

A collection of four overlapping geometric shapes: a grey triangle pointing left, a dark blue triangle pointing right, an orange quadrilateral pointing right, and a larger grey triangle pointing left, all arranged in a dynamic, overlapping pattern.

PDAC S-IMEW

Student-Industry Mineral Exploration Workshop

Follow our journey on social media



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MacBook Pro

S-IMEW 2023 Students



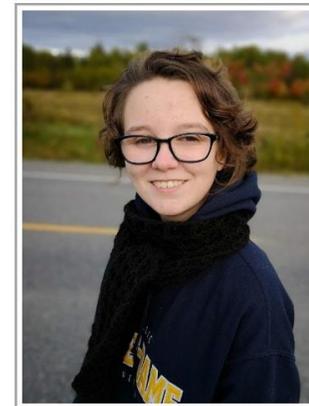
Keaton Markham
Acadia University



Tiernan Davies
Fleming College

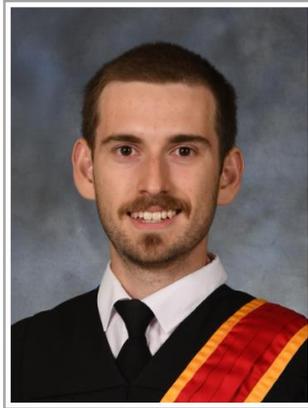


Samuel Ghantous
Lakehead University



Paige Pilote
Laurentian University

S-IMEW 2023 Students



Jérémie Darveau
Laval University



Kiera Hamel
McGill University



Taylor Mugford
Memorial
University



Sara Craig
Queen's University



Aidan Buyers
Saint Mary's
University

S-IMEW 2023 Students



Katya Mokretsova
Simon Fraser
University



Jenna Maccagno
University of
Alberta



Sarah Buck
University of
Calgary



Adam Nykyforak
University of
Manitoba



Laurence Hamel
University of Ottawa

S-IMEW 2023 Students



Emmy Bornais-Doucet
University of
Quebec à Montreal



Kaylee Tymo
University of
Regina



Parker Johnson
University of
Saskatchewan



Kathryn Cheng
University of
Toronto



Billy Yeomans
University of Victoria

S-IMEW 2023 Students



**Jacqueline
Voisin-Roewade**
University of
Waterloo



Lindsay Richards
Vancouver Island
University



Miguel Vachon
Graduate
Geologist
Osisko Mining



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Billy (University of Victoria) and Sara (Queen's University) collecting strike & dip measurements.



Katya (Simon Fraser University) starting up the geology machine.



Field School's in session with the OGS.



Darla Bennett (OGS) discussing the importance of consultation in exploration.



Students gathered around shattercones at Laurentian University Campus.



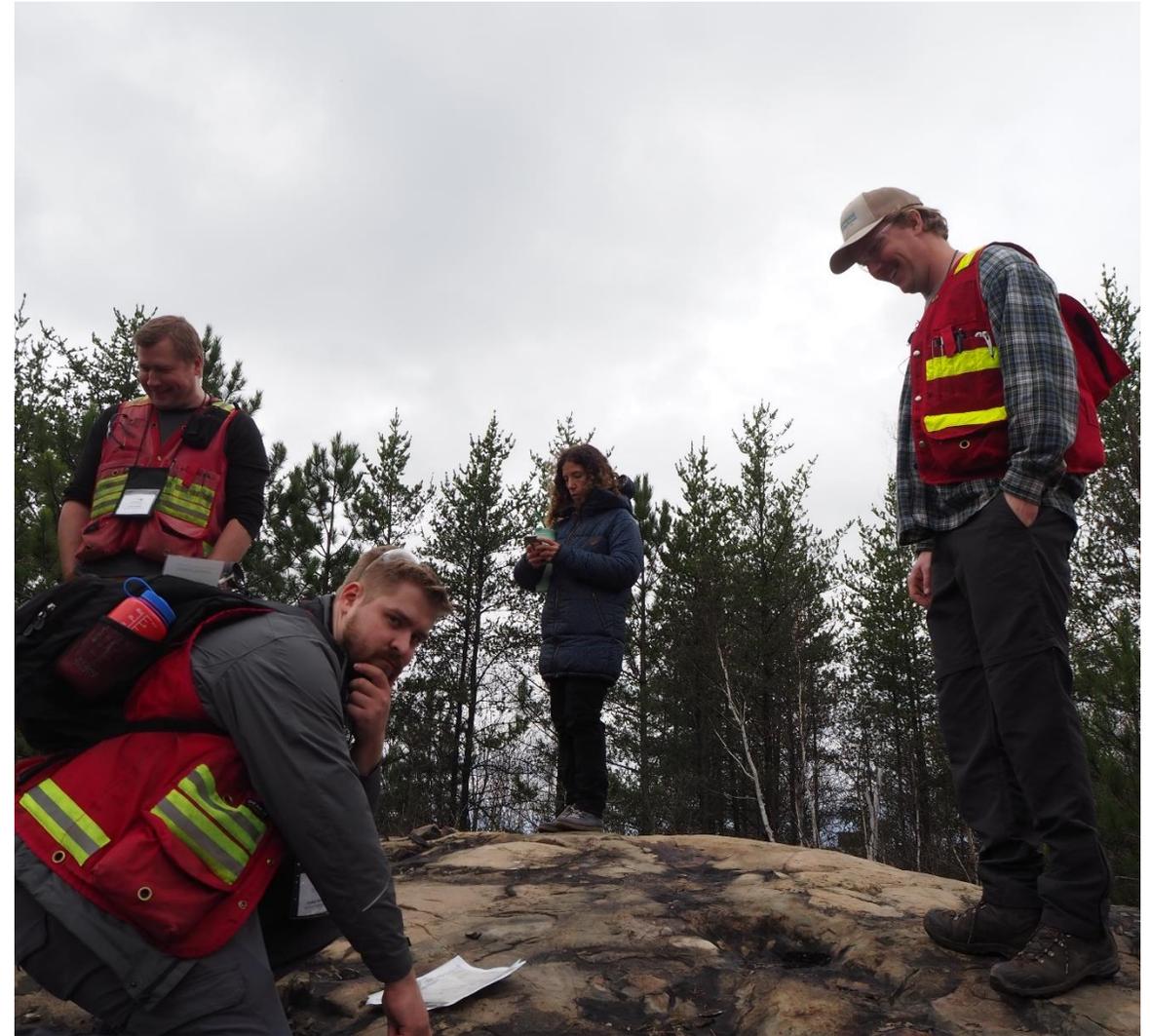
Mappers extraordinaire Sam (Lakehead University), Parker (University of Saskatchewan), Adam (University of Manitoba), and Kaylee (University of Regina)



S-IMEW 2023 students & the Ontario Geological Survey (OGS) mapping crew



Mapping at Laurentian Campus with the OGS



Lindsay (Vancouver Island University) going in for a closer look



Evan Hastie (OGS) discussing regional mapping methods near Laurentian University



Looks like they found a unique outcrop!

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Thank you OGS & BHP for an amazing first day in the field



Prospector Frank Racicot and Jacqueline (University of Waterloo)



Tiernan (Fleming College) thanks S-IMEW alumni Grant Hagedorn (OGS), for a great alumni talk!



Keaton (Acadia University) ready for a day of touring the Sudbury Basin



Students waving at the Vale ore train



Shirley Peloquin (OGS) teaching the students about a local turbidite sequence



Jérémie Darveau (Laval University) checking out a rock contact!



Munisha Basiram (PDAC) exploring the Sudbury basin.



Sam (Lakehead University) taking notes atop an outcrop.



Kaylee (University of Regina) getting a closer look at the outcrop.



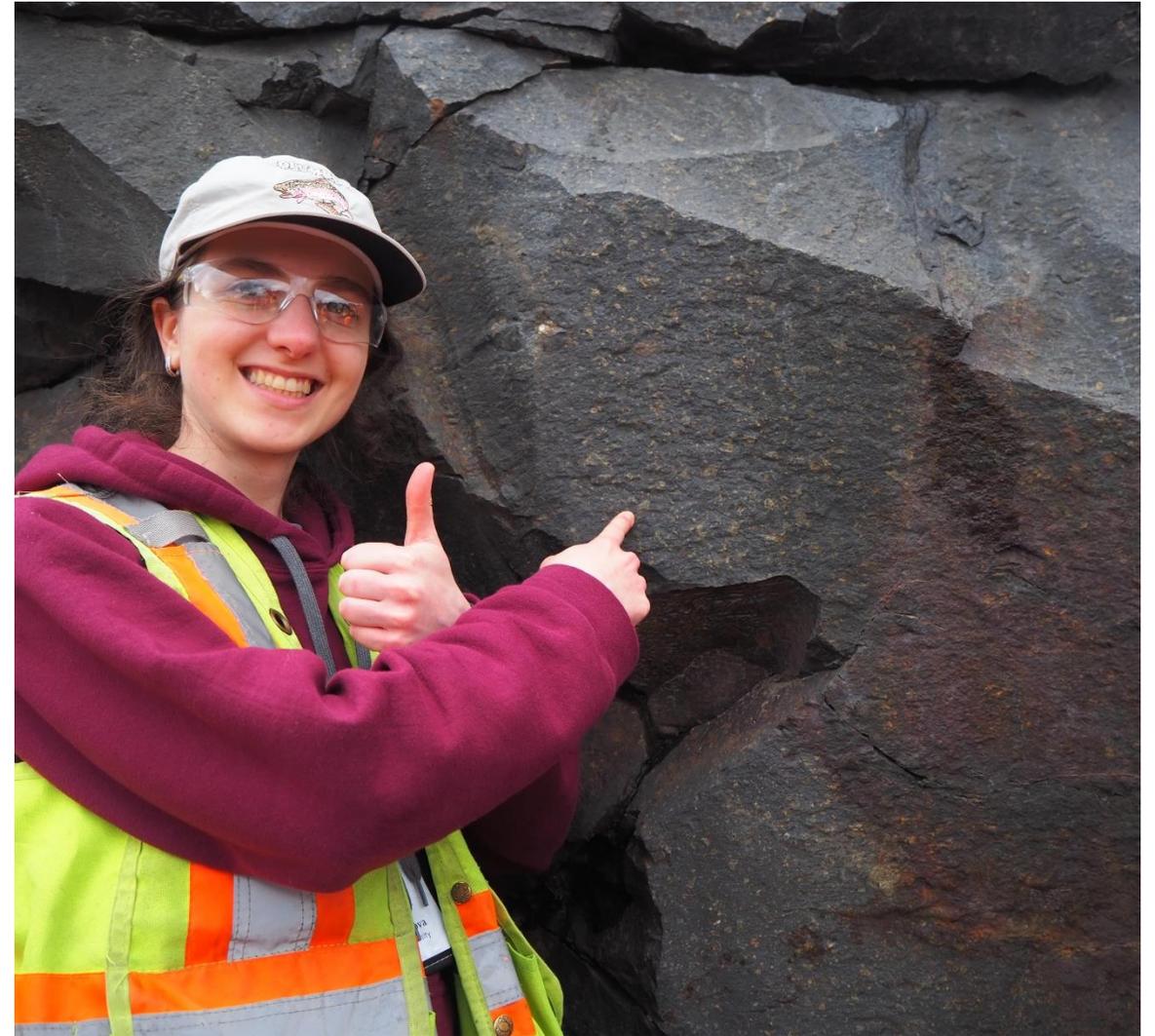
Lindsay (Vancouver Island University) making his way to the next outcrop.

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FORACO



The students learning about the Sudbury Igneous Complex with Brad Clarke, Grant Mourre (SPC Nickel Corp.) and Shirley Peloquin (OGS).



Katya (Simon Fraser University) with Sudbury volcanics.



Laurence (University of Ottawa) enjoying her tour of the Sudbury basin.



Adam (University of Manitoba) finding the perfect sample to take home.



After lunch at Onaping Falls!



Tiernan (Fleming College) checking out a shattercone.



Parker (University of Saskatchewan) making a shattercone.



Peggy Bell (Resource Becoming) and Sara Craig (Queen's University).



Valerie Wilson (SLR Consulting) with a networking presentation prior to the Welcome Reception



The students at Dynamic Earth for the S-IMEW 2023 Welcome Reception



S-IMEW 2023 Welcome Reception at Dynamic Earth

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Jenna (University of Alberta) and Kiera (McGill University) enjoying the Welcome Reception



Jacqueline (University of Waterloo) and Laurence (University of Ottawa) with Barrick Sponsor representative, David Holder



Emmy (University of Quebec à Montreal) & Kathryn (University of Toronto) enjoying the event.



Katya (Simon Fraser University) Sara (Queen's University) & Taylor (Memorial University) checking out the dinosaur exhibit.



Jagmeet Singh (NDP Party Leader) popped into the S-IMEW 2023 Welcome Reception



Felix Lee (S-IMEW Co-chair) delivering opening remarks at the Welcome Reception



Thank you Glenn Nolan (Ring of Fire Metals) for the inspirational talk!



Arriving at the Parkin Property for Exploration Mapping Day with Archer Exploration!



S-IMEW learning about mineralization at the Parkin property with David Smith (Archer Exp)



Lindsay (Vancouver Island University) collecting a sample at the Parkin property



S-IMEW 2023 smiling with sulphides ☺

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Kaylee (University of Regina) & Jacqueline (University of Waterloo) searching for outcrops



Ian Trinder (Willeson Metals Corp) leading the team to the outcrops



Sam (Lakehead University) taking notes at an outcrop.



Natalie Maclean (Wallbridge Mining) discusses GPS coordinates with the students.



Jacqueline (University of Waterloo) finding outcrops in the forest.



Kiera (McGill University) & Taylor (Memorial University) enjoying exploration mapping techniques



Jérémie (Laval University) pointing to the next outcrop.



Natalie Maclean (Wallbridge Mining) and her team talking about rock types.



Adam (University of Manitoba) carefully analysing a sample in the field.



Katya (Simon Fraser University) taking notes as Kathryn (University of Toronto) uses her compass with Phil Trudel (Glencore).



Students presenting their map interpretations at the Cambrian College eDome.



Lisa McDonald (PDAC Executive Director) opening up the day with a presentations about PDAC and its importance to the mineral industry.



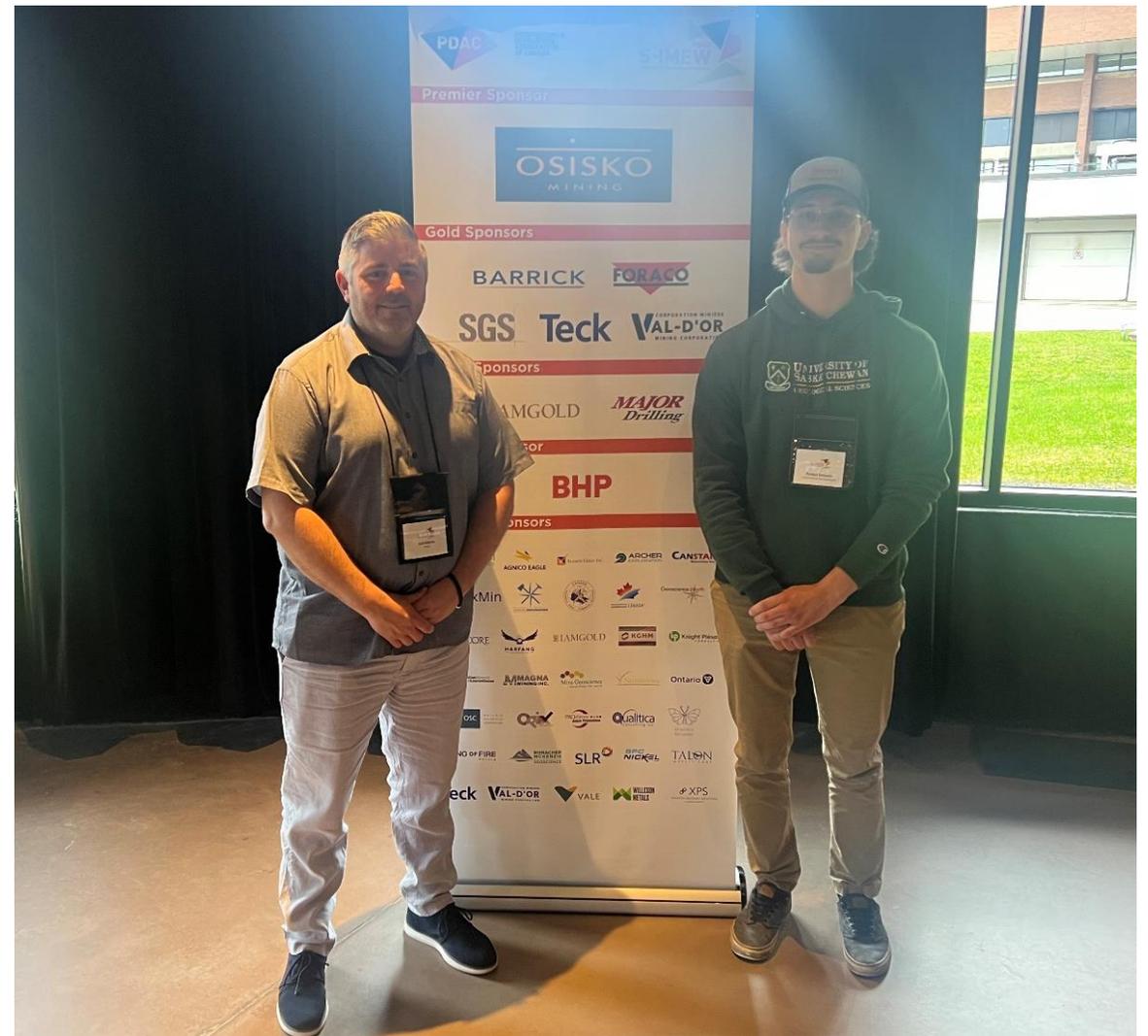
Ken Leigh (ExMin Consulting) explains how mineral projects move from the exploration stage to the production stage.

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BARRICK



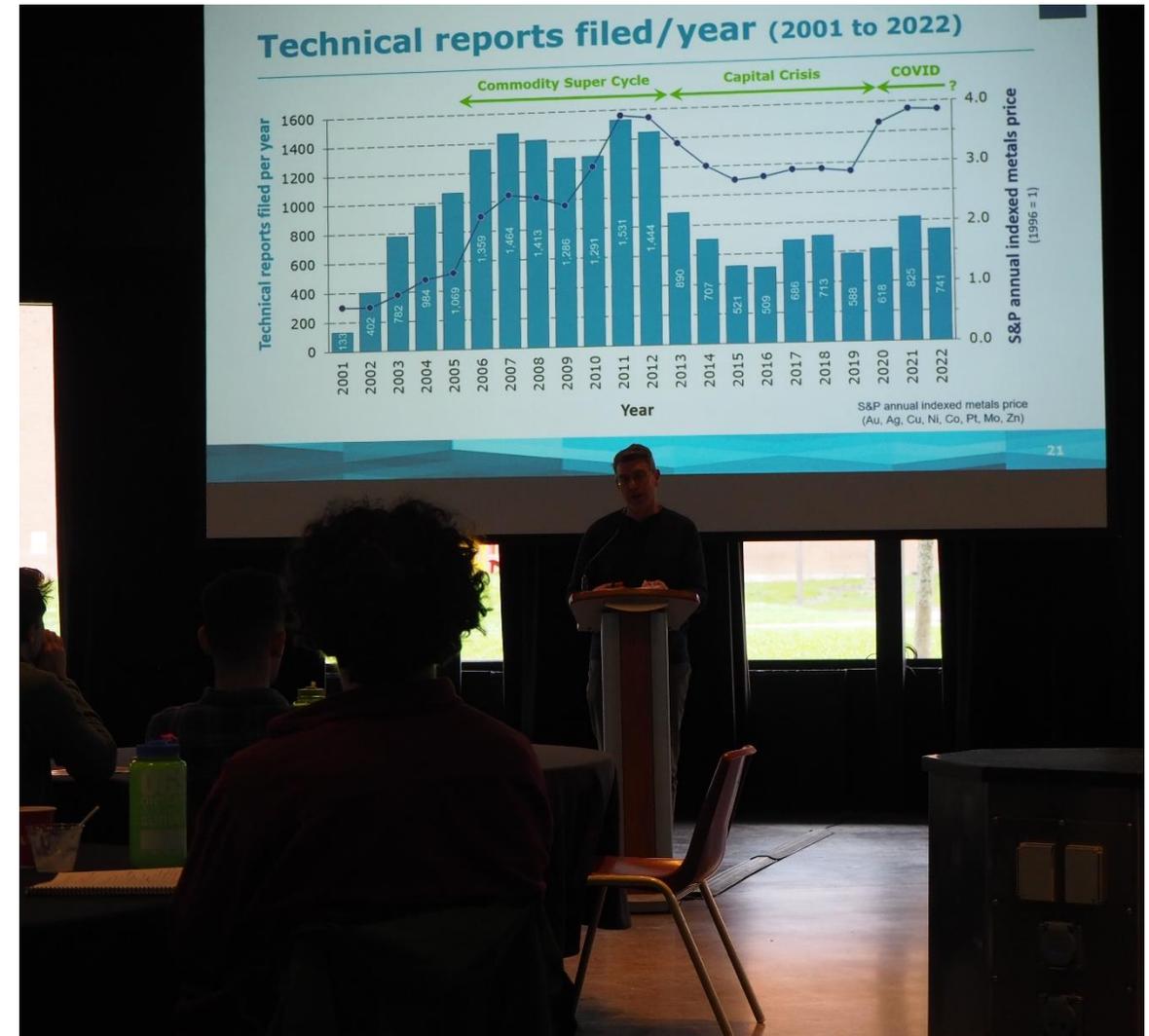
Jeff Killeen (PDAC) discussing capital markets and critical minerals.



Parker Johnson (University of Saskatchewan) & Jeff Killeen (PDAC).



Andrea Waldie (Geoscientists Canada) discusses Professional Geoscience membership and certification.



Craig Waldie (OSC) on the importance of NI 43-101 technical reporting.



Students and speakers having a Q&A session.



S-IMEW 2023 students getting ready for a morning of geophysics demonstrations with Vale and Abitibi Geophysics!



Billy (University of Victoria), Taylor (Memorial University), and Keaton (Acadia University) setting up EM equipment



Krystal Kant (Vale) explaining the EM demonstration



Miguel (Osisko Mining), Kathryn (University of Toronto) & Laurence (University of Ottawa) working together to level the EM tripod.



Katya (Simon Fraser University) hauling the EM tripod

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Tiernan Davies (Fleming College) setting up the EM tripod.



Students discussing examples of EM data processing.



Pam Coles (Abitibi Geophysics) explaining an IP survey set-up



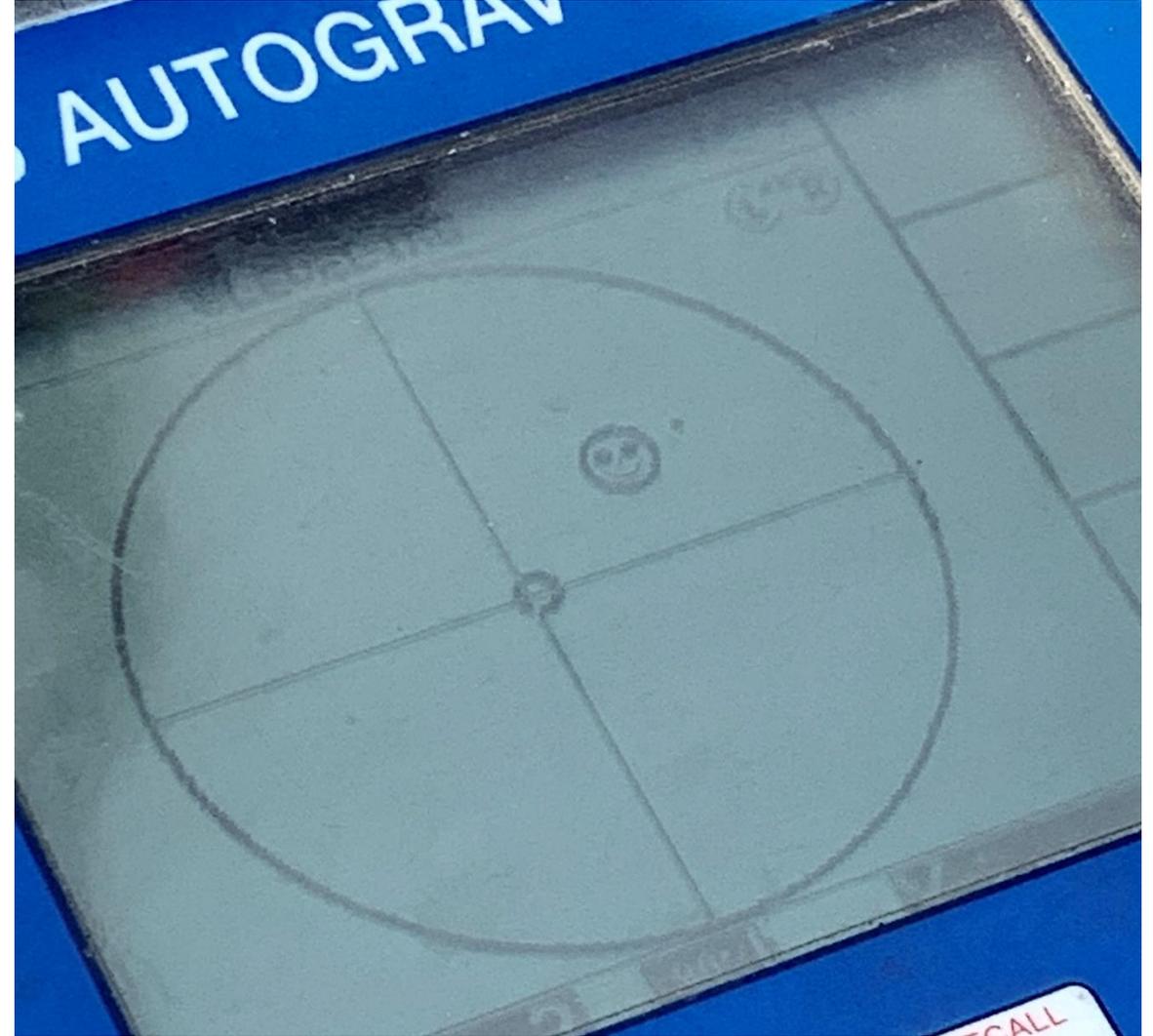
Reading IP data with Pam (Abitibi Geophysics)



Pam Coles (Abitibi Geophysics) shows examples of pseudosections generated with IP survey data.



Billy (University of Victoria) levelling the gravimeter for a gravity survey.



Gravimeter displaying a 😊 when perfectly leveled!



Adam (University of Manitoba) getting ready to handle the magnetometer.



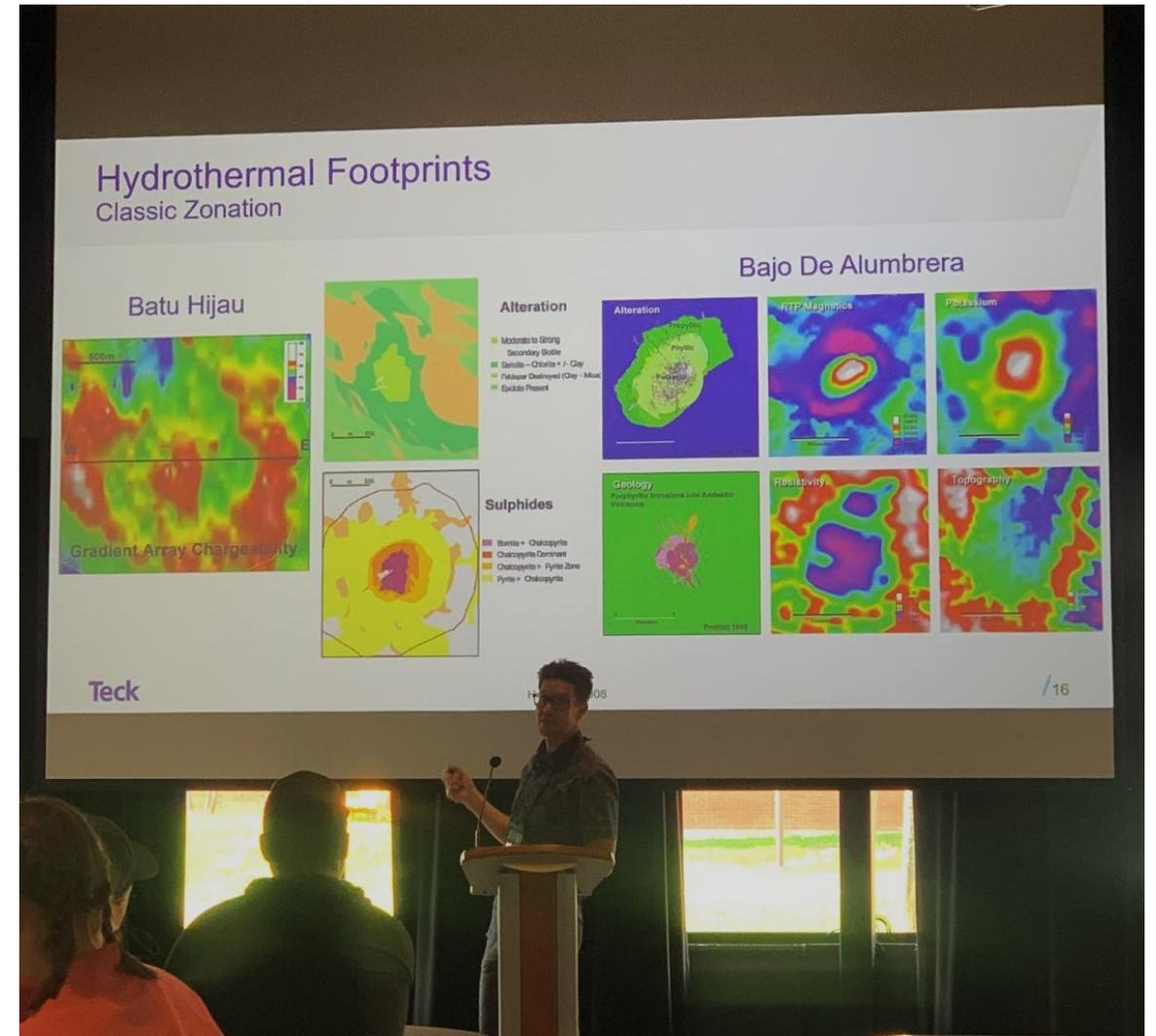
Court Bowers (Vale) shows students the levelling apparatus for the magnetometer.



Thank you Vale & Abitibi Geophysics for the field geophysics demos!



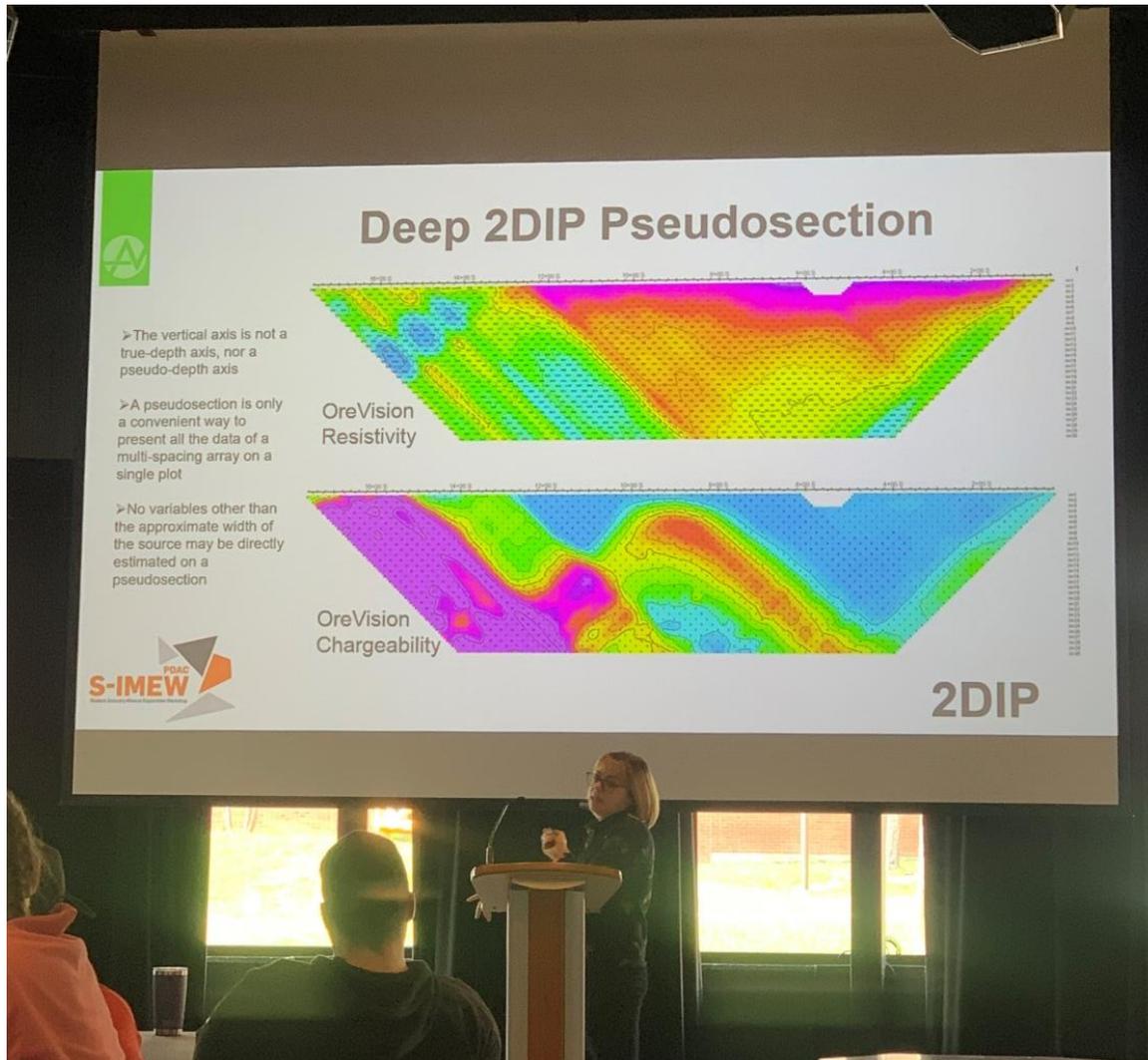
Tiernan Davies (Fleming College) thanks Ben Polzer (Nova Mining Exploration Solutions).



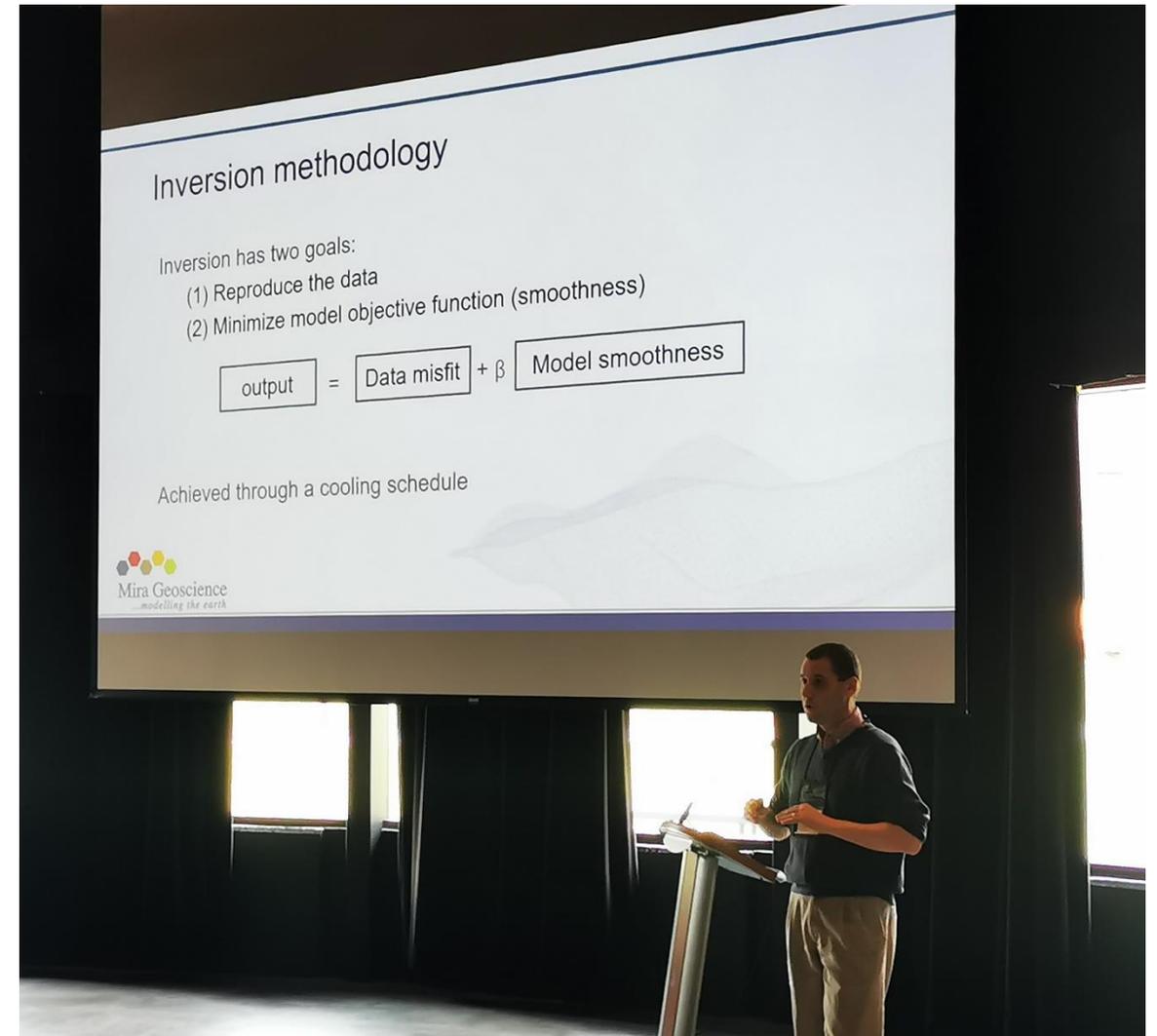
Brendan Howe (Teck) displaying copper porphyry exploration methods using geophysics.

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Pam Coles (Abitibi Geophysics) showing more examples of 2D pseudosections generated with IP survey data.



Kris Davis (Mira Geoscience) explaining applications of Mira Geoscience Analyst for processing geophysics data.



Thank you to our sponsor Teck for dinner at the Respect is Burning restaurant.



Brian Bengert's (Talon Metals) presentation was incredible... and hilarious!



Parker (University of Saskatchewan) excited for his first time underground!



Students in the 8 yard scoop!



Looking at a map to see where we are in the mine!



Sara (Queen's University) 1.5km underground at the Nickel Rim South mine.



Laurence (University of Ottawa) analyzing core at Glencore's XPS Coreshed.



Leaning more about core with Martin (Glencore).



Kathryn (University of Toronto) and Taylor (Memorial University) visiting a Foraco drill at Glencore's Ella Lake project.



Jenna (University of Alberta), Adam (University of Manitoba) & Sarah (University of Calgary) at Ella Lake



En-Route from Sudbury to Côté Gold!



Students outside the IAMGOLD Côté Gold Project core shack after the exploration core logging workshop.



Inspecting a mineralized vein with Macassa Mine Production Geologist Allan Lion (Agnico Eagle).



Underground at Agnico Eagle's Macassa Mine!



Students with a rock breaker at Macassa Mine.



Parker (University of Saskatchewan) listening to Production Geologist Andrew (Agnico Eagle) explaining the ore mineralization at Macassa Mine.

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SGS

The logo for SGS is displayed in a large, bold, dark grey font. It is centered on the page and is framed by two thin orange lines: a horizontal line below the text and a vertical line to the right of the text, forming an L-shape.



Driving into the Macassa Mine portal.



Students smiling outside the Macassa Mine after visiting the exploration core shack.



Gearing up to head into Alamos Gold's Young Davidson Mine.



Looking at a fresh rock face in the Young Davidson mine.



Emmy (University of Quebec à Montreal) looking for gold at the Young Davison mine!



Jenna (University of Alberta) enjoying her journey in the mine!



Group photo in the drift at Young Davison Mine!



Enjoying some sunshine after a morning underground at the Young Davidson mine.



Students examining fuchsite alteration and felsic intrusions along the Cadillac-Larder Lake fault zone near Larder Lake.



Students looking at the Gowganda conglomerate near Kirkland Lake.



Jérémie (Laval University) on the outcrop.

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Paige (Laurentian University) and field trip leader Ruth Debicki posing for a picture in front of the Macassa Mine #4 shaft headframe.



Sara (Queen's University) and James Suma-Momoh (OGS) chatting about local outcrops.



Tiernan (Fleming College) striking a pose at the Discovery Outcrop in Kirkland Lake.



James Suma-Momoh (OGS) helping students identify volcanic features in the outcrop.



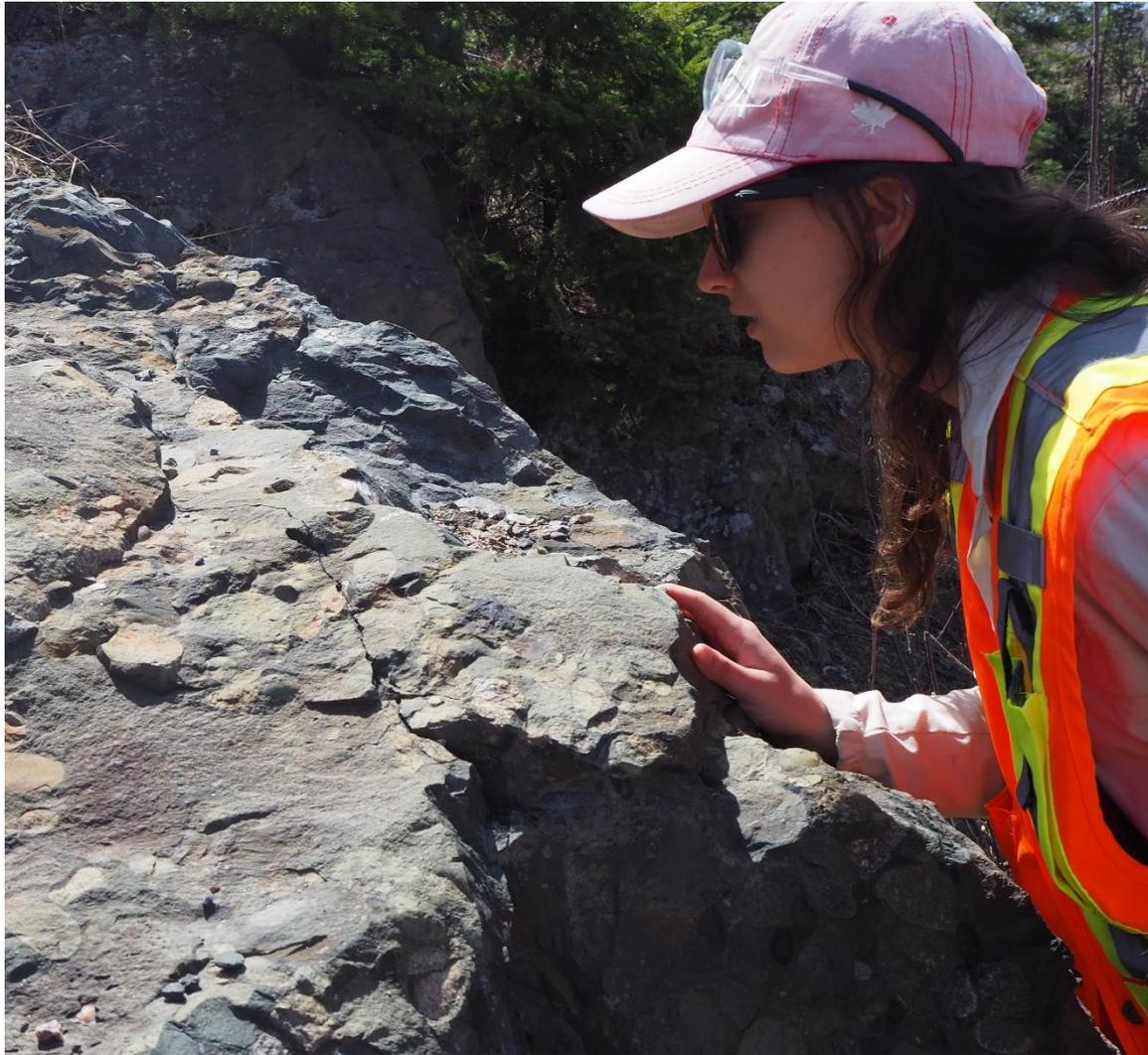
Billy (U of Victoria), Emmy (UQAM), Kathryn (U of Toronto) and Miguel (Osisko Mining) collecting some fuchsite samples!



Taylor (Memorial University), Sara (Queen's University) and Billy (University of Victoria) searching for sulphide minerals.



Ian Trinder (Willeson Metals) and Keaton (Acadia University) looking for more outcrops...



Kiera (McGill University) looking for characteristic jasper clasts at a Timiskaming Conglomerate outcrop.



Looking at felsic intrusions in the Cadillac-Larder Lake fault zone outcrop near Larder Lake.



Sam (Lakehead University) with his sample of Cobalt Bloom (erythrite).



Parker (University of Saskatchewan) ready to sample some erythrite.



Aidan (Saint Mary's University) enjoying a brisk Cobalt morning discovering new geology!



Kaylee (University of Regina) with her sample of Cobalt Bloom (erythrite).

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Great outcrop exposure in Cobalt, Ontario!



Kathryn (University of Toronto) finding malachite!



Students exploring the terrain, looking for the perfect samples to take home!



The group at the historic low grade Cobalt Mill lookout.



Thanks Cobalt for a fun adventure!



Laurence (University of Ottawa) at the BIF (Banded Iron Formation) outcrop in Temagami.



Mitch (Co-ordinator) with a BIF sample in hand!



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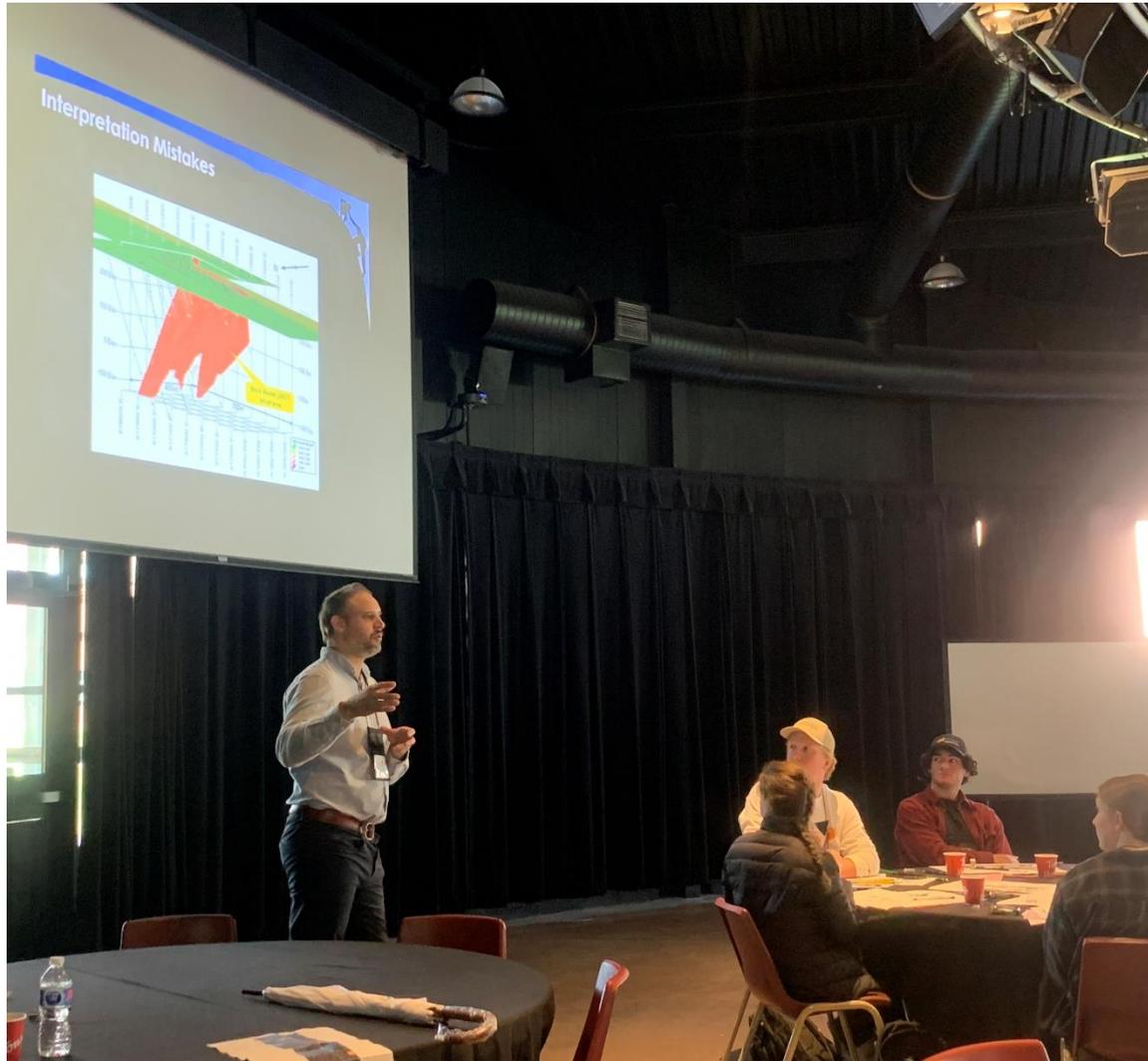




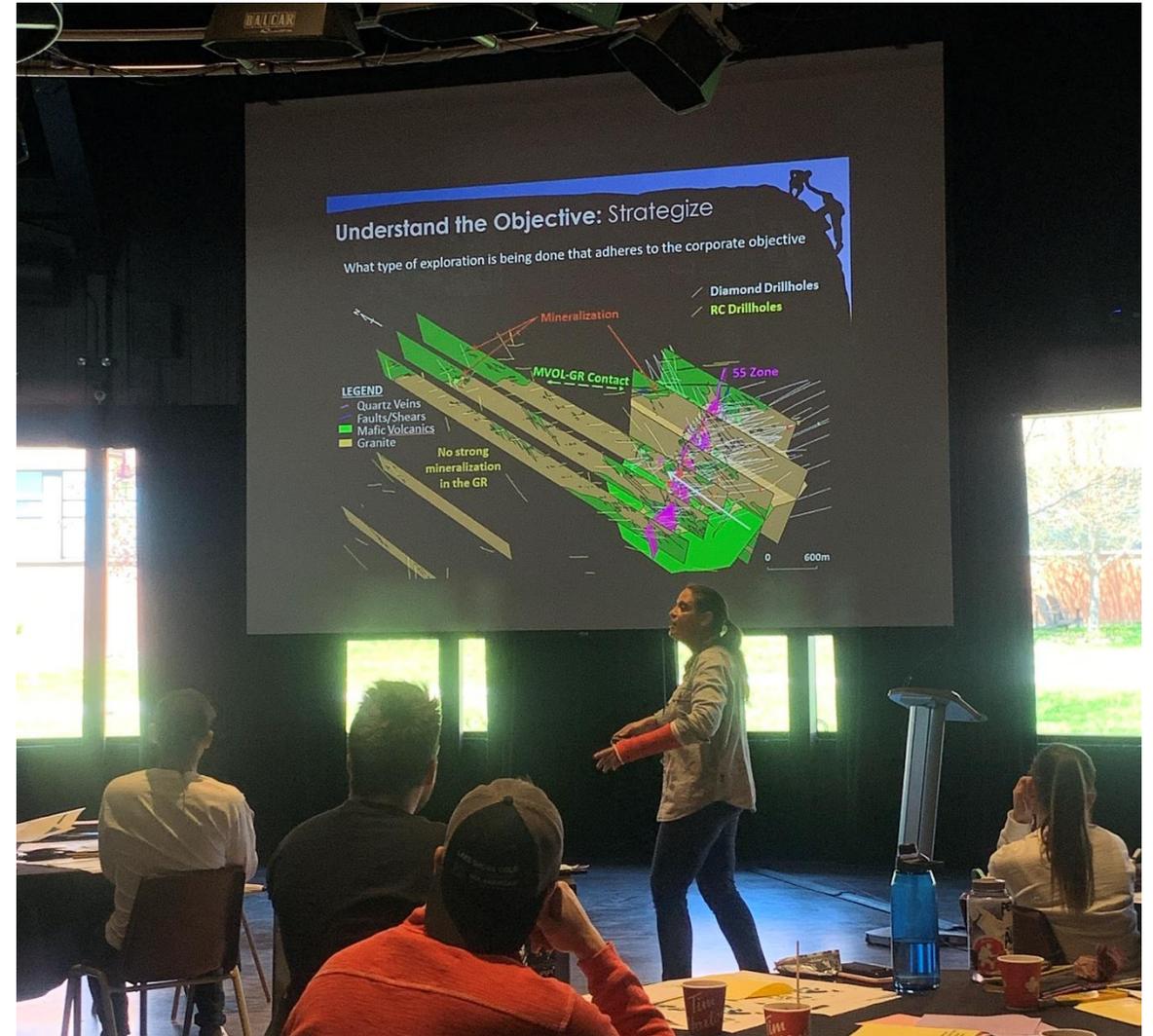
Shastri Ramnath (Exiro Minerals) helping Billy (University of Victoria) combine different data sets to produce a geologic map interpretation.



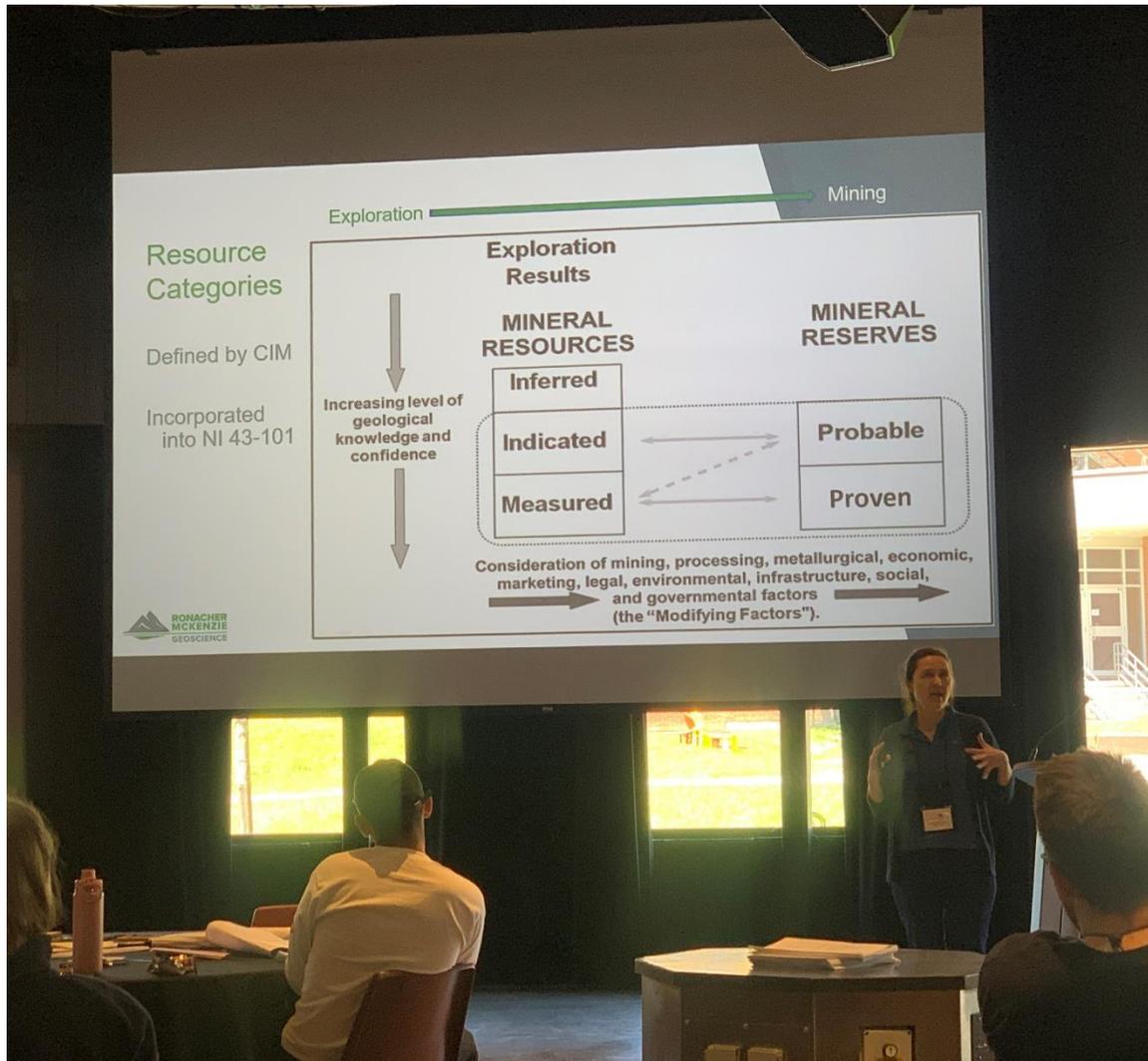
Jenna (University of Alberta) using topography, outcrop data, and geophysical surveys to create a geologic map.



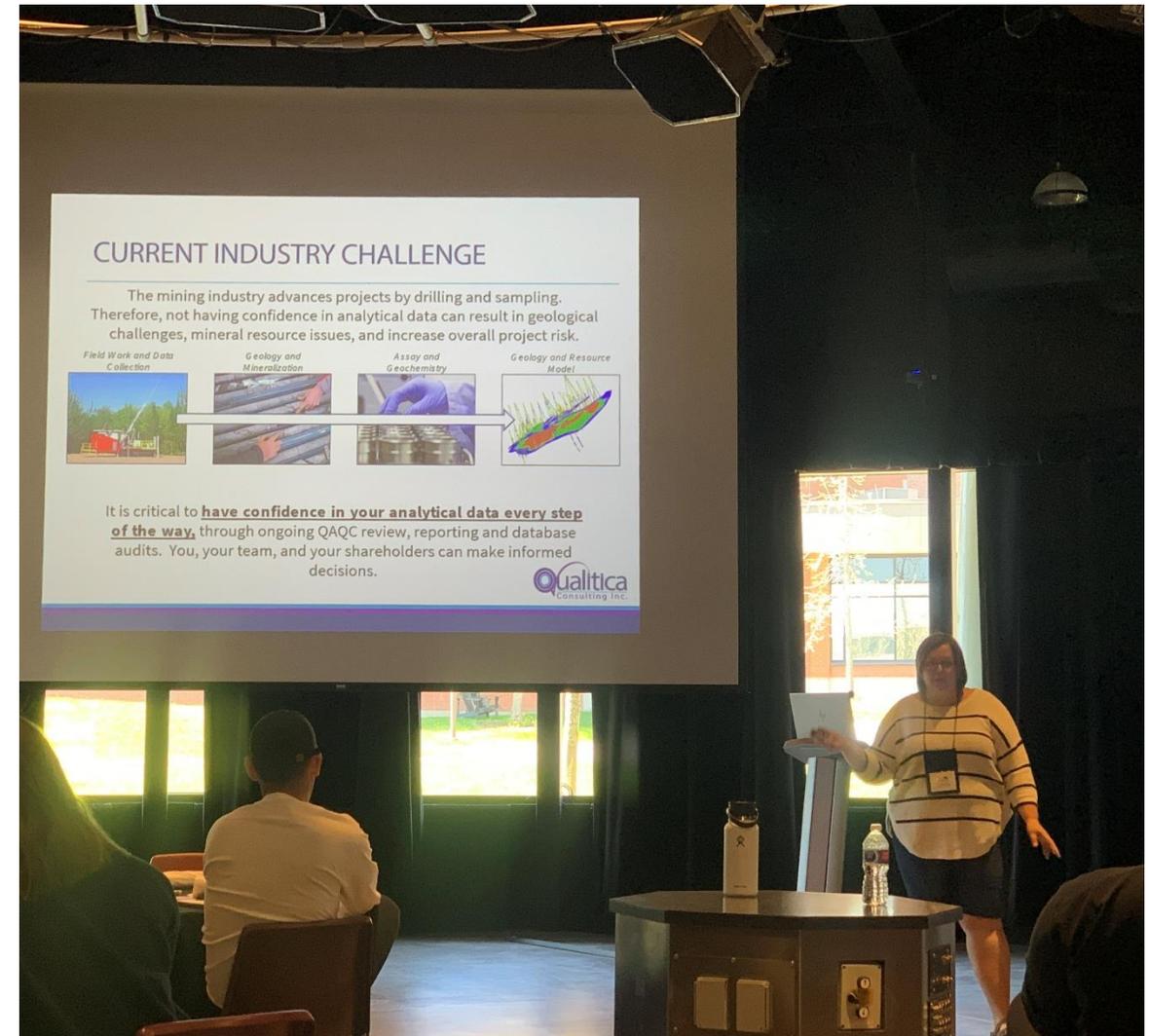
Sydney Ramnath (Orix Geoscience) explaining examples of geologic interpretation errors.



Shastri Ramnath (Exiro Minerals) discussing important factors to consider when generating drill targets.



Elisabeth Ronacher (Ronacher McKenzie Geoscience) teaching students about resource modeling.



Chantal Jolette (Qualitica Consulting Inc.) discussing the importance of QA/QC.



Paige Pilote (Laurentian University) thanks Ian Campbell after an engaging talk regarding Mineral Agreements, options & JV's.



Krishana (PDAC) with a surprise delivery of ice-cream on a warm Sunday in Sudbury!



Grant Hagedorn (OGS) teaching students about till sampling at the Living With Lakes Centre.



Grant Hagedorn (OGS) demonstrating how to differentiate between silt and clay.

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Emmy (UQAM), Kathryn (U of Toronto) and Katya (Simon Fraser U) learn how lake sediments are sampled with Laura (OGS)



Jenna (University of Alberta) and Kiera (McGill University) using microscopes to look for indicator minerals from till samples.



Watching Nathan (Geolabs) collect fire assay samples from the kiln.



The much anticipated pour!



Chris Beckett-Brown (GSC) leading the group through an exploration scenario.



Students determining where to drill based on geochemical data.



Learning how to collect till samples with Grant Hagedorn (OGS).



Sarah Buck (University of Calgary) looking for diamond deposit indicator minerals from till samples.



Thanks Grant Hagedorn (OGS), Beth McClenaghan (GSC) and Chris Beckett-Brown (GSC) for organizing a fun day of geochemistry!

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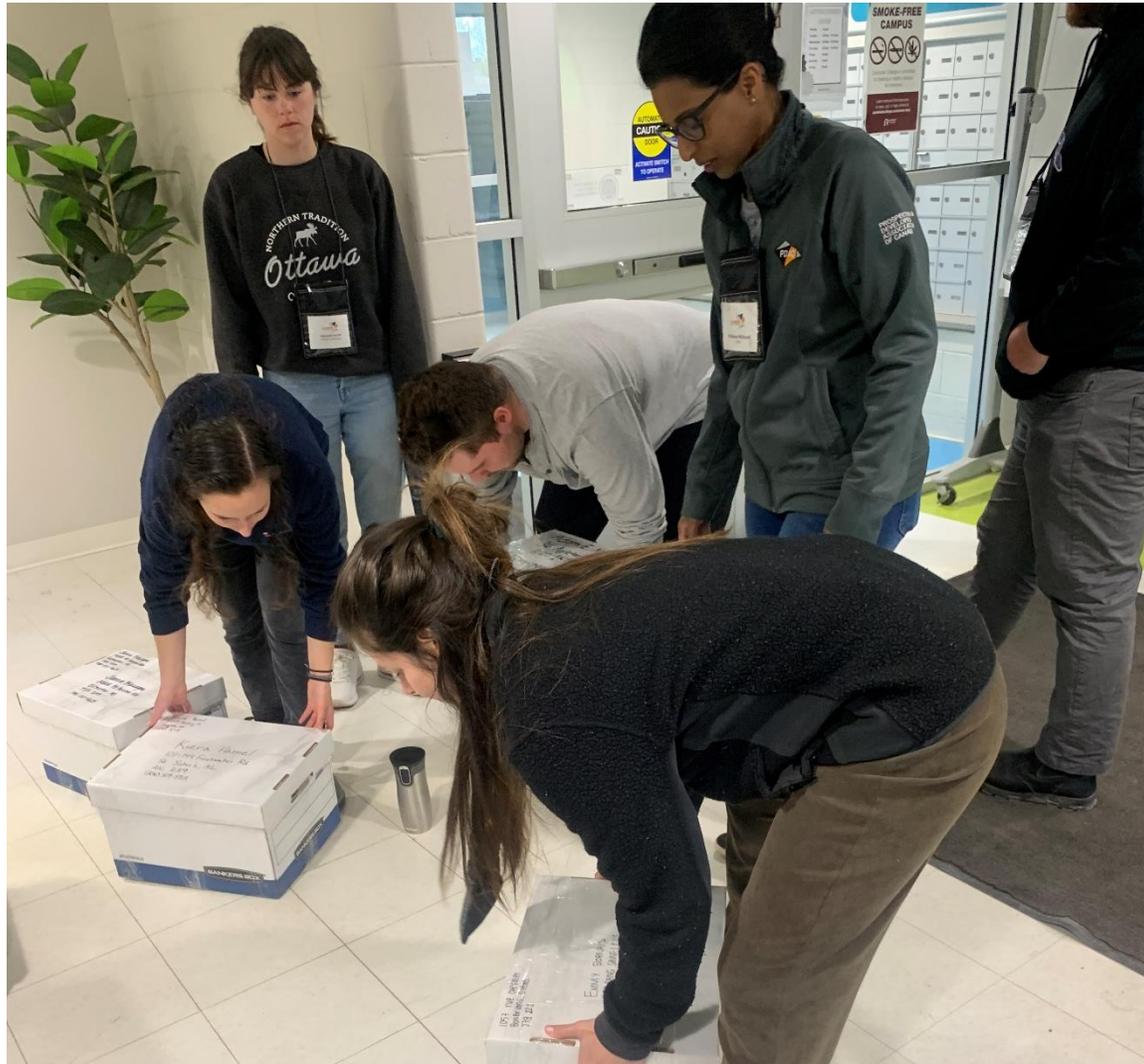




Arriving at Verdicchio's restaurant for dinner at the end of Geochemistry Day.



Kathryn Cheng (University of Toronto) thanks presenter, Dr. David Pearson, Laurentian University.



Packing the rock boxes of samples the students collected over the last two weeks to be shipped home.



Colin Webster (Alamos Gold) & Amber Blackwell (Knight Piésold Ltd.) during the Q&A on community engagement & environmental assessments.



Jeremie (Laval University) and Colin Webster (Alamos Gold) after a presentation on community engagement in the mineral industry.



Amber Blackwell (Knight Piésold Ltd.) with Jenna (University of Alberta)



Sarah Buck (University of Calgary) shares her experience visiting Agnico Eagle's Macassa Mine



Sam Ghantous (Lakehead University) sharing his S-IMEW 2023 experience!



Taylor Mugford, MUN, accepts her certificate from S-IMEW Co-Chairs, Karen Rees & Felix Lee



Students enjoying the S-IMEW Finale at the Timberwolf Golf Club



And that's a wrap for S-IMEW 2023!