Restour.				ADDITIONAL OBSERVATIONS.	
Per cent.	Silicoons Organisms.	Minerala.	Fine Washings.	-	
84*60	5.00 %), Radiolaria, Sponga spiculos, Astrorhizidæ, Lituo- lidæ, Diatoms.	(1.00 %), m. di. 0.06 mm., angular; glassy volcanic particles, folspar, plagioclase, hornblende, augite, magne- tite, quartz, small particles of andesitio rocks.	(78.60 %), much amorphous matter, fine mineral and silicoous remains.	A section of about four inches (10 cm.) came up in the sounding tube; the uppermost inch was of a red colour containing no calcareous organisms, the lower portion heing a blue-grey compact mud containing the organisms noted, two or three pieces of punice, and several man- ganese grains. One of the tow-nets at the trawl was half full of a red-brown mud, and some of this was in the bag of the trawl and adhering to the nodules, &c. In the trawl there was over a quart (over a litre) of nodules and fragments of punice. Some of these nodules are mangauese throughout; others are formed of punice surrounded by a deposit of manganese, while one had a nucleus of altered busalt. In addition there were a hard angular piece of granite, small hardened con- cretions of the bottom, and a fragment of a Cephalopod beak. On one of the nodules was attached a large Scal- pellum darwinit. In the washings from the trawl were observed great numbers of <i>Rhizammina algaformis</i> .	
45-91	(1.00 %), Radiolaria, Sponge spicules, Astrorhizidæ, Litu- olidæ, arenaceous Textularidæ.	(2.00 %), m. di. 0.08 mm., angular; folspar, plugioclaso, magnetite, augite, small vol- canic lapilli, palagonite, man- ganese grains.	(42.91 %), amorphous brown coloured matter, fine mineral and siliceous remains.	Only a small quantity of ooze came up in the tube. A considerable quantity came up in the trawl, amongst which were several small basaltic pebbles having a slight coating of manganese, and three or four pieces of a hardened tufa of a red colour, flat, and coated with manganese to the thickness of $\frac{1}{2}$ or $\frac{1}{2}$ an inch (6 or 12 mm.). The ooze contains also a good many black particles and pobbles about the size of peas.	Valaparaiso to Gulf of Pehas
17.69	(1.00 %), Radiolaria, Astror- hizidæ, Lituolidæ, Textu- laridæ, casts of Foraminifera, Sponge spicules, Diatoms.	(1.00 %), m. di. 0.07 mm., angular; felspar, quartz, augite, pumice, palagonito, manganese grains, glauconite, zircon.	(15.69 %), red-brown amorphous matter, minoral and siliceous remains.	A considerable quantity of ooze was obtained in the sounding tube. In it were small pieces of manganese, pumice, and other mineral particles. In the trawl was about a pack (9 litres) of the ooze, in which were a number of manganese nodules, with nuclei of fragments of basalt with a vitreous base passing into palagonite, overgrown with worm tubes and Hyperammina vagans, some volcanic pebbles, and a piece of granite with a slight coating of manganese. There was also a fragment of a siliceous rock resembling flint, composed of cal- cedony and grains of crystalline silica. Red and yellow casts of the Foraminifera remoin after treat- mont with acid. Some particles of quartz are large and rounded.	l Pehaa.
74-21	(1.00 %), Radiolaria, Sponge spicules, <i>Rcophax diffugifor- mis</i> , Toxtularidæ.	(10.00 %), m. di. 0.10 mm., augular ; brown vesicular vol- canic glass, felspar, plagio- clase, augito, hornblendo, magnetito, many particles of pumice, quartz, glauconito.	(63.21 %), grey coloured amor- phous matter, fine mineral particles, and a few remains of siliceous organisms.	The tube brought up a considerable quantity of stiff light blue-grey mud containing the organisms noted. The surface of the section was of a yellowish colour and much softer than the desper layors. The Foraminifera are fewor and pumice particles more abundant in the lower layers.	
97-28		(96.28%), m. di. 0.17 mm., rounded; quartz, yellow-groen mica flakos with apatite inclu- sions, felspar, fragments of ancient crystallino rocks and schists, hornblende, green chloritic substance covering the quartz and the other mineral particles.	(1.00 %), a few fine mineral par- ticles.		Magellan Strait.