DREDGE 18

Dredge Sample Summary Sheet

Sample ID	Bulk CC	Layer CC	Pt & Au	Ree	OC	DPTS/TS	XRD	35mm Photo	Paleo	Archive
D18-1A	✓		✓	✓			✓			
-1B		✓	✓	✓			✓			
-1C		✓	✓	✓			✓			
D18-3							✓			
D18-5A	✓						✓			
-5B					✓	✓	✓			

PC
✓

Diamond up numbers

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Size (cm): cut 14x6½x3½ Location: South Wake ~~V2-91-CP~~

Sample Id: D18-1 Weight (kg): 0.365 Depth (m):

Mn Crust Description

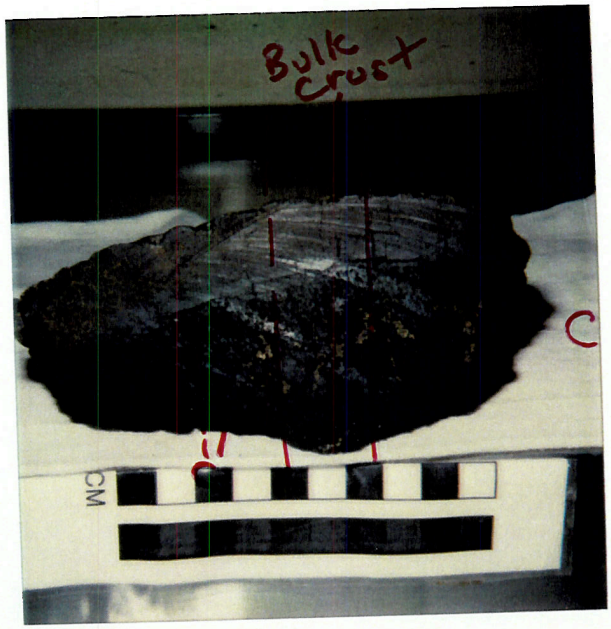
Surface Texture: Smooth eroded botryoids - elongate

Mn Crust Thickness (mm):

Min: 35 Max: 68 Ave: 56

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	16	22	18	Black, porous, some alteration
2	19	46	38	Black, dentritic to mottled porous + vuggy
3				some sediment in pores, some
4				alteration
5				
6				



Tunes 6
D18-1

Comments and XRD Mineralogy:

Subsamp

D18-1A	CC, XRD, Pt, REE	Bulk Crust
D18-1B	" " " "	layer
D18-1C	" " " "	"

D18-1A	0-68	60.2g
D18-1B	0-18	56.2g
D18-1C	18-56	55.2g

2 layers of sediment was taken out

Substrate Description

Rock Type: NONE

Description:

Biology (?): encrusting forams

Described by: JW

Subsampled by: JW

was taken as D18-3

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Size (cm): cut 21x8.9x4 Location: South Wales ~~V2-91-CP~~

Sample Id: D18-2 Weight (kg): 0.92 Depth (m):

Mn Crust Description

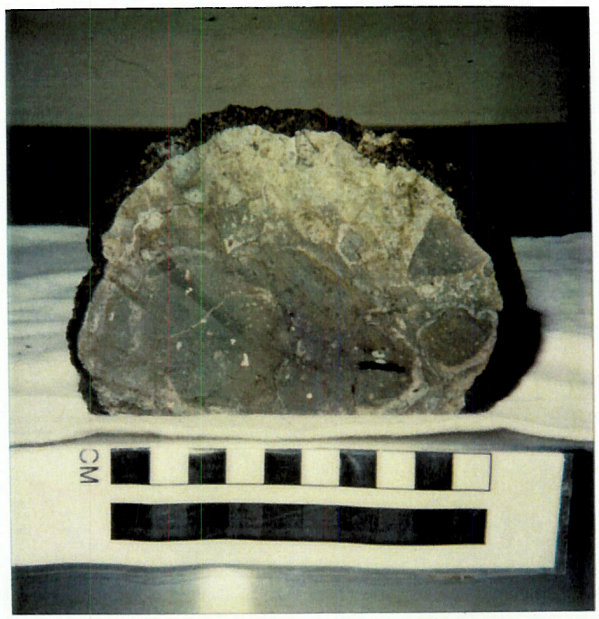
Surface Texture: Granular to Smooth botryoids nodule

Mn Crust Thickness (mm):

Min: 2 Max: 12 Ave: 5

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	2	12	5	Black, porous
2				some alteration
3				
4				
5				
6				



Tunes 6
D18-3

Comments and XRD Mineralogy:

Subsamp

D18-3 XRD Substrate matrix

Substrate Description

Rock Type: Basalt breccia

Description: Altered "basalt clasts in hyaloclastite (green!) matrix with some zeolite cement & minor phosphorite cement

Biology (?):

Described by: JW

Subsampled by: JW

was ... D18-5

SAMPLE DESCRIPTION

Cruise Id: Tunes 6 Cut Size (cm): _____ Location: ~~V2-91-CP~~ South Wake

Sample Id: D18-3 Weight (kg): 0.26 Depth (m): _____

Mn Crust Description

Surface Texture: Smooth to Granular

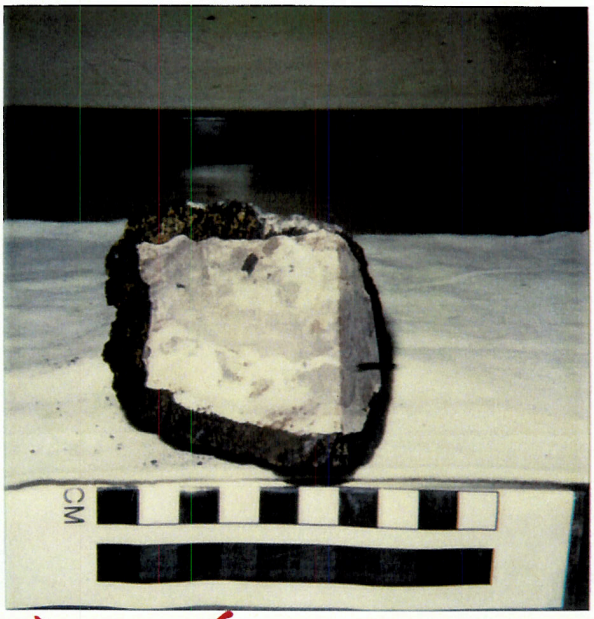
Seamount Nodule

Mn Crust Thickness (mm):

Min: 5 Max: 15 Ave: 10

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1	5	15	10	black, porous
2				some alteration
3				
4				
5				
6				



Tunes 6
D18-5

Comments and XRD Mineralogy:

Substrate Description

Rock Type: Phosphorite Breccia

differentially phosphatized Lms - Beige + Grey CFA

Description: Clast in CFA Cement

minor Mn oxide impregnation

Biology (?):

Subsamp

D18-5A XRD, CC Bulk Crust
0-8mm 11.3g
D18-5B XRD, OC, PC, DDTS 43.9g
Substrate

↑ part w/ Smooth Surface

Described by: JW

Subsampled by: JW