

ONGeoSciVid001 METADATA

GENERAL INFORMATION

Title

Ontario Geological Survey Virtual Field Trip: Geology of the Sudbury Impact Structure

Alternate Title

ONGeoSciVid001

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Abstract

This video provides an overview of the geology of the Sudbury Impact Structure, including the evidence of impact in the footwall and hanging wall, the effects of the impact on the footwall, and the rocks formed by the impact (melt sheet, sublayer and impact melt dikes, and pseudotachylite). The field trip is based on the Sudbury Structure field trips that have been given for over 20 years by the Sudbury District Office of the Ontario Geological Survey Resident Geologist Program, recent work in the southwest Sudbury Structure by Gordon and others, previously published Sudbury geology field guides, and works by numerous researchers. The field trip is provided in video (.mp4) format and is accompanied by 3 documents in portable document format (.pdf).

Purpose or Objective

The purpose of this video is to provide a general geological overview of the Sudbury Impact Structure. The target audience is the geological community.

This project is part of the *Ontario Geological Survey Virtual Showcase 2022*, and the Ontario Geological Survey "Ontario Geoscience Video" series.

The objective of this product is to collect and disseminate geoscience information for Ontario.

Keywords

Geological Survey

Geology

Ministry of Mines

MINES

Ontario Geological Survey

OGS

Ontario Geoscience Video

ONGeoSciVid
Educational Resources
Teaching Materials
Southern Province (Geological)
Northern Ontario

Business Themes

Geological Survey
Geology

GEOGRAPHIC INFORMATION

Geographic bounding box (decimal degrees)

| | |
|---------------------------------|-----------|
| North bounding latitude: | 46.8870° |
| West bounding longitude: | -81.6388° |
| East bounding longitude: | -80.6169° |
| South bounding latitude: | 46.3571° |

Description of Completeness: irregularly shaped study area - completeness not available

MAPPING INFORMATION:

| | |
|--|-------------------------------|
| Grid Coordinate System Used: | Universal Transverse Mercator |
| Map Projection: | Transverse Mercator |
| Horizontal Geodetic Datum: | NAD83 |
| Vertical Datum: | Not Applicable |
| Horizontal Position Accuracy of Features: | Not Applicable |
| Vertical Position Accuracy of Features: | Not Applicable |

DATA SOURCE INFORMATION

Data Source Type and Description

Includes Bibliographic Information: Product includes references to other sources of information

Data Source Type and Description

Direct Field Collection: Photographs.

Current Status of the Data: Complete

Frequency of Changes or Additions to be made to the Data: Not Planned

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