DREDGE SAMPLE LOG

			JD	LOCAL
CRUISE	KODOS97-4	DATE	240 2[illegible]	8-30-97
STATION	6		GMT	LOCAL
DREDGE	D6	TIME	on off	
DEPTH INTERVAL(m)	[illegible]	LATITUDE (N,S)	on off	
DEPTH(m) CORRECTED	1740-1660	LONGITUDE (E,W)		

TOTAL WEIGHT : DREDGE 0.01Kg CRUST 0.005Kg

%OF ROCK COVERED BY CRUST 0

%BROKEN FROM : OUTCROP 33 TALUS 67

THICKNESS OF CRUST : MAX 30 MIN 22mm AVG 26

D6

DOMINANT SURFACE TEXTURE smooth with [illegible] granular

SUBSTRATE LITHOLOGY crust fragment, one small [illegible] 2cm x 3cm

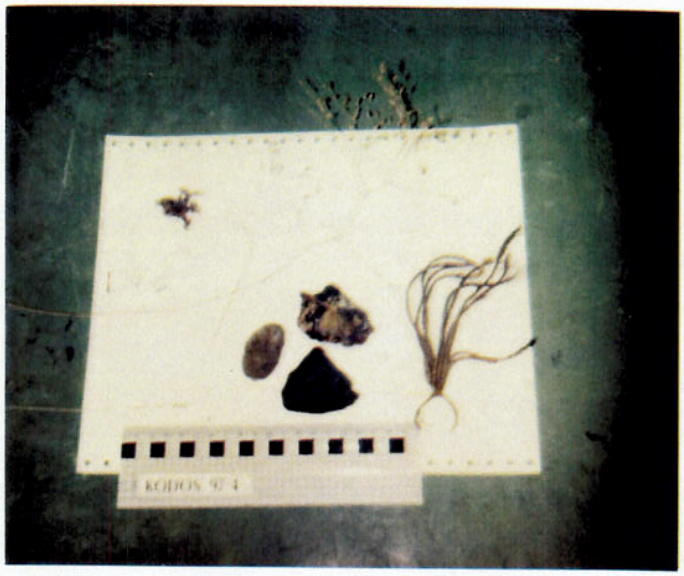
It is not known whether these 3 rocks (pebbles) were left out from D5 or collected on D6 — The biology is definitely 6D

NODULES PRESENT ♀ Phosphorite [illegible] — dense, [illegible] brown [illegible] — porous white

REMARKS:

recovered 3 rocks. 1) 50-ml crust fragment
2) small dark brown [illegible]
3) "pumice fragment"

All [illegible] 3 biology [illegible] one looks like a [illegible]
[illegible]



KODOS 97-4
D 6

SAMPLE DESCRIPTION

Cruse Id: KODOS97-4 Size(cm): 11.5x4x2.5 Location: Lomilik

Sample Id: DG-1 Weight(kg): 0.06 Depth(m): 1740-1660

Mn Crust Description

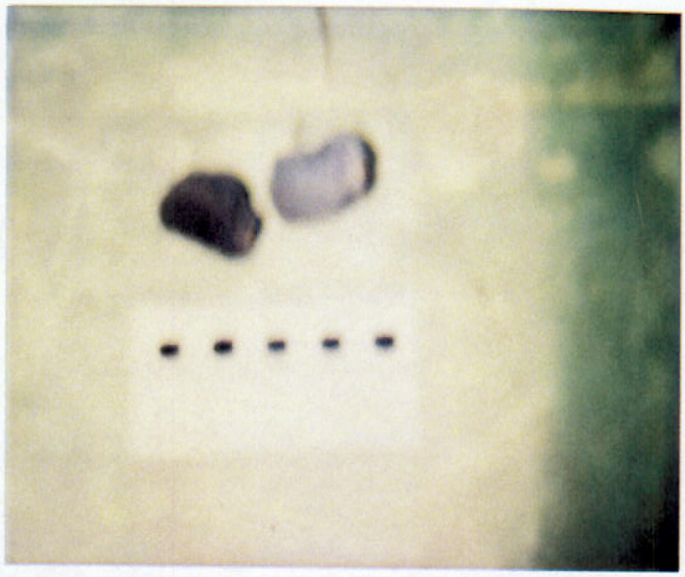
Surface Texture: Smooth & granular

Mn Crust Thickness(mm):

Min: 22 Max: 22 Ave: 22

Outer to Inner Layers(mm)

	Min	Max	Ave	Texture & Color
1	22	22	22	Massive black
2				
3				
4				
5				
6				



KODOS 97-4
DG-1

Comments and XRD Mineralogy:

Analyses

Subsample No.	Analysis	Layer Thick.	Wt.(g)
All to Kordi			

Substrate Description

RockType: no substrate

Description: crust has CFA veins

Biology:

Described by: S. Zielinski

Subsampled by:

SAMPLE DESCRIPTION

Cruise Id: KODOS97-4 Size(cm): 5x4x2 Location: Lomilik
Sample Id: DG-2 Weight(kg): 0.05 Depth(m): 1740-1660

Mn Crust Description

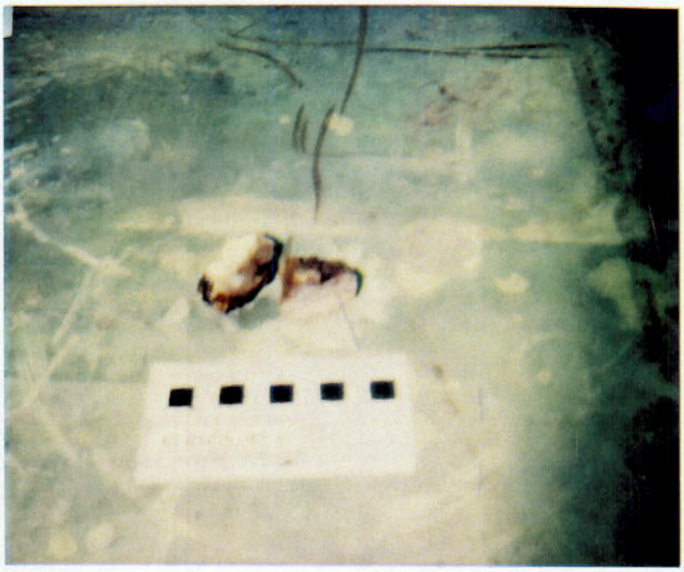
Surface Texture: patina

Mn Crust Thickness(mm):

Min: patina Max: _____ Ave: patina

Outer to Inner Layers(mm)

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



DG-2

Comments and XRD Mineralogy:

Analyses

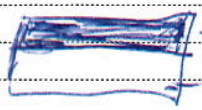
Subsample No.	Analysis	Layer Thick.	Wt.(g)

All to Kordi

Substrate Description

RockType: phosphorite

Description: phosphorite w/ Mn dendrites



- dense compact, massive brown
- porous white

Biology:

Described by: S. Zielinski

Subsampled by:

SAMPLE DESCRIPTION

Cruse Id: KODOS97-4 Size(cm): 4.0x2.5x2.0 Location: Lomilik

Sample Id: DG-3 Weight(kg): 0.015 Depth(m): 1740 - 1660

Mn Crust Description

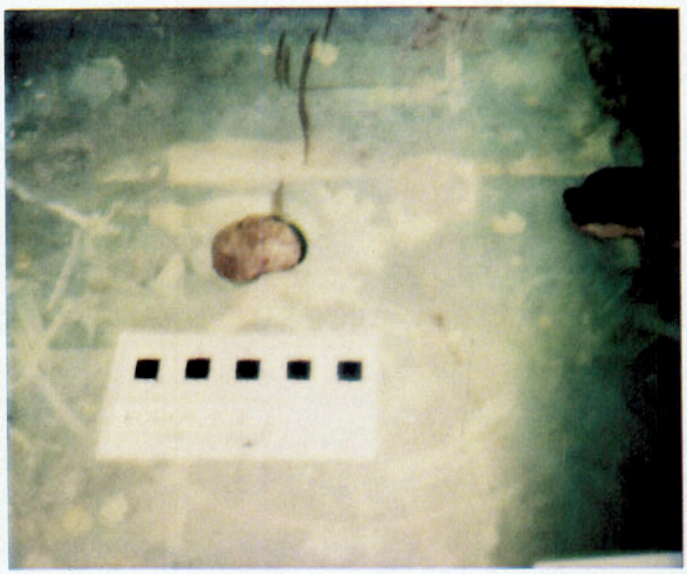
Surface Texture: none

Mn Crust Thickness(mm):

Min: Max: Ave:

Outer to Inner Layers(mm)

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



DG-3

Comments and XRD Mineralogy:

Analyses

Subsample No.	Analysis	Layer Thick.	Wt.(g)
	All to KORDI		

Substrate Description

RockType: pumice

Description: tan pumice

Biology:

Described by: S. Zielinski

Subsampled by:

DREDGE OPERATIONS LOG

			JD	LOCAL
CRUISE	KODOS97-4	DATE	240 24	8-30-97
STATION	5	CHIEF SCIENTIST	Moore/Nein	
DREDGE NO.	D6	TECH ON WATCH	Lee	
DEPTH INTERVAL(m)	1744 – 1463			
corrected depth	1740 - 1660			

	ON STATION	DREDGE ON BOTTOM	DREDGE OFF BOTTOM	OFF STATION
GMT	17:42	18:17	20:41	21:47
Lat	11° 42'	11° 41.1	11° 40.3	11° 40.2
Lon	161° 41'	161° 40.5	161° 40.3	161° 40.4
depth	1818	1744	1463	1464

Site Description and Target:

dredging, 1700 ~ 1500 m

wire out

Operation*	GMT	Depth(m)	Wire Out(m)	Tension	HDG/SPD	Comments
on bottom	18:19	1744	1910	0.8	161° / 1.3	
beginning drdg	18:22	1725	2200	0.8	152° / 1.2	11° 41.0, 161° 40.5
dredging	18:27	1714	2230	0.4		
"	18:29	1713	2246	0.4	140° / 0.4	11° 40.9 161 40.4
Small Bites	18:37	1695	2298	1.1, 1.3	140 / 0.5	11° 40.8 161. 40.4
"	18:41			1.4		
"	18:42	1670		1.7		
"	"	1680		2.0 1.8 1.9	160 / 0.5	11° 40.7 161. 40.4
"	18:43	1686		1.8, 1.9, 2.0		
"	18:44	1674		2.3 2.2,		
"				2.1		
Good bite		1668		2.7, 2.4, 2.6	160 / 0.6	11° 40.7 161° 40.4
"	18:46			2.4		
"	"	1666		2.5 2.6		

*on/off bottom, bites, etc.

Other Comments:

2/2

DREDGE OPERATIONS LOG

			JD	LOCAL
CRUISE	KODOS97-4	DATE	~~240~~ 241	8/30/97
STATION	6	CHIEF SCIENTIST	Moon / Hein	
DREDGE NO.	D6	TECH ON WATCH	Lee	
DEPTH INTERVAL(m)	1744-1463			

ON STATION	DREDGE ON BOTTOM	DREDGE OFF BOTTOM	OFF STATION
	See	page 1	

Site Description and Target:

Operation*	GMT	Depth(m)	Wire Out(m)	Tension	HDG/SPD	Comments
Good bites	18:46			2.7		
"	18:51	1642	2228	1.6	144 / 0.6	11°40.7 / 161°40.3
position	18:57	1603		1.3 1.2	139 / 0.7	11°40.67 / 161.40.29
small bites	19:07	1550	2097	1.1, 1.3	160 / 0.4	11°40.6 / 161°40.2
"	19:14	1506	2032		118 / 0.6	11°40.5 / 161.40.2
"	19:22	1499	1950	1.6		
position	19:26	1496	1907	1.29 1.3	113 / 0.31	11°40.53 / 161°40.17
off bottom	20:41	1463	1462	1.1, 1.0	157° / 0.5	11°40.3 / 161°40.3
off station	21:07	1464		0.5		11°40.2 / 161°40.4

*on/off bottom, bites, etc.

Other Comments: