3. Unevenly bedded impure bituminous limestone band with *Asaphus Canadensis*, Chapman, *Orthis testudinaria*, &c.	0	7
4. Soft, friable and brittle shales, with abundance of fossil remains—*O. testudinaria, L. sericea*, &c.	0	2¾
5. Light grey band of impure limestone, bituminous, and holding *Conularia Trentonensis, Leptæna sericea, Asaphus Canadensis, O. testudinaria*, &c.	0	4
6. Thin, irregular and unevenly bedded soft friable shales which disintegrate readily, teeming with fossils which appear bleached or white on the brownish-yellow weathering grey shales holding *L. sericea* and *O. testudinaria* in abundance.	0	1½
7. Black bituminous impure limestone with *Leptæna sericea, Orthis emacerata, Asaphus Canadensis*, &c.	0	8
8 Black bituminous shales holding abundance of trilobitic remains, especially those of *Asaphus Canadensis*. Resembles that band which crops out along the Rideau River shore near the Rifle Range	1	2
9. Band of impure, highly bituminous limestone, black in colour, with irregular splintery and at times conchoidal fracture, holding remains of *Asaphus Canadensis, Endoceras proteiforme, Strophomena alternata*, Conrad	0	11
10. Black, bituminous and somewhat splintery brittle shales. Amongst the species of fossils observed there were: *Leptograptus flaccidus*, Hall, (?) *Sagenella ambigua*, Walcott, *Conularia Trentonensis, Leptæna sericea, Schizocrania filosa*, Hall, *Leptobolus insignis*, Hall, *Endoceras proteiforme*, var. *tenuistriatum, Asaphus Canadensis, Primitia Ulrichi*, Jones, &c.	0	7
	6	0¾

It would thus appear that we have shales and limestones interstratified with each other in this portion of the Utica, showing the intimate and close relationship to the underlying Trenton. A summary of the above section gives us :—

SUMMARY OF SECTION AT NEW EDINBURGH.

	FEET.	INCHES.
1. Limestone	0	9.
2. Shales	0	8.