DREDGE SAMPLE LOG

			JD	LOCAL
CRUISE	KODOS97-4	DATE	240	8-30-97
STATION	5		GMT	LOCAL
DREDGE	[illegible]	TIME	on [illegible] off [illegible]	[illegible]
DEPTH INTERVAL(m)	[illegible]	LATITUDE (N,S)	on [illegible]	off [illegible]
DEPTH(m) CORRECTED	Same	LONGITUDE (E,W)	[illegible]	

TOTAL WEIGHT : DREDGE 0.1 CRUST 0

%OF ROCK COVERED BY CRUST 0

%BROKEN FROM : OUTCROP 0 TALUS 100

THICKNESS OF CRUST : MAX ____ MIN ____ AVG ____

DOMINANT SURFACE TEXTURE None

SUBSTRATE LITHOLOGY 4 Pumice pebbles

D5

NODULES PRESENT 0

REMARKS: Lots of Mn on dredge [illegible] no lithos

SAMPLE DESCRIPTION

Cruse Id: KODOS97-4 Size(cm): 6.5x5.5x2.5 to 3.5x2x1 Location: Lomilik

Sample Id: D5-1 Weight(kg): 0.09 Depth(m): 1860-1640

Mn Crust Description

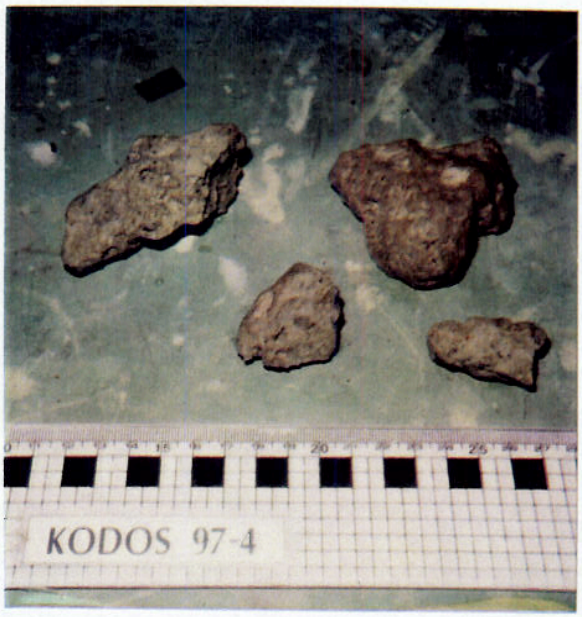
Surface Texture: none

Mn Crust Thickness(mm):

Min: / Max: / Ave: /

Outer to Inner Layers(mm)

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



D5-1 KODOS 97-4

Comments and XRD Mineralogy:

Substrate Description

RockType: pumice

Description: 4 pieces tan pumice

Biology:

Described by:

Susie Zielinski

Analyses

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

All to KORDI

Subsampled by:

DREDGE OPERATIONS LOG

			JD	LOCAL
CRUISE	KODOS97-4	DATE	240	8-30-97
STATION	5	CHIEF SCIENTIST	MOON / HEIN	
DREDGE NO.	D5	TECH ON WATCH	LEE	
DEPTH INTERVAL(m)	1860 – 1640			

	ON STATION	DREDGE ON BOTTOM	DREDGE OFF BOTTOM	OFF STATION
GMT	13:10	13:57	16:29	17:01
Lat	11° 41.96	11° 42.17	11° 40.6	11° 40.5
Lon	161° 40.91	161° 40.86	161° 40.4	161° 40.3
Depth	1848	1861	1644	1483

Site Description and Target:

Operation*	GMT	Depth(m)	Wire Out(m)	Tension	HDG/SPD	Comments
on bottom	13:57	1861	1910	0.6	110°/0.8	
beginning dredge	14:04	1853	2200	0.9	127°/1.4	11° 42.07, 161° 40.86
dredging	14:13	1840	2250	0.8	129°/1.2	11° 41.90, 161° 40.89
Small bite	14:19	1829	2234	1.5	138°/1.2	11° 41.81, 161° 40.84
dredging	14:29	1814	2180	1.0	135°/1.4	11° 41.64, 161° 40.77
"	14:39	1800	2160	0.9	132°/1.0	11° 41.51, 161° 40.7
"	14:49	1780	2163	0.9	139°/1.0	11° 41.36, 161° 40.63
"	14:54	1760	2167	0.9	139°/1.0	11° 41.19, 161° 40.59
Small bite	15:02	1751	2169	1.4	"	"
"	15:06	1750	2163	1.5	149°/0.6	11° 41.09, 161° 40.53
dredging	15:10	1734	2187	1.0		
"	15:15	1724	2205	1.1	139°/1.0	11° 40.94, 161° 40.48
Small bite	15:21	1707	2237	1.4	136°/1.2	11° 40.84, 161° 40.44
dredging	15:23	1696	2250	1.1		ending point planned before

*on/off bottom, bites, etc.

Other Comments:

DREDGE OPERATIONS LOG

			JD	LOCAL
CRUISE	KODOS97-4	DATE	240	8·30·97
STATION	5	CHIEF SCIENTIST	Moum / Nam	
DREDGE NO.	D5	TECH ON WATCH	Lee	
DEPTH INTERVAL(m)	1860-1640			

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
small bite	15:27	1685	2240	1.6	167 / 0.7	11° 40.80 160. 40.40
"	15:28	"	2235	1.5	"	"
"	15:30	1670	2225	1.6	166° / 1.0	11° 40.76 161° 40.37
"	15:31	"	2223	1.6		
"	15:32	1650	2214	1.6		
"	15:34	1630	2207	1.6		
"	15:36	1600	2183	1.5		
dredging	15:40	1532	2180	1.1	158° / 0.9	11° 40.63, 161° 40.35
"	15:45	1500	2146	1.3		
small bite	15:48	1506	2122	1.6	205° / -1.0	11° 40.52, 161 40.18
"	15:49		2114	1.5		
"	15:50	1547	2112	1.6	205 / -1.0	11° 40.52, 161. 40.18
"	15:51		2090	1.5		
"	15:52	1580	2081	1.6		

*on/off bottom, bites, etc.

Other Comments:

DREDGE OPERATIONS LOG

			JD	LOCAL
CRUISE	KODOS97-4	DATE	240	8-30-97
STATION	5	CHIEF SCIENTIST	Moore / Mein	
DREDGE NO.	D5	TECH ON WATCH	Lee	
DEPTH INTERVAL(m)	1860-1640			

ON STATION	DREDGE ON BOTTOM	DREDGE OFF BOTTOM	OFF STATION
		16:29	17:01
See	page	11° 40.6	11° 40.5
	1	161° 40.4	161° 40.3
		1644	1483

Site Description and Target:

Operation*	GMT	Depth(m)	Wire Out(m)	Tension	HDG/SPD	Comments
small bite	15:55	1577	2058	1.6	259°/-1.0	11° 40.70, 161° 40.35
"	15:58		2034	1.6		
"	15:59	1589	2028	1.7		
dredging	16:04	1580	1970	1.2	220°/0.4	11° 40.60, 161° 40.20
"	16:14	1597	1880	1.1	260°/-0.9	11° 40.70, 161 40.30
	16:24	1637	1757	1.2	278°/-0.8	11° 40.6°, 161. 40.3
off the bottom	16:29	1644	1679	1.3	268/-0.8	11 40.6 161 40.4

*on/off bottom, bites, etc.

Other Comments: