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APGO EDUCATION FOUNDATION LAUNCHES FIRST GEOTRAILS IN NIAGARA REGION ON GEOSCIENCEINFO.COM

August 22, 2022, Toronto, Ontario: The APGO Education Foundation (“the Foundation”) is pleased to announce the launch of its new hiking-based series of “Geotrails” in the Niagara Region on GeoscienceINFO.com. The first three **Geotrails** released are: **Chedoke Radial Trail** and **Tiffany Falls** along the **Bruce Trail** and **Ball’s Falls** within the proposed **Global Geopark** (Figure 1). To visit our Geotrails go to [GeoscienceINFO-Geotrails](#).

Geotrails are 1–3-hour long hikes on seasoned trails with stops along the way highlighting areas of geological significance. Users can experience Geotrails in person or virtually from home. Our Geotrails are designed to be readily accessible and provide the user with an immersive experience through the application of ESRI’s latest ArcGIS-based technology.

Key features include:

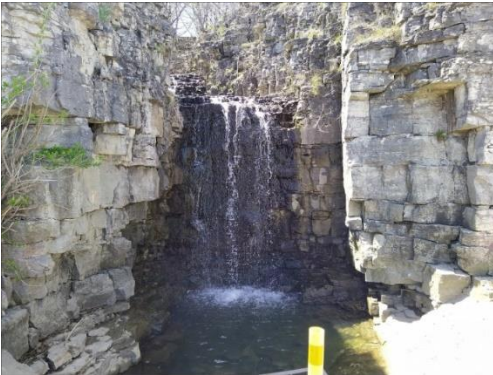
- 360-degree photos and/or drone videos to provide a thorough overview of each site.
- 3D LiDAR images that show where key features such as fossils, important structures and other geological features are on the outcrops.
- Slide bars to show where important stratigraphic units are, and
- Descriptions of the geological features written in an understandable form for the public
- Audio descriptions are included in many of the segments.

Dr. Bill Pearson, P.Geo., Chair of the Foundation commented: “Our GeoscienceINFO team led by Dr. Deana Schwarz, P.Geo. working closely with our field team from the School of Earth, Environment & Society at McMaster University led by Dr. Carolyn Eyles, P.Geo. have done an outstanding job of developing this first of series of Geotrails, We plan to develop many more going forward to enhance public knowledge of the important geological and environmental history of the Niagara Escarpment. We are incredibly pleased to partner with the Bruce Trail Conservancy (BTC) and the Niagara Peninsula Aspiring Global Geopark (NPAGG) in developing these Geotrails.

Ball's Falls Geotrail – The Ball's Falls Geotrail takes you on a tour from the Upper Falls to the spectacular Lower Falls. Here, you will learn about how these waterfalls formed by fluvial erosion after glacial ice that covered the Niagara area between 22,000 and 13,000 years ago retreated to the north. As you walk the approximately 1-kilometre trail, see fossils, dolostone outcrops, and a massive rock fall near the trail.



Lower Falls, Ball's Falls Geotrail.



Princess Falls, Chedoke Radial Geotrail.

Chedoke Radial Trail Geotrail – If waterfalls are on your mind, then the Chedoke Radial Trail Geotrail is the answer. In addition to beautiful waterfalls, you will see fossil-rich dolostones, learn about the animals that lived here 450 million years ago, and what the environment was like during that time. You will also learn about fluvial dynamics, how water flow has been dealt with in the past, and the consequences of the actions taken.

Tiffany Falls Geotrail – This area is considered an *Earth Science Area of Regional Significance* and does not lack beautiful views and interesting geology! Here, you can see active slope and valley processes. The interactions between the river and land formations have created unique habitats where different creatures are able to thrive. Follow this exciting Geotrail to explore the links between local wildlife and geology associated with the Niagara Escarpment bordering the Dundas Valley.



Tiffany Falls, Tiffany Falls Geotrail.

Want to know more about the fascinating geological and environmental history of the Niagara Escarpment? – Watch our Geovideo at <https://geoscienceinfo.com/geovideos>.



Map of Niagara region showing Geotrail locations.

ABOUT THE APGO EDUCATION FOUNDATION

The APGO Education Foundation (“the Foundation”) is a registered charitable organization under the Canada Not-for-profit Corporations Act, registration number 84604 5052 RR0001.

The purpose of the charity is to advance the education of the public in the area of geoscience by:

- Holding lectures, presentations, and conferences on geoscience both in person and virtually to introduce geoscience to high school and university students as well as enhance the knowledge of the general public.
- Providing scholarships to post-secondary students for the study of geoscience in the final year of a Bachelor of Science (B.Sc.) degree program.
- Providing bursaries to immigrants to Canada who are internationally trained geoscientists and have demonstrated financial need for completion of licensure procedures for registration as professional geoscientists (P.Ge.o.’s) in Ontario.

The Foundation provides funding to support innovative geoscience education projects working with university geoscience departments, community groups and not-for-profit organizations across Ontario. Please see our website at www.apgoedfoundation.ca

GeoscienceINFO.com is an innovative one-stop spot for the public to access information about the earth beneath their feet. This new website provides interesting information on all facets of geoscience. A particularly exciting feature of GeoscienceINFO.com is the highlighting of virtual fieldtrips in different

areas in Ontario. This enables viewers to experience and learn about the geology of an area while traversing it digitally in ESRI ArcGIS Online™ and StoryMaps™. Information on the latest discoveries and news in the world of geoscience is featured on the website, on our blog [Beneath Your Feet: A Geoscience Blog](#), as well as on our social media.

If you like our work, please consider making a tax-deductible donation to support our programs.

To Donate - <https://www.canadahelps.org/en/charities/apgo-education-foundation/>

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