DREDGE 25

Dredge Sample Summary Sheet

Sample ID	Bulk CC	Layer CC	Pt & Au	Ree	OC	DPTS/TS	XRD	35mm Photo	Paleo	Archive
D25-1	✓						✓			
D25-2A	✓						✓			
2B					✓	✓	✓			
D25-3A	✓		✓	✓			✓			
-3B		✓	✓	✓			✓			
-3C		✓	✓	✓			✓			
-3D		✓	✓	✓			✓			
-3E					✓		✓			
-3F							✓			
-3E,F						✓				

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 ~~F11-90-CP~~ Size (cm): 17x9x8½ Location: Batiza

Sample Id: D25-1 Weight (kg): 1.03 Depth (m):

Mn Crust Description

Surface Texture: Smooth abraded

Mn Crust Thickness (mm):

Min: 44 Max: 70 Ave: 55

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	44	70	55	Black dendritic to mottled botryoid toward the bottom
2				
3				porous.. some cracks
4				sediment in vugs
5				
6				

4 layers

Tunes 6
D25-1

Comments and XRD Mineralogy:

Subsample

D25-1 XRD, CC Bulk crust
74.8g 0-55mm

Substrate Description

Rock Type: Hyaloclastite

Yellow-green

Description: Altered Hyaloclastite with Mn impregnation minor phosphorite

Biology (?):

Described by: JW

Subsampled by: JW

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 ~~F11-90-CP~~ Size (cm): 10½ × 10 × 5.4 cut Location: Batiza

Sample Id: D25-2 Weight (kg): 0.53 Depth (m):

Mn Crust Description

Surface Texture: Smooth abraded

Nodule

Mn Crust Thickness (mm):

Min: 2 Max: 43 Ave: 21

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	2	43	21	Blackish Brown to Black, porous
2				& vuggy
3				Sediment & phosphorite in vugs
4				alteration around
5				near surfaces
6				inner is less alterated

Tunes 6
D25-2

Comments and XRD Mineralogy:

Subsam

D25-2A CC, XRD Bulk Crust
D25-2B XRD, OC, TS Substrate

Substrate Description

Rock Type: Limestone

Cream

Description: massive carbonate with holes & cracks lined or filled with Mn oxide. minor phosphoritization alteration in the Mn oxide

Biology (?):

D25-2A 17.6g 0-19mm
D25-2B 25.2g

Described by: JW

Subsampled by:

SAMPLE DESCRIPTION

Cruise Id: ~~FT1-90-CP~~ Tunes 6 Size (cm): 13½ x 10½ x 8½ cut Location: Batizo

Sample Id: D25-3 Weight (kg): 1.3 Depth (m):

Mn Crust Description

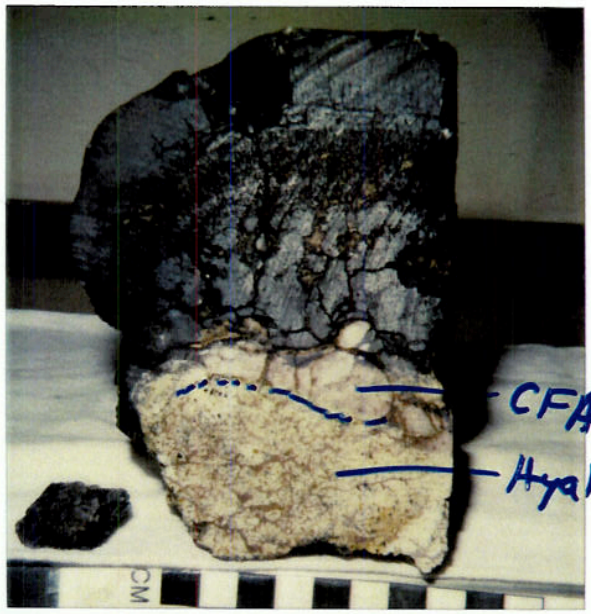
Surface Texture:

Mn Crust Thickness (mm):

Min: 40 Max: 85 Ave: 73

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	10	25	18	Black dense moderately porous dentritic
~~2~~				
2 ~~3~~	18	22	19	Black, dentritic to mottled, porous vugs filled with sediment
~~4~~				
3 5	13	38	36	Black, dense
6				some vugs filled w/ sediment



D25-3 Tunes 6

Comments and XRD Mineralogy:

Subsa

D25-3A	XRD, CC, Pt, REE		Bulk Crust
D25-3B	" " " "		layer 1
D25-3C	" " " "		layer 2
D25-3D	" " " "		" 3
D25-3E	XRD, OC		hyaloclastite
D25-3F	XRD		Substrate
D25-3EJF	TS		CFA Layer

Substrate Description

Rock Type: phosphatized Hyaloclastite greenish yellow

Description: phosphatized Hyaloclastite with minor Mn oxide impregnation

Biology (?):

Described by: JW

D25-3A	87.3 g	0-83 mm
D25-3B	53.6 g	0-24 mm
D25-3C	48.7 g	24-46 mm
D25-3D	65.2 g	46-80 mm
D25-3E	34.9 g	

Subsampled by: JW

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 ~~F11-90-CP~~ Size (cm): cut 11 x 7.5 x 6.5 Location: Batiza

Sample Id: D25-4 Weight (kg): 0.65 Depth (m):

Mn Crust Description

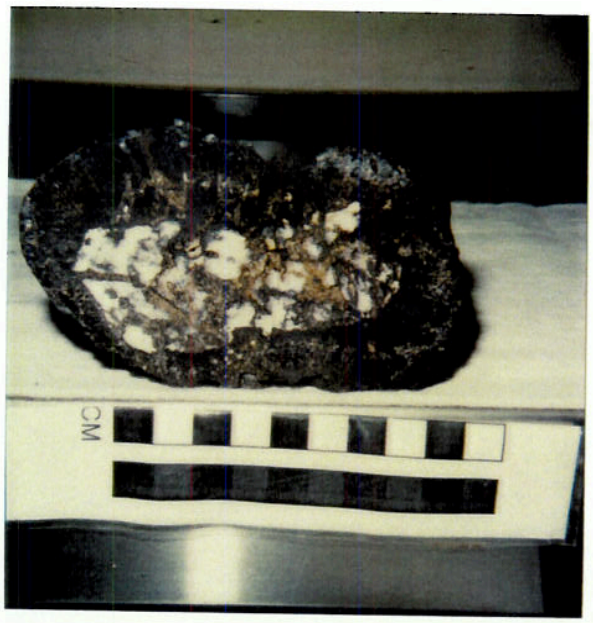
Surface Texture: Smooth
Abraded
Nodule

Mn Crust Thickness (mm):

Min: 5 Max: 27 Ave: 20

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	5	27	20	Black porous
2				& vuggy
3				vugs filled w/
4				sediment
5				some alteration
6				along edges



Tunes 6
D25-4

Comments and XRD Mineralogy:

Subs

Substrate Description

Rock Type: phosphorite
beige

Description: phosphorite with carbonate mend in cracks and Mn oxide impregnation

Biology (?):

Described by: JW

Subsampled by: