DREDGE 41

Dredge Sample Summary Sheet

Sample ID	Bulk CC	Layer CC	Pt & Au	Ree	OC	DPTS/TS	XRD	35mm Photo	Paleo	Archive
D41-1A	✓		✓	✓			✓			
-1B		✓	✓	✓			✓			
-1C		✓	✓	✓			✓			

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 ~~F11-90-CP~~ Cut Size (cm): 12.5X10X5.5 Location: SW Rift Seth Guyot

Sample Id: 41-1 Weight (kg): 1.0 Depth (m):

Mn Crust Description

Surface Texture: granular

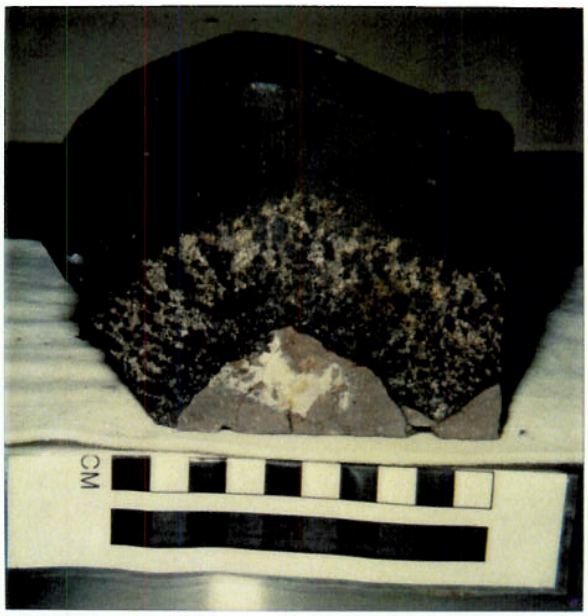
lizard skin

Mn Crust Thickness (mm):

Min: 50 Max: 73 Ave: 60

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	20	34	26	Black dense moderately porous
2				some red alteration
3	30	39	34	Black porous Mn very vuggy
4				vugs filled with sediment
5				foram sand & some phosphorite
6				minor sediment recrystallization



D41-1

Comments and XRD Mineralogy:

Subsamp

D41-1A CC, XRD, Pt, REE Bulk Crust

D41-1B " " " " layer 1

D41-1C " " " " " 2

Substrate Description

Rock Type: Basalt

Greyish brown

D41-1A 65.8g 0-72 mm

-1B 206.4g 0-32 mm

-1C 225.2g 32-73 mm

Description:

Aphanitic Basalt w/ minor olivine & plag phenocrysts. (black phenocrysts pyroxene or amphibole?)

phosphorite & a micro Phosphorite-basalt breccia filling voids & fractures

Some zeolites in voids or fracture

Biology (?):

Described by: JW

Subsampled by: JW