DREDGE 42

Dredge Sample Summary Sheet

Sample ID	Bulk CC	Layer CC	Pt & Au	Ree	OC	DPTS/TS	XRD	35mm Photo	Paleo	Archive
D42 - 1A	✓		✓	✓			✓			
-1B		✓	✓	✓			✓			
-1C		✓	✓	✓			✓			
-1D		✓	✓	✓			✓			

SAMPLE DESCRIPTION

Cruise Id: ~~F11-90-CP~~ Tunes 6 Size (cm): cut 18 X 8 X 4½ Location: SW rift Seth Guyot

Sample Id: D42-1 Weight (kg): 0.88 Depth (m):

Mn Crust Description

Surface Texture: Partially abraded granular brand stain

Mn Crust Thickness (mm):

Min: 18 Max: 60 Ave: 36

other side 20 23 20

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	6	20	12	Brownish Black porous altered
2	other side 6	8	7	sediment filled pores or vugs
3	12	40	24	Brownish black dense
4	other side 14	15	14	to moderately porous
5				Some alteration
6				Few pebble sized clasts near the bottom in the mn

TUNES 6

D42-1

Comments and XRD Mineralogy:

Subsamp

D42-1A CC, XRD, PT, REE Bulk Crust

D42-1B " " " " layer 1

D42-1C " " " " " 2

D42-1D XRD botryoidal crystals in vug (See photo)

Other Side of Rock

D42-1A 37.8g 0-20 mm

D42-1B 22.1g 0-7

D42-1C 26.6g 7-20

Substrate Description

Rock Type: Basalt Breccia

Brown Orange

Description: Altered, very vesicular to rare vesicular basalt clasts w/ olivine and/or plag phenocrysts Zeolite? line vesicles & fractures, outline clasts

Biology (?): Some calcite fill vesicles

Phosphorite in voids Mn & Phosphorite cement

Described by: JW

Subsampled by: 1 large Phosphorite clast