

| RESIDUE. | | | | ADDITIONAL OBSERVATIONS. |
|-----------|---|--|--|--|
| Per cent. | Siliceous Organisms. | Minerals. | Fine Washings. | |
| 98·87 | (2·00 %), fragments of Sponge spicules and Diatoms. | (90·00 %), m. di. 0·60 mm., rounded; quartz, felspar, mica, hornblende, augite, glauconite, pumice, particles of crystalline and schistose rocks, epidote, garnet. | (6·87 %), a small quantity of amorphous matter, flocculent organic matter, and many minute mineral particles. | The dredge brought up some sand, sandy concretions, and many animals, also some pieces of carbonised wood. The particles of crystalline and schistose rocks are often black, and more or less rounded. Many of the mineral and rock particles are covered with chloritic matter as well as with limonite. |
| ... | ... | ... | ... | This deposit is the same in all respects as that described for Station 313, except perhaps that there is a little more glauconite. |
| 60·88 | (3·00 %), Sponge spicules, Diatoms. | (1·00 %), m. di. 0·08 mm., rounded; quartz, felspar, hornblende. | (56·88 %) amorphous matter and fine particles of minerals and siliceous organisms. | With the exception of the Foraminifera and Ostracodes, the organisms are fragmentary; some are macroscopic. |
| 85·89 | (2·00 %), Sponge spicules, Lituolidae. | (70·00 %), m. di. 0·15 mm., rounded and angular; fragments of clastic rocks, black mica, quartz, felspar, augite, magnetite, glauconite, hornblende. | (13·89 %), a small quantity of amorphous matter, with many minute fragments of minerals and siliceous organisms. | There was nothing in the sounding tube. The trawl line parted between the weights and the trawl while being hauled in. The gravel and animals obtained came up in the tow-net attached to the weights. Among the pebbles were glauconitic and phosphatic concretions. |
| 67·31 | (2·00 %), Radiolaria, <i>Astrorhiza</i> , imperfect casts, Diatoms. | (50·00 %), m. di. 0·10 mm., angular and rounded; quartz, pumice, felspar, hornblende, augite, mica, magnetite, glauconite. | (15·31 %), amorphous matter, with many fine mineral particles and fragments of siliceous organisms. | The sounding tube had sunk over a foot (30 cm.) into the bottom, but brought up only a small quantity of the mud. This was of a blue colour with here and there some lighter coloured patches. There was no evidence to show that the trawl had ever touched the bottom. |
| 93·59 | (3·00 %), Radiolaria, Sponge spicules, <i>Astrorhizidae</i> , <i>Lituolidae</i> , frustules of Diatoms. | (40·00 %), m. di. 0·12 mm., rounded; quartz, monoclinic and triclinic felspars, hornblende, pumice, glauconite. | (50·59 %), amorphous matter, fine mineral particles, and fragments of siliceous organisms. | The sounding tube had sunk nearly 14 inches (35 cm.) into the deposit and brought up about a litre of the mud. This was of a blue-grey colour throughout, with the exception of the thin watery surface layer, which had a brown colour. Some of the particles of felspar are kaolinised while others show no alteration. |
| 88·11 | (2·00 %), Radiolaria, <i>Astrorhizidae</i> , <i>Lituolidae</i> , a few Diatoms. | (70·00 %), m. di. 0·15 mm., rounded; quartz, felspar, plagioclase, hornblende, augite, magnetite, pumice, glauconite. | (16·11 %), amorphous matter and many minute mineral particles. | The sounding tube brought up only a small concretion about 15 cm. in diameter. In the trawl there were five or six similar concretions and a little of the Blue Mud described. The concretions are phosphatic and contain glauconite. Many of the Foraminifera are macroscopic. Some of the mineral particles attain a diameter of 1 mm. Many of the minerals, principally the felspar, are covered by or impregnated with a green chloritic matter apparently intimately united to the mineral which it envelops. Felspar is chiefly represented by plagioclase. Some quartz grains contain inclusions of liquid carbonic acid. |

Sandy Point to Falkland Islands.

Falkland Islands to Rio de la Placa.