PROTOCOL DREDGE

Cruise No. SO 37	Stat. No. Equipm. 16 DK	Location III	Area J
Date 25.5 1985	Protocol written by : Petersen / [illegible]		

Pinger on wire 300 m from dredge

	Time GMT	Latit. N	Longit. W	Water depth	Wire length	Tension (t)	Remark
begin operation	12,575	15°41,31'	170°20,2	1627	0	—	
begin lowering	1302	15° 41.29	170°20.18	1578	0	—	
+1. bottom contact	1338	15° 41.35'	170° 19.74'	1710	1800	1.7	
SHIP MOVING FOWARD	1340	15° 41.32	170° 19.74'	1698	2000	1.8	
	1352	15°41.26'	170°19.97'	1471	2100	3.2	
	1353	15°41.276	170°20.02	1400	2100	5.0	
	1355	15°41.28	170°20.02	1400	2100	5.2	
	1357	15° 41.28'	170°20.03	1413	2100	7.8	
	1358	15°41.30	170°20.02	1421	2108	5.8	
"HUNG UP" - NOT DREDGING	1406	15°41.40'	170° 19.99'	1374	2085	6.2	
SHIP PAYS OUT. 50m OF CABLE THEN HEAVE	1415	15° 41.54	170° 19.91	1431	2084	2.2	
CHANGE CRS 085° AND HEAVE	1430	15° 41.92'	170° 19.53'	1600	1950	2.9	
DREDGE FREE AND COMING UP.	1500.	15° 41.30'	170°21.27	1878		2.3	
begin heaving	1359	15° 41.30'	170° 20.02	1372	2108	7.5	
end heaving	1541	15° 41.95	170° 21.97	1630	—	—	
end operation	1542	"	"	"	—	—	

+Corrected data 15° 40.79' 170° 21.48

ship course 245° calcul. mean water depth.....m

total time of bottom contact 82 min ship velocity.....kts

bottom topography ..... length of dredge section .....m

Result BAG EMPTY EXCEPT FOR 4 PEBBLES (1 CRUST SAMPLE)

0 kg Total ....kg Substrate

....kg Nodules ....kg Sediment

S037 16 DS — Station Data — 5-25-85

Pinger on wire 300 m

	Time GMT	Lat N	Long W	Water Depth	Wire length	Tension
Begin operation	12:57.5	15°41'34"	170°20.2"	1627	0	
Begin lowering	13:02	15°41'28"	170°20'18"	1578	0	
+1. Bottom Contact	13:38	15°41'35"	170°19'74"	1710	1800	1.7
"Hung up"	14:06	15°41'40"	170°19.99"	1314	2095	6.2.
Dredge free	15:00	15°41'30"	170°21.27"	1878		2.3
Begin heaving	13:54	15°41'30"	170°20'.02"	1372	2108	7.5
End heaving	15:41	15°41'95"	170°21.97"	1630	—	—
End Operation	15:42	-do-	-do-	-do-	—	—

Ship course 245°
Total time on bottom 82'

Bag empty except for 4 pebbles

1. Phosphorite
2. Hyaloclastite, Nontronite-altered
3. Basalt?, vesicular, plagioclase, px phyric
4. Tonalite? vesicular, sanidine + phyric

} we took no Samples