	Residue.			Additional Observations.	
Per cent.	Siliceous Organisms.	Minerals.	Fine Washings.		
46·25	(2·00 %), Sponge spicules, *Ammodiscus incertus*, a few brown casts.	(2·00 %), m. di. 0·06 mm., angular; felspar, plagioclase, augite, mica, hornblende, magnetite, volcanic glass splinters, pumice, glauconite.	(42·25 %), a considerable quantity of fine clayey and other matter, coloured red by iron, minute mineral particles, and remains of siliceous organisms.	There was a large quantity of this deposit, of a uniform character throughout, in the sounding tube. The Foraminifera are large and very perfect and include a few *Textularia* and *Rotalia*, as well as *Pulvinulina favus*. All the pelagic forms are typical of a tropical Globigerina Ooze. The volcanic glass in some cases has been highly altered.	New Hebrides to Raine Island—*continued*.
47·36	(2·00 %), Radiolaria, casts of Foraminifera in manganese and iron, Sponge spicules, Astrorhizidæ, Lituolidæ, a few Diatoms.	(2·00 %), m. di. 0·06 mm., angular; felspar, quartz, mica, hornblende, augite, magnetite, fragments of pumice.	(43·36 %), amorphous matter, with many small fragments of minerals and siliceous organisms.	In the trawl there were many pumice stones, several cocoa-nuts, and other fruits. To these were attached Hydroids, Brachiopods, Annelids, and Cirripeds. Some of the largest pumice stones have a diameter of about 5 cm., all more or less rounded, some porous, some homogeneous, some filamentous, some scoriaceous; others have a greenish tinge, with a thin coating of manganese, and are rather hard, but not so much altered as those at Station 175.	
13·03	(6·00 %), many casts of Foraminifera of a reddish colour, Astrorhizidæ, Lituolidæ.	(4·00 %), m. di. 0·07 mm., angular and rounded; quartz, felspar, mica, magnetite, augite, glauconite, olivine.	(3·03 %), flocculent amorphous matter, some fine mineral particles.	This deposit contains very many casts of Foraminifera which are nearly all of a brick-red colour although a few have a greenish tinge; there was, however, no typical glauconite observed. Many of the organisms are macroscopic. The number of pelagic forms varies greatly in different samples.	Off Raine Island.
10·86	(1·00 %), Sponge spicules, a few brown casts of calcareous organisms.	(6·00 %), m. di. 0·30 mm., rounded, smallest particles angular; quartz, plagioclase, augite, hornblende, felspar, mica, tourmaline, glauconite grains, magnetite.	(3·86%), a small quantity of flocculent organic matter and fine mineral particles.	This deposit is made up for the most part of Corals, fragments of Lamellibranchs and Gasteropods, *Orbitolites*, *Amphistegina*, *Heterostegina*, and *Rotalia*. The grains making up the "sand" measure from 1 to 10 mm. in diameter.	
37·85	(2·00 %), Sponge spicules, Lituolidæ.	(30·00 %), m. di. 0·50 mm., rounded; quartz, olivine, felspar, magnetite, glauconite.	(5·85 %), flocculent amorphous matter, and fine mineral particles.	A large percentage of the carbonate of lime comes from fragments of calcareous rocks and concretions. These fragments average in diameter about 1 cm. In addition there are a few conglomerated masses about 1 cm. in diameter, and quartz and other mineral particles cemented together by a reddish material. Worm tubes composed of grains of quartz are also present, and shell fragments cemented together.	Cape York to Arrou Islands.
40·34	(5·00 %), Lituolidæ, Textularidæ, Sponge spicules, casts of calcareous organisms, Diatoms.	(25·00 %), m. di. 1·00 mm., rounded, finer grains angular and often coated with limonite; chiefly quartz, some grains of milky quartz.	(10·34 %), amorphous ferruginous matter, fine minerals, and siliceous remains.	The sandy and calcareous concretions of the bottom measure from one to many centimetres in diameter, and on treatment with acid leave a considerable quantity of yellow-red residue, chiefly made up of casts of organisms. A second dredging, obtained near the first, was found to be finer but otherwise similar. Nearly all the organisms are impregnated with red oxide of iron, giving a decided colour to the deposit.	