

FIELD TRIP GUIDE

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General Field Trip Information

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Introduction

A series of stops on this geomorphology field trip will illustrate ecological aspects of the modern river and gorge as well as the ancient river. The ecosystem aspects will be considered very broadly, but it will become evident that enormous changes have taken place in the biotic systems operative in the gorge system over the last few thousand years - and more recently within centuries and decades. Radical changes continue with the erection of high buildings on the Canadian side.

The stops (Figure 1) provide a visual access to most of the significant reaches in the river. Figure 2, from Charles Lyell (1845) still illustrates the regional geology accurately enough to be useful as a guide.

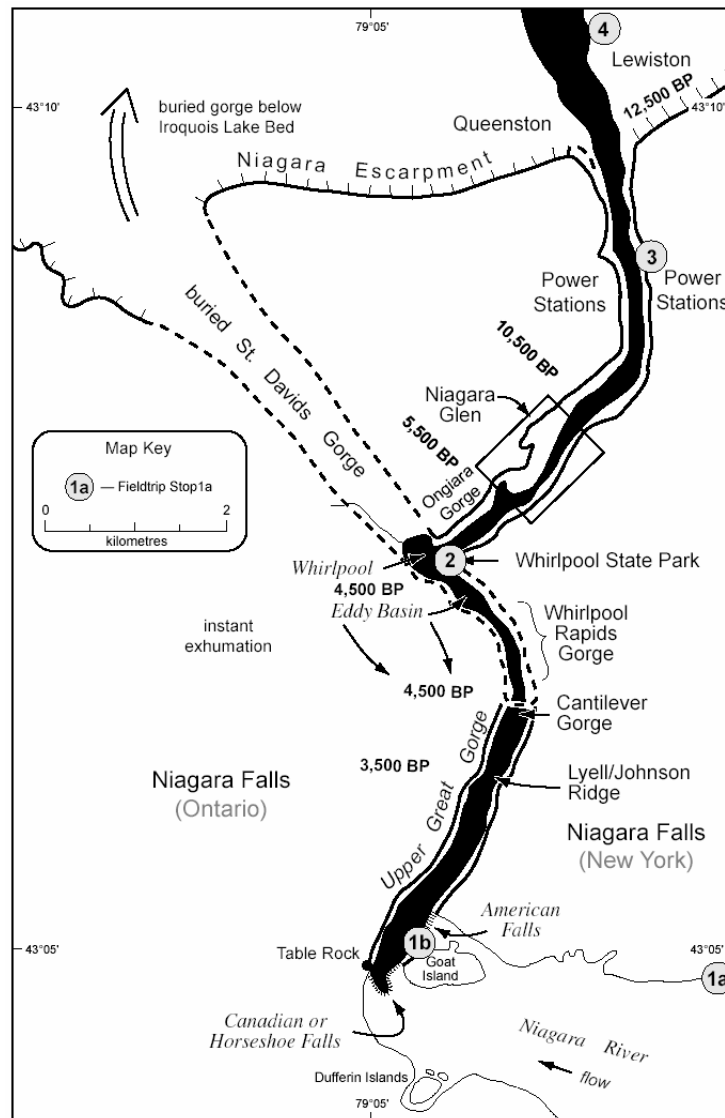


Figure 1: The main named sections of the Niagara Gorge (not all referred to in this Guide), and the approximate locations of the Field trip stops.

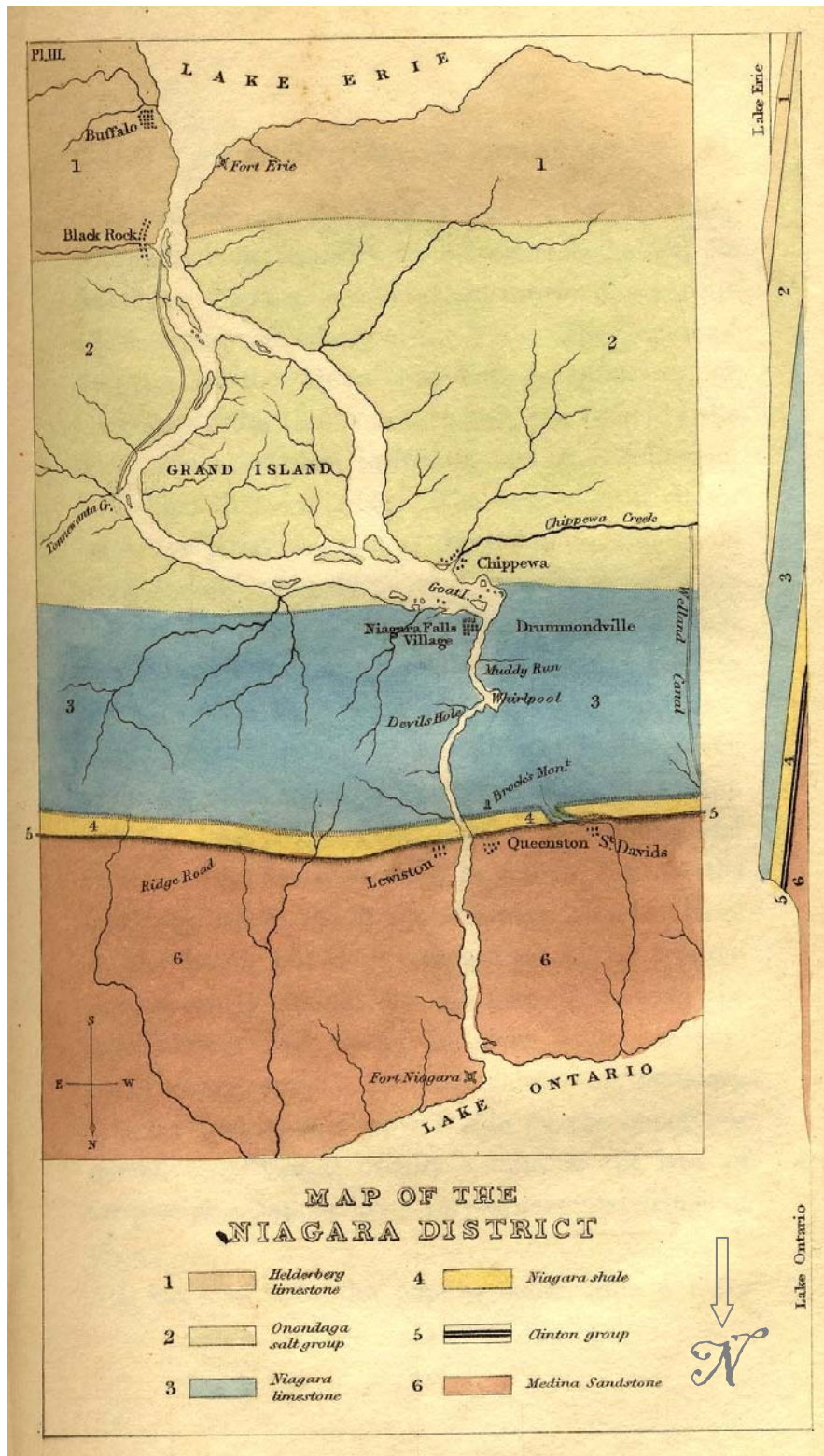


Figure 2: The first geological map of Niagara Peninsula in the Falls area (Charles Lyell (1845)).