Dredge 23

D23

Chunk B

Dredge Sample Summary Sheet

Sample ID	Bulk CC	Layer CC	Pt & Au	Ree	OC	DPTS/TS	XRD	35mm Photo	Paleo	Archive
D23-1									(2) X	
D23-2						2 X	2 X			
D23-3										
D23-4									X	

SAMPLE DESCRIPTION

Cruise Id: F11-90-CP Size (cm): — Location: CHuuk B

Sample Id: D23-1 Weight (kg): 0.75 Depth (m): 2400-2200

Mn Crust Description

Surface Texture: —

Mn Crust Thickness (mm):

Min:_____ Max:_____ Ave:_____

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1				
2				
3				
4				
5				
6				

No Photo

Comments and XRD Mineralogy:

Substrate Description

Rock Type: Foraminiferal ooze

Description: White with Tan ooze interdisbursed

Biology (?):

Described by: G.S.

Analyses

Subsample No.	Analysis	Layer Thick.	Wt.(g)
D23-1A	Paleo	white w/ Tan	
D23-1B	Paleo	tan	

both presented - in Rose Bengal

Subsampled by: G.S.

SAMPLE DESCRIPTION

Plus several small pebbles

Cruise Id: F11-90-CP Size (cm): 13 x 10.5 x 6.5 Location: CHuuk B

Sample Id: D23-2 Weight (kg): 1.5 Depth (m): [illegible]

Mn Crust Description

Surface Texture: PATINA

Granular to smooth

Mn Crust Thickness (mm):

Min:_____ Max:_____ Ave:_____

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1				
2				
3				
4				
5				
6				

D23-2

Comments and XRD Mineralogy:

small pebble

Mn crust with piece of black glass attached

- alteration rim red

Mn lines some burrows & Fractures

Subsamp

D23-2A TS, XRD white w/ bedding

D23-2B TS, XRD tan - bioturbat

Substrate Description

Rock Type: Consolidated Foraminiferal Limestone

2-3 generations of burrowing

1 generation of boring

Description: Relic bedding (Cross-bedding?) Planes are bioturbated toward the bottom. The bioturbated area is dark tan that has leached into the non bioturbated area.

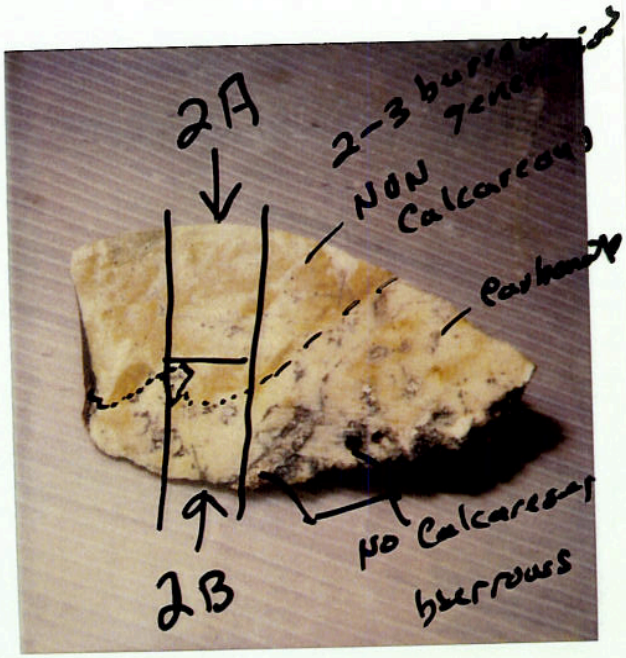
Several generations of burr

Biology (?): Borings at top are Manganese lined [illegible] with [illegible] [illegible] Veins of Manganese through out.

Described by: G.S.

Subsampled by: G.S. Hein

Tiny gastropods in large [illegible] Foraminifera brown burrowed area


2A
2-3 burrow
NON Calcareous
carbonate
2B
no Calcareous
burrows

D23-2

SAMPLE DESCRIPTION

Cruise Id: F11-90-CP Size (cm): small to large pebbles Location: Chunk B

Sample Id: D23-3 Weight (kg): 0.709 Depth (m): 3400-3200

Mn Crust Description

Surface Texture:

Mn Crust Thickness (mm):

Min: Max: Ave:

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1				
2				
3				
4				
5				
6				

No Photo

Comments and XRD Mineralogy:

Analyses

Subsample No.	Analysis	Layer Thick.	Wt.(g)

Substrate Description

Rock Type: Pumice

Description: subrounded to sub angular [illegible] to dark gray

Biology (?):

Described by: G.S.

Subsampled by:

182

SAMPLE DESCRIPTION

Cruise Id: F11-90-CP Size (cm): [illegible] Location: Chunk B

Sample Id: D23-4 Weight (kg): 1 Depth (m): 2400-3200

Mn Crust Description

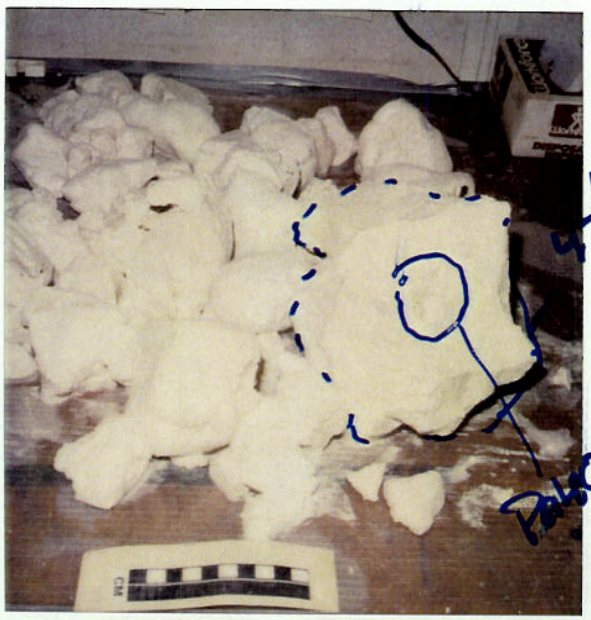
Surface Texture:

Mn Crust Thickness (mm):

Min:_____ Max:_____ Ave:_____

Outer to Inner Layers (mm)

	Min	Max	Ave	Texture & Color
1				
2				
3				
4				
5				
6				



Comments and XRD Mineralogy:

Su

D23-4-1 Paleo

Substrate Description

Rock Type: White Foraminiferal limestone

Description: Consolidated but soft.

Biology (?):

Described by: GS.

Subsampled by: