

indentations on some sides w/ Mn to 10mm Thick

ANALYS

Subsample Number	Analysis	LayerThickness

Substrate Description

Rock Type: Volcanic breccia

Corse to fine grained, ~~poorly sorted~~, angular to sub rounded clasts

Description:

Clasts of highly altered volcanic rocks and phosphorite grains in a matrix of fine-grained volcanic debris and phosphorite cement

large variety of volcanic rock types most are highly altered -

Biology ?:

Described By: Yoos

Subsampled By: