

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

No. 6.—Station IX. February 26th. Lat. $23^{\circ} 23' N.$, Long. $35^{\circ} 10' W.$ Depth, 3150 fathoms. Bottom temperature, $1^{\circ} \cdot 9 C.$ Chemical composition:

Loss on ignition after drying at $230^{\circ} F.$	10.40	
Portion soluble in hydrochloric acid = 43.74.	Alumina	8.30
	Ferric oxide	9.75
	Calcium phosphate	Good traces
	Calcium sulphate	0.87
	Calcium carbonate	3.11
	Magnesium carbonate	1.90
Portion insoluble in hydrochloric acid = 45.86.	Silica	19.81
	Alumina	9.10
	Ferric oxide	2.04
	Lime	0.47
	Magnesia	0.95
	Silica	33.30
	100.00	

A red clay, containing much amorphous clayey matter, many particles of mica, magnetite, quartz, and hornblende. Some of the larger particles were rounded.—A very few broken portions of pelagic foraminifera occurred, and a few arenaceous forms.

No. 7.—Station X. February 28th. Lat. $23^{\circ} 10' N.$, Long. $38^{\circ} 42' W.$ Depth, 2720 fathoms. Bottom temperature, $1^{\circ} \cdot 9 C.$ Chemical composition:

Loss on ignition after drying at $230^{\circ} F.$	7.61	
Portion soluble in hydrochloric acid = 58.98.	Alumina	9.73
	Ferric oxide	9.30
	Calcium phosphate
	Calcium sulphate	0.61
	Calcium carbonate	13.30
	Magnesium carbonate	1.31
Portion insoluble in hydrochloric acid = 33.41.	Silica	24.73
	Alumina	5.50
	Ferric oxide	2.96
	Lime	0.23
	Magnesia	0.19
	Silica	24.53
	100.00	