RESIDUE.				ADDITIONAL OBSERVATIONS.
Por cont.	Siliceous Organisms.	Minorals.	Fine Washings.	
100.00	(1.00 %), Radiolaria, Sponge spicules, Thurammina pap- illata.	(1.00 %), m. di. 0.10 mm., angular; manganeso grains, phillipsito, felspar, augito, glassy volcanic particlos.	(98.00 %), much dark brown fine amorphous matter, a few fragments of siliceous organ- isms, and manganese grains.	The clay was not so dark coloured as at the last station. In one place there were one or two spots of a yellow colour. A few small manganese nonlines overgrown with Hyperaminia ragans were observed. The tube had been buried about 18 inches (45 cm.) in the deposit.
100.00	(1 00 %), a fow Radiolaria.	(1 '00 %), m. di. 0 '20 mm., angu- lar; magnotito, augite, olivine, felspar.	(98.00 %), much fine dark brown amorphous matter, manganese grains, and minute minoral particles.	No bottom was in the tube or on the outside. The trawl brought up a great quantity of manganese nodules, but no deposit; on the iron work were some patches of clay. On examining this it was found to contain very many yellow crystals of phillipsito, a few pengic Foraminitera and their broken parts, and a few Cocco- liths and Rhabdoliths. A great many manganese grains were noticed. Among the nodules in the trawl were a few earbones of Cotaceans and fragments of bones. One pubble was a fragment of diabase contain- ing altered plagioclase, augite, replaced by a chloritio mineral, quartz, epidoto, black mica, titanic iron and leucoxene.
	•••			No deposit came up in the tube. 'About a gramme of the elay was found adhering to the bottom of the water- bottle, insufficient for detailed examination. Under the microscope it showed the yellow crystals of phillipsite, manganese grains, some Coccoliths, a good many fragments of pelagic Foraminifera, and a Uvigerina.
			•••	Inside the tube there were two or three small pellets of Red Clay. On breaking these down and examining them with the microscope, <i>Globigerina</i> and <i>Pulvinulina</i> remains were found. These are small compared with these further north. One or two <i>Textularia</i> , a good many Coccoliths, portions of Rhabdoliths, a good many manganese grains, and a few yellow crystals of phillipsite were also observed. In the bag of the trawl there was only one manganese nodule, the size of a marble, to which was attached an egg capsule.
16.22	(1.00 %), Sponge spicules, a few Radiolaria and arenaceous Foraminifera.	(1.00 %), m. di. 0.06 mm., angular; crystals and irregu- lar fragments of plagioclase, sanidine, augite, rhombie pyroxene, magnetite, altered glassy and other volcanic par- ticles, grains of manganese.	(14.25 %), a small quantity of amorphous matter coloured by manganese, minute mineral particles, and small fragments of siliceous organisms.	Coccoliths are comparatively abundant. In this deposit are found crystals of plagioclase, loose or coated with volcanic glass, in the form of rhombic tables, also crystals of augite and rhombic pyroxene, and frag- ments of palagonite. The trawl line carried away in heaving in.
55-32	(1.00 %), a few Sponge spieales, Astrorhizidæ, arenaceous Tex- tularidæ.	(3.00 %), m. di. 0.08 mm., angular; sanidine, plagioclase, angite, altered olivine, splinters of volennic glass, man- ganese grains, magnetite.	(51.32 %), fine dark red-brown amorphous matter, fine mineral particles.	The most abundant of the pelagic Foraminifera is a thick- shelled <i>Globigerina bulloides</i> . The trawl brought up about a dozen manganese nodules, two sharks' teeth, and a small grey pobble of augito-andesite. The largest of the nodules is about the size of a pigeon's egg. Several have nuclei of palagonite, others appear to be made up entirely of manganese. The teeth and pebble are slightly coated with manganese.
100.00		(3.00 %), m. di. 0.10 mm., angu- lar ; manganese grains, fols- par, plagioclaso, augito, phillipsite, crystals, quartz, magnetito, glassy volcanic particles.	(97.00 %), much fine amorphous matter of a dark chocolate colour, and some fine mineral fragments.	The lower part of this deposit did not effervesce with acid; only one or two fragments of pelagic Foraminifera and a few broken pieces of sharks' teeth were observed. In the upper portion there were a few whole and a good many broken pieces of pelagic Foraminifera, one or two small Coccoliths, and fragments of Rhabdoliths. The great mass of the washings was composed of small pellets or particles of manganese (one small nodule the size of a pea was noticed), along with crystals of phil- lipsite and fragments of palagonite.