

Per cent.	RESIDUE.			ADDITIONAL OBSERVATIONS.
	Siliceous Organisms.	Minerals.	Fine Washings.	
77-53	(50.00 %), Radiolaria, Astrorhizidæ, Lituolidæ, numerous Diatoms.	(15.00 %), m. di. 0.10 mm., angular; quartz sometimes coloured red, monoclinic and triclinic feldspars, mica, hornblende, tourmaline, garnet, magnetite, zircon, glassy volcanic particles, glauconite.	(12.53 %), a little amorphous matter, a few mineral particles, but principally fragments of Diatoms.	The trawl came up fouled, but contained a few animals and pebbles, the latter varying in diameter from 5 mm. to 1 cm.; one of the pebbles is a granite, containing quartz, plagioclase, orthoclase, hornblende, black or green mica; another is a fine-grained chloritic sandstone with feldspar. The minerals, as well as the rock fragments obtained at this station, appear to indicate that they come from rocks belonging to older formations.
96-50	(15.00 %), Radiolaria, Spongo spicules, Astrorhizidæ, Lituolidæ, Diatoms.	(20.00 %), m. di. 0.10 mm., angular; quartz, feldspar, plagioclase, hornblende, glauconite, garnet.	(61.50 %), amorphous matter, minute fragments of minerals and Diatoms.	The dredge brought up many rocks and pebbles, to which an Ascidian and an Actinian were attached, and a few animals. The quartz grains are sometimes rounded and covered with limonite. Among the pebbles are granitic rocks, containing orthoclase, plagioclase, quartz, and black mica; amphibolite with large grains of green hornblende and quartz; metamorphic quartzite speckled with black mica; fine grained micaceous sandstone passing to a schist; and red sandstone.
99-00	(3.00 %), Radiolaria, Spongo spicules, Diatoms.	(20.00 %), m. di. 0.10 mm., angular; quartz, feldspar, hornblende, mica, epidote, garnet, glauconite.	(76.00 %), amorphous matter, fine mineral particles and Diatom remains.	Some particles of minerals attain a diameter of 1 or 2 mm.
88-16	(3.00 %), Radiolaria, Spongo spicules, Lituolidæ, Diatoms.	(20.00 %), m. di. 0.30 mm., angular; quartz, plagioclase, hornblende, augite, magnetite, mica, garnet, tourmaline, glauconite, fragments of granitic and amphibolic rocks.	(65.16 %), amorphous matter, minute mineral particles, fragments of Radiolaria and Diatoms.	The dredge came up without showing any signs of having been at the bottom. It had to be hauled in soon, on account of a strong wind rising, and the ship being surrounded by icebergs. Some of the fragments of granitic and amphibolic rocks attain a diameter of 2 cm.
97-92	(60.00 %), many Radiolaria, a few Lituolidæ, chiefly Diatoms.	(10.00 %), m. di. 0.20 mm., angular and rounded; quartz, orthoclase, rarely plagioclase, hornblende, mica, magnetite, a few small glassy volcanic fragments.	(27.92 %), essentially composed of Diatom fragments, with a little amorphous matter and a few minute mineral particles.	The trawl brought up a number of animals, rocks, and pebbles. The rocks and pebbles include granite, containing orthoclase, plagioclase, quartz, hornblende, and mica; gneiss composed of quartz, black and white mica, and garnet; chloritic quartzite; fine-grained micaceous sandstone; slate formed of sericite with micro-liths of rutile; trachytic pumice with sanidine and augite; limburgite partially transformed into palagonite; and some other ancient and recent volcanic rocks all very much altered.
80-71	(50.00%), many Radiolaria, some Spongo spicules, Astrorhizidæ, Lituolidæ, principally Diatoms.	(3.00 %), m. di. 0.07 mm., angular; quartz, feldspar, hornblende, a few magnetic particles, small fragments of palagonite, pumice, much altered volcanic rock with ophitic structure.	(27.71 %), composed essentially of fragments of Diatoms, a small quantity of amorphous matter and minute mineral particles.	Only a small quantity of the deposit came up in the sounding tube. In the trawl there were several pebbles and one large piece of rock along with many animals. One fragment of grey gneiss weighed 20 kilogrammes, and some similar fragments had glacial markings; there was a basaltic fragment 6 cm. in diameter, and thirty pieces of pumice from 1 to 3 cm. in diameter.
14-69	(10.00 %), Radiolaria, Astrorhizidæ, Lituolidæ, chiefly Diatoms.	(1.00 %), m. di. 0.07 mm., angular; quartz, feldspar, pumice, glassy volcanic particles.	(3.69 %), a little amorphous matter, with minute mineral particles and fragments of siliceous organisms.	The trawl brought up pumice stones, pebbles, and many animals. There were fifteen fragments of pumice, generally all rounded, and varying in diameter from 2 to 5 cm., and also one flattened angular fragment of palagonite, 3 or 4 cm. in width, and 1 cm. in thickness. Some of the quartz grains are covered with limonite.
12-10	(2.00 %), Radiolaria, Spongo spicules, Lituolidæ, Diatoms.	(1.00 %), m. di. 0.07 mm., angular; feldspar, hornblende, magnetite, pumice, red glassy volcanic fragments, manganese grains, quartz grains (rare).	(9.10 %), amorphous matter, fine mineral particles, and fragments of siliceous organisms.	The trawl was put over, but came up without any of the deposit or any bottom-living animals to show that it had ever touched the bottom. The presence of Coccoliths and Rhabdoliths in this deposit is worthy of notice, as they have been absent in those to the south of lat. 55°. The greater abundance of Orbulinas and Pulvinulinas in the last two stations should also be remarked.

In Vicinity of Antarctic Ice.

Termination Land to Melbourne.