PROTOCOL DREDGE

Cruise No. SO 37	Stat. No. Equipm. 50 ~~DK~~ DS	Location IV	Area /
Date 31/-5 1985	Protocol written by : Herzig		

Pinger on wire 300 m from dredge JD 151

	Time GMT	Latit. N	Longit. W	Water depth	Wire length	Tension (t)	Remarks
begin operation	1352	15°39.710	169°17.415	1589	0	0	—
begin lowering	1358	15°39.711	169°17.404	1585	0	0.2	—
+1. bottom contact	1433 (!)				700m		Problem mit Fieren, Draht steht Achtern Schlecht
	14[illegible]	15°39.946	169°17.[illegible]	1578	1560	0.[illegible]	
off [illegible]	1[illegible]	1[illegible]39.615	169°17.296	1530	15.30	1.2	
				never moved up-slope			
	4:50 - 10						Only 20 minutes [illegible] dredge [illegible]
							Pinger-bo[illegible] distance = 20m
							have been following contour [illegible] up hill [illegible] min[illegible]
begin heaving	1517	15°39.795	169°17.[illegible]	1546	1850	[illegible]	
end heaving	1549	15°39.519	169°17.128	1529	0	[illegible]	
end operation							

+Corrected data

ship course ....[illegible]. calcul. mean water depth.....m

total time of bottom contact..31..min ship velocity..1...kts

bottom topography [illegible] length of dredge section .....m

Contour - Flat

Result

..0..kg Total ..0..kg Substrate

..0..kg Nodules ..0..kg Sediment

5037 50 DS

Station Data

pinger on wire 300 m. from dredge

	Time (GMT)	Lat N	Lon W	Water Depth	Wire Length	Tension
Begin Operation	13:52	15° 39' 710"	169° 17' 415"	1589	0	0
Begin Lowering	13:58	15° 39' 711"	169° 17' 404"	1585	0	0.2
#1 bottom Contact	14:43	~~15°~~ →			700 m	
→	14:58	15° 39' 946"	169° 17' 296"	1575	1560	0.8

— No recovery — (never moved up-slope)
(problems with cooperation from bridge, machinery)

Begin Heaving	15:17	15° 39' 795"	169° 17' 409"	1546	1850	1.2
End Heaving	1549	15° 39' 519"	169° 17' 178"	1529	0	0.2

Ship course 180° – 45

Total time of bottom contact: 31 min
dredged along contour, – flat
ship velocity: 1 kt