

RESIDUE.				ADDITIONAL OBSERVATIONS.
Per cent.	Siliceous Organisms.	Minerals.	Fine Washings.	
22.87	(1.00 %), Radiolaria, Sponge spicules, Lituolidae, one or two Diatoms.	(1.00 %), m. di. 0.07 mm., angular; felspar, volcanic glass, augite, magnetite.	(20.87 %), amorphous matter, small fragments of minerals and siliceous organisms.	With the exception of the Foraminifera the organisms are mostly fragmentary; some of the fragments are macroscopic.
18.69	(1.00 %), Radiolaria, Sponge spicules, Astrorhizidae, Lituolidae, one or two Diatoms.	(1.00 %), m. di. 0.07 mm., angular; felspar, volcanic glass, augite, magnetite.	(10.69 %), amorphous matter, many minute fragments of siliceous organisms, and small mineral particles.	Some of the shells are macroscopic. The pelagic organisms here predominate over the fragments of calcareous Algae, Polyzoa, &c., washed from the reefs. The finer portions contain many more Coccoliths and Rhabdoliths than the deposits nearer the reefs.
...	...	...	...	This bank is covered with Corals, <i>Serpula</i> , and calcareous pebbles.
37.53	(1.00 %), Sponge spicules, one or two Radiolaria, <i>Aschemonella</i> , Lituolidae.	(1.00 %), m. di. 0.07 mm., angular; felspar, augite, volcanic glass, magnetite.	(35.53 %), amorphous matter, minute fragments of minerals and siliceous organisms.	With the exception of the Foraminifera all the other organisms are represented by minute fragments; some of these are much corroded as if being slowly dissolved. Dredge contained a quart bottle (over a litre) of deposit.
49.16	(1.00 %), a few Sponge spicules and Radiolaria, one or two specimens of <i>Haplophragmium</i> and <i>Gaudryina</i> .	(2.00 %), m. di. 0.08 mm., angular, a few rounded; sanidine, plagioclase, augite, hornblende, magnetite, volcanic glass, black mica, quartz, manganese grains.	(46.16 %), amorphous matter, with minute fragments of minerals and siliceous spicules.	The organisms in this deposit are very much broken up and decomposed. One or two grains of manganese, 1 to 3 mm. in diameter, were observed.
71.69	(1.00 %), one or two fragments of siliceous spicules, Lituolidae, Diatoms.	(5.00 %), m. di. 0.10 mm., angular; quartz, monoclinic and triclinic felspars, tourmaline, augite, hornblende, mica, manganese grains, glauconite.	(65.69 %), amorphous matter, with a great many minute fragments of minerals and a few fragments of siliceous organisms.	The minerals are mostly angular; a few of them approach 0.4 mm. in diameter. Note decrease of lime with increasing depth. This deposit is intermediate in character between a Red Clay and Blue Mud; the mineral particles are ice-borne.
54.17	(1.00 %), Sponge spicules, two or three Radiolaria, a few imperfect casts, Lituolidae.	(3.00 %), m. di. 0.06 mm., angular; felspar, hornblende, augite, magnetite, mica, quartz, glauconite, glassy volcanic particles, coloured altered particles, a few manganese grains.	(50.17 %), amorphous matter, many fine mineral particles, and a few fragments of siliceous organisms.	No deposit was obtained in the sounding tube, but a small quantity of the ooze came up in the dredge. The mineral particles are chiefly angular, but among them are many rounded quartz grains.
75.00	(1.00 %), Sponge spicules, Radiolaria, <i>Rhabdammina</i> , Lituolidae, Diatoms.	(40.00 %), m. di. 0.20 mm., angular; monoclinic and triclinic felspars, augite, hornblende, quartz, tourmaline, lapilli, mica, glauconite, a few manganese grains, pyrites, magnetite.	(34.66 %), amorphous matter, with minute fragments of minerals, a few fragments of Radiolaria and Diatoms.	This deposit had a reddish surface layer. Rhabdoliths have almost entirely disappeared, only a few being recognised on the examination of a large quantity of the deposit. The minerals are mostly angular; a few are rounded.
...	...	...	...	In first sounding line parted; in second no bottom at a depth exceeding 2600 fathoms.
75.30	(1.00 %), a few Sponge spicules, Radiolaria, Astrorhizidae, Lituolidae, Diatoms.	(40.00 %), m. di. 0.20 mm., angular; felspar, augite, hornblende, quartz, mica-schist and other rocks, some of them chloritic, magnetite, glauconite.	(34.39 %), amorphous matter, many fine mineral particles, fragments of Sponge spicules and Diatoms.	The minerals are mostly angular; some fragments of quartz and gneissic rocks are about 1 mm. in diameter. Several rounded pebbles were obtained in the washings from the dredge, measuring from 2 to 6 cm. in diameter, also a few irregular fragments of hardened deposit, forming a conglomerate of a yellow-green colour; amongst these were several rounded compact chalky nodules, apparently formed of the deposit, measuring from 1 to 3 cm. in diameter.

Off Bermuda—continued.

Bermuda to Halifax.