

forming the upper plateau at Scarboro', the two being separated only by the deep bay-like depression of the Don Valley; and it seemed to me probable, last year, that the layer of till overlying the shale at the brickyard was a continuation of the lower Scarboro' till, which sinks beneath Lake Ontario near Victoria Park three or four miles to the east. This implied that the fossiliferous beds at the Don, with the overlying stratified clay in which no fossils occur, were equivalent to the upper, unfossiliferous beds at Scarboro'. This spring, however, new excavations at the brickyard have completely overturned this theory by disclosing a thick bed of till in the slope formerly covered with grass. This overlies the fossil-bearing strata which correspond, therefore, to the lower, fossiliferous bed at Scarboro', so far as position is concerned.

At present the quarry presents the following section as measured by aneroid and steel tape:

	Feet.
Soil and stratified clay, making buff brick (unfossiliferous)	43
Till (partly covered with grass) about	35
Stratified clay with peaty matter, making red brick	13
Stratified sand with some clayey beds (fossiliferous)	24
Till	2
Hudson River shales, about	60

The Hudson River shales rise about thirty-five feet above the level of Lake Ontario. At the Don Valley brickworks we have, then, a lowest till resting on the rock and overlaid with fossiliferous beds; a second till corresponding to the lower Scarboro' till; but no uppermost till, though one probably existed before the formation of the Iroquois beach, and the upper stratified clay passes beneath the upper till at the Davenport ridge a half-mile away. So far as I have observed the three tills are nowhere all disclosed in a single section; but a shaft sunk through the Davenport ridge or the highest part of the Scarboro' Heights would probably cut through all three.

Since the paper on the Don fossils was published three new localities have been found in the same valley; one of them, which was opened to give employment to the convicts at the gaol