

A red clay, containing much amorphous clayey matter, and many fine mineral particles—feldspar, mica, quartz, and magnetite.—A few entire and many broken pelagic and arenaceous foraminifera.

No. 8.—Station XI. March 1st. Lat. $22^{\circ} 45' N.$, Long. $40^{\circ} 37' W.$ Depth, 2575 fathoms. Bottom temperature, $2^{\circ} 0 C.$ Chemical composition :

Loss on ignition after drying at $230^{\circ} F.$	9.13	
Portion soluble in hydrochloric acid = 76.59.	Alumina.....	5.61
	Ferric oxide.....	4.65
	Calcium phosphate.....
	Calcium sulphate.....	1.02
	Calcium carbonate.....	51.16
	Magnesium carbonate.....	1.93
Portion insoluble in hydrochloric acid = 14.28.	Silica.....	12.22
	Insoluble residue, principally alumina and ferric oxide, with silica.....	14.28
	100.00	

A red clay, containing much deep-red amorphous clayey matter, with many particles of feldspar, magnetite, augite, mica, quartz, etc.—A good many pelagic foraminifera and their fragments. Coccoliths and rhabdoliths.

No. 9.—Station XII. March 3d. Lat. $21^{\circ} 57' N.$, Long. $43^{\circ} 29' W.$ Depth, 2025 fathoms. Bottom temperature, $1^{\circ} 9 C.$ Chemical composition :

Loss on ignition after drying at $230^{\circ} F.$	8.80
Alumina.....	19.24
Ferric oxide.....	13.74
Calcium phosphate.....	Fair traces
Calcium sulphate.....	1.37
Calcium carbonate.....	43.93
Magnesium carbonate.....	1.94
General residue, consisting of soluble silica with the insoluble silicates.....	10.98
	100.00

A globigerina ooze, containing many pelagic foraminifera of the genera *Globigerina*, *Orbulina*, *Pulvinulina*, *Sphaeroidina*, and *Pullenia*; many coccoliths and rhabdoliths.—Much amorphous clayey matter, with iron and manganese peroxides.

No. 10.—Station XIII. March 4th. Lat. $21^{\circ} 38' N.$, Long. $44^{\circ} 39'$