DRIDGE 22

Dredge Sample Summary Sheet

Sample ID	Bulk CC	Layer CC	Pt & Au	Ree	OC	DPTS/TS	XRD	35mm Photo	Paleo	Archive
D22-1A	✓		✓	✓			✓			
-1B					✓	✓	✓			
D22-2	✓						✓			

SAMPLE DESCRIPTION

W. Side of Batiza Guyot

Cruise Id: Tunes 6 Size (cm): cut 13 X 7.8 X 5.5 Location: ~~V2-01-CB~~

Sample Id: D22-1 Weight (kg): 0.05 Depth (m):

Mn Crust Description

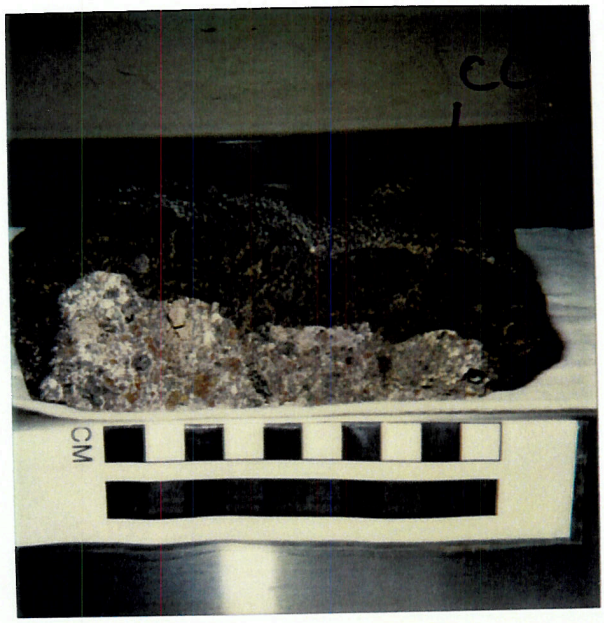
Surface Texture: Granular Desert Skin

Mn Crust Thickness (mm):

Min: 16 Max: 31 Ave: 21

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	16	31	21	Black, porous, dendritic altered
2				
3				
4				
5				
6				



Tunes 6
D22-1

Comments and XRD Mineralogy:

Subsampl

D22-1A	CC, XRD, REE, Pt	Basalt crust
D22-1B	CC, XRD, TS	Substrate
D22-1A	0-30 mm	64.8g
D22-1B	67.8 g	

Substrate Description

Rock Type: Amygdaloid Basalt

Grey

Description:

Vesicular Porphyritic Basalt w/ altered olivine and pyroxene

Lots of Vesicles are filled

Biology (?): w/ unknown light greenish white & cream coloured minerals

Described by: JW Subsampled by: JW

poss. zeolite phosphorite?

rare sulfide

SAMPLE DESCRIPTION

W. side of Batiza Guyot

Cruise Id: Tunes 6 Size (cm): 8x 7x 4.1 Location: ~~V2-91-CP~~

Sample Id: D22-2 Weight (kg): 0.135 Depth (m):

Mn Crust Description

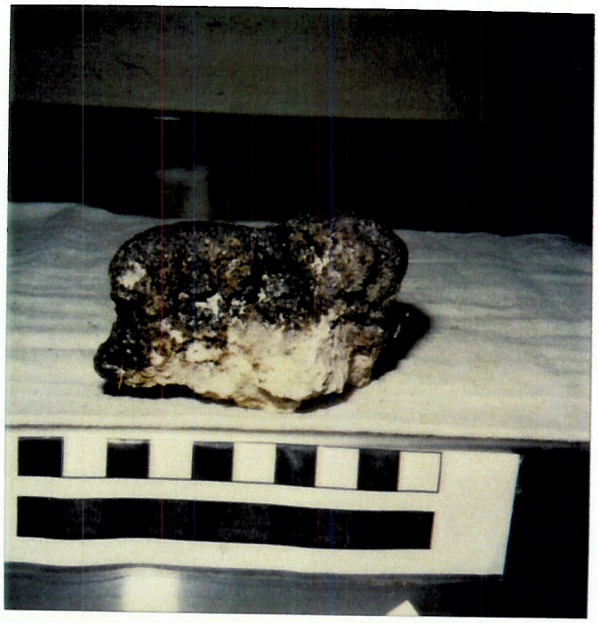
Surface Texture: Granular Botryoids

Mn Crust Thickness (mm):

Min: Patina Max: 27 Ave: 20

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	Patina	27	20	Black, porous
2				some oxidation wet
3				foram sand filling
4				vugs
5				
6				



Tunes 6
D22-2

Comments and XRD Mineralogy:

Subsam

D22-2 XRD, CC Bulk Crust
24.1g 0-22

Substrate Description

Rock Type: Limestone

Tan
Tuff?

Description: light compaction
scoria-like texture - moldic porosity
forams & minor Mn oxide
in vesicles

Biology (?): encrusting forams

Described by: JW

Subsampled by: JW

SAMPLE DESCRIPTION

Batiza Guyot

Cruise Id: Tunes 6 Size (cm): 5.8 x 4.5 x 4.5 Location: ~~V2-91-CP~~

Sample Id: D22-3 Weight (kg): 0.12 Depth (m):

Mn Crust Description

Surface Texture: Smooth

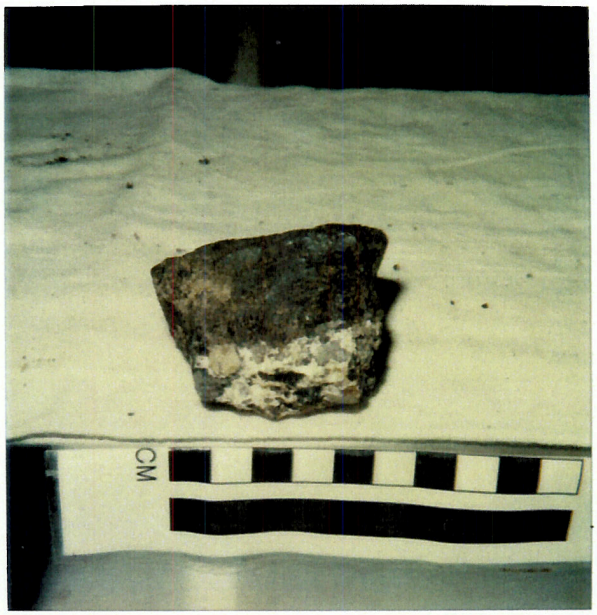
Botryoids

Mn Crust Thickness (mm):

Min: 17 Max: 25 Ave: 20

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	17	25	20	Black, porous
2				alterated
3				
4				
5				
6				



Tunes 6
D22-3

Comments and XRD Mineralogy:

Subsamp

Substrate Description

Rock Type: Sedimentary Breccia

Description: Grey-black-Greenish Yellow clasts in white Poorly sorted subrounded pebble sized clasts (hyaloclastite, Mn, misc clasts) in a carbonate matrix (Phosphatized) same Mn oxide impregnation

Biology (?): Encrusting forams

Described by: bassett, mudsk, Lms, clasts Subsampled by:

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Size (cm): cut 9 X 7½ X 29 Location: Bailiza Guyot ~~V2-91-CP~~

Sample Id: D22-4 Weight (kg): 0.165 Depth (m):

Mn Crust Description

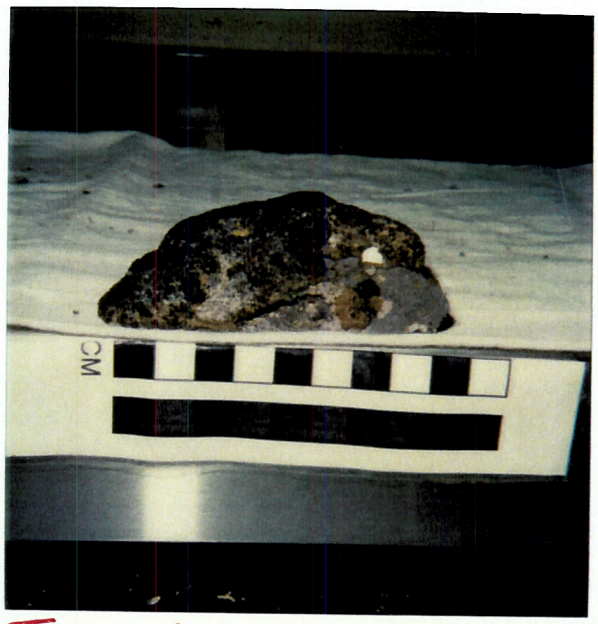
Surface Texture: Smooth botryoids

Mn Crust Thickness (mm):

Min: 3 Max: 15 Ave: 10

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	3	15	10	brownish black ~~ferrous~~ altered Mn
2				
3				
4				
5				
6				



Tunes 6
D22-4

Comments and XRD Mineralogy:

Subsamp

Substrate Description

Rock Type: Vesicular Basalt Grey

Description: Aphanitic vesicular basalt with some altered phenocrysts and calcite crystal or carbonated mud filling the vesicles

Biology (?):

Described by: JW

Subsampled by: