

**Appendix 4. A new Subsample list from the H.M.S. *Challenger* original Station samples**

Challenger Sta.	Latitude			Longitude			Lithology	Depth (fathoms)	Method	NHM M No.	Radiolaria Abundance	Radiolaria Preservation
	Deg.	Min.	Dir.	Deg.	Min.	Dir.						
206	17	54	N	117	14	E	Blue mud	2100	sounding		abundant	good
220	0	42	S	147	0	E	Globigerina ooze	1100	sounding	M284	abundant	moderate
224	7	45	N	144	20	E	Globigerina ooze	1850	Dredged	M288	abundant	good
231	22	1	N	137	8	E	Blue mud	2250	sounding		abundant	moderate
245	36	23	N	174	31	E	Red Clay	2775	sounding		abundant	good/moderate
247	35	49	N	179	57	W	Red Clay	2530	sounding		abundant	moderate
252	37	52	N	160	17	W	Red Clay	2740	sounding	M316	very rare	poor
256	30	22	N	154	56	W	Red Clay	2950	Dredge as it come up	M320	very rare	moderate
269	5	54	N	147	2	W	Radiolarian ooze	2550	sounding	M337	common	poor
285	32	36	S	137	43	W	Red Clay	2375	"Red clay"	M357	very rare	poor
293	39	4	S	105	5	W	Globigerina ooze	2025	sounding	M364	absent	—
296	38	6	S	88	2	W	Globigerina ooze	1825	Globigerina ooze		very rare	poor
298	34	7	S	73	56	W	Blue mud	2225	sounding	M369	common	moderate/poor
302	42	43	S	82	11	W	Globigerina ooze	1450	Mud from Travel		rare	moderate
318	42	32	S	56	29	W	Blue mud	2040	sounding	M390	common	moderate
323	35	39	S	50	47	W	Blue mud	1900	sounding		rare	moderate
325	36	44	S	46	16	W	Blue mud	2650	sounding	M397	very rare	moderate
335	32	24	S	13	5	W	Pteropod ooze	1425	Mud from Nets at Dredge	M407	few	moderate
338	21	15	S	14	2	W	Globigerina ooze	1990	Dredged	M408	rare	moderate