DREDGE 38

Dredge Sample Summary Sheet

Sample ID	Bulk CC	Layer CC	Pt & Au	Ree	OC	DPTS/TS	XRD	35mm Photo	Paleo	Archive
D38-1A	✓						✓			
-1B		✓					✓			
-1C		✓					✓			
D38-2-2a	✓						✓			
D38-2-1						✓	✓			

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 ~~FIT-90-CP~~ Size (cm): cut 13.3X8X4 Location: Bellerve Guyot

Sample Id: D38-1 Weight (kg): 0.59 Depth (m):

Mn Crust Description

Surface Texture: Smooth
lizard skin
bottom granular

Mn Crust Thickness (mm):

Min: 43 Max: 61 Ave: 52

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	24	31	29	Black dense ~~Slightly porous~~
~~2~~				Some alteration near surface
2 ~~3~~	19	30	23	Black dense ~~very vesicular~~
~~4~~				(intermixing of ~~sediment~~ + Mn)
~~5~~				Sediment filled
~~6~~				vugs some ~~sediment~~ recrystallized

Comments and XRD Mineralogy: there's calcite + phosphorite

D38-1 TUNES6

Subsam

D38-1A	CC, XRD	Bulk Crust
D38-1B	CC, XRD	layer 1
D38-1C	" "	layer 2

Substrate Description

Rock Type: Highly altered basalt or hyaloclastite

Orange-Red

Description:

D38-1A	84.8g	0-55 mm
-1B	70.0g	0-28 mm
-1C	44.7g	28-57 mm

Biology (?):

Described by: JW

Subsampled by: JW

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Size (cm): cut 11 x 7½ x 5½ to 6 x 4 x 3½ Location: Bellevue Guyot ~~V3-91-NP~~

Sample Id: D38? Weight (kg): 1.25 Depth (m):

Note: Unlabelled Dredge possibly D38

Mn Crust Description

Surface Texture: Smooth abraded

Nodules

Mn Crust Thickness (mm):

Min: 4 Max: 2.2 Ave: 12

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	4	2.2	12	Black, dense
2				to porous
3				some with pores or vugs filled
4				w/ sediment
5				all have some
6				phosphorite in the Mn & some Hematite

Comments and XRD Mineralogy:

Subsampl

D38-2-2a CC, XRD bulk Crust

D38-2-1 TS, XRD substrate

D38-2-2a 25.6g 0-13mm

Substrate Description

Rock Type: ① Tan wackestone

(2a) Grey vesicular aphanitic Basalt w/ minor altered phenocrysts and zeolite filling the vesicles.

(2) Basalt-Phosphorite breccia

Description:

③ Phosphorite + hyaloclastite Breccia

Biology (?):

Described by: Subsampled by:

JW