

RESIDUE.				ADDITIONAL OBSERVATIONS.
Per cent.	Siliceous Organisms.	Minerals.	Fine Washings.	
...	...	Small mineral particles.	Much amorphous clayey matter.	On this occasion the first sounding and dredging were taken by the Challenger; they were quite successful, the dredge bringing up several Echinoderms and Crustaceans, but this and several of the subsequent soundings were trials of the apparatus, and frequently none of the deposit was obtained or preserved.
...	..	...	...	In each of these soundings the tube brought up no indication of the nature of the bottom. The dredge, which was put over in 1000 fathoms, came up empty.
...	...	...	...	Both the sounding line and dredging line broke in heaving in.
[60·00]	(40·00%), Sponge spicules, Asterothizida, <i>Haplophragmium</i> , glauconitic casts, a few Diatoms.	(10·00%), Quartz, mica, felspar, glauconite.	(10·00%), Amorphous matter, mineral and siliceous remains.	Over one hundredweight (50 kilogrammes) of this deposit was obtained by the dredge. The percentages have been approximated, there being too little preserved for analysis. Light green glauconitic casts of the Foraminifera remained after treatment with acid.
...	...	...	...	The dredge brought up mud much the same as at 470 fathoms, which was twenty-five miles further east.
...	...	Many mineral particles with glauconite.	Amorphous matter.	These deposits contained a good deal of glauconite, but none was preserved for subsequent examination.
68·19	(10·00%), Sponge spicules, glauconitic casts, Diatoms.	(40·00%), m. di. 0·20 mm., angular; quartz, felspar, glauconite, mica, magnetite.	(18·19%), many minute mineral particles, clayey and organic matter.	The shells of the larger organisms in this deposit are fragmentary. Many beautiful glauconitic casts of Foraminifera and other organisms remained after treatment with dilute hydrochloric acid.
81·00	(5·00%), glauconitic casts and a few siliceous spicules of Sponges.	(10·00%), m. di. 0·10 mm., angular; quartz, dark and pale glauconite, felspar, mica, magnetite.	(66·00%), amorphous matter, fine mineral particles and minute fragments of siliceous spicules.	This deposit contains much amorphous clayey matter. All the Foraminifera are very small and much broken. Glauconitic matter is less abundant than at previous stations.
73·50	(3·00%), a few glauconitic casts, arenaceous Foraminifera, and siliceous Sponge spicules.	(5·00%), m. di. 0·07 mm., angular; quartz grains, mica, felspar, a few glauconitic particles, tourmaline, a few glassy volcanic fragments.	(65·50%), amorphous matter and numerous fine mineral particles.	Some two or three bright green imperfect casts of Foraminifera remained after treatment with dilute acid. Coccoliths are abundant and large.
71·14	(1·00%), siliceous Spongospicules, arenaceous Foraminifera, a few glauconitic casts.	(5·00%), m. di. 0·06 mm., angular; felspar, mica, some glassy volcanic particles, one or two quartz and glauconitic grains.	(65·14%), amorphous matter, many minute mineral particles.	One or two dark green glauconitic casts of Foraminifera remained after treatment with dilute acid. Coccoliths are abundant and large.
80·12	(1·00%), a few siliceous Sponge spicules, <i>Rhabdammina</i> .	(10·00%), m. di. 0·06 mm., angular; felspar, augite, hornblende, mica, magnetite, quartz, tourmaline, a few glassy volcanic fragments.	(69·12%), amorphous matter, many fine mineral particles, a few minute fragments of siliceous organisms.	No glauconitic matter observed in this deposit, although in shallower water nearer shore it is relatively abundant.
81·12	(2·00%), glauconitic casts, Sponge spicules, <i>Haplophragmium</i> .	(25·00%), m. di. 0·08 mm., angular and rounded; quartz, felspar, mica, magnetite, augite, glauconite, glassy volcanic fragments.	(54·12%), amorphous matter, many fine mineral particles and minute fragments of siliceous organisms.	The mineral particles of this deposit are angular, except the glauconite and some of the large quartz grains, which are more or less rounded. Many glauconitic grains and casts of Foraminifera and other organisms remained after treatment with dilute acid, chiefly of a dark green colour.