

RESIDUE.				ADDITIONAL OBSERVATIONS.
Per cent.	Siliceous Organisms.	Minerals.	Fine Washings.	
...	Sponge spicules and Diatoms.	Quartz, felspar, glauconite, mica, magnetite.	Amorphous clayey and organic matter.	The deposits in these soundings were nearly the same as at 560 fathoms on January 14 (Station II <sub>D</sub> ), but none was preserved for subsequent examination. From 900 fathoms the dredge came up full of mud.
33·16	(2·00 %), a few Radiolaria and Sponge spicules, one or two arenaceous Foraminifera, a few imperfect casts.	(2·00 %), m. di. 0·06 mm., angular; felspar, augite, hornblende, tourmaline, glassy volcanic particles, quartz sometimes rounded.	(29·16 %), amorphous matter, many minute fragments of minerals and siliceous organisms.	A few imperfect casts of pelagic Foraminifera remained after treatment with dilute acid. Only one or two of the organisms are macroscopic.
...	...	...	...	No deposit obtained; line carried away.
32·46	(1·00 %), a few Radiolaria, Sponge spicules, Lituolidae.	(5·00 %), m. di. 0·07 mm., angular; lapilli, felspar, augite, magnetite, glassy volcanic fragments, pumice.	(26·46 %), ferruginous amorphous matter, fragments of minerals and fine portions of siliceous organisms.	A few particles of volcanic rocks measured 0·15 mm. in diameter or larger. Much magnetite and many brown altered glassy particles were observed.
...	...	...	...	Deposit quite similar to the next. Trawl brought up several specimens.
25·28	(1·00 %), Radiolaria, a few Sponge spicules, <i>Haplophragmium</i> .	(3·00 %), m. di. 0·06 mm., angular; quartz, felspar, lapilli, augite, glassy volcanic fragments.	(21·23 %), amorphous matter, many minute mineral particles and fragments of siliceous organisms.	Among the minerals were a few rounded quartz grains, some of which were covered with limonite.
46·87	(1·00 %), Radiolaria, Sponge spicules, <i>Hyprammia</i> , <i>Haplophragmium</i> , a few imperfect casts.	(5·00 %), m. di. 0·13 mm., rounded and angular; fragments of volcanic rocks, plagioclase, magnetite, orthoclase, manganese grains, augite, olivine, glassy volcanic particles, quartz, hornblende.	(40·87 %), amorphous matter, minute fragments of minerals and siliceous organisms.	A few brown casts of the Foraminifera remained after treatment with dilute acid. The Coccoliths are notably large.
3·73	Sponge spicules.	(1·00 %), m. di. 0·25 mm., angular and rounded; basaltic rock fragments, glassy volcanic particles, olivine, augite, magnetite, felspar.	(2·73 %), fine mineral fragments and some amorphous matter.	The organisms and minerals had mostly a slight coating of manganese. Some fragments of rocks measured nearly 1 cm. in diameter.
61·60	(1·00 %), a few Sponge spicules.	(40·00 %), m. di. 0·07 mm., angular; lapilli of vesicular basalt, felspar, augite, magnetite, olivine, glassy volcanic particles.	(20·60 %), fine fragments of minerals, amorphous matter, and a few minute fragments of Sponge spicules.	Some of the Gasteropods, Lamellibranchs, Pteropods, and Heteropods in this deposit are macroscopic; much olivine and magnetite present.
70·80	(1·00 %), Sponge spicules, <i>Astrorhizidae</i> .	(15·00 %), m. di. 0·06 mm., angular; numerous lapilli of vesicular basalt, augite, magnetite, felspar, glassy volcanic particles.	(54·80 %), amorphous matter, many small fragments of minerals, a few fragments of siliceous organisms.	

England to Gibraltar—  
continued.

Gibraltar to Madeira.

Off Madeira.