



### S-IMEW 2024 Students





François Dubois-Roy Osisko Mining





Jonathan Koulouras Acadia University



Ingrid Helmke Dalhousie University



Amelia GreenJohnson Fleming College



MIa Morson Lakehead University



Anyk Mainville Laurentian University



Amielle Lajole Laval University



Gemma Andersen Jones Memorial University of Newfoundland

### S-IMEW 2024 Students





Emma Burnett Mount Royal University



Jaclyn D'Ascanio Queen's University



Gracle Avery Saint Mary's University



Mareen Bischof Simon Fraser University



Irina Malakhova University of Alberta



Ishtpreet Kaur University of British Columbia



See Ching Kwong University of British Columbia Okanagan



Elisha Williams Whelan University of Calgary

### S-IMEW 2024 Students





Djelika Sogoba University of Manitoba



Elena Galbané University of New Brunswick



Jade Minty University of Ottawa



Louis-Philippe Beaulieu University of Regina



Madison DeCorby University of Saskatchewan



Matthew Dunkerley University of Toronto



Palge Murray University of Victoria



Asla Maheu University of Waterloo



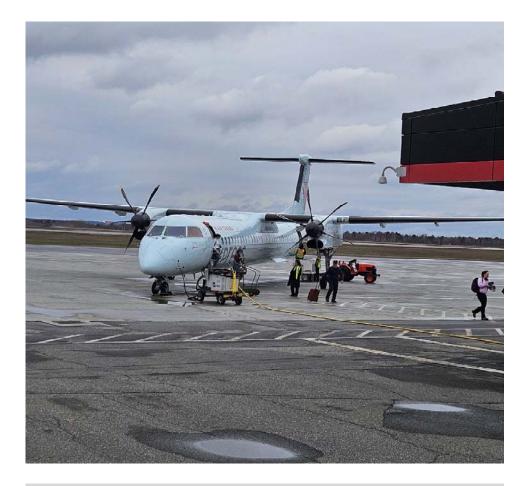
Alden Kilcommons Vancouver Island University



Sarah Mills Western University

### Wednesday, May 1 – Arrival in Sudbury





S-IMEW 2024 Students touch down in Sudbury

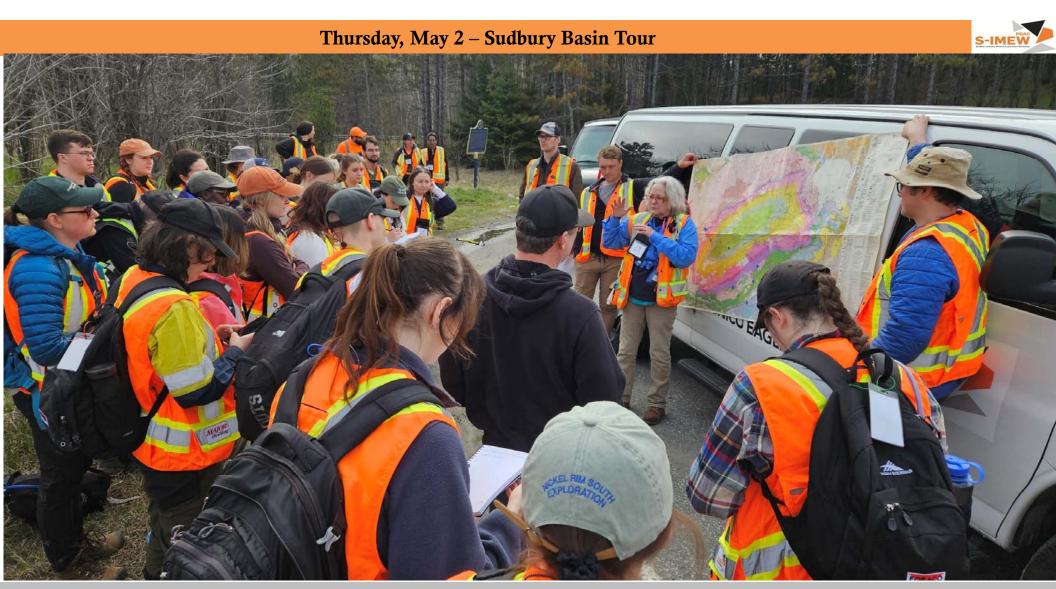


### Arriving at College Boreal



### **Premier Sponsor**





Shirley Peloquin (OGS) explaining the geology of the Sudbury Basin



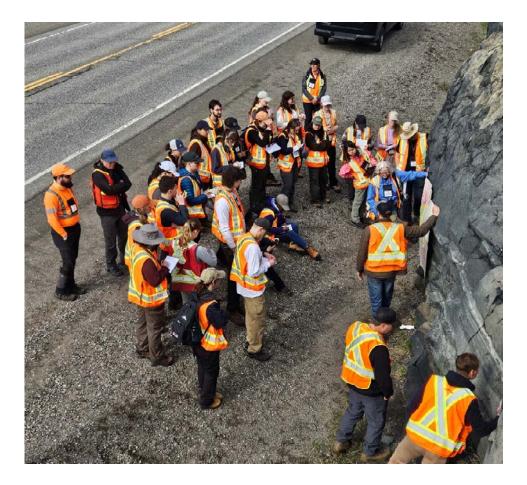




Arrival at Discovery Site of Sudbury nickel deposits

S-IMEW 2024 on Discovery Outcrop





Shirley Peloquin showing Chelmsford Fm sediments of Whitewater Group in the centre of the Basin



Louis-Phillipe (URegina) chasing cross-bedding







François Dubois-Roy (Osisko Mining) contemplating the fault

Grant Mourre (SPC Nickel Corp) arm waving





"what a dump" of Contact Sublayer (Norite Breccia)



Looking at the face



### **Diamond Sponsor**



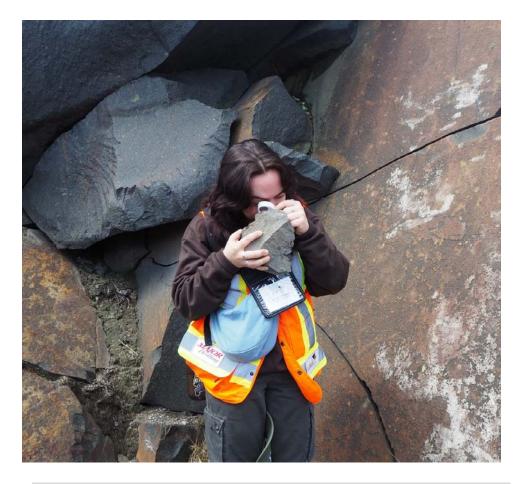






Across the contact into the footwall Levack Gneiss

Use your hand lens!



Jaclyn D'Ascanio (Queen'sU) taking a closer look at Sandcherry Member of the Onaping Formation,



A "fall-back breccia" from the settling of the impact debris



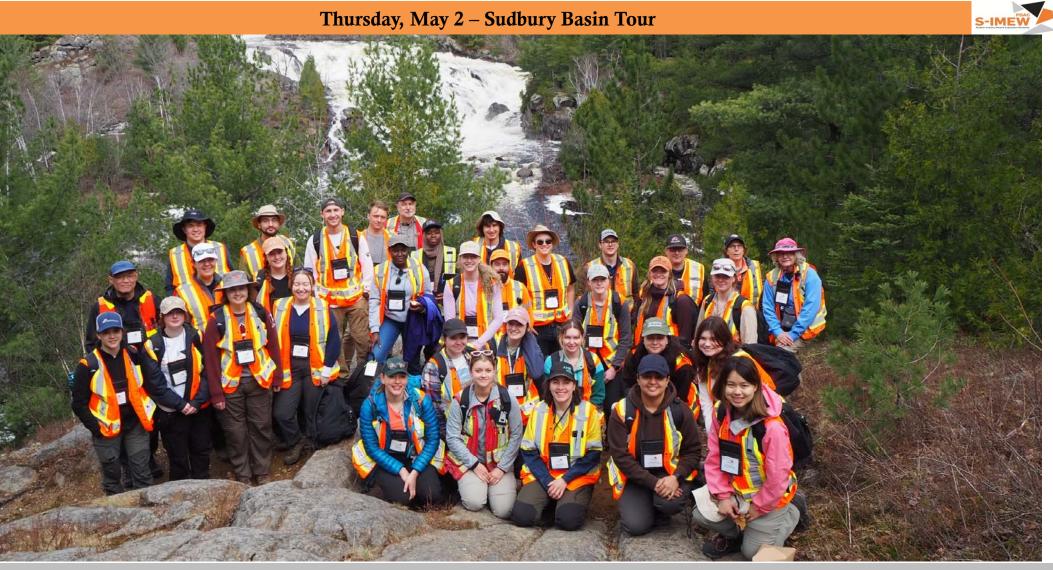






Jade, Ingrid, and Mia

So smooth



Lunch at Onaping Falls





Irina (UofA) Jade (UOttawa) & Mia (LakeheadU) with some massive sulphides at Copper Cliff Offset Dyke



Jonathan (AcadiaU) about to shot put





Anyk (LaurentianU) & Aiden (VIU) at Vale's Copper Cliff Offset Dyke



### Sulphides in Felix Lee's wake



S-IMEW 2024 at Copper Cliff – the end of a great Sudbury Basin Tour



## **Silver Sponsors**

# IAMGOLD<sup>®</sup>





S-IMEW 2024 about to start regional mapping with the OGS at Laurentian U







Spotting Shatter Cones!



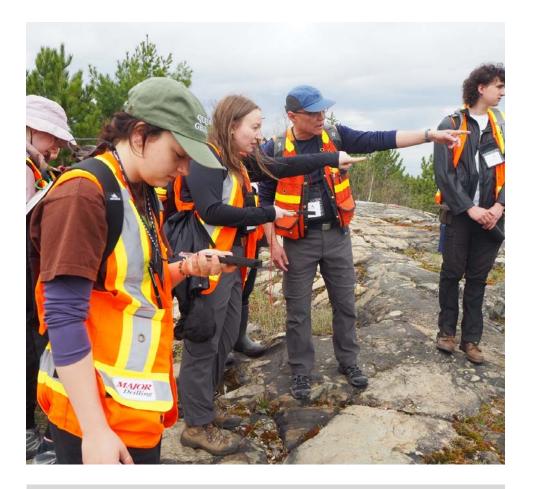




Ingrid (DalhousieU) with a Mesa

Ishtpreet (UBC) loves GPS





Past PDAC President Felix Lee showing the way



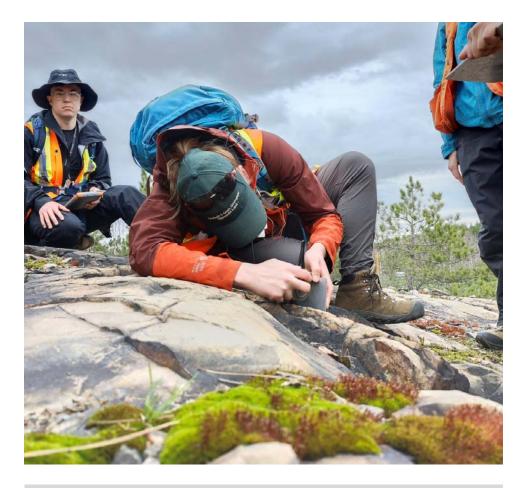
### Eyes down on the Sudbury breccia





What's that rock over there? Go find out – regional mapping





Amielle (Laval U) taking the plunge



Aggie (UBCO), Amielle (LavalU) & Asia (UWaterloo) orienting themselves with Lianna Vice (OGS)



## **Gold Sponsor**



S-IMEW

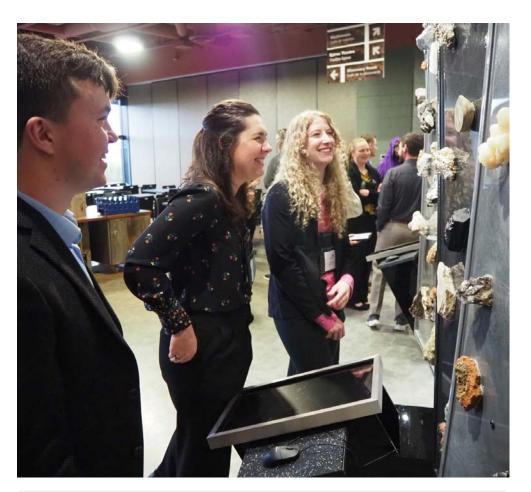


S-IMEW 2024 at Dynamic Earth's Big Nickel for the Welcome Reception





Gracie, Ingrid & Gemma – cheers!



Jonathan (AcadiaU), Irina (UofA) & Mia (LakeheadU) at the mineral wall







Anyk, Mia, Jade, Elisha, Gemma, Amielle & Gracie



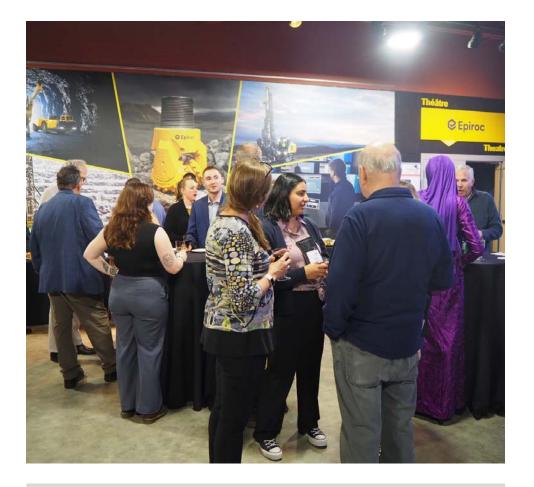


Sarah (WesternU) & Amelia (Fleming College) networking



More networking



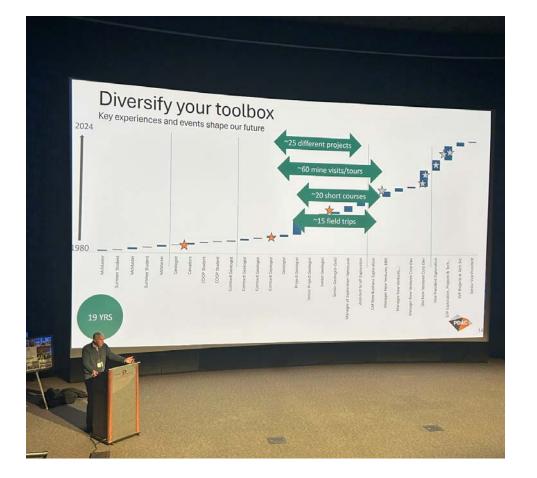




Making new connections

Making new connections





Alex Christopher, PDAC Past President had great advice in his opening keynote presentation



Thanks for an insightful talk and great advice Alex!





Karen Rees, PDAC 1<sup>st</sup> VP gives a great big thank you to Felix Lee, for 15 years as S-IMEW Co-Chair.



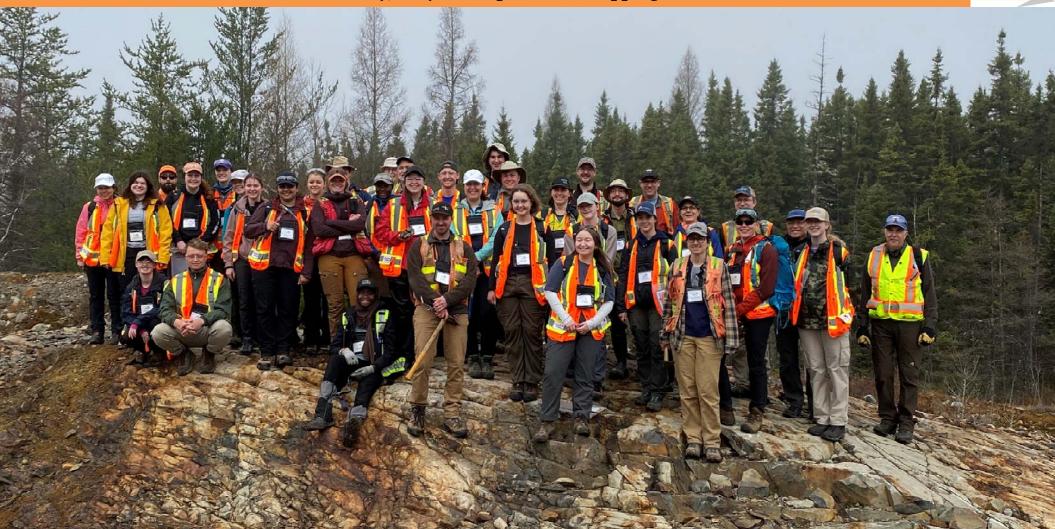
Ride home through the clouds



## **Gold Sponsor**



S-IMEW



S-IMEW 2024 ready to explore NorthX Nickel's Parkin project at a larger scale





Standing on the mineralized Parkin Offset Dyke



Preparing to break out into small groups





Raymond Goldie, PDAC President, takes a closer look



"Alright, what are we on?"







#### Stay on target...

Madison (UofS) happily crossing the swamp





S-IME

No moss to clear on this one

Is it outcrop or is it not?







Lunch after the swamp

The end of an exhilarating field day





Jade, Sarah, Matthew & Elisha putting their maps together



Louis-Philippe, Elena & Jonathon with Phil Trudel (Glencore)







Showing off their map

That *don't look at our map* smile





Cam Green (Evolution Mining) provides guidance on the map



Is it mylar or vellum?





François, Mia, Gracie and Emma are pretty happy with their map



If we all do a map it's faster



## **In-Kind Contributors**









BARRICK

Beach Meadows Resources

**BWB Consulting Services** 





Geoscience North





GLENCORE

SERVICES EXPLORATION



Gneiss to Know



Michael Doggett (Beach Meadow Resources) talks about the "rocky road" to an economic mine







Mineralogy 101

"Why isn't my magnet working?"

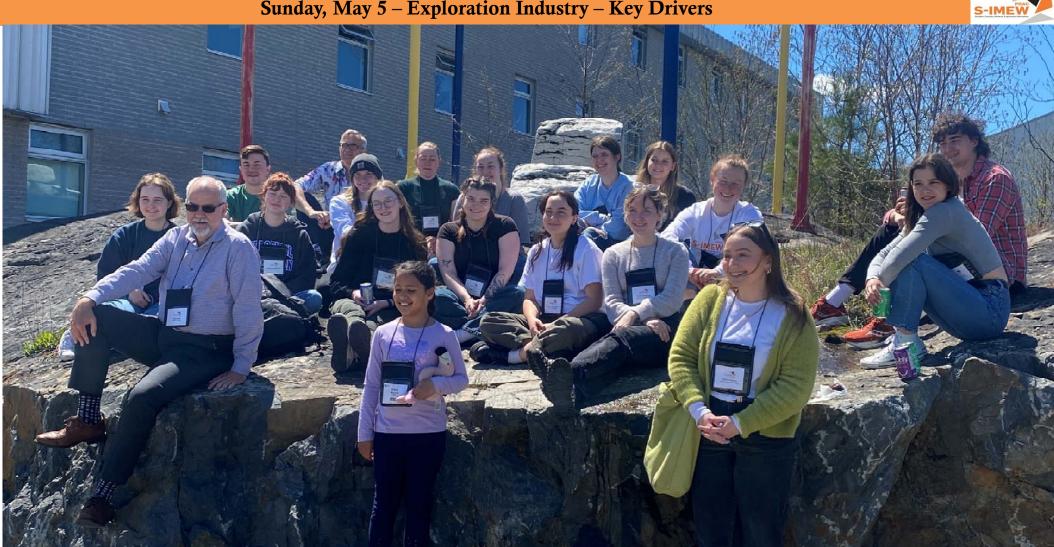




Elena (UNB) & Mia (Lakehead U) with cuprite which has the most copper



Paige (UVictoria) & Louis-Philippe (URegina) look at some green nickel laterite



"Photosynthesizing" on lunch



What's mine is yours with Brian Buss, BWB Consulting



S-IM

Matthew asks an "incredible question"



# **In-Kind Contributors**







LaurentianUniversity UniversityLaurentienne











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Monday, May 6 - Geophysics



S-IMEW 2024 heading to a Geophysics demos with Vale





Irina (UofA) on Gravity with Court (Vale)



Asia (UWaterloo) comprehending gravity





IP is ImPressive stuff with Pam Coles, Abitibi Geophysics



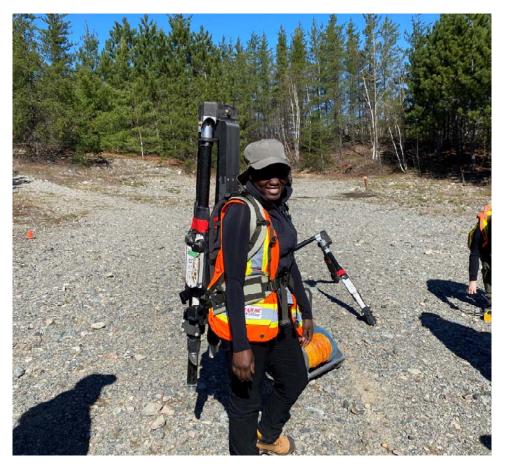
Pam & Cherif Diallo (Abitibi Geophysics) going through the steps



Louis-Philippe (UofR), Jaclyn (Queen'sU), Gracie (SMU), and Djelika (UofM) ponder [out of frame]





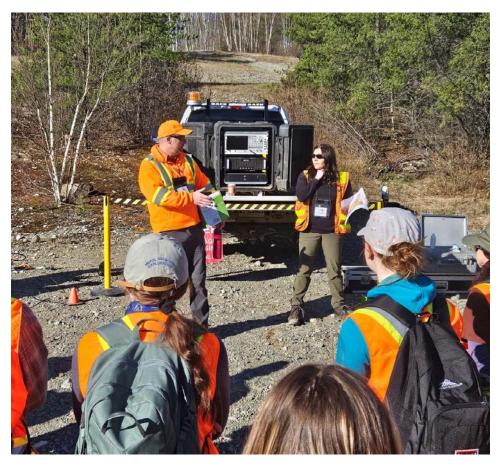


Paige (UVictoria) EMbracing EM

Elena (UNB) EMpowered



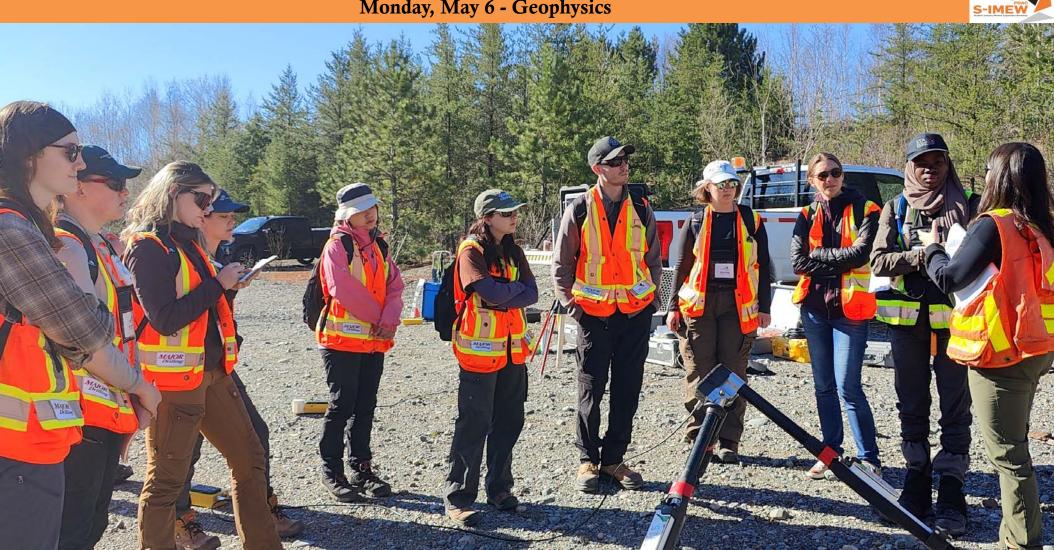




#### Sean Dickie and Krystal Kant, Vale

EMgage





Krystal explains EM to top young geoscientists



# **In-Kind Contributors**







Teck







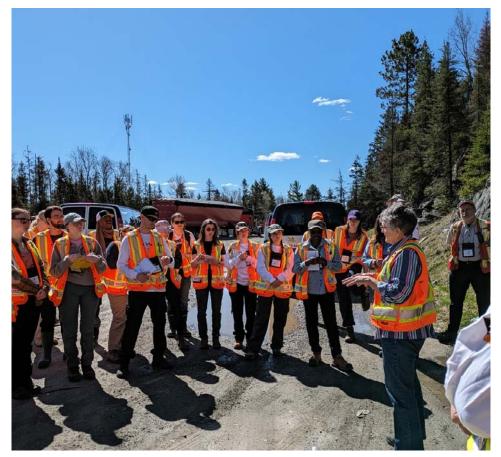






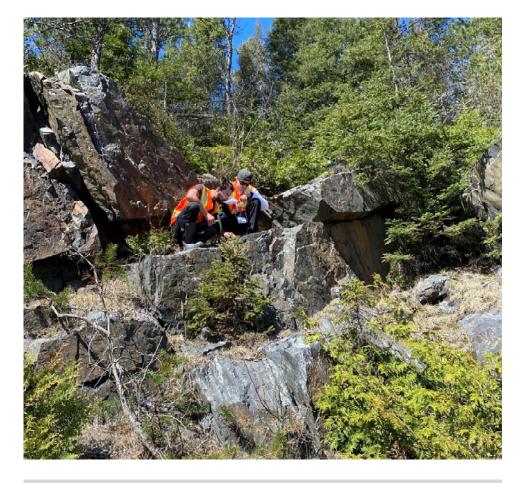


The trusty vans!



First stop on the field trip – Algoma-type banded iron formation (BIF) at Temagami





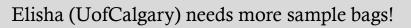
Crouching on a Banded Iron Formation (BIF)



Clambering on BIF





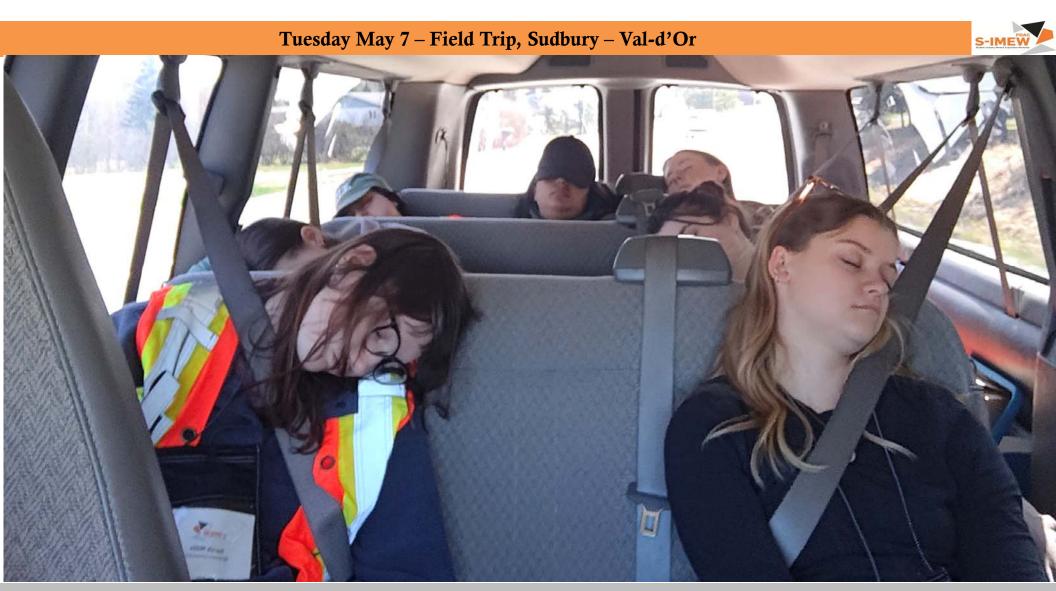




Paige (UVic) and Ishtpreet (UBC) love the BIF



Can't spell truth without Ruth – the Timiskaming graben overlook



All tuckered out



### **Diamond Sponsor**



# Tuesday May 7 – Field Trip, Sudbury – Val-d'Or bonjour ouébec Québec : bonjourquebec.com 5 AGNICO EAGLE 196-488

Bonjour! S-IMEW 2024 has entered Quebec en route to Val-d'Or





A big THANK YOU to Jackie Koh and Glenn Mullan for an amazing dinner!



Amielle mixing noodles





Pierre Pilote explaining spinifex texture in komatiites

### Wednesday, May 8 – Regional Geology of Val-d'Or







Beautiful komatiite flow

More furious notes



# **Premier Sponsor**







Finding the flow top



Ian Trinder, Willeson Metals, explaining the flow to Aggie (UBC-O)







Komatiites are so amazing!

Spinifex texture, 1200°C



A significant regional outcrop, one of the few places to see the Timiskaming-Cadillac metasedimentary contact







All the best stuff is on the ground

Looking at quartz veins



# **Gold Sponsor**

Teck





Flat-lying quartz-tourmaline vein at Probe Gold's Novador Project – Pascalis trend – New Béliveau zone



FeAsS at Probe Gold's New Béliveau zone

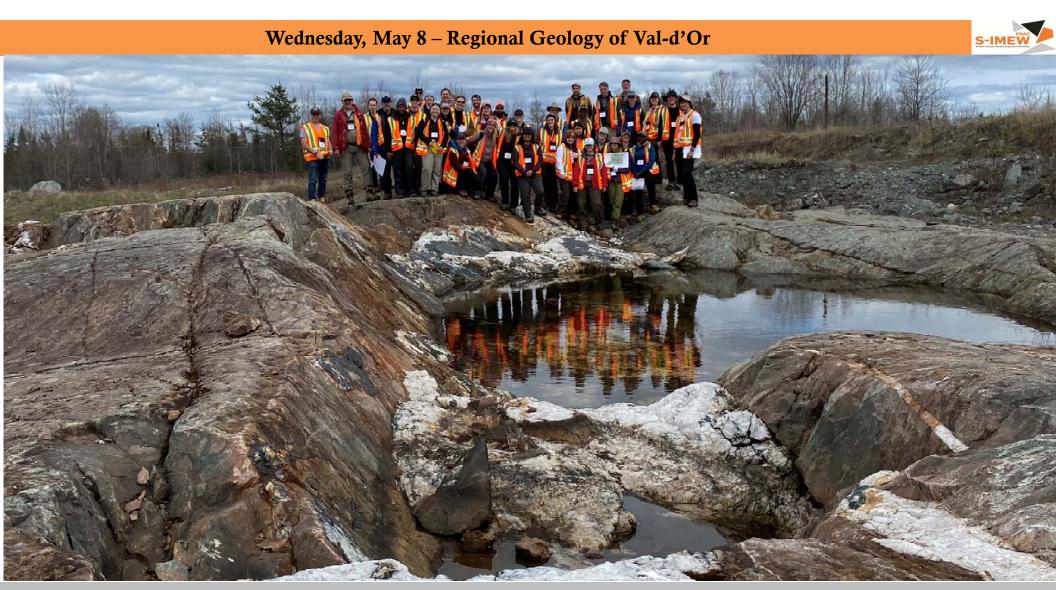




Marco Gagnon (Probe Gold) points out geological features on the New Béliveau zone outcrop



Dylan Jamison (O3 Mining) explains highly deformed Héva Fm volcanics at the Tex-Sol G outcrop



On the auriferous quartz-tourmaline vein outcrop at Probe Gold's New Béliveau zone



Group A ready to go underground at the Lamaque Mine Triangle deposit



On the way to the underground

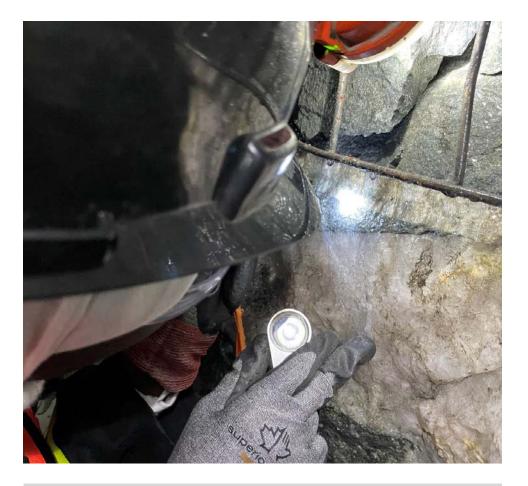


# **Diamond Sponsor**



## Thursday, May 9 – Eldorado Gold Lamaque Mine & Winsome/Wesdome Site Visits







Looking for VG

No shotcrete!









Waiting for a haul truck

Underground drill-visit



EV charging station, 8T Li-battery



S-IME



Amelia (Fleming College), Sarah (WesternU) and Emma (MtRoyalU) looking at Winsome Resources' pegmatite core

#### Thursday, May 9 – Eldorado Gold Lamaque Mine & Winsome/Wesdome Site Visits



Antoine Fournier, Winsome Resources, explaining the geology of the Adina pegmatite deposit

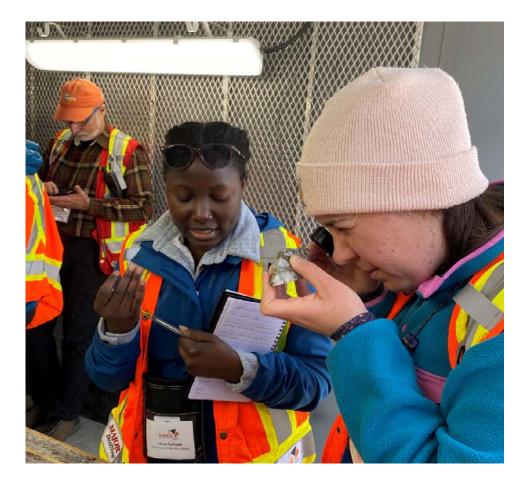


Denys Vermette, Wesdome Mines, explains the geology and mineralization of the Wesdome properties!



Thursday, May 9 – Eldorado Gold Lamaque Mine & Winsome/Wesdome Site Visits





Elena (UNB) & Irina (UofA) found VG at Wesdome Mines' core shack!

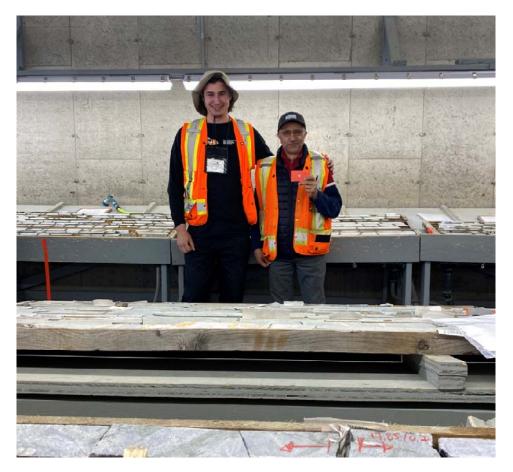


Jade (UOttawa) & Ingrid (Dal) spot the gold

### Thursday, May 9 – Eldorado Gold Lamaque Mine & WinsomeWesdome Site Visits







### Thank you Wesdome for a great afternoon!

SO MUCH VG!









Exploring la Cite de l'Or!

So much history in Val-d'Or



# **Diamond Sponsor**





**BEEP BEEP!** 



Group B facing the face 1.4 km underground at Goldex







Exiting the cage!

Mareen on her way to the railveyor



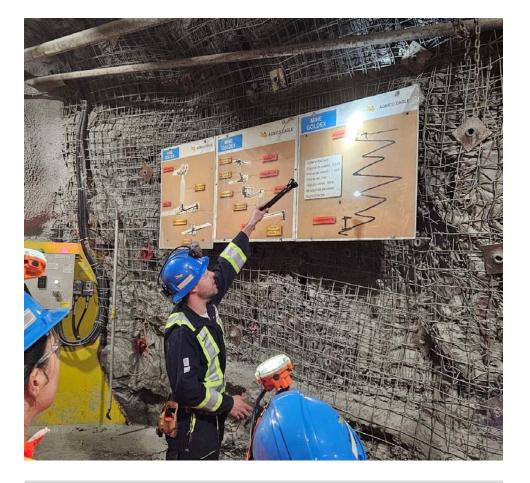




Look. At. It.

Look at this rock





Maxime (Agnico Eagle) explains the railveyor system



Taking a look at the railveyor system



Group A on surface at Goldex







Pedro (Agnico Eagle) shows Group A the AI

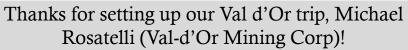
Pierre Grondin LeBlanc (AE & S-IMEW2012 Alum) talking about the core scanner



Hyper-spectral-x-ray-lidar-watergun-super-trailer









Thanks for the Goldex mine tour, Jean-François!

# Friday, May 10 – Back in Sudbury



Aurora at Boréal[is] in Sudbury!

# Friday, May 10 – Back in Sudbury





Divine inspiration

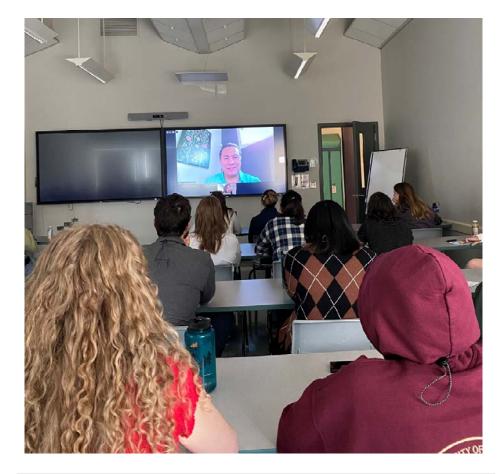


# **Gold Sponsor**



### Saturday, May 11 – Responsible Exploration





Christian Sinclair, Opaskwayak Cree Nation, zoomed in to share on community engagement in exploration



Valerie Pascale, Modern Core, had a great dialogue with Christian on ESG in exploration



Amber Blackwell, Knight Piesold, talked about permitting and environmental assessments



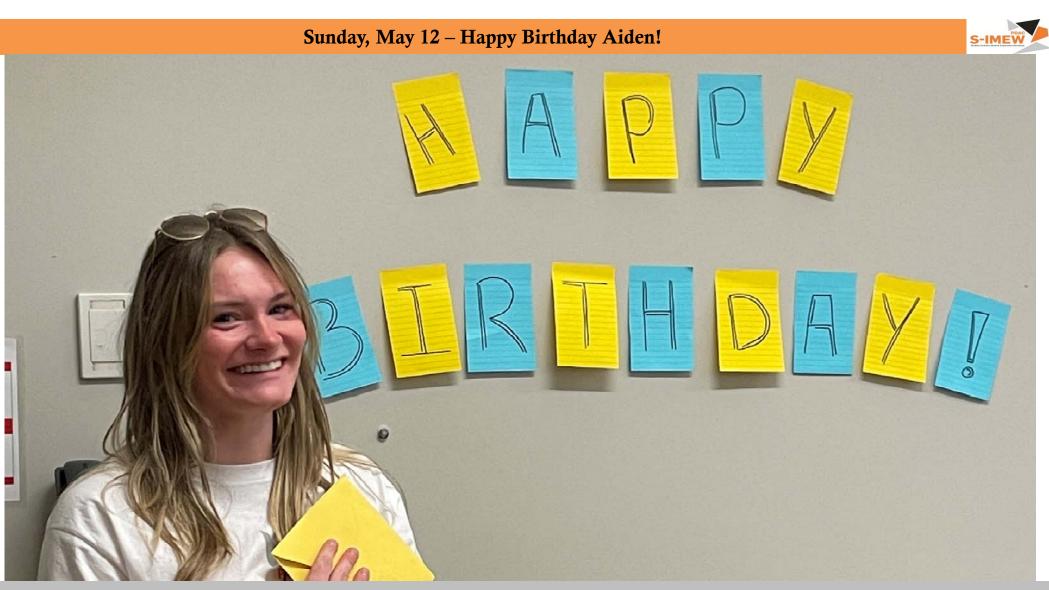
Frank Racicot, Racicot Prospecting, shows us that everything is connected



Making time for some movement

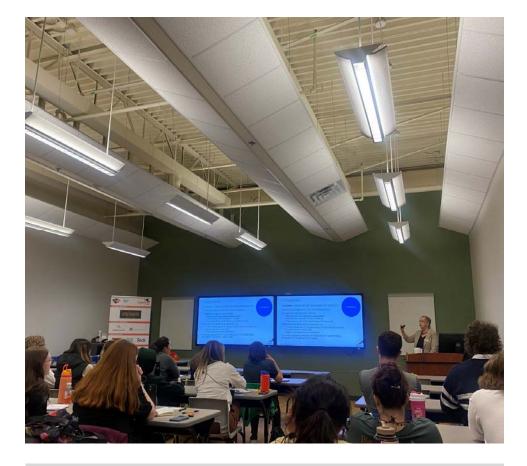


Conor McKinley, Onyx Exploration, S-IMEW2010 Alum, talks about his experiences post-S-IMEW

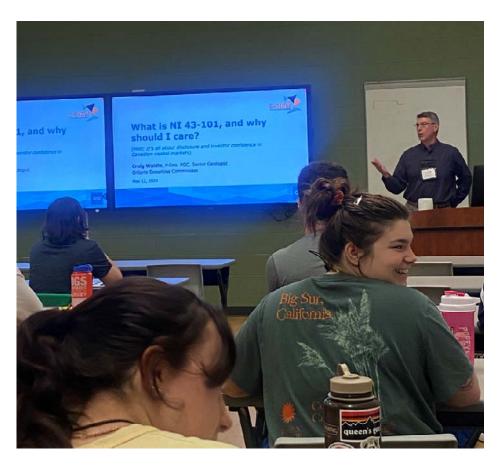


We love a S-IMEW birthday! Happy Birthday Aiden (VIU)!





Andrea Waldie, Geoscientists Canada, on ethics

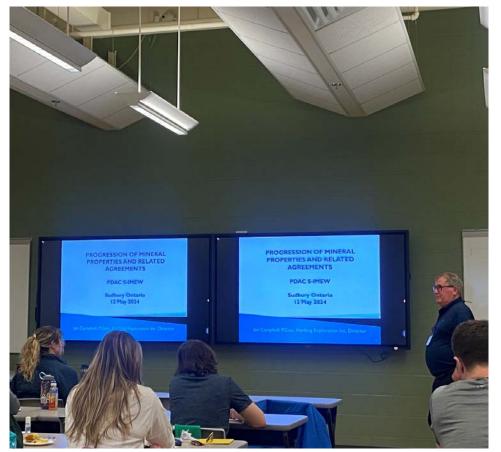


Craig Waldie, Ontario Securities Commission, explains why NI 43-101 is important





Mark Hall on land management rules



### Ian Campbell, Harfang Exploration, teaches about mineral properties and agreements



Glad to have you join us John Stringer, Major Drilling – geos & drillers do need to learn how to work together!



# **Gold Sponsor**







Organized sporting activities!



#### Elena (UNB) & Mareen (SFU) having a ball!







This soccer game looks intense!

Asia (UWaterloo) is on the ball!





Ladder Ball was a blast!



#### Taking a minute on the sidelines



Gemma Andersen Jones (MUN) & Grant Hagedorn, S-IMEW 2016 Alum after his Alumni Reflections presentation





A gorgeous day at Living with Lakes @ Laurentian for till sampling talks with Grant Hagedorn, OGS



Chris Beckett-Brown, OGS & S-IMEW 2015 Alum kicking off the day with intro to Surficial Geochemistry





Indicator mineral exercises with Beth McClenaghan (Geological Survey of Canada)



Grant Hagedorn, OGS & S-IMEW 2016 Alum demonstrating till sampling techniques





Marcus Burnham, OGS, explaining sample prep for XRF pellets



Tom Gore, OGS & S-IMEW 2016 Alum leading part of the Geolabs Tour





Alexandre Voinot, GSC, explains water sampling for trace element chemistry & environmental testing



Asia (UWaterloo), Madison (UofS) and Sarah (WesternU) getting hands on with water sampling





Chris Beckett-Brown, OGS, setting the rules of the Exploration Game



#### Pondering the exploration target



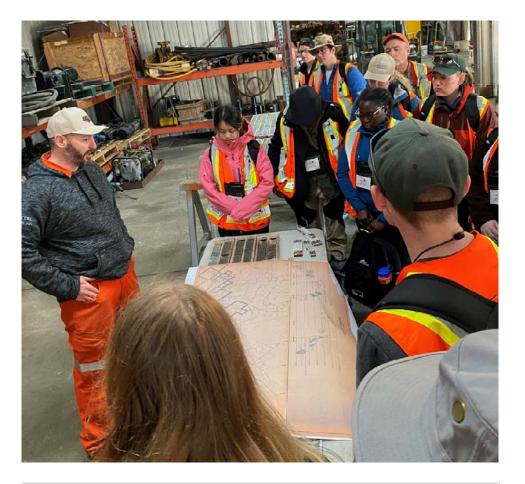
# **Gold Sponsor**

Teck



Thanks for an awesome tour of the GEOlabs!





Guido Serafini (Glencore) giving an overview of the Barnett field trip



First stop on the field trip was the historical Longvac mine site

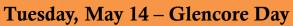


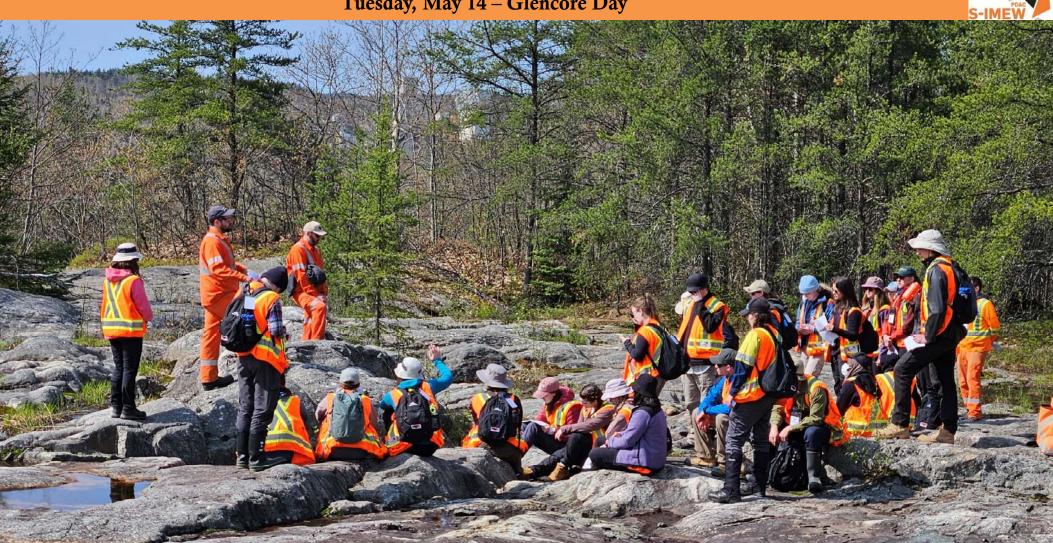


At our second stop the S-IMEW students mapped the Barnett outcrop

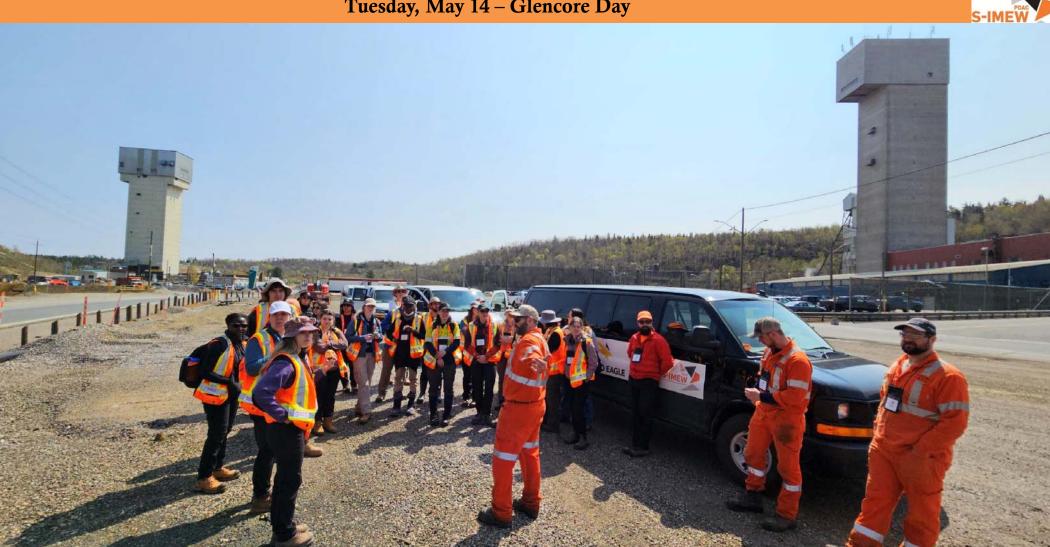


Sabrina Sterner (Glencore) answering questions about the outcrop



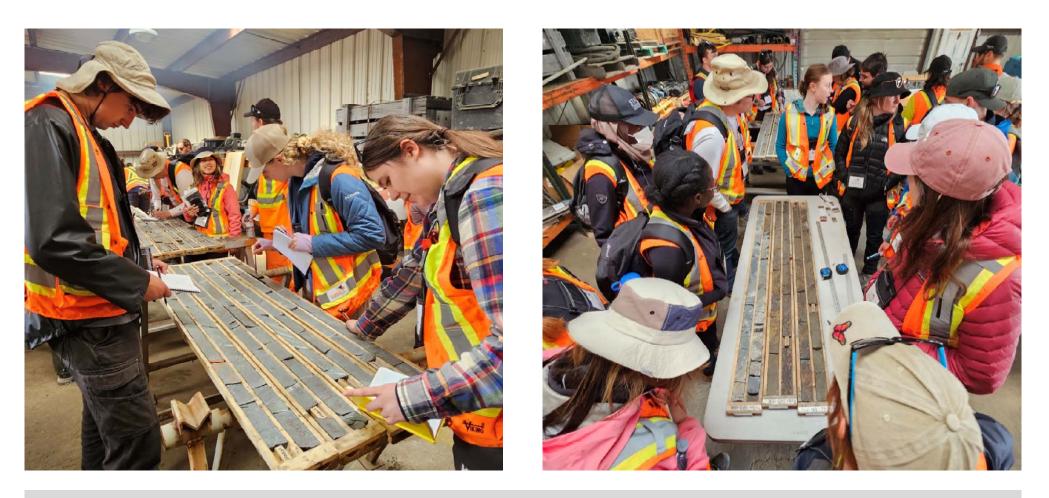


Jordan and Jacob (Glencore) giving the students the lay of the land – Strathcona and Coleman headframes in background



Between the Coleman (Vale) mine and Strathcona (Glencore) mill



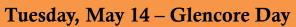


S-IMEW students conducting a mineral estimation exercise, Gemma (Memorial) estimated grade exactly correct





Hiking up to the Moose Lake drill site





Thank you Glencore and Foraco for the amazing tour of the drill site!



Students packing up their rock boxes to be shipped home



### **Premier Sponsor**





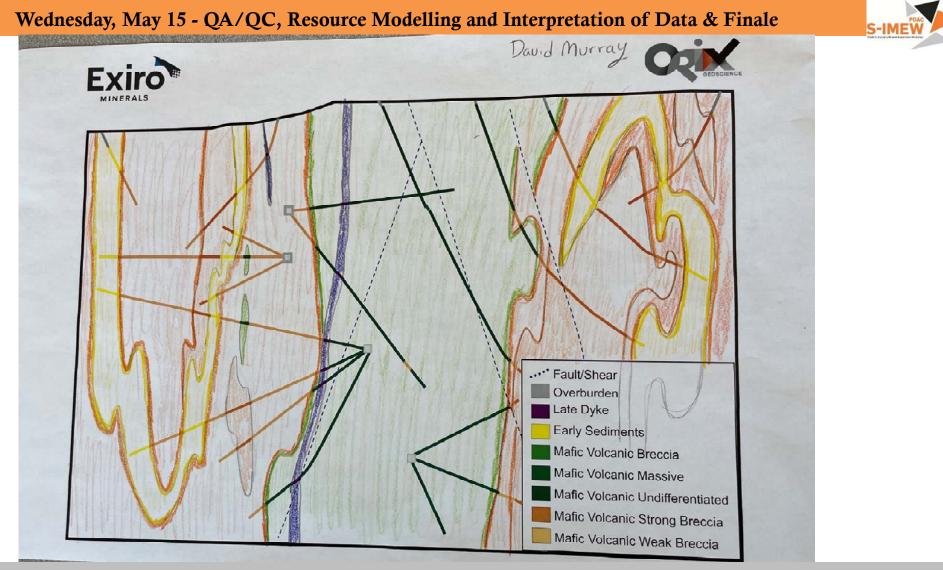
Shastri Ramnath (Exiro Minerals) explaining the fundamentals of data interpretation







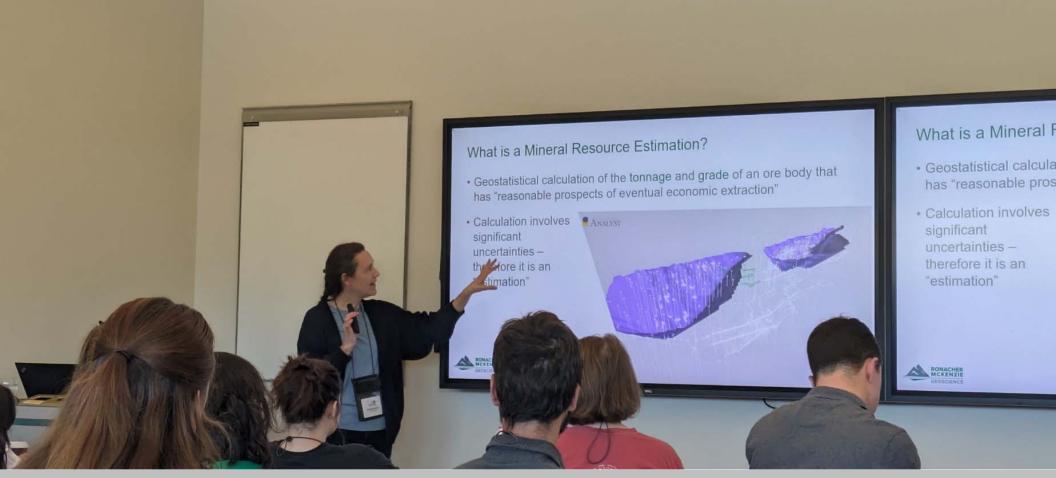
Gemma (MUN), Matthew (UofT), Elisha (UofC), Aggie (UBC-O) and Mia (Lakehead) enjoying the sectional interpretation activity



David Murry's (Resourceful Geoscience) cross-section interpretation

#### Wednesday, May 15 - QA/QC, Resource Modelling and Interpretation of Data & Finale

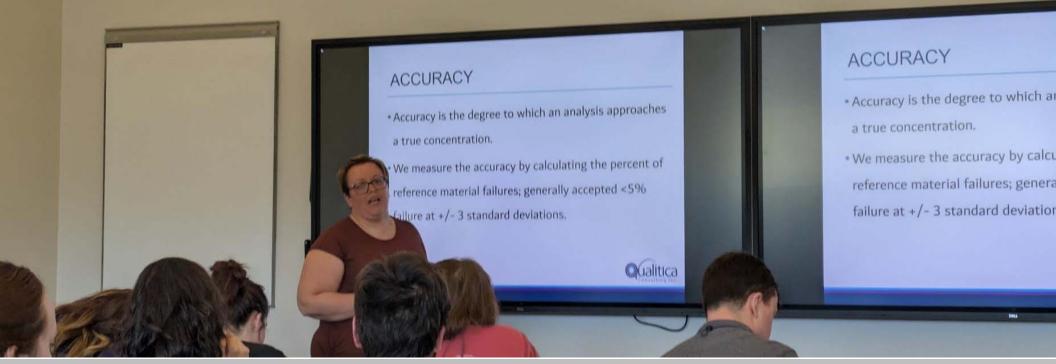




Elisabeth (Ronacher McKenzie Geoscience) demonstrating 3D modelling and resource estimation

#### Wednesday, May 15 - QA/QC, Resource Modelling and Interpretation of Data & Finale





Chantal Jolette (Qualitica Consulting) on QAQC in mineral sampling

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