

LAKEHEAD Lakehead University Geology Department Alumni Newsletter #13 GEOLOGY

May, 2016

Department News

It has been another hectic year in the Geology Department, particularly as we had a bumper crop of 21 honours students completing their theses. Those of you in town would have had a chance to come out and see their presentations over the last few months and I hope you were as impressed as we were. With all those students graduating this year the good news is that we are still seeing good numbers of new students who clearly see Geology as a great career despite the current industry down turn. We have also been busy reaching out to our alumni with well attended events at Roundup and PDAC this year and for the first time we shared a booth with the CEDC and Confederation College in the main Trade Show. It is always great to catch up with our alumni at these events but we are happy to hear from you any time, especially if you find yourselves passing through Thunder Bay.

Student Success

Sam Metteer, one of our fourth year Honours students, was awarded the GAC-PDAC Logan Student Prize for Lakehead. The prize consists of a monetary award, one-year memberships in both GAC and PDAC. Sam will also be our representative at PDAC's 10th annual Student-Industry Mineral Exploration Workshop (S-IMEW). This year the two New Gold Rainy River Project awards went to Jeremy Hietala and Amy Cleaver while the Lakehead Regional Safety Council Awards went to Teegan Ojala and Ruby Reid Sharp.

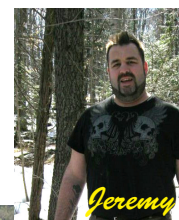
Masters student Brigitte G  linas was this year's recipient of the Bernie Schnieders award which she received from John Mason and Shannon Zurevinski at the Annual NWOPA meeting. For her thesis Brigitte is mapping the Laird Lake area of the Red Lake greenstone belt in a project supported by Bounty Gold. Brigitte was also awarded a Society of Economic Geology Graduate Student Fellowship sponsored by Newmont Mining Corporation. The Barrick Gold Graduate Scholarship was awarded to Doug Nikkila who

is working with Dr. Zurevinski on the mineralogy and petrology of layered nepheline syenites in the Centre II Coldwell Complex and the Ben Cowan Graduate Scholarship went to James Salter who is working with Dr. Diochon on nitrogen cycling in Boreal Shield catchments.

As always the faculty and students would like to thank all the donors who made these awards possible - your support of our students is greatly appreciated!



The Lakehead Team - Pete Hollings, Maria Phipps, Pres. Brian Stephenson, Cam Clark and John Mason



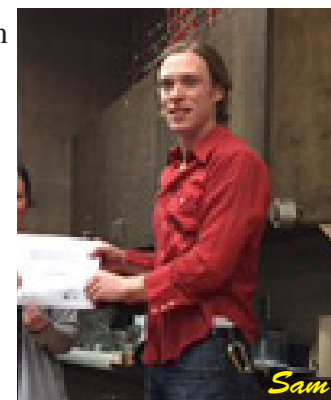
Jeremy



Amy



John, Brigitte & Shannon



Sam

Please contact peter.hollings@lakeheadu.ca if you have a story to share



L to R, top - Ayat Baig, Josh Bousi, Ben Kowalczyk, Mike McLeod & Tom Lanos. L to R, bottom - Jordan Quinn, Matt Arges, Ben Kuzmich & Tyler Williams.

Alumni at work

Despite the slow down in the industry Lakehead alumni are still making an impact. Nine of our graduates recently got together at Hemlo to take this photo. Are you working with other LU grads? Can you put together a bigger group than this motley crew?

Research Success

Dr. Amanda Diochon received her first NSERC Discovery grant this year, for her project “The effect of disturbance on carbon cycling in boreal forest soils”. Forest harvesting and wildfire disturb the carbon cycle in the soils of the boreal forest in fundamentally different ways. During harvesting mechanical disturbance physically mixes organic matter from the organic layer into the mineral soil while combustion of the organic layer in a fire chemically transforms organic matter and produces ash and char that increases the pH and releases nutrients. Over the next five years she will investigate these differences and is already busy recruiting students to work with her. Amanda has also received a grant from OMAFRA to support her research into “Managing in a changing climate: identifying rotation and tillage practises that maintain or enhance soil carbon and soil health”.

At the same time Dr. Pete Hollings was awarded an NSERC Collaborative Research Development grant to support two MSc students investigating the alteration around the Hemlo gold deposit. This project is being undertaken in collaboration with Barrick Gold Limited and the University of Tasmania as part of AMIRA Project P1153 “Applying the explorers’ toolbox to discover porphyry and epithermal Cu, Au and Mo deposits”.

CESME

At PDAC this year Steve Lindley from SNC Lavalin (seen here with Dr. Pete Hollings and President Brian Stevenson) announced that they were providing a scholarship to support a PhD student working with CESME. The student will work on a research project that relates to either the environmental or First Nations pillars of CESME. We have also continued our successful Speaker Series. On February 10, Dr. Tom Morris gave a great talk to a packed house on “Northern Superior Resources Litigation vs. the Ontario Government: Are we really “Open for Business” in the Mineral Sector?” A couple of weeks later Dr. Terry Mitchell talked to us about “Self-determined development: Indigenous Rights and Resource Extraction in the Global Economy”. If you would like to see what you missed, videos of these presentations can be found [here](#).



Alumni appeal

Last year, Dr. Jim Franklin (see here examining drill core in the Ring of Fire with Honours student Andrew Hackner), partnered with alumnus Phil Walford to establish the Mel Bartley scholarship. This year Jim



followed up by launching a fund raising appeal to support our students. To learn more about this campaign click [here](#).



Want to know more? Please visit our web site at www.geology.lakeheadu.ca