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Burt, A.K. and Hagedorn, G.W. 2022. From mighty moraines to dramatic drumlins: Introducing the Guelph 3-D sediment mapping project; presentation, Ontario Geological Survey Virtual Showcase 2022, October 25–27, 2022, available as Ontario Geological Survey, OGS Showcase, recorded presentation SHOWCASE-22-210 [accessed month day, year].

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OGS Showcase

This publication can be downloaded from www.geologyontario.mines.gov.on.ca/persistent-linking?publication=SHOWCASE.

Other Ontario Geological Survey (OGS) publications can be downloaded from GeologyOntario (www.hub.geologyontario.mines.gov.on.ca).

Introduction

Beginning December 15, 2022, selected presentations from the *Ontario Geological Survey Virtual Showcase 2022*, held October 25 to 27, 2022, are available to download until October 31, 2023 (note: not all presenters have made recordings available). The presentations are provided in video (.mp4) format and are accompanied by the OGS Virtual Showcase 2022 Technical Program and other documentation in portable document format (.pdf).

Contents

The following files are included in this publication:

OGS_Virtual_Showcase_2022_Technical_Program.pdf is the final technical program for OGS Virtual Showcase 2022, with numbers assigned to each presentation; for example “SHOWCASE-22-110”, where “-110” represents day 1 presentation 10. This numbering is also used as part of the video file names (see below and Table 1).

OGS_Showcase_2022_Land_Acknowledgments.pdf provides the text of the Welcoming Statement and Land Acknowledgments delivered at the beginning of Day 2 and Day 3 of the *OGS Virtual Showcase 2022*.

Individual presentations are provided in compressed video (.mp4) format.

Table 1 lists the selected presentation recordings being made available.

Each video file name is composed of information linking it to the Technical Program:

SHOWCASE-22-day and **presentation number** (as listed in the Technical Program);

+ **_session topic**, where “CritMin” = Critical Minerals; “ExplRes” = Resources to Explore Ontario; “inNE” = Insights into Northeastern Ontario’s Geology; “inSO” = Insights in Southern Ontario’s Geology; “inNW” = Insights into Northwestern Ontario; “DiscRoF” = Discovering the Geoscience of Ontario’s “Ring of Fire”; “inON” = Insights into Province-wide Geology;

+ **_author name(s)**

Table 1. List of file names for the selected presentations available in SHOWCASE through GeologyOntario.

| Video File Name | Title | Author(s) |
|---|---|-------------------------------|
| SHOWCASE-22-103_CritMin_Puumala | <i>Ontario Critical Minerals Projects and Exploration Opportunities</i> | M.A. Puumala |
| SHOWCASE-22-104_CritMin_Bennett | <i>Catching it by the Tailings: An Introduction to the OGS Critical Minerals Mine Waste Sampling Project</i> | D.J. Bennett |
| SHOWCASE-22-106_CritMin_Cundari | <i>Introduction to the OGS Fertile Granites Project</i> | R.M. Cundari |
| SHOWCASE-22-107_CritMin_Duguet | <i>Update on the Precambrian Geology of the Georgia Lake Area, Quetico Subprovince, Northwestern Ontario</i> | M. Duguet |
| SHOWCASE-22-108_CritMin_Amyotte | <i>Investigation of Biogeochemistry Exploration Techniques to Aid in Exploration for Lithium-Cesium-Tantalum (LCT) Pegmatite Units</i> | E.G. Amyotte |
| SHOWCASE-22-110_ExplRes_Burnham | <i>Analytical Developments at the OGS's Geoscience Laboratories in Support of Ontario's Critical Minerals Strategy</i> | O.M. Burnham |
| SHOWCASE-22-111_ExplRes_Crabtree_Clarke | <i>The Role of the Geoscience Laboratories Mineralogy Section in Supporting Ontario Geological Survey Projects</i> | D.C. Crabtree and S.A. Clarke |
| SHOWCASE-22-112_ExplRes_Castrechino | <i>Producing and Delivering the Best Provincial Geoscience Data for Users</i> | C. Castrechino |
| SHOWCASE-22-113_ExplRes_Dorland | <i>Demo of OGSEarth Data Sets Including OGSFocus and the OGS GeoData Listing</i> | G. Dorland |
| SHOWCASE-22-114_ExplRes_Préfontaine | <i>Adding New Data Sets: A Work in Progress</i> | S. Préfontaine |
| SHOWCASE-22-116_ExplRes_MetsarantaDA | <i>Resident Geologist Program's Drill Core Libraries – An Invaluable Tool for Exploration</i> | D.-A. Metsaranta |
| SHOWCASE-22-202_inNE_Azadbakht | <i>Exploration, Mining and Resident Geologist Program Activity Update for the Timmins and Sault Ste. Marie Districts</i> | Z. Azadbakht |
| SHOWCASE-22-203_inNE_Chadwick | <i>Exploration, Mining and Resident Geologist Program Activity Update for the Kirkland Lake and Sudbury Districts</i> | P.J. Chadwick |
| SHOWCASE-22-207_inNE_Gao | <i>Northern Ontario's Warmer Geological Past: Evidence for Carolinian Forest Under a Much Warmer Climate in the James Bay Lowland in the Mid-Pliocene</i> | C. Gao |
| SHOWCASE-22-208_inNE_Marich | <i>Beyond the Clay: Quaternary Geological Mapping of Ontario's Great Clay Belt</i> | A.S. Marich |
| SHOWCASE-22-209_inSO_Mancini | <i>Exploration, Mining and Resident Geologist Program Activity Update for Southern Ontario</i> | L.A. Mancini |
| SHOWCASE-22-210_inSO_Burt_Hagedorn | <i>From Mighty Moraines to Dramatic Drumlins: Introducing the Guelph 3-D Sediment Mapping Project</i> | A.K. Burt and G.W. Hagedorn |

| Video File Name | Title | Author(s) |
|---|---|--|
| SHOWCASE-22-212_inSO_BelandOtis-et-al | <i>Correlating the Basal Paleozoic Succession in Southern Ontario - From Chaos to Clarity</i> | C. Béland Otis, K.E. Hahn and F.R. Brunton |
| SHOWCASE-22-213_inSO_Hahn | <i>Geological Mapping of Potentially Alkali Carbonate Reactive Beds in the Kingston Area</i> | K.E. Hahn |
| SHOWCASE-22-214_inSO_Sun-et-al | <i>Geologic Controls on Porosity and Permeability in the Silurian Lockport Group and Salina Group A-1 Carbonate, Southwestern Ontario</i> | S. Sun, F.R. Brunton, T.R. Carter, J. Jin and H.A.J. Russell |
| SHOWCASE-22-215_inSO_Paterson-et-al | <i>Subsurface Correlation of the Lower Silurian Medina Group, Southwestern Ontario – 2022</i> | R.H. Paterson, F.R. Brunton, J. Jin and A.R. Phillips |
| SHOWCASE-22-302_inNW_Malegus | <i>Exploration, Mining and Resident Geologist Program Activity Update for the Red Lake and Kenora Districts</i> | P.M. Malegus |
| SHOWCASE-22-303_inNW_Kurucz_Paju | <i>Exploration, Mining and Resident Geologist Program Activity Update for the Thunder Bay North District</i> | S.V. Kurucz and G.F. Paju |
| SHOWCASE-22-304_inNW_Campbell | <i>Exploration, Mining and Resident Geologist Program Activity Update for the Thunder Bay South District</i> | D.A. Campbell |
| SHOWCASE-22-305_inNW_Meade | <i>Geology of the Rowan–Kakagi Greenstone Belt, Western Wabigoon Subprovince</i> | S.R. Meade |
| SHOWCASE-22-308_DiscRoF_Handley_Dyer | <i>Peat Geochemistry and Soil Gas Hydrocarbon Data Over Known ‘Ring of Fire’ Ni-Cu and Cr Deposits; Potential Exploration Method in Thick Peat Landscapes</i> | L.A. Handley and R.D. Dyer |
| SHOWCASE-22-310_inON_Biswas_Evangelatos | <i>Probing the Earth: Geophysics at the OGS</i> | S. Biswas and J. Evangelatos |
| SHOWCASE-22-311_inON_Daniels | <i>Resident Geologist Program’s Land Use Geology – Informing Land-Use Planning Decisions</i> | C.M. Daniels |

Transcripts are available upon request.

For more information or to provide feedback, contact us at OGS@ontario.ca; please include “OGS Showcase 2022” in the subject line.

Updated March 22, 2023.