Cruise Id: F10-89-[illegible] Size: 10 x [illegible] x 6 cm (cm) Location: Karin Ridge

Sample Id: KS-D1-10 Weight: ~[illegible] kg (kg) Depth: [illegible] (m)

Mn Crust Description

Surface Texture: botryoidal

Mn Crust Thickness (mm):
Min: 45 Max: 50 Ave: 47

Layers (Outer to Inner)(mm):

	Min	Max	Ave	Texture & Color
1.	7	11	10	vitreous fracture slightly porous; dark black
2.	18	22	20	parallel fractures, Dense massive, black vitreous
3.	10	16	14	Dense massive, black vitreous
4.				
5.				
6.				

Comments and XRD Mineralogy:
(Pea m colored) phosphorite & phosphorite breccia infilling fracture between layers 2 & 3 and also filling fracture in layer 2 and 3

ANALY

Subsample Number	Analysis	LayerThickness
KS-D1-10 A	CC/XRD	Bulk (439
KS-D1-10B	CC/XRD	layer 1 (15 gm
KS-D1-10C	CC/XRD	layer 2 (41 gm
KS-D1-10D	CC XRD	layer 3 (19 gm
KS-D1-10	DPTS.	

Substrate Description

Rock Type: Basalt

Description: altered, aphanitic w/ iron staining; gray

Biology ?: encrusting forams

Described By: Subsampled By: