

SECTION III. (at Hamilton).

This section was measured along the brow of the escarpment at the city of Hamilton, between the ravine at the head of James street and the "Jolly Cut" road, about half a mile to the eastward. The section is in descending order. The numbering of the beds connects the section with the corresponding beds at Dundas. (See note in Appendix.)

<i>Beds. No.</i>	NIAGARA FORMATION.	<i>Thickness. Feet.</i>
12	Thin gray dolomites, with an abundance of cherty nodules. This bed is known as the "Chert Bed," and forms the brow of the escarpment at Hamilton and eastward, being 338 feet above lake at head of James street. At head of Queen street this series is 19 feet thick	12.0
11	Argillaceous dolomites, with shaly partings—upper	
10	portion known as the "Blue Building Beds." Beds 0.5-1 foot thick. (See analysis and fossils.)	15.5
9	Dark hard dolomitic shales and dolomites weathering to gray—and lower beds most shaly. (See analysis.)	10.5
8	Thick bed gray crystalline dolomite (nearly pure)...	4.5
7	Argillo-arenaceous dolomite in beds from 1-1.5 feet thick. (See analysis)	8.8
		51.3

CLINTON FORMATION.

6b	Earthy dolomite, with shaly partings.....	8.0
6a	Clinton shales, all dolomitic, with thin beds of harder rock, some of which are arenaceous, and others to a thickness of about 7 feet, are areno-ferruginous. The upper 9 feet may be considered as passage beds	76.9
5	Passage beds of argillaceous dolomites. (Top projecting portion is glaciated, and is 254 feet above lake)	8.8
		93.7

MEDINA FORMATION.

4&3	Coarse gray sandstone—"Gray Band." This bed varies in thickness.....	6.5
2&1	Medina variegated red and green shales. Thickness from calculation of Dundas Artesian Well.....	538.5
		545.0
	Total thickness	690.0