

dized to a yellow or light brown colour. Sometimes the lower limit of oxidation is approximately parallel to the surface, sometimes it is irregular. The quicksand variety exposed at the filtration plant (see below), showed a very complicated boundary between the yellowish-brown oxidized and the bluish-grey unoxidized parts. A diagrammatic reproduction of this is shown in Figure 1.

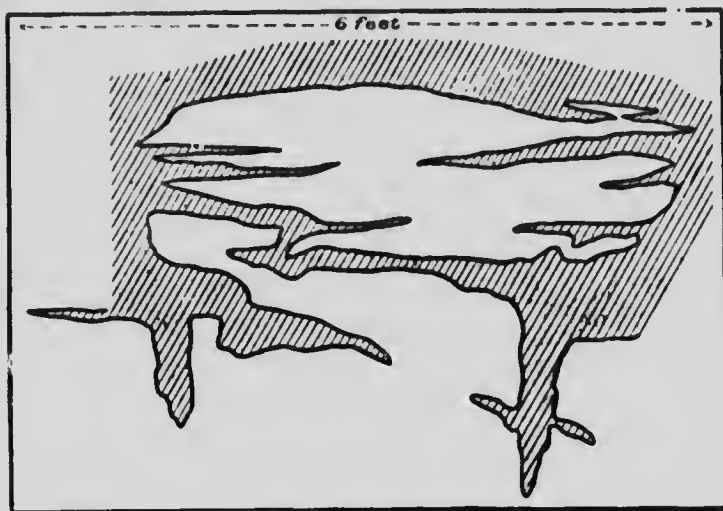


Figure 1. Diagrammatic vertical section showing weathering patterns in quicksand at filtration plant, Verdun. Shaded parts oxidized, unshaded parts blue-grey unoxidized quicksand.

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The boulder clay covers nearly the whole of the island, though, in some places, it is overlain by the younger members of the Pleistocene. With the exception of the Palæozoic outcrops in and around Mount Royal, the boulder clay covers the rocky ridge which runs down the centre of the island. The covering in the northern part of the island is usually thin, and has been removed around the rocky nose which runs almost parallel to the outline of the island from Longue Pointe toward