

W. Depth, 1900 fathoms. Bottom temperature, 1°·9 C. Chemical composition :

Loss on ignition after drying at 230° F.....	6·63
Alumina.....	} 5·86
Ferric oxide.....	
Calcium phosphate.....	Small traces
Calcium sulphate.....	0·51
Calcium carbonate.....	74·50
Magnesium carbonate.....	1·27
General residue, consisting of soluble silica with the insoluble silicates.....	11·23
	100·00

A globigerina ooze, containing many pelagic foraminifera of the genera *Globigerina*, *Hartigerina*, *Pulvinulina*, *Sphæroidina*, and *Orbulina*; many coccoliths and rhabdoliths. A few pteropod shells and valves of Ostracoda, and otolites of fishes.—Amorphous clayey matter and small mineral particles—mica, quartz, olivine, feldspar, and pumice. Some of the particles of quartz were rounded as if wind-blown.

No. 11.—Station XIV. March 5th. Lat. 21° 1' N., Long. 46° 29' W. Depth, 1950 fathoms. Bottom temperature, 1°·8 C. Chemical composition :

Loss on ignition after drying at 230° F.....	4·58			
Portion soluble in hydrochloric acid = 90·82.	} Alumina.....	} 3·33		
			} Ferric oxide.....	
	} Calcium phosphate.....	} 1·12		
			} Calcium sulphate.....	} 1·20
			} Magnesium carbonate.....	} 1·40
} Silica.....	} 4·60			
		Portion insoluble in hydrochloric acid = 4·60.	} Insoluble residue, principally alumina and ferric oxide, with silica.....	} 4·60
	100·00			

A reddish globigerina ooze, containing many pelagic foraminifera of the usual genera, and many coccoliths and rhabdoliths.—Amorphous clayey matter with oxide of iron; many small particles of sanidine, augite, hornblende, and magnetite.

No. 12.—Station XV. March 6th. Lat. 20° 49' N., Long. 48° 45' W. Depth, 2325 fathoms. Bottom temperature, 1°·7 C. Chemical composition :