

2016 PARTICIPANTS



Taylor Chew Acadia University



Michael Frank
British Columbia Institute
of Technology



Mark Klapheke Brandon University



Stephanie KupersBrock University



Robert Wu
Carleton University



Monique RuhlDalhousie University



Quang Ngo Fleming College



Sam Metteer Lakehead University



Thomas Gore
Laurentian University



Lucia Krivankova-smal McMaster University



Stacey Paramenter
Memorial University of
Newfoundland



Kayla Hayashi Northern Alberta Institute of Technology



Nigel Bocking Queen's University



Corwin TrottierSaint Mary's University



Rita Dubman Simon Fraser University



Lori Paslawski St. Francis Xavier University



Grant HagedornUniversity of Guelph



Hannah Cavallin University of British Columbia



James Macdonald University of Manitoba



Eric Garcelon University of New Brunswick



Cassandra Powell
University of Ottawa



Anthony Knutson University of Calgary



Ryan Bachynski University of Regina



Jeremy BealesUniversity of Victoria



Helena Diao University of Waterloo



Dylan LangilleWestern University





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THURSDAY, **MAY** 5 – **Depart for Sudbury**



The S-IMEW motorcade about to leave for Sudbury to kick-off its 10th anniversary





S-IMEW participants are officially welcomed by Felix Lee (S-IMEW Co-Chair)



Patrick McAndless (Geodude Corner) helping the students discover their inner "Purple Cow"





Aftab Khan, APGO, explains how to become a registered professional geologist





Tony Green presenting an overview of the geoscience industry



FRIDAY, MAY 6 – Networking and Career Development Day



An attentive audience soaking up networking and career advice



FRIDAY, MAY 6 – Networking and Career Development Day



Karen Rees talking about flow through shares, joint ventures and option agreements





Many questions are asked during the morning session





PDAC's own Nadim Kara explains what the association is all about

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The annual "Big Nickel" group shot outside Dynamic Earth – PASSION!



Eric Giroux (Goodman School of Mines), Chris Beckett-Brown (LU) and Thomas Gore (LU)



FRIDAY, MAY 6 – Networking and Career Development Day



Dynamic Earth's rock collection attracts some attention



FRIDAY, MAY 6 – Networking and Career Development Day



Sharknado!



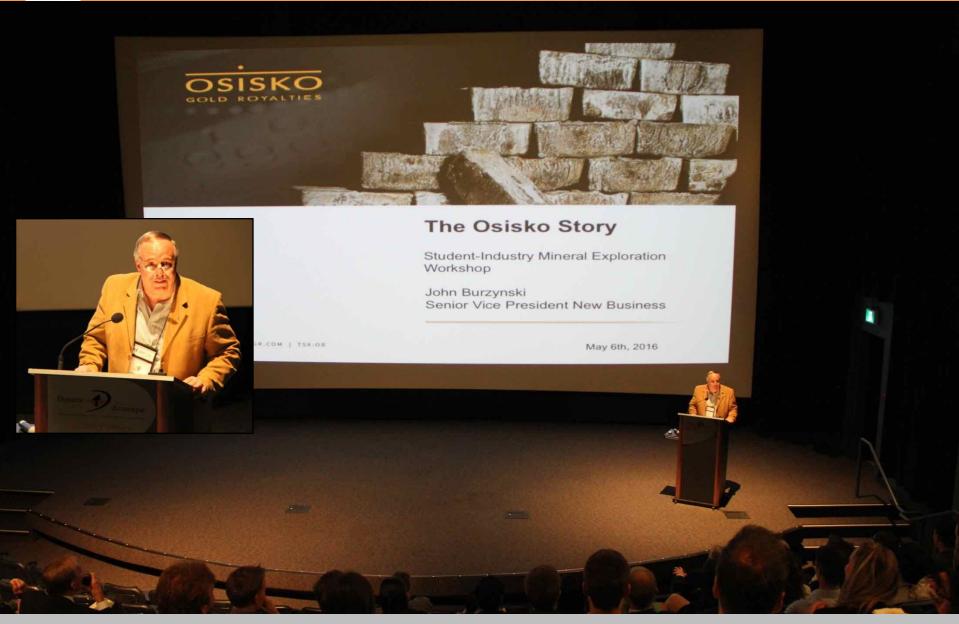
S-IMEW Welcome Reception at Dynamic Earth





Dylan Langille (Western) and Thomas Gore (Laurentian) at the S-IMEW Welcome Reception





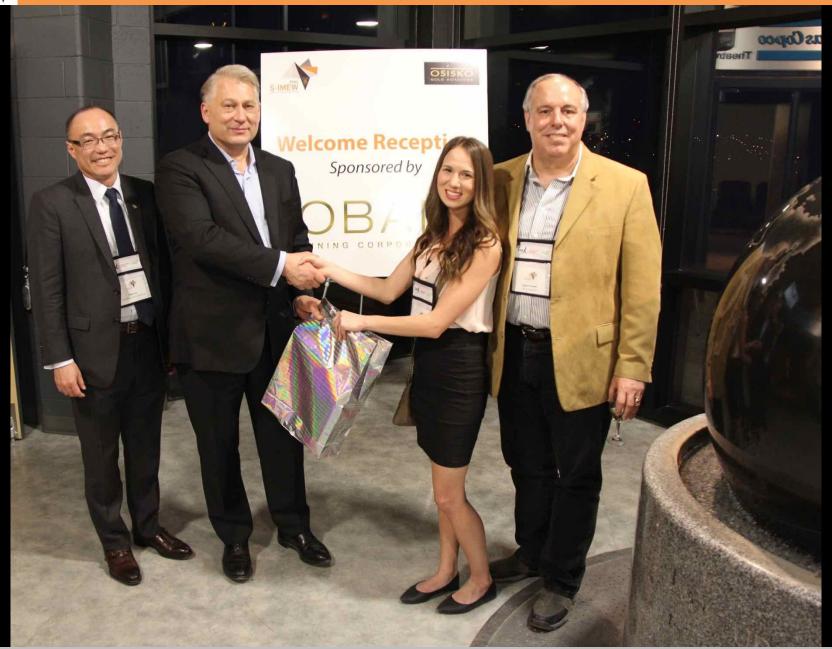
PDAC President Robert Schafer (Eagle Mines Management) introduces the Opening Keynote Speaker, John Burzynski, at the S-IMEW Welcome Reception





Opening Keynote Speaker John Burzynski (Osisko Gold Royalties) telling "The Osisko Story" in the Atlas Copco Theatre at Dynamic Earth





Felix Lee, John Burzynski, Kayla Hayashi (NAIT) and Robert Schafer





Dr. Michael Doggett relates geological quality to economic quality

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Sam Metteer (Lakehead U) identifies chrysocolla in one of Dr. Doggett's samples





Jeremy Beales (U Vic) identifies chalcocite in his sample after performing a streak test





Nigel Bocking (Queen's U) and his group presenting during the Gold Exploration Group



Craig Waldie explains what a NI 43-101 is all about





Matthew Pickard talks about permitting





Andrew Cheatle conducts a roleplaying game to stress the importance of CSR





S-IMEW alumni Paul Medici sharing his industry experiences and how S-IMEW impacted his career path



SUNDAY, MAY 8 – Sudbury Basin



Vale geologist, Jason Letto, introduces the Sudbury geology



SUNDAY, MAY 8 – Sudbury Basin



S-IMEW and Attila Penték, Wallbridge Mining, at the Sudbury discovery outcrop





Where it all started! S-IMEW students at the plaque commemorating the Sudbury discovery

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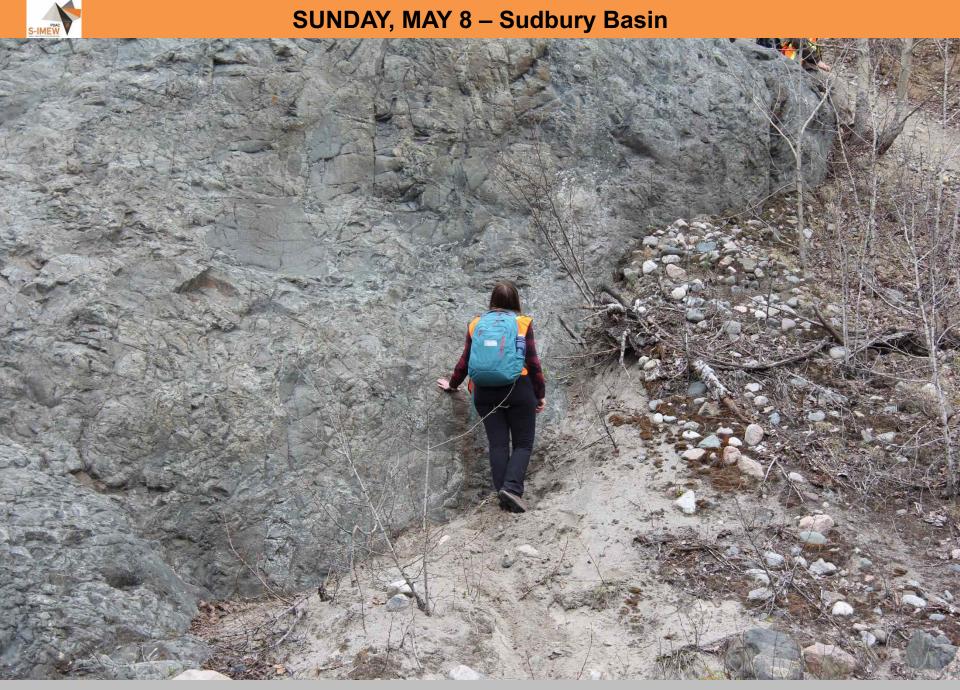


Mark Klapheke (Brandon U) reaches for a carbonate concretion in the Chelmsford Formation





Cassandra Powell (U Ottawa) looking for magnetite in a felsic dike

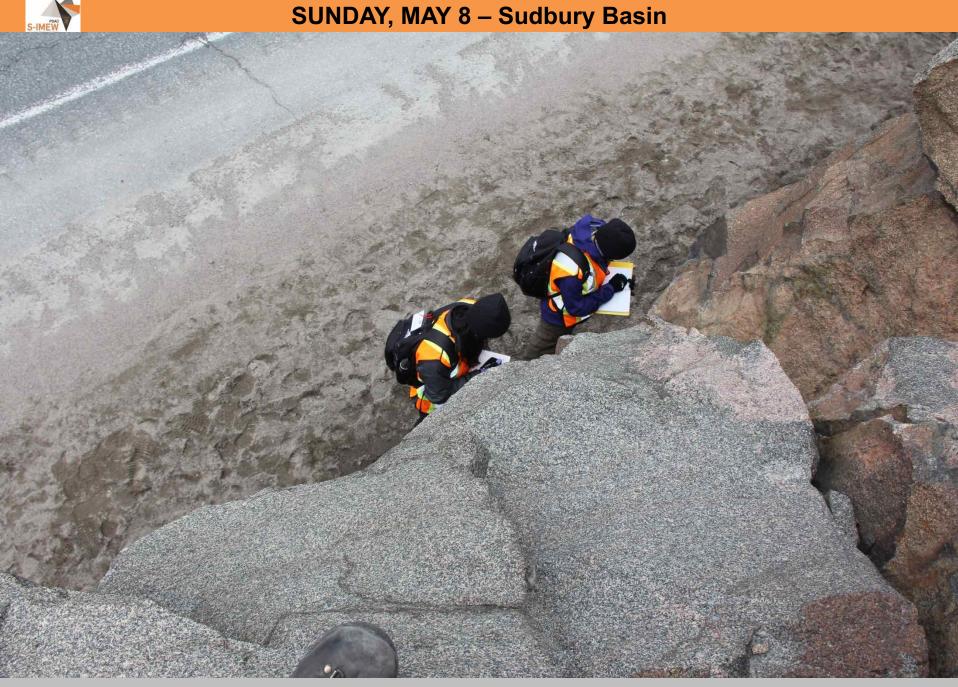


Stacey Parmenter (Memorial U) inspecting unmineralized SIC Sublayer



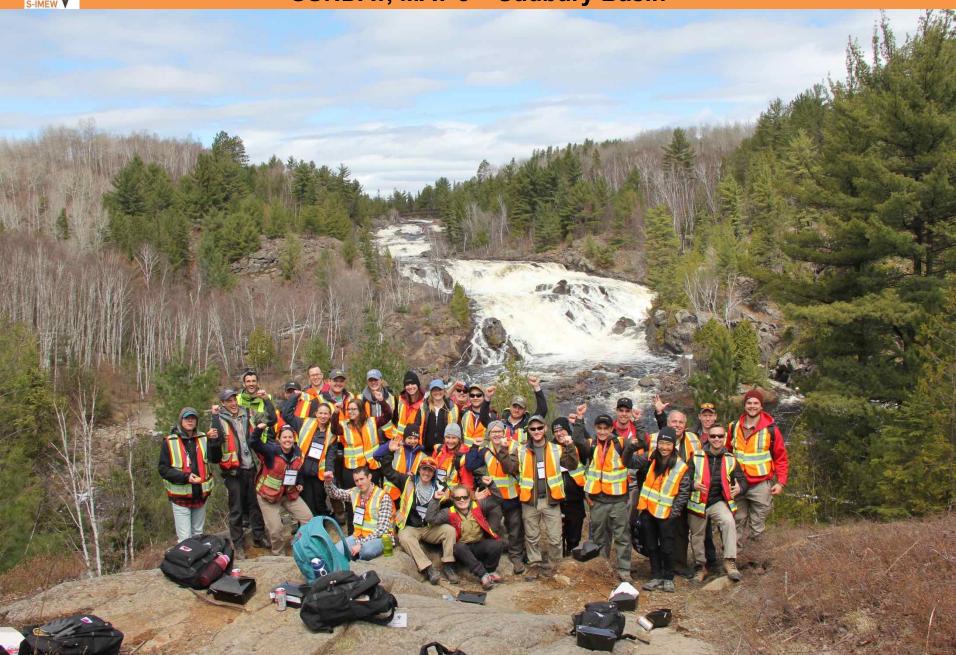


The difference between a geologist and an archaeologist....."We Ain't Afraid of No Snake!"



Bird's-eye view of the SIC Main Mass transition zone



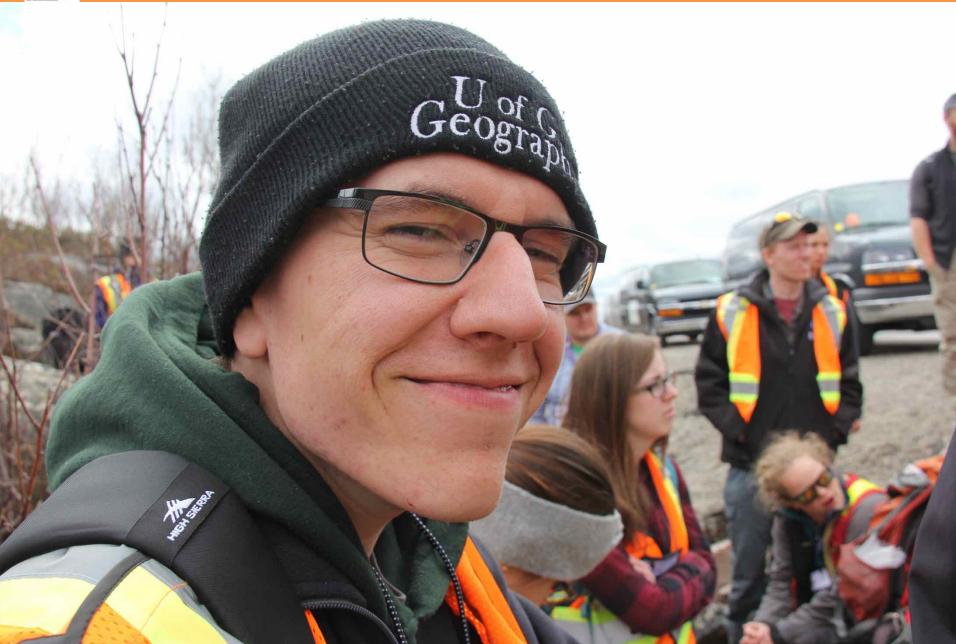


Group photo during lunch at Onaping Falls









Geography??? Grant Hagedorn (Guelph U) is in the market for a new toque

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





Crowdcrop....





Michael Frank (BCIT) enjoying the first day in the field





Recently uncovered Sudbury Breccia





Dinner at Restaurant Bryson's on the Park (old sulfide roast bed)





Dr. David Pearson (Laurentian U) talking about Sudbury's environmental history





Mark Smyk and Sara McIlraith (OGS) introducing Government Mapping Day





Caroline Gordon (OGS) explaining what a field season with the OGS would be like





SHATTER CONES!

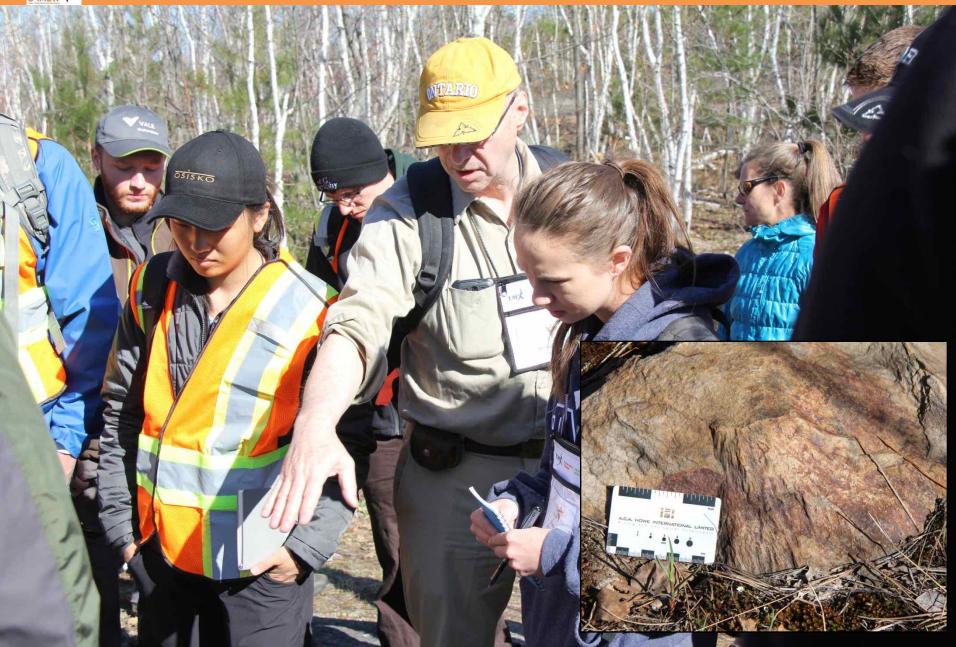
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Laurentian University Université Laurentienne

GOODMAN SCHOOL OF MINES ÉCOLE DES MINES





Ben Berger (retired OGS) showing S-IMEW students shatter cones





Group photo at Laurentian University during OGS mapping day





Eric Garcelon (UNB) leading the way through the bushes during OGS mapping day





Thomas Gore (Laurentian U) taking a closer look





Ben Berger's (retired OGS) group makes an interesting discovery....





Perfect day for field work!





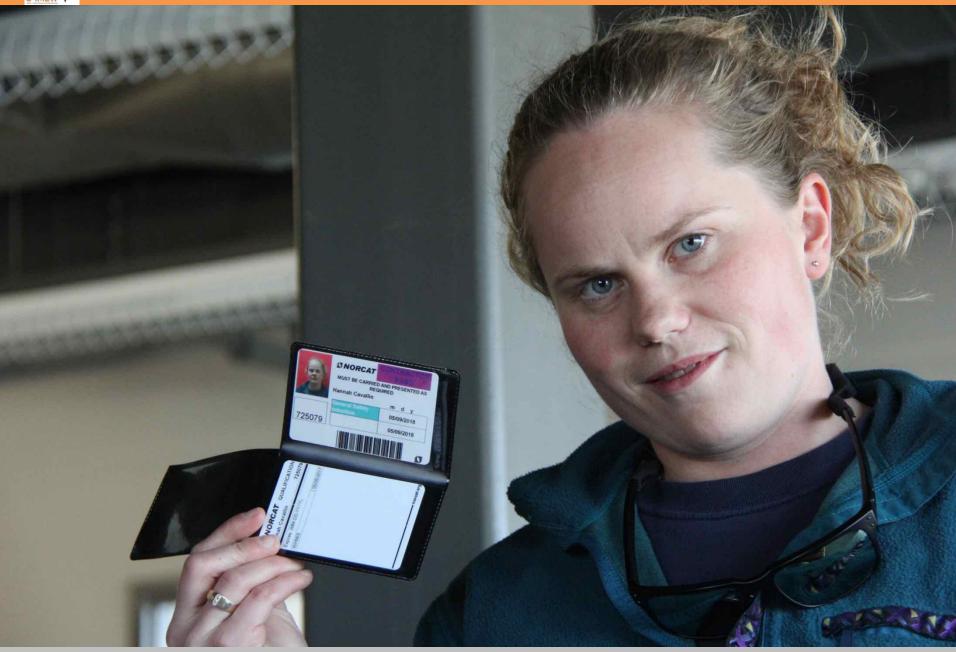
The field observations are collected, now to go through the interpretations.....





NORCAT safety training.....luckily they all passed





Hannah Cavallin (UBC) with her brand new NORCAT pass – ready for underground mapping!





Cheryl Recollet (Director of Sustainable Development, Wahnapitae First Nation) talking about aboriginal participation in exploration

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Rita Dubman (Simon Fraser) makes an unusual discovery....

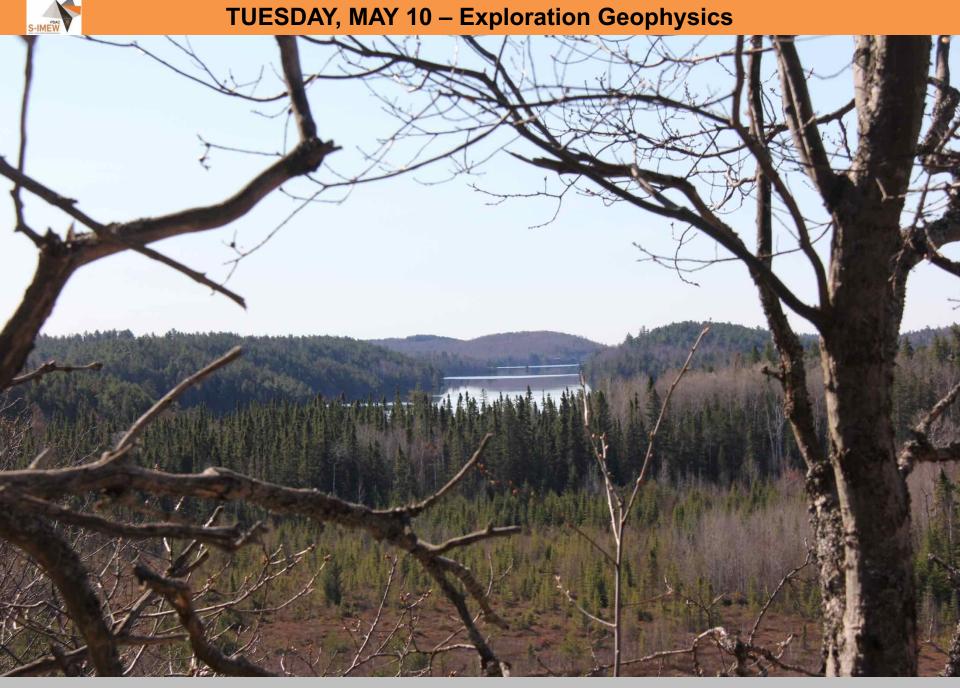




Sean Dickie (Vale) setting up for an EM survey demonstration



Tim Dohey (Newmont) posing for a photograph with S-IMEW students setting up a line for an IP survey demonstration in the background



A moment of Zen

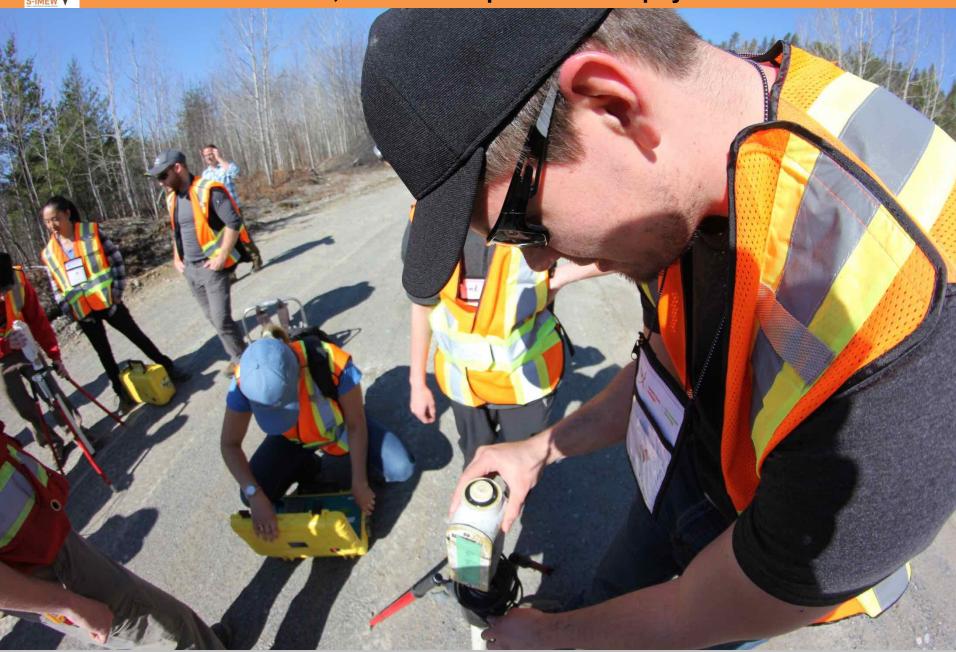




Pam Coles (Abitibi Geophysics) talking the S-IMEW students through an IP survey



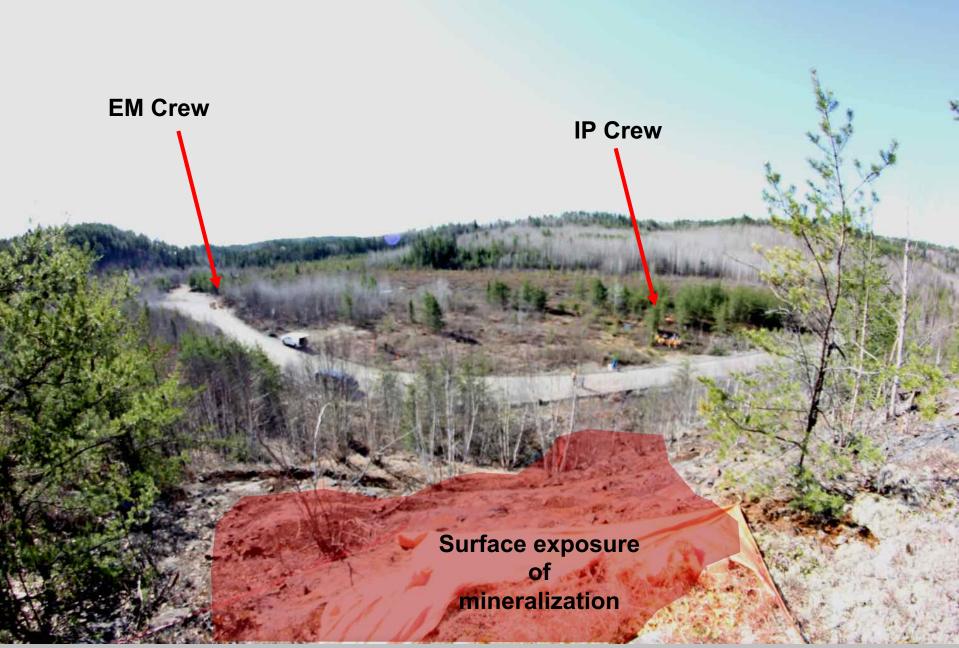
TUESDAY, MAY 10 – Exploration Geophysics



Eric Garcelon (UNB) setting up for a measurement on the EM grid



TUESDAY, MAY 10 – Exploration Geophysics



Two geophysics crews surveying for the same deposit





Safety first!





A picture of a picture inside the Glencore smelter

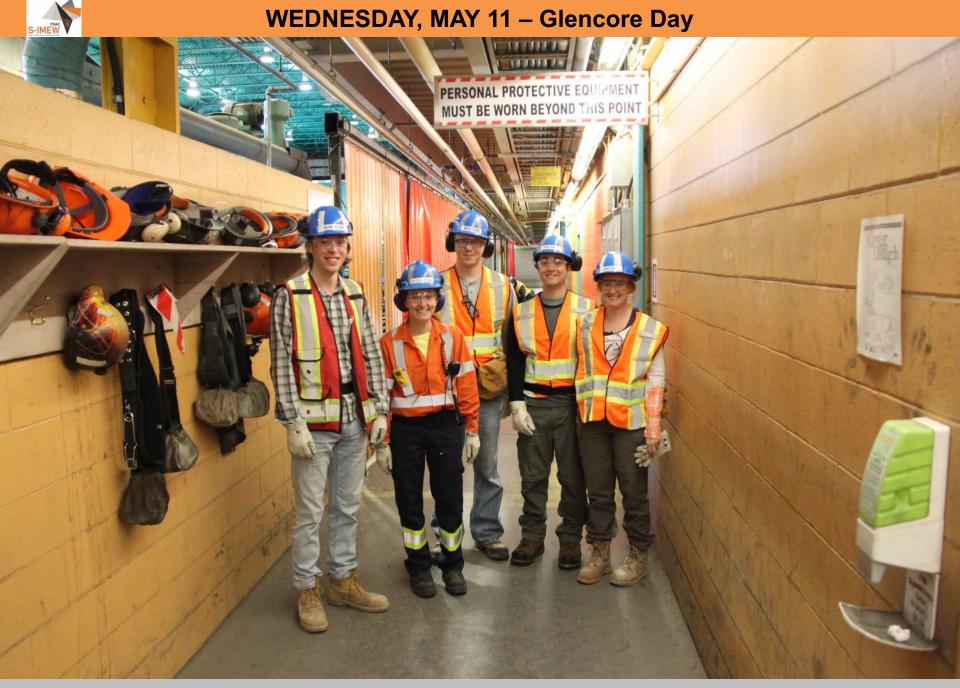




The inside of the furnace

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Start of the Glencore smelter tour





Group picture outside the Glencore smelter









Linette takes care of the stack





Lori Paslawski (St. FX U) inspecting core from Glencore's Norman West deposit





Helana Diao (U Waterloo) reaching for a piece of massive sulfide core



Quang Ngo (Fleming College) in the Foraco diamond drill rig

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YANAGOLD





Group photo at the Foraco drill site





Frasier Chief Mine Geologist, Dave Richardson, giving his evening talk at Cambrian College





Leaving the Living with the Lakes facility to learn how to collect lake sediment samples





Monique Ruhl (Dalhousie U) collecting lake sediment samples



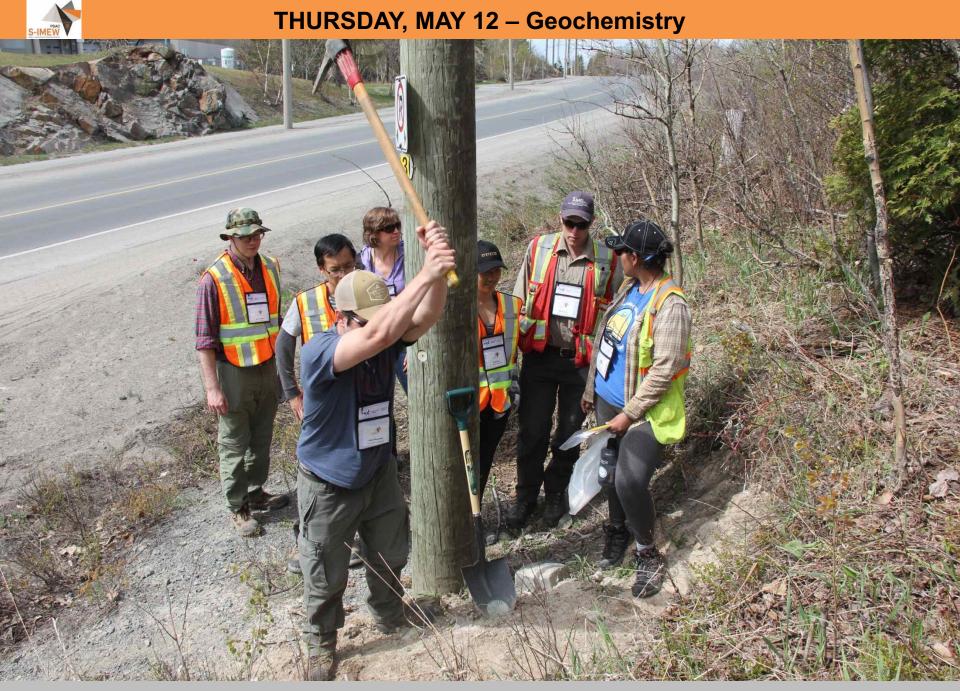


Helena Diao (U Waterloo) collecting a lake sediment sample





Nigel Bocking (Queen's U) and James Macdonald (U Manitoba) going for a rip!



James Macdonald (U Manitoba) digging for till



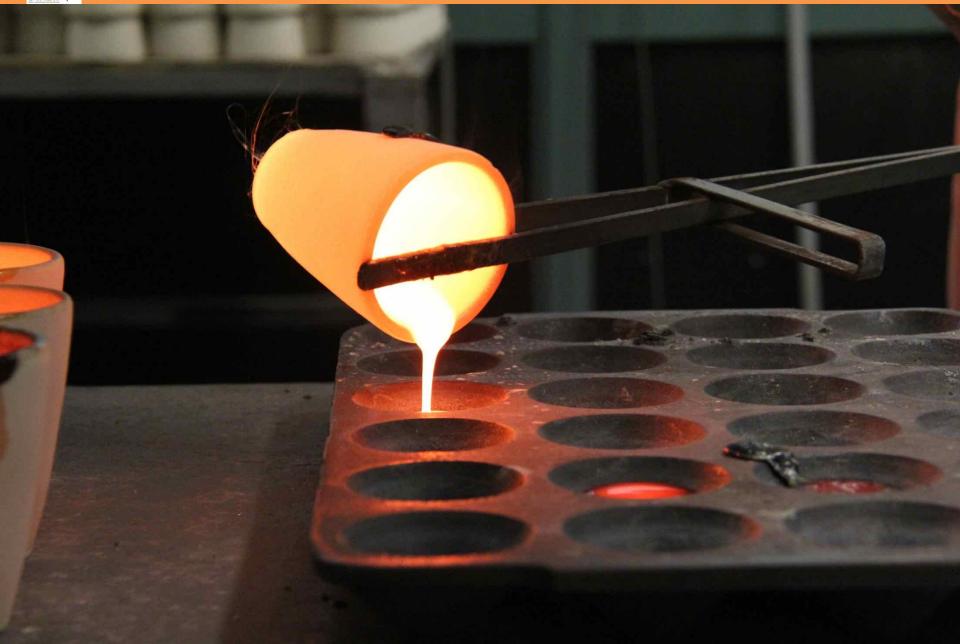


Helena Diao (U Waterloo) determining ice flow directions with Sarah (OGS) and Noelle (Vale) (left to right)

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Teck





A fire assay pour at the Ontario Geoscience Laboratories





Beth McClenaghan (GSC) and S-IMEW students looking at indicator minerals





S-IMEW alumni Seamus Magnus (OGS) is thanked by Cassandra Powell (U Ottawa) on behalf of the students after his evening talk about his career in geology





Exploration Mapping Day starts with a visit at the Parkin quartz diorite offset dike





A structural measurement being recorded – perhaps with implication for mineralization?

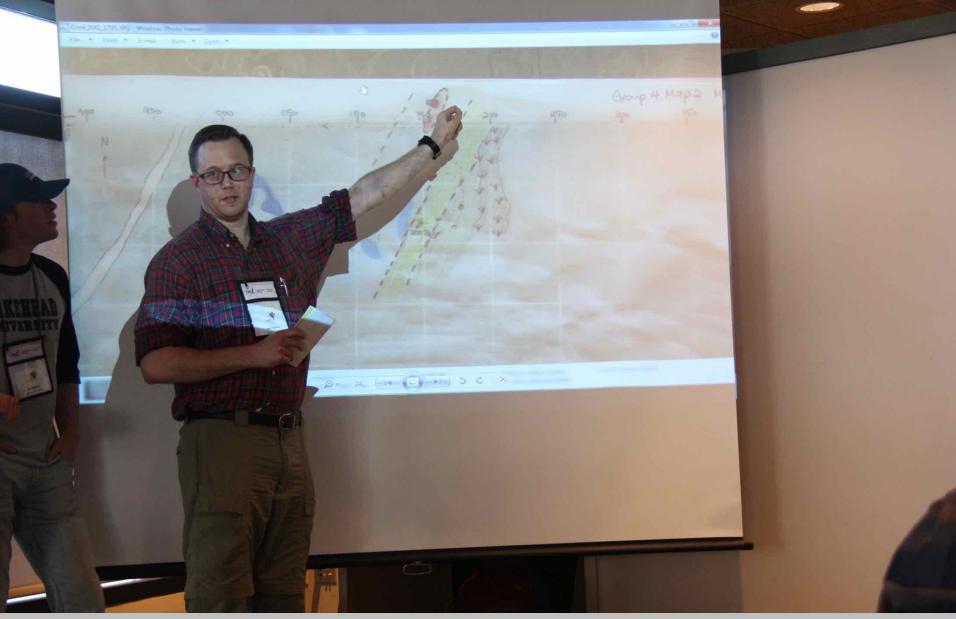




Moss peeling is an important part of the job!

Ryan Bachynski (Regina) measuring the orientation of a vein





Mark Klapheke (Brandon U) walksthe spectators through his groups observations and interpretations from the mapping exercise





S-IMEW alumni David Milstead (Franco-Nevada) shares his experiences in the mining industry post graduation.



SATURDAY, MAY 14 – Geological Modelling and Field Trip



Julie Selway explains the importance of QA/QC in exploration

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SATURDAY, MAY 14 - Geological Modelling and Field Trip



Elisabeth Ronacher, Ronacher Mackenzie Geoscience, talks about Resource and 3D Modelling





Taylor Chew (Acadia U) posing on an outcrop of banded iron formation



SATURDAY, MAY 14 – Geological Modelling and Field Trip



Bonjour Québec! Next stop Rouyn-Noranda!



SATURDAY, MAY 14 – Geological Modelling and Field Trip



The rain is pouring as the S-IMEW group makes a quick stop in Cobalt



SATURDAY, MAY 14 – Geological Modelling and Field Trip



Gerald Riverin (Yorbeau Resources) introducing the geology of the Noranda caldera at *Le Guverneur*





A cold but beautiful morning in Noranda





Stephanie Kupers (Brock U) sitting on an outcrop of pillowed dalmatianite characterized by cordierite porphyroblasts that grew during contact metamorphism of sericitized basalt





Students walking along a steam generated fault breccia that formed as cold seawater came into contact with hot solidified rock – an example of a syn-volcanic fluid pathway, critical in VMS exploration



SUNDAY, MAY 15 – Tour of the Noranda Camp



James Macdonald (U Manitoba) on a strongly silicified basalt





Rita Dubman (Simon Fraser U), Thomas Gore (Laurentian U) and Cassandra Powell (U Ottawa) enjoying the rock couch in Noranda

In-Kind Contributors













































Jeremy Beales (UVic) dictates the reasons for drilling on the Bedford – McDougall – South Rusty Hill lineament as presented by a former geologist to justify spending money on drilling



Stacey Parmenter (Memorial U) sitting just below an exhalative horizon that is easily missed in the field if you are not observant





Rows on columns





Lucia Krivankova-smal (McMaster U) on a spectacular outcrop of subaqueous phreatomagmatic explosion breccias at Buttercup Hill (aka The Fragment Factory)

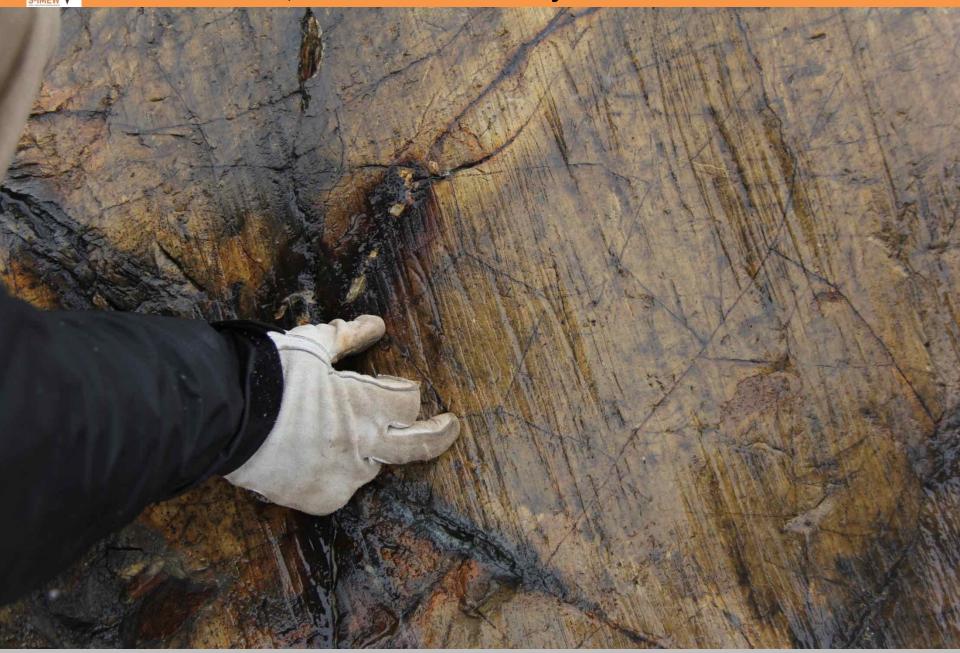




Taylor Chew (Acadia U) thanks Christian Tessier (Canadian Malartic Mine) after his evening talk



MONDAY, MAY 16 - Noranda - Pyke's Hill - Timmins



Columnar joints in a felsic flow



MONDAY, MAY 16 - Noranda - Pyke's Hill - Timmins



Mapping volcanic stratigraphy (CHANGE CHANGE CHANGE) with Meg Stewart (Laurentian U)



MONDAY, **MAY** 16 – Noranda – Pyke's Hill - Timmins



Complete ultramafic flow sequence at Pyke's Hill

In-Kind Contributors



































MONDAY, **MAY** 16 – Noranda – Pyke's Hill - Timmins

David Gamble (Gamble Geoservices) marking out potential lava tubes at Pike's Hill



MONDAY, MAY 16 - Noranda - Pyke's Hill - Timmins



Grant Hagedorn (U Guelph) and Corwin Trottier (Saint Mary's U) with evening speakers S-







Quang Ngo (Fleming College), Helena Diao (U Waterloo) and Dylan Langille (Western U) hanging out with famous Timmins' prospectors Jack Wilson, Sandy McIntyre and Benny





A couple of mining carts among other artifacts from Timmins' mining history





A miniature of a Timmins gold depost





Lori Paslawski (St. FX) and Jeremy Beales (UVic) might have something to fall back on if geology doesn't work out

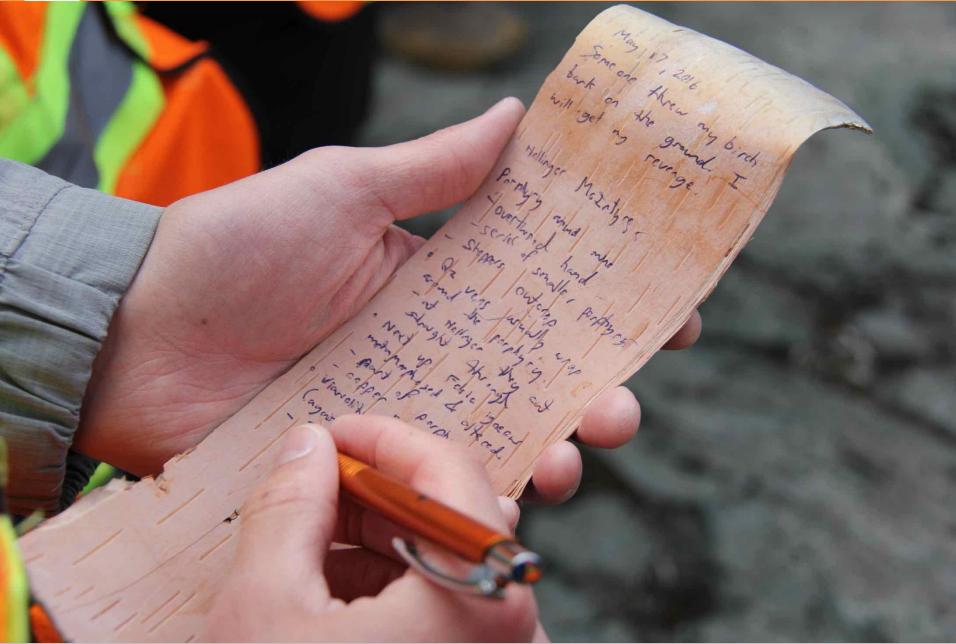


TUESDAY, MAY 17 – Timmins Geology



Peter Harvey explaining the structural controls on the gold mineralization in the Timmins





What do you do when you run out of note book? You make a scroll of birch bark of course!





Outcrop exposure of an angular unconformity between Timiskaming conglomerates and Porcupine Group turbidites





Bad news: we got a flat. Good news: we brought a team of Formula 1 mechanics

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.....and stuck in the sand





Quang Ngo (Fleming College) thanks Peter Calloway after his evening talk on the Kidd Creek



WEDNESDAY, MAY 18 - Mine Tours - Timmins West & Young Davidson



The Young Davidson crew is ready to go underground





Stephanie Kupers (Brock U), Sam Metteer (Lakehead U) and Ryan Bachynski (U Regina) enjoying a blue sky, a blue building and blue coveralls at the Timmins West mine



Light at the end of the tunnel at Timmins West...you might want to get out of the way though





Olivia Greaves and Mynyr Hoxha (Alamos Gold) explans the underground workings



WEDNESDAY, MAY 18 – Mine Tours – Timmins West & Young Davidson



Syenite-hosted auriferous quartz veins in the Timmins West mine





Checking a new cut from the scoop

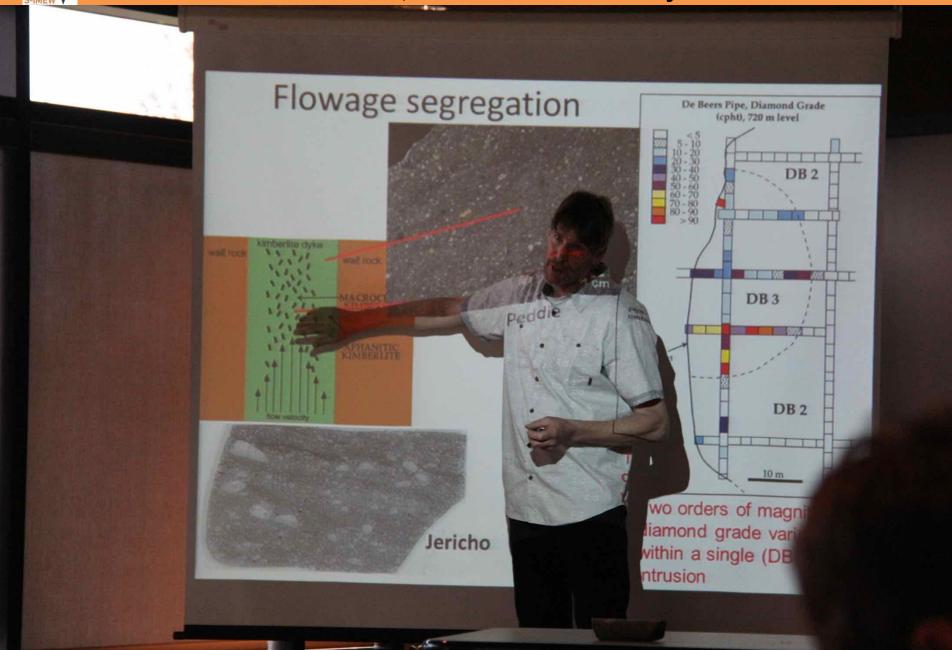
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The brave ones jumped into Lake Temagami after an early dinner





Bruce Kjarsgaard (GSC) talking about kimberlites





Nicole Januszczak (De Beers) giving an overview of diamond exploration





Casey Hetman (SRK Consulting) presents his talk on evaluation of diamond deposits



Krishana Michaud (fearless S-IMEW Leader) and Felix Lee (S-IMEW Co-Chair) enjoying lunch





Stephanie Kupers (Brock U) chatting with Casey Hetman (SRK Consulting) in the De Beers





Dylan Langille (Western U) with a row of diamond drill core from the Victor diamond mine

S-IMEW

THURSDAY, MAY 19 – Diamond Day



Kimberlite core from the Victor diamond mine with sub-rounded juvenile material

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Students inspect kimberlite core from the Victor diamond mine



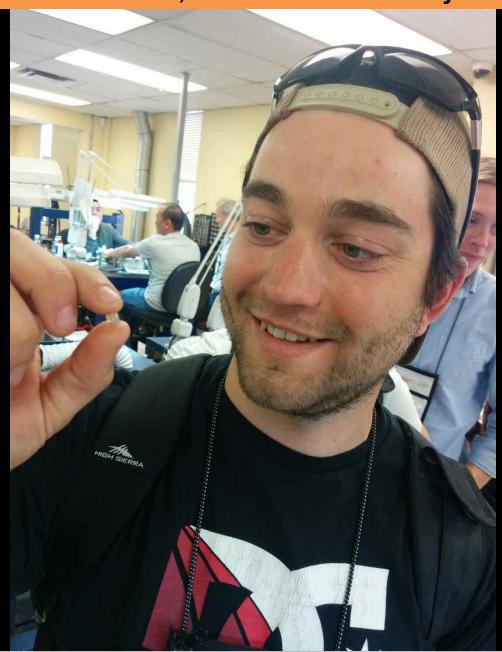






Diamond mounted for polishing









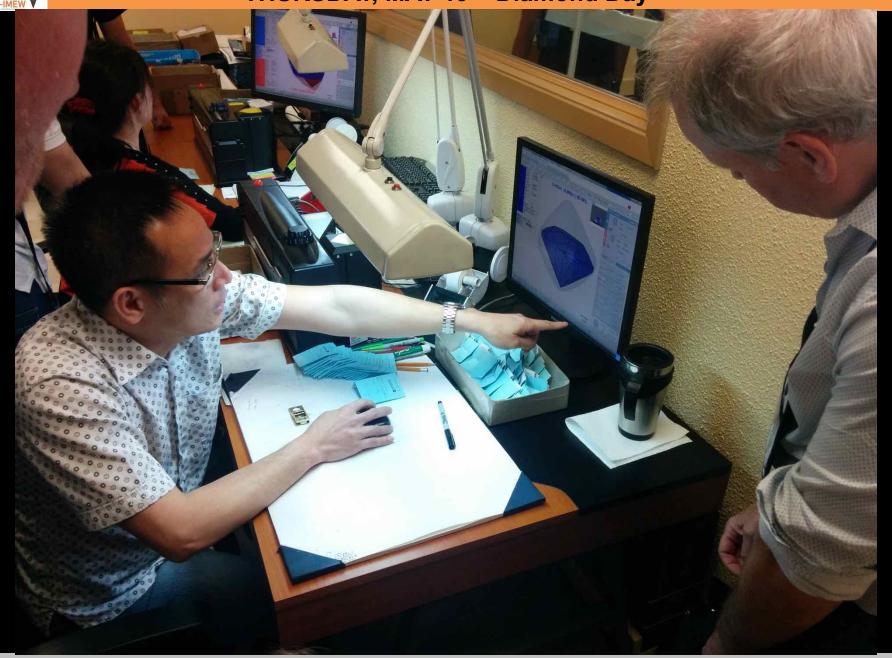
Robert Wu (Carleton U) looking at a 2.4 ct diamond with an incomplete polish





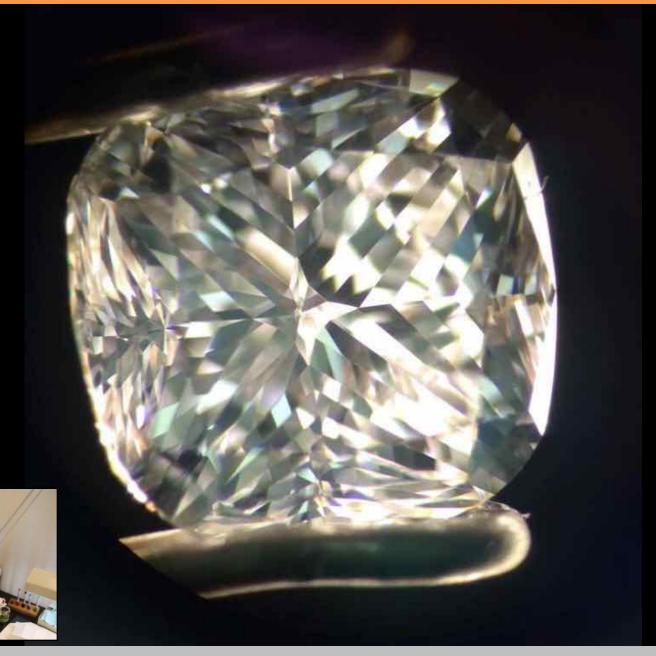
Rita Dubman (Simon Fraser U) with some BLING!





Diamond cut optimization





The ca. 1 ct "Cassandra Powell" diamond named after the photographer





John Armstrong (Lucara Diamond Corp.) tells the captivating story of the Karowe mine in Botswana and their discovery of the 1109.67 ct *Lesedi La Rona ("Our Light")* diamond





Anthony Knutson (U Calgary) and Jeremy "Diamond Eye" Beales (UVic) handling a resin model of a special stone from the Karowe diamond mine in Botswana



FRIDAY, MAY 20 - Underground Mapping & Core Logging



Preparing for an underground mining exercise at the NORCAT training facility



FRIDAY, MAY 20 - Underground Mapping & Core Logging



Ian Trinder presents the ABC's of core logging

FRIDAY, MAY 20 - Underground Mapping & Core Logging

Lori Paslawski (St. FX U) logging an interval of diamond drill core





Anthony Knutson (U Calgary) shares his S-IMEW highlights during student presentations