

PARTNERING
TOWARDS DISCOVERYIMPALA CANADA INVESTS \$375K TO SUPPORT
ESTABLISHING A NEW INDUSTRIAL RESEARCH
CHAIR IN MINERAL EXPLORATION AT LAKEHEAD

Impala Canada is investing \$375K to help establish a new industrial research chair in mineral exploration at Lakehead University. This investment acted as a catalyst to secure additional funding from the Northern Ontario Heritage Fund, the Natural Sciences and Engineering Research Council

of Canada, and Lakehead University for a total commitment of \$2.15 million, to advance research outcomes and strategic goals through the Lakehead Centre of Excellence for Sustainable Mining and Exploration. Dr. Pete Hollings is the new NOFHC Industrial Research Chair in Mineral Exploration and is already recruiting his research team.

This collaboration will be a true partnership as the Impala geology team will work closely with the researchers and provide in-field support. Dr. Hollings and his team will have unparalleled access to the geological database at Impala Canada's Lac Des Iles Mine and regional exploration properties, a database that is several orders of magnitude greater than most academic-based geoscientific projects.

“Exploration is the lifeline of the mining industry, and finding new, economically viable mineral deposits opens the door to generations of new jobs, investment and community development. We are proud to co-invest in this industrial research chair and partner in the world-class research led by Dr. Peter Hollings at Lakehead University.”

— Tim Hill, CEO, Impala Canada

CLEAN AIR METALS SUPPORTS RESEARCH



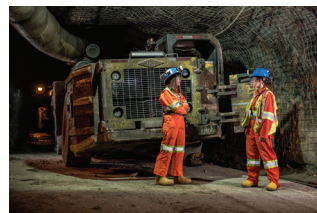
Clean Air Metals is investing \$150K in a project with researchers at Lakehead University to investigate the Thunder Bay North igneous complex, part of the Midcontinent Rift. The Natural Sciences and

Engineering Research Council of Canada Alliance Program is also a major funding partner.

MSc students Connor Cagliotti and Kahlid Yahia with Postdoctoral Fellow Matt Brzozowski led by geology professor Dr. Pete Hollings, will be working to understand the geology and mineralization of a unique, mineral-rich feature north of Thunder Bay. The research team will work closely with the geological team at Clean Air Metals and Derek Wilton, from Memorial University in Newfoundland.

The research team will be busy this summer sampling and logging drill core prior to completing a comprehensive geochemical analysis program that will be used to characterize both the sulphide mineralization and a number of the less studied intrusions on Clean Air's property.

WESDOME GOLD MINES PARTNERS WITH LAKEHEAD



Wesdome Gold Mines Ltd. has recently committed to supporting a new project with the Geology Department at Lakehead that will focus on the shear zone hosted gold mineralization of the Eagle River Complex in the

Mishibishu greenstone belt, Northern Ontario. Three BSc and two MSc students, using fundamental geological mapping and logging combined with traditional state-of-the-art analytical techniques, will characterize the system associated with the gold deposits within the belt that hosts them.



“Despite the challenges of Covid it has been an exciting year for CESME both in terms of new research partnerships but also completely new research directions as we have started to engage a broader cross-section of the research community with our industry partners.”

— Dr. Pete Hollings, CESME Director, NOFHC Industrial Research Chair in Mineral Exploration

**EXCEPTIONAL.
UNCONVENTIONAL.**



Lakehead
UNIVERSITY

LAKEHEAD ALUMNUS AND NORTHERN ONTARIO PROSPECTOR WINS PRESTIGIOUS INTERNATIONAL AWARD



Phil Walford, Lakehead University Alumnus, BSc Geo '70, along with his colleague Sherry Dunsworth, will be receiving the prestigious 2021 Bill Dennis Award from the Prospectors and Developers Association of Canada for

their discovery and delineation of Valentine, the largest undeveloped gold resource in Atlantic Canada.

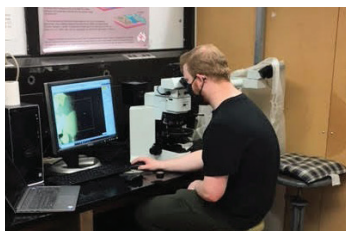
"What is rare and newsworthy for Lakehead, is that last year another Lakehead Honoree, Rudy Wahl, who received an Honourary Doctorate in Science from Lakehead, was the recipient of this award. To have two alumni granted this award in back to back years is remarkable and good for the university and the geology department in particular," said Walford.

INDIGENOUS CERTIFICATE IN GEOLOGICAL STUDIES REBRANDED

For the past couple of years, CESME has been developing the Indigenous Certificate in Geological Studies. Now, after partnering with Denise Baxter, Vice Provost Indigenous Initiatives, the project has been rebranded The Asin (Rock) Certificate in Geological Studies (ACGS) and we are hoping to start offering this program in the Fall of 2021.

CESME HIGHLIGHTS

One of the primary goals of CESME is to recruit and foster faculty, postdoctoral fellows, postgraduate and undergraduate student participation.



“ It has been a challenging year as the Geology Department has adapted our teaching to the realities of COVID, but thanks to hard work from the faculty and some very detailed safety protocols, we have managed to not only teach our 4th year field school in the Fall but have continued to teach many of our labs face to face. This has ensured the integrity of our program and given students the true Lakehead experience.”

— Dr. Pete Hollings, Chair - Department of Geology

SINCERE GRATITUDE TO OUR DONORS

Thank you to our donors. Your generous support of the following CESME awards provides our graduate students with an interdisciplinary approach to research. This approach is providing a learning experience that better prepares them for the unique regional needs of Northern Ontario.

DR. MELVILLE BARTLEY MEMORIAL CESME AWARD



Our most recent recipient of this award, Patrick Hamilton, is completing his work studying the alteration of the Pemberton Hills lithocap on Northern Vancouver Island. His research is contributing to further development of models and exploration tools pertaining to linked porphyry-epithermal systems worldwide.

SNC LAVALIN SCHOLARSHIP



Amber Fedus is the current recipient of the SNC Lavalin Scholarship. She is working on her PHD with Dr. Mike Rennie in the Experimental Lakes Area in Northern Ontario. Amber is investigating the impact of macrophyte removal on whole lake ecosystems which will provide insights into the management of fisheries in lakes also experiencing aquatic plant management.

JOHN R. CRAIG MEMORIAL CESME AWARD



Erin Knight, MSc. Forestry, is a current recipient of this award which is supporting her research into understanding how Indigenous-led environmental monitoring (EM) and land stewardship initiatives advance

Indigenous practitioner development in the natural resources sectors.



Laura Gosse, MSc. Environmental Studies, is a current recipient of this award which is supporting her research into how to create platforms in central Canadian heritage spaces for authentic Indigenous narratives, identifying deficiencies that exist in the sharing of Indigenous narratives.



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