

SECTION I. (at Dundas).

In descending order: Beds 20-14 were measured above Limekiln.

Beds 13-2, measured at the south-western side of Glen Spencer, are correlated with those above. Series of beds numbered 1 is at Artesian Well

<i>Beds. No.</i>	NIAGARA FORMATION.	<i>Thickness. Feet.</i>
20	Fine grained gray arenaceous dolomite. Top bed glaciated. (Height above Lake Ontario 517 ft.) ..	10.6
19	Dark dolomites (somewhat bituminous) containing concretionary masses of a brecciated appearance..	9.7
18	Measures concealed.....	16.2
17	Gray and drab dolomites in thin beds—the upper portion forming brow of escarpment just east of "Peak".....	28.3
16	Earthy dolomites with conchoidal fracture.....	3.2
15	Dolomitic shales covered with incrustations of ep-somite.....	3.5
14	Gray and variegated dolomites in thin beds with earthy partings ..	38.4
	—	103.9
13	Cherty dolomites (?) concealed, by measurement 3.1 feet, but allowing for dip, 3.0 feet must be added, and this connects the section at the Limekiln with that measured at western side of Ravine from Webster's to Spencer's Falls.....	6.1
12	Gray dolomites with numerous cherty nodules, this forms the brow of cliff at junction of Ravines from Spencer's and Webster's Falls.....	12.0
11	Shaly dolomites, with shaly partings.....	2.0
10	Compact dark gray dolomites, more or less argillo-arenaceous, in beds from two to two and a half feet thick.....	16.9
9	Dolomitic blue shales, with shaly dolomites.....	13.1
8	Compact light gray dolomite in one bed. This bed is constant for many miles, and it was from this that the dip was calculated, and checked in by other beds	5.3
7	Niagara dolomites, covered here, but exposed elsewhere.....	10.0
	—	65.4

CLINTON FORMATION.

6	Clinton bluish shales, with numerous thin beds of argillaceous dolomites, some of which are also very ferruginous, others are more arenaceous. Many contain fossils. Portions of the series are covered, but, being exposed in numerous places, show the character of the whole formation just described....	77.5
5	Argillo-arenaceous dolomites, which may be considered as beds of passage to the Medina beneath.	8.2
	—	85.7