

| RESIDUE. | | | | ADDITIONAL OBSERVATIONS. |
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| Per cent. | Siliceous Organisms. | Minerals. | Fine Washings. | |
| 18.41 | (2.00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ, imperfect brown casts, Diatoms. | (1.00 %), m. di. 0.10 mm., angular; augite, magnetite, felspar, sanidine, lapilli, pumice. | (15.41 %), amorphous matter, minute fragments of minerals, Radiolaria, and Diatoms. | A few rounded fragments of pumice, from 1 to 6 mm. in diameter, were obtained in this deposit; some of these are much altered and decomposed. Much of the amorphous calcareous matter is apparently derived from Pteropods and Heteropods. |
| 26.80 | (1.00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ, a few Diatoms. | (10.00 %), m. di. 0.10 mm., angular; monoclinic and triclinic felspars, lapilli, magnetite, augite, quartz, pumice. | (15.80 %), amorphous matter, many fine mineral particles, fragments of Radiolaria and Diatoms. | In the washings of a large quantity of the deposit from the dredge there were many shells of pelagic and other Molluscs, and a great quantity of pumice, the pieces varying from 1 mm. to 6 cm. in diameter. They are all of the light-coloured felspathic variety and much altered; some of the fragments are overgrown by <i>Serpula</i> and other organisms. |
| 26.50 | (1.00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ, a few Diatoms. | (1.00 %), m. di. 0.10 mm., angular; minute fragments of volcanic rocks, plagioclase, sanidine, magnetite, augite, hornblende, volcanic glass. | (24.50 %), amorphous matter, with minute fragments of minerals and siliceous organisms. | <i>Pulvinulina menardii</i> appears to be almost, if not quite, absent from this deposit, as well as from most of the deposits in this region. |
| 31.27 | (4.00 %), Sponge spicules, arenaceous Foraminifera. | (20.00 %), m. di. 1.00 mm., angular; pumice, magnetite, felspar, augite, hornblende, sanidine, and many fragments of volcanic rocks. | (7.27 %), a small quantity of amorphous matter, fine mineral particles, and fragments of siliceous spicules. | About a bushel of this calcareous sand came up in the dredge, mixed with many rounded fragments of pumice and volcanic rock, measuring from 1 to 6 cm. in diameter. Many of these are completely covered with <i>Serpula</i> , calcareous Algae, or Polyzoa. Fully 30 per cent. of the carbonate of calcium is made up by the fragments of Polyzoa alone, while <i>Polytrema miniacum</i> is very abundant. |
| 79.41 | (2.00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ, Diatoms. | (60.00 %), m. di. 0.15 mm., angular; fragments of volcanic rocks, pumice, plagioclase, sanidine, black mica, augite, magnetite, hornblende. | (17.41 %), amorphous matter, with many minute fragments of minerals, Radiolaria, and Diatoms. | In the washings from the dredge many Pteropods, Gasteropods, Lamellibranchs, <i>Serpula</i> , and large quantities of broken fragments of Polyzoa were obtained, also numerous round and angular fragments of pumice and volcanic rocks, from 4 to 6 cm. in diameter. In many instances the pumice fragments were completely covered with <i>Serpula</i> -tubes, Algae, and <i>Polytrema</i> . |
| 47.78 | (1.00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Lituolidæ, a few Diatoms. | (5.00 %), m. di. 0.10 mm., angular; fragments of volcanic rocks, pumice, monoclinic and triclinic felspars, augite, hornblende, black mica, olivine. | (41.78 %), amorphous matter, with many minute fragments of minerals, and siliceous organisms. | The washings of the mud from the dredge consisted chiefly of large <i>Cavolinia trispinosa</i> and other Pteropod shells, with many fragments of pumice varying from 1 mm. to 1 cm. in diameter. |
| 92.32 | (1.00 %), Sponge spicules, fragments of Radiolaria, Astrorhizidæ, Lituolidæ. | (75.00 %), m. di. 0.20 mm., angular; pumice, plagioclase, sanidine, augite, magnetite. | (16.32 %), amorphous matter, with minute fragments of pumice and other minerals and siliceous organisms. | The washings, on passing the deposit through sieves, consisted of fragments of pumice (usually about 3 cm. in diameter and smaller) and Pteropod shells. Many of the pumice nodules have <i>Serpula</i> and Foraminifera attached to them. |
| 44.85 | (1.00 %), Radiolaria, Sponge spicules, Diatoms. | (20.00 %), m. di. 0.15 mm., angular; pumice, fragments of volcanic rocks, felspar, magnetite, augite, olivine. | (23.35 %), amorphous matter, with minute fragments of pumice, siliceous spicules, and Diatoms. | The dredge brought up a small quantity of the ooze the same as indicated by that in the sounding tube. |

Bermuda to Azores—continued.

Off the Azores.

Azores to Madeira