

2015 PARTICIPANTS



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Lianna Vice Carleton University



Billy GarrisonDalhousie University



Percy Clark Fleming College



Christopher Beckett-Brown Laurentian University



Marc – Antoine Vanier Laval University



Aidan Ditchburn McGill University



Keaton Strongman McMaster University



Chris Voisey
Memorial University of
Newfoundland



Logan Behuniak Mount Royal University



Mackenzie McConnell Northern Alberta Institute of Technology



Natalie Blacklock Queen's University



Catherine Sedge Saint Mary's University



John MacFarlane St. Francis Xavier University

2015 PARTICIPANTS



Lisa Côté Université du Québec à Chicoutimi



Colin Padget University of New Brunswick



Melissa FriendUniversity of British
Columbia



Allan Lion University of Ottawa



Tyler GlubrechtUniversity of Calgary



Sean HillacreUniversity of
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Derek Drayson University of Manitoba



Joseph Vrzovski University of Toronto



Kurtis Sanderson University of Victoria



Robin Taves University of Waterloo



Nicolas Cookson Western University







Premier Sponsor





FRIDAY, MAY 1 – S-IMEW 2015 gets underway



The calm before the storm - backpacks and binders await the arrival of the S-IMEW students





Official welcome by Karen Rees, Scott Jobin-Bevans, and Krishana Michaud (left to right)





Patrick McAndless (Geodude Corner) talks about careers in the geosciences, and is thanked on behalf of the students by Percy Clark (Fleming College)





Aftab Khan (APGO) explains all about the importance of professional registration, and is thanked on behalf of the students by Logan Behuniak (Mount Royal University)





There is no shortage of student questions during the morning session of Networking and Career Development Day





Tony Green presents a geoscience industry overview, and is thanked on behalf of the students by Melissa Friend (University of British Columbia)





Dave Thomas (Resource Capital Funds) introduces the students to the capital markets, and is thanked on behalf of the students by Nicolas Cookson (Western University)





S-IMEW behind the scenes





Dr. Scott Jobin-Bevans (Caracle Creek) speaks about flow through shares, joint ventures, and option agreements. Sean Hillacre (University of Saskatchewan) extends an acknowledgement of gratitude on behalf of the S-IMEW students





Group photo at Dynamic Earth in front of the "Big Nickel" prior to the welcome reception

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YANAGOLD





S-IMEW Welcome Reception at Dynamic Earth





Opening keynote speaker David Harquail (Franco-Nevada) with his wife Birgitta Harquail, and S-IMEW students Natalie Blacklock and Colin Padget (left to right) at the Welcome Reception





Opening keynote speaker David Harquail (Franco-Nevada) talks about his career, and the Franco-Nevada business model that allowed the company stock to outperform other gold companies and even gold itself





Opening keynote speaker David Harquail (Franco-Nevada) speaks to a full Atlas Copco Theatre at Dynamic Earth, and is thanked on behalf of the students by Robin Taves (University of Waterloo)





From left – Sean MacLean (MNDM), David Harquail (Franco-Nevada), and Scott Jobin-Bevans (Caracle Creek) at the Welcome Reception







S-IMEW Welcome Reception at Dynamic Earth



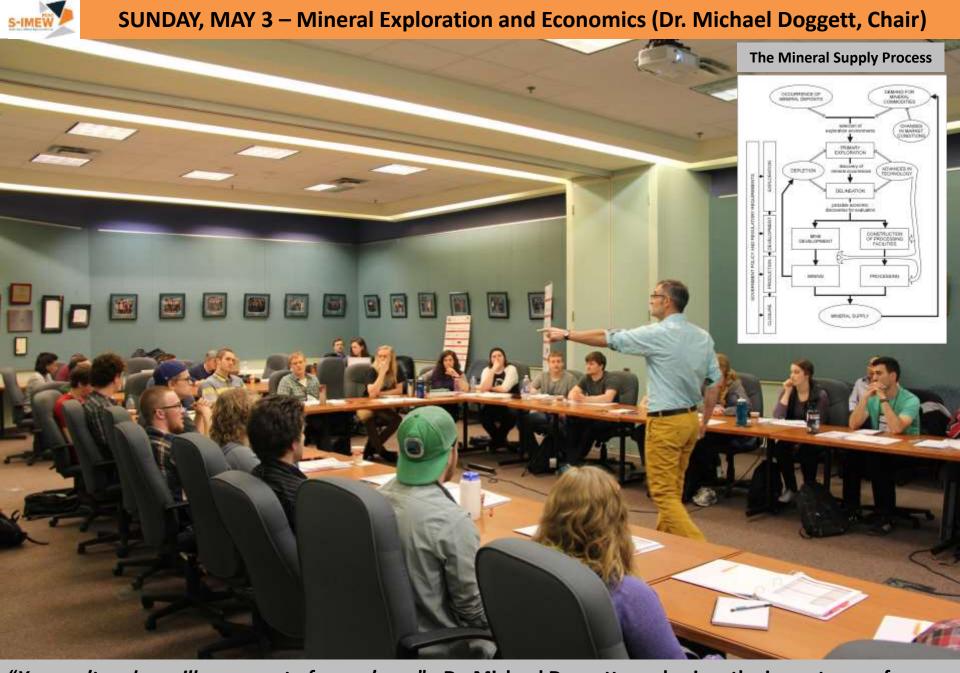


S-IMEW Welcome Reception at Dynamic Earth





S-IMEW Welcome Reception at Dynamic Earth



"You can't make a silk purse out of a sow's ear" - Dr. Michael Doggett emphasizes the importance of understanding both geological quality and economic quality





S-IMEW participants are tested on their skills to identify geological quality during Dr. Michael Doggett's lecture

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Michael Durose (Mining Research Group) talks to S-IMEW students on the topic of company evaluation before challenging them to evaluate two fictitious gold companies, and ultimately decide which company to invest in





High-risk, high-reward investments appear to be the popular strategy among the S-IMEW participants (preferably with a quick cash out), during Michael Durose's company evaluation exercise







Dr. Michael Doggett (Michael Doggett & Associates) and Michael Durose (Mining Research Group) are thanked on behalf of the S-IMEW students by Chris Beckett-Brown (Laurentian University) and Natalie Blacklock (Queen's University)



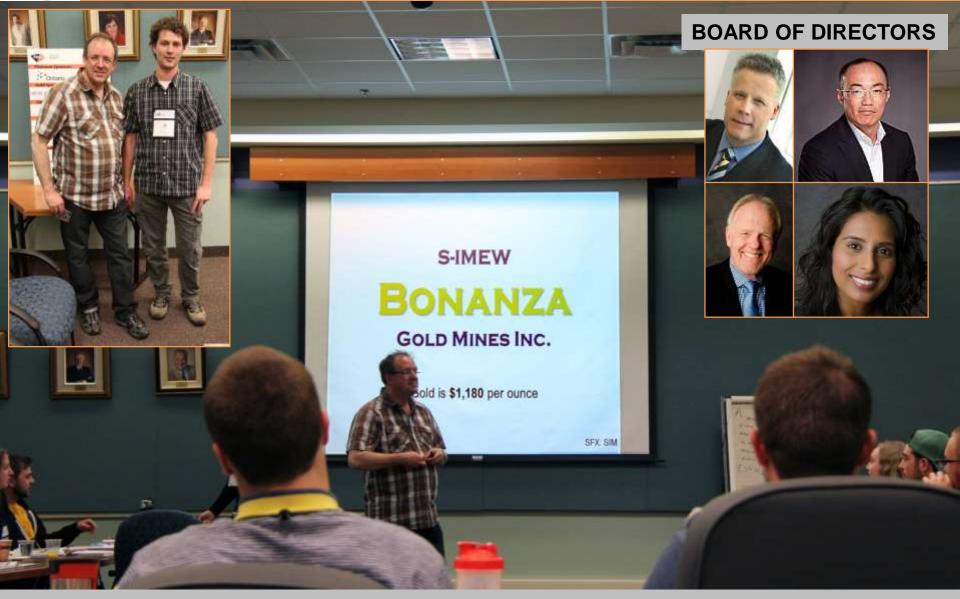


NI 43-101 is explained in detail by James Whyte (Ontario Securities Commission) who is thanked on behalf of the S-IMEW students by Derek Drayson (University of Manitoba)



Andrew Cheatle (PDAC) takes the students on an emotional roller coaster ride during a role-playing exercise that introduces the importance of Corporate Social Responsibility (CSR)





Pressure builds as Bonanza Gold Mines Inc.'s board of directors impatiently demands success, and S-IMEW participants are faced with an ethical dilemma as Andrew Cheatle's role-playing scenario plays out. Andrew is thanked on behalf of the S-IMEW students by Allan Lion (University of Ottawa)





The Goodman School of Mines' Executive Director Bruce Jago talks about a career in exploration and mining at Au Pied du Rocher, and is thanked on behalf of the students by Kurtis Sanderson (UVic)



MONDAY, MAY 4 - Sudbury Basin Field Day (Dan Farrow & Attila Pentek, Co-Chairs)

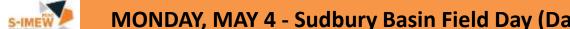


Jason Letto (Vale) introduces the Sudbury geology to S-IMEW participants, and is thanked on behalf of the students by Lisa Côté (University du Quebec a Chicoutimi)





Attila Pentek (Wallbridge Mining Ltd.) and Lindsay Hall (MNDM) introduce the first stop on the Sudbury Basin field trip





S-IMEW poses at the Sudbury nickel deposits discovery – Finally, first day in the field! Welcome to Sudbury!!

Gold Sponsors



AGNICO EAGLE





Keaton Strongman (McMaster University) inspects sulfide mineralization in the sublayer norite at the base of the Sudbury Igneous Complex.



MONDAY, MAY 4 - Sudbury Basin Field Day (Dan Farrow & Attila Pentek, Co-Chairs)



Da Da Da DAAAA, Da Da DAA....





Chris Beckett-Brown (Laurentian University) points to a carbonate concretion in sandstone of the **Chelmsford Formation during the Sudbury Basin field trip**





A rare example of non-mineralized sublayer norite is inspected during the Sudbury Basin field trip





Lunch time followed by a group photo session at the Onaping Falls





S-IMEW students inspect the Onaping Formation during Sudbury Basin field trip. Are these cool textures consistent with a fallback breccia model, or is it more complicated than that?



MONDAY, MAY 4 - Sudbury Basin Field Day (Dan Farrow & Attila Pentek, Co-Chairs)



Chris Beckett-Brown (Laurentian University) and Keaton Strongman (McMaster University) inspect a road cut, exposing crosscutting relationships between the Creighton granite and Sudbury Breccia



Dr. David Pearson (Laurentian University) ushers his audience to the windows of *Bryston's on the Park* to look down on what used to be a roast bed, before his talk on Sudbury's environmental history

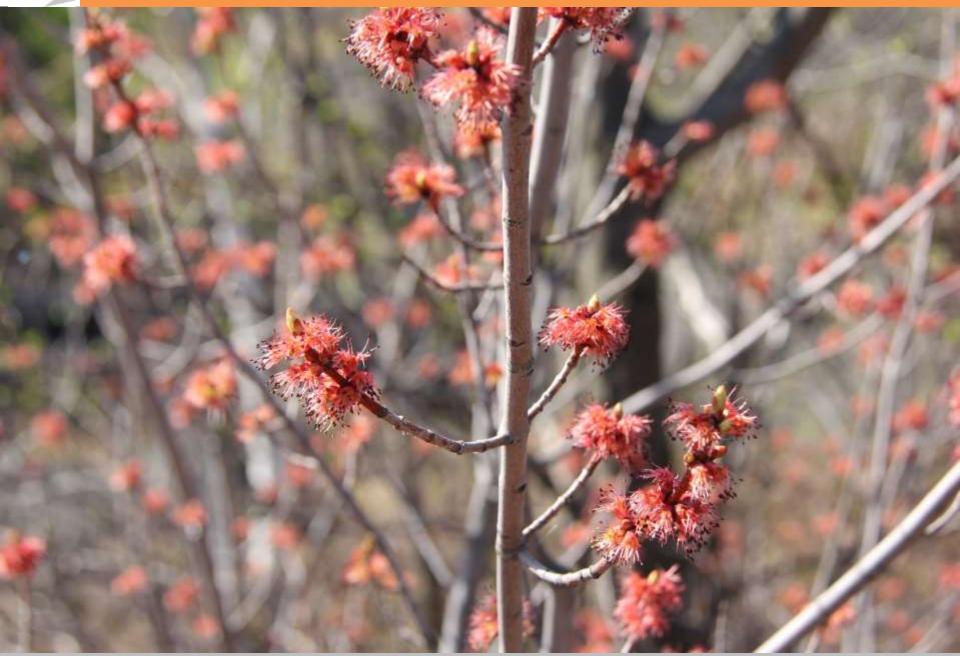






Attila Pentek (Wallbridge Mining Ltd.), Lindsay Hall (MNDM), and Dave Pearson (Laurentian University) thanked by students Billy Garrison (Dalhousie University), Joseph Vrzovski (University of Toronto), and Catherine Sedge (Saint Mary's University) (left to right, respectively)

TUESDAY, MAY 5 - Government Mapping Day (Sara McIlraith, Chair)



Spring is here! Government Mapping Day in the Laurentian University conservation area

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Golden Valley Mines Ltd. Mines de la Vallée de l'Or Itée





Ben Berger (MNDM – retired) introduces the first outcrop at Laurentian University during OGS mapping day





Group photo at Laurentian University during OGS mapping day



Robin Taves (University of Waterloo) on her mapping traverse in the Laurentian University conservation area during OGS mapping day



TUESDAY, MAY 5 - Government Mapping Day (Sara McIlraith, Chair)



John MacFarlane (St. Francis Xavier University) and Laura Ratcliffe (MNDM) measuring bedding orientation in the Mississagi sandstone on their traverse during Government Mapping Day





A group of silly geo's imitate Sudbury Breccia during OGS mapping day



TUESDAY, MAY 5 - Government Mapping Day (Sara McIlraith, Chair)



S-IMEW students acknowledge MNDM (OGS staff) for a wonderful day in the field



TUESDAY, MAY 5 - Government Mapping Day (Sara McIlraith, Chair)



Mike Fox (Fox High Impact Consulting) speaks on aboriginal participation and partnership in the mining industry, and is thanked on behalf of the S-IMEW participants by Tyler Glubrecht (University of Calgary)





Heading to the Glencore Strathcona Mill early in the AM





Sam McGarry (Glencore) guides the S-IMEW students around the sophisticated tailings facility near Glencore's Strathcona Mill and Fraser Mine



S-IMEW students are invited for BBQ lunch at Glencore, where Chef Jim is grilling burgers and sausages - mmmMMMmmm

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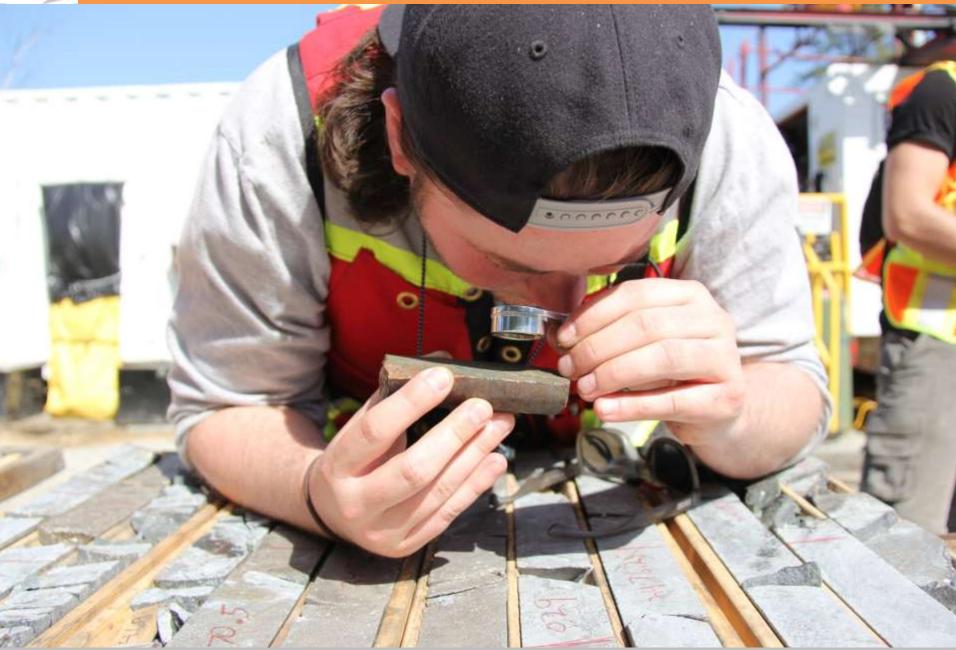
GOODMAN SCHOOL OF MINES ÉCOLE DES MINES





Glencore drill site visit with Foraco International SA drillers and Glencore geologist explaining the intricacies of diamond drilling





Three deposits in 1 day....Derek Drayson (University of Manitoba) doesn't mess around!







WEDNESDAY, MAY 6 – Glencore Day (Brad Lazich & Guido Serafini, Co-Chair)



King Kurtis Sanderson (U Vic) of the core pile!



WEDNESDAY, MAY 6 – Glencore Day (Brad Lazich & Guido Serafini, Co-Chair)



Glencore and Foraco International SA drill visit







Foraco International SA drillers thanked on behalf of the S-IMEW participants by Thomas Bagley (Acadia University), Marc-Antoine Vanier (Laval University), and Keaton Strongman (McMaster University)





Chief mine geologist Dave Richardson (Glencore) talks about his experience at the Fraser mine in Sudbury



Brad Lazich, Guido Serafini, and Dave Richardson of Glencore are thanked for their contribution to S-IMEW by Sean Hillacre (U. of Saskatchewan), Colin Padget (U. of New Brunswick), and Keaton Strongman (McMaster U)



THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Co-Chair Tim Dohey (Newmont Mining) gives a picturesque introduction to Geophysics Day by showing the places around the world where he has conducted geophysical surveys



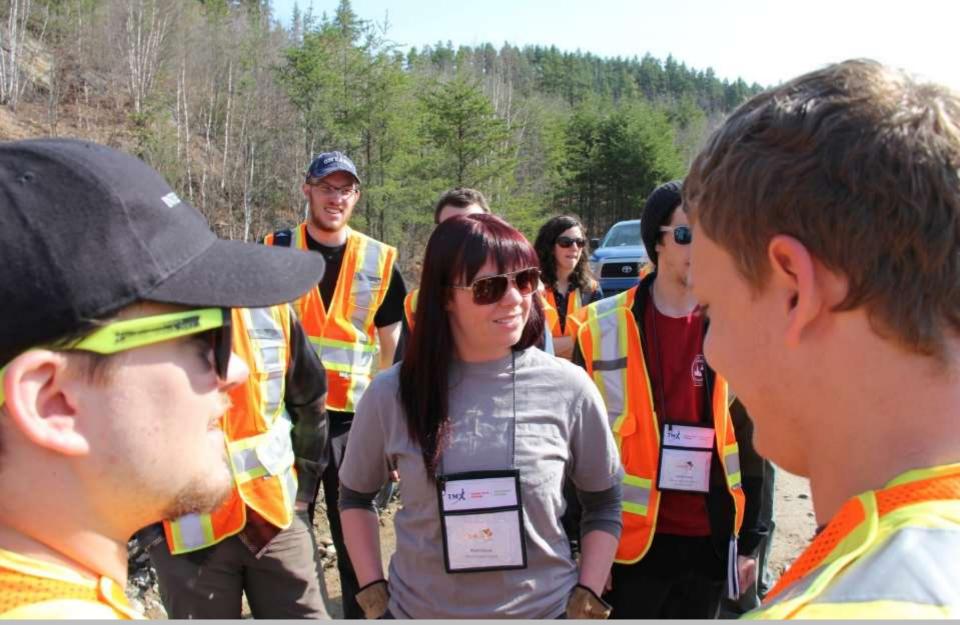


Sean Dickie (Vale) gets the geophysical surveying demonstrations underway

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S-IMEW participants huddle around Pam Coles (Abitibi Geophysics) as she explains how to conduct an IP survey





Scott Jobin-Bevans (CEO, Caracle Creek) and S-IMEW coordinator Linette MacInnis enjoying Geophysics day



THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Kurtis Sanderson (U Vic), Kurtis Sanderson (U Vic), and Kurtis Sanderson (U Vic) taking purple cow





Lianna Vice (Carleton University) and Mackenzie McConnell (Northern Alberta Institute of Technology) realize it is no simple task to carry geophysical equipment through the bush

THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Co-Chairs Brian Bengert (Vale) and Tim Dohey (Newmont Mining) in the middle of an aspiring group of S-IMEW students









NSERC Chair and Laurentian professor Richard Smith (Laurentian University) is having fun with Brian Bengert (Vale) and S-IMEW participant Aidan Ditchburn-Trout (McGill) as they test geophysical field equipment



THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Pam Coles (Abitibi Geophysics) presents her talk after the morning field demonstration, and is thanked on behalf of S-IMEW by Lianna Vice (Carleton University)



THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Dr. Richard Smith (Laurentian University) answers a question after his talk on airborne geophysical methods, and is thanked on behalf of the S-IMEW students by Robin Taves (University of Waterloo)







Krystal O'Neil (Vale) explains how to orient your EM survey to get the best coupling with the target during her afternoon talk, and is thanked on behalf of S-IMEW by Derek Drayson (University of Manitoba)



THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Richard Lachapelle (Scintrex) brings students outside for a demonstration during his gravity talk, and is thanked on behalf of the S-IMEW students by Mackenzie McConnell (Northern Alberta Institute of Technology)

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Chris Drielsma (DGI Geoscience) talks about borehole geophysics, and is thanked on behalf of the students by Chris Beckett-Brown (Laurentian University)



THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Geophysics Day ends with dinner and a talk at Ristorante Verdicchio



THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Future S-IMEW presenter Kurtis Sanderson (University of Victoria) takes the podium at Restaurant Verdicchio



THU, MAY 7 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Vale's Brian Bengert (Vale) receives a standing ovation after his passionate and inspiring talk on how he became a happy geophysicist after an initial Star Wars induced childhood dream of becoming an astronaut

S-IMEW

THU, MAY 8 - Exploration Geophysics Day (Brian Bengert & Tim Dohey, Co-Chairs)



Co-chairs Brian Bengert (right, Vale) and Tim Dohey (left, Newmont Mining) are thanked on behalf of the S-IMEW students by Marc-Antoine Vanier (Laval University) and Logan Behuniak (Mount Royal University), respectively





Stewart Hamilton (MNDM) welcomes the S-IMEW students to Geochemistry Day





Beth McClenaghan (GSC) talks about drift prospecting and indicator minerals





Richard Dyer (MNDM) talks about regional-scale geochemical mapping in Ontario, and cool helicopter action!





Heading out to do some lake sediment sampling......







Carlos Bazan (British Columbia Institute of Technology) sampling lake sediments during Geochemistry Day

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Kurtis Sanderson (University of Victoria) catches a lake sediment sample as it is coming out of the sampling device during Geochemistry Day







Fire assay! Yeeeeah!





Andy Bajc (MNDM) performing a till sample demonstration during Geochemistry Day



FRIDAY, MAY 8 - Geochemistry Day (Dr. Stew Hamilton & Richard Dyer, Co-Chairs)



Till....num num num





Glenna Keating (GeoLabs) talks about XRF and other analytical methods

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S-IMEW students looking at diamond indicator minerals during Geochemistry Day, directed by Beth McClenaghan (GSC)





The beautiful Vale Living with Lakes Centre at Laurentian University, one of the most environmentally-





The Art Gallery of Sudbury hosts the dinner, and evening talk





Celebrating a S-IMEW birthday - Happy Birthday Kurtis from all of us!





Dr. Phil Thurston (Laurentian University) speaks to the S-IMEW students (and President Lincoln) during the evening reception, and is thanked on behalf of S-IMEW by Lisa Côté (University du Quebec a Chicoutimi)

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From right- Marshall Hall (Wallbridge Mining Ltd.) with Robin Taves (UW) and Lisa Côté (UQAC) exploring for Ni-Cu-PGE mineralization in the North Range of the Sudbury Structure

SAT, MAY 9 - Exploration Mapping (Ian Trinder & Dr. Scott Jobin-Bevans, Co-Chairs)



Logan Behuniak (Mount Royal University) and his group discuss new field observations, and what their next move should be







Györgyi Tuba (Wallbridge Mining Ltd.) and her group of S-IMEW students appear to have found something of interest on their mapping traverse



SAT, MAY 9 - Exploration Mapping (Ian Trinder & Dr. Scott Jobin-Bevans, Co-Chairs)



Co-Chairs Ian Trinder (top right) and Scott Jobin-Bevans (back row middle) with Wallbridge Mining geologists and S-IMEW students



SAT, MAY 9 - Exploration Mapping (Ian Trinder & Dr. Scott Jobin-Bevans, Co-Chairs)



Carmen Diges (REV Law) shares her experience as a lawyer in the mining business, and is thanked on behalf of S-IMEW by John MacFarlane (St. Francis Xavier University)





Dr. Phil Thurston (Laurentian University) walks through the regional geology from Sudbury to Val d'Or at a pit stop in Temagami at the beginning of the Val d'Or and Noranda Field Trip



SUNDAY, MAY 10 - Field Trip: Geology (Dr. Phil Thurston & Ian Trinder, Co-Chairs)



Hanging out with a BIF in Temagami





Bienvenue à Québec!





A soft landing on some pillow basalts





Michael Rosatelli (Golden Valley Mines) explains what it takes to be successful in the exploration business

Workshop Sponsors











Michael Rosatelli (Golden Valley Mines) welcomes S-IMEW to Val d'Or and Golden Valley Mines Ltd and is





Glenn Mullan (Golden Valley Mines) invites S-IMEW students for dinner and a talk at his home in Val d'Or, and is thanked by Melissa Friend (University of British Columbia)





Welcome to the Agnico Eagle, LaRonde mine, with the 2.2-kilometre-deep Penna Shaft





Ready to go underground in the LaRonde mine





Heading down to the 170 level of Agnico Eagle's LaRonde mine through the 2.2-kilometre-deep Penna Shaft (likely the deepest single-lift shaft in the Western Hemisphere)

S-IMEW



John MacFarlane (St. FX, left) and Aidan Ditchburn (McGill University) 1.7 km underground in Agnico Eagle's







Senior Geologist David Pitre (Agnico Eagle) presents the geology of the LaRonde deposit in a refuge station 1.7 km underground – so cool! (and hot!)





A last look at the deposit scale geology before getting the hammers out













In-Kind Contributors













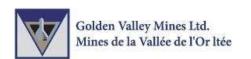
























































LaRonde mine - 1700 meters underground!





The wall rock temperatures reach 35°C at the deepest parts of the mine, but it is still pretty hot 1700 meters down!







Gold embroidered coveralls!



MONDAY, MAY 11 - Field Trip: Agnico Eagle Day



A convenient park bench 1.7 km underground to rest on while waiting for the cage to return to surface



MONDAY, MAY 11 - Field Trip: Agnico Eagle Day



Coveralls can be a great place to store samples while underground.





Group photo 1700 m underground in the LaRonde mine with the Penna Shaft as a backdrop







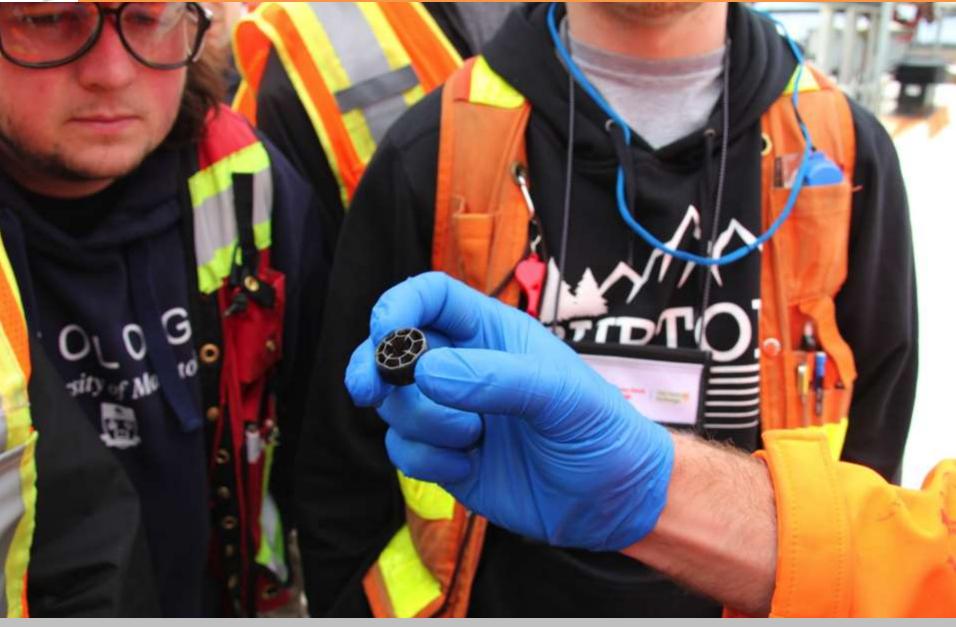
Agnico Eagle mine geologists/engineers thanked by S-IMEW students after a fantastic underground tour





Lianna Vice (Carleton University) and Joseph Vrzovski (University of Toronto) looking at productions core from the LaRonde Mine

S-IMEW



Bacteria are used at the biological water treatment facility at the LaRonde mine, and are capable of degrading toxic cyanide into ammonia, and further processing ammonia into nitrite and nitrate



MONDAY, MAY 11 - Field Trip: Agnico Eagle Day



When water treatment is successful





Guy Gosselin (Vice President, Exploration, Agnico Eagle) presents his evening talk about the Amaruq gold discovery in Nunavut, and is thanked by Mackenzie McConnell (NAIT)





Field trip leaders Gérald Riverin (Yorbeau Resources) and David Comba are speaking to the S-IMEW participants before heading to the first outcrop of the day in the Noranda Camp

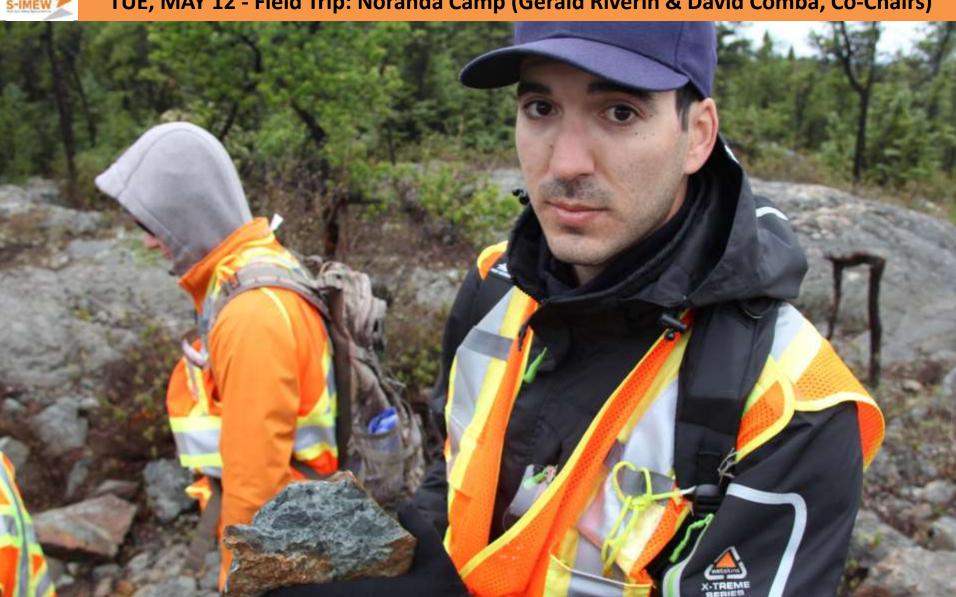


TUE, MAY 12 - Field Trip: Noranda Camp (Gerald Riverin & David Comba, Co-Chairs)



Gérald Riverin (Yorbeau Resources) and Linette MacInnis standing on what used to be the discordant alteration pipe to a VMS deposit, which subsequently was contact metamorphosed to a peculiar rock called dalmatianite because of cordierite porphyroblasts (center top)

TUE, MAY 12 - Field Trip: Noranda Camp (Gerald Riverin & David Comba, Co-Chairs)



Carlos Bazan (BCIT) holds a piece of breccia formed during steam generation when cold seawater comes into contact with hot solidified rock – an example of syn-volcanic fluid pathways that are important to **VMS** exploration





Marc-Antoine Vanier (Laval University) with his finger on the same horizon that hosts VMS deposits along strike





Columnar joint couch





S-IMEW students delineating a syn-volcanic fault





The infrastructure in Noranda is accommodating



TUE, MAY 12 - Field Trip: Noranda Camp (Gerald Riverin & David Comba, Co-Chairs)



Gerald and David finally enjoy a little break from the eager S-IMEW students during lunch



TUE, MAY 12 - Field Trip: Noranda Camp (Gerald Riverin & David Comba, Co-Chairs)



Subaqueous phreatomagmatic explosion breccias at Buttercup Hill that contains highly silicified andersite fragments, initially thought to be rhylolite



TUE, MAY 12 - Field Trip: Noranda Camp (Gerald Riverin & David Comba, Co-Chairs)



Gerald Riverin (Yorbeau Resources) is giving an evening talk about the Noranda Camp





Field trip leaders David Comba (middle left) and Gerald Riverin (middle right) are thanked on behalf of the S-IMEW students by Lyanna Vice (Carleton University) and Derek Drayson (University of Manitoba)





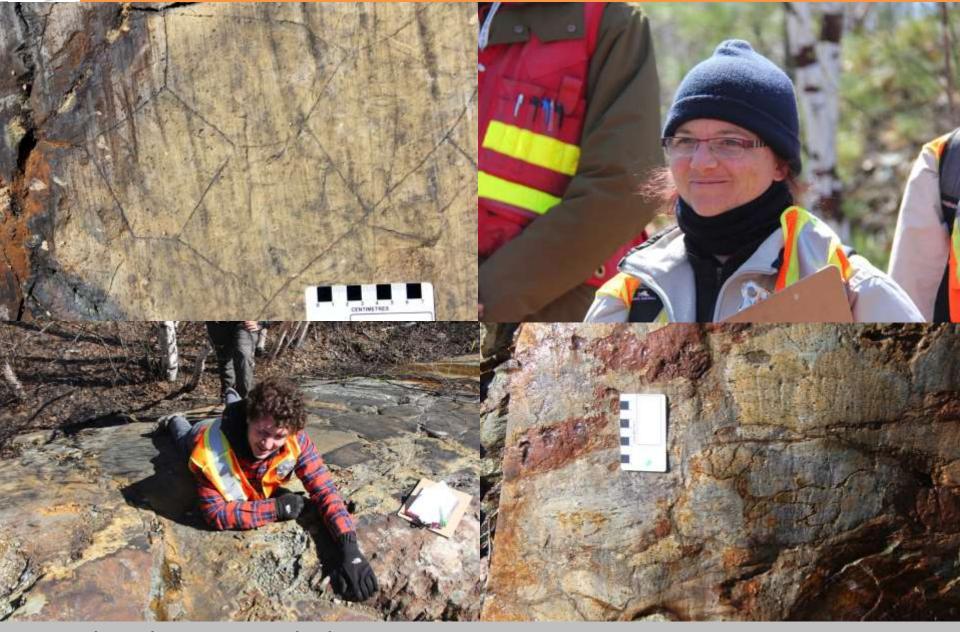
It's a cold but beautiful morning as the S-IMEW convoy rolls up at a well-exposed stratigraphic sequence of ancient volcanic rocks that are to be mapped under Dr. Harold Gibson's supervision





S-IMEW participants spends a day with Dr. Harold Gibson (Laurentian University & MERC) mapping volcanic stratigraphy in the Noranda camp





Lisa Cote (UQAC) and Allan Lion (UO) are enjoying the morning mapping exercise exposing the S-IMEW students to a variety of volcanic features

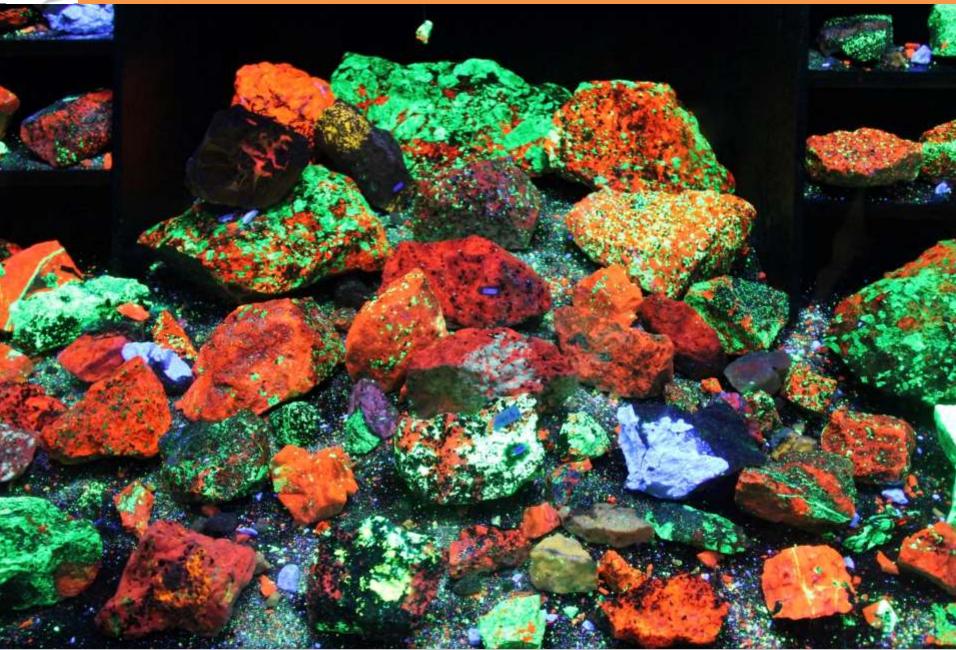




Dr. Harold Gibson (Laurentian University – MERC) is thanked by Chis Voisey (Memorial University), before joining the rest of the delegation for a group photo



WEDNESDAY, MAY 13 - Field Trip: Rouyn-Noranda, Cobalt

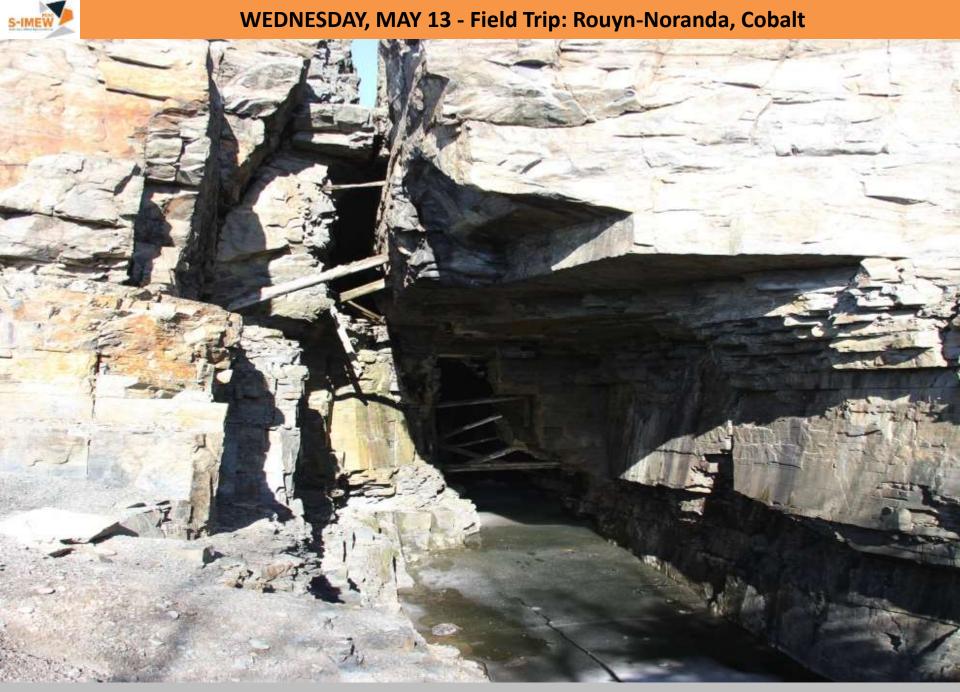


Spectacular fluorescent minerals at the Cobalt Mining Museum





From left, Lianna Vice (Carleton University) and Mackenzie McConnell (NAIT) are looking for silver ore in Cobalt with the downtown as a backdrop



Old mine workings in Cobalt following a narrow silver vein





A refreshing dive into the cold waters at Temiskaming Shores was inevitable





The smile of a successful prospector – Colin Padget (UNB) shows off his silver ore samples collected in







Dan Leroux (ACA Howe International Ltd.) talks to the students during the first Diamond Day in S-IMEW history, and is thanked on behalf of S-IMEW by Christopher Beckett-Brown (Laurentian University)



THURSDAY, MAY 14 – Diamond Day (Dan Leroux, Chair)



Nicole Januszczak (De Beers) talks about exploration approaches and techniques for primary diamond deposits, and is thanked on behalf of S-IMEW by Thomas Bagley (Acadia University)



THURSDAY, MAY 14 – Diamond Day (Dan Leroux, Chair)



Matt Manson (Stornoway Diamonds) talks about evaluation of diamond deposits, and is thanked on behalf of S-IMEW by Aidan Ditchburn-Trout (McGill University)



THURSDAY, MAY 14 – Diamond Day (Dan Leroux, Chair)



Diamond and kimberlite samples are investigated



THURSDAY, MAY 14 – Diamond Day (Dan Leroux, Chair)



George Read (Shore Gold Inc.) delivers his evening talk about the diamond industry and its sparkling future, and is thanked on behalf of S-IMEW by Billy Garrison (Dalhousie University)



FRIDAY, MAY 15 - Closing Day



Ian Trinder (ACA Howe International Ltd.) explains the ABC's of core logging, and is thanked on behalf of S-IMEW by Tyler Glubrecht (University of Calgary)



FRIDAY, MAY 15 - Closing Day



Students log core provided by IAMGOLD with Ian Trinder (ACA Howe International Ltd.) guiding them through the process

S-IMEW

FRIDAY, MAY 15 - Closing Day



Julie Selway (Caracle Creek International Consulting) share her insights on quality assurance and quality control, and is thanked on behalf of the S-IMEW participants by Percy Clark (Fleming College)



FRIDAY, MAY 16 - Closing Day



Elisabeth Ronacher (Ronacher Mckenzie Geoscience) talks about resource and 3D modelling, and is thanked on behalf of the S-IMEW participants by Derek Drayson (University of Manitoba)



FRIDAY, MAY 15 - Closing Day



Student S-IMEW reflections on Closing Day





Scott Jobin-Bevans and Felix Lee with the successful S-IMEW class of 2015 – Congratulations!