

**Appendix 3. Subsamples of H.M.S. Challenger Collection (NHM)**

Challenger Sta.	Latitude			Longitude			Depth (fathoms)	Lithology	Method	NHM M No.	Diatom Abundance	Diatom Preservation	Radiolaria Abundance	Radiolaria Preservation
	Deg.	Min.	Dir.	Deg.	Min.	Dir.								
152	60	52	S	80	20	E	1260	Diatom ooze	sounding	M186	abundant	good	—	—
157	53	55	S	108	35	E	1950	Diatom ooze	trawl	M191	abundant	good	abundant	good
157	53	55	S	108	35	E	1950		surface-net diatoms	M191	abundant	good	—	—
188	9	59	S	139	42	E	28	Green mud		M243	barren	—	—	—
189	9	36	S	137	50	E	25	Green mud		M244	barren	—	—	—
190	8	56	S	136	5	E	49	Green mud	sounding	M245	barren	—	—	—
225	11	24	N	143	16	E	4475	Radiolarian ooze	sounding	M289	very rare	moderate	abundant	good
236	34	58	N	139	29	E	775	Green mud		M301	abundant	moderate	—	—
238	35	18	N	144	8	E	3950	Red clay	sounding	M303	abundant	moderate	few	moderate
241	35	41	N	157	42	E	2300	Red clay	trawl	M306	abundant	moderate	common	poor
244	35	22	N	169	53	E	2900	Red clay	sounding	M309	abundant	moderate	abundant	good/poor
253	38	9	N	156	25	W	3125	Red clay	sounding	M317	barren	—	rare	moderate
263	17	33	N	153	36	W	2650	Red clay	sounding	M331	very rare	—	very rare	poor
265	12	42	N	152	1	W	2900	Red clay	dredge	M333	rare	poor/moderate	abundant	good/moderate
266	11	7	N	152	3	W	2750	Radiolarian ooze	sounding	M334	very rare	poor/moderate	common	moderate
267	9	28	N	150	49	W	2700	Radiolarian ooze	small residue	M335	very rare	poor/moderate	—	—
268	7	35	N	149	49	W	2900	Radiolarian ooze	washed residue	M336	very rare	poor	abundant	moderate
270	2	34	N	149	9	W	2925	Radiolarian ooze	sounding	M338	abundant	moderate/good	abundant	moderate
271	0	33	S	151	34	W	2425	Globigerina ooze	sounding	M339	moderate	poor/moderate	abundant	good
272	3	48	S	152	56	W	2600	Radiolarian ooze	sounding	M340	very rare	poor	abundant	good
274	7	25	S	152	15	W	2750	Radiolarian ooze	mud shifted trawl	M342	rare	poor/moderate	abundant	moderate
295	38	7	S	94	4	W	1500		tow-net at trawl	M366	nearly barren	—	—	—
300	33	42	S	78	18	W	1375	Globigerina ooze	sounding	M372	nearly barren	—	very rare	moderate
332	37	29	S	27	31	W	2200	Globigerina ooze	mud from tow-net	M404	moderate	moderate	rare	good/moderate
347	0	15	S	14	25	W	2250	Globigerina ooze	sounding	M418	abundant	poor/moderate	common	moderate
348	3	10	N	14	51	W	2450	Radiolarian ooze	dredge	M419	rare	poor	common	moderate
348	3	10	N	14	51	W	2450		tow-net at dredge	M419	nearly barren	—	—	—