



Matters

Mining

A Message from the President

Welcome to our 2015 Annual Newsletter, highlighting many wonderful students, teachers and adults we met throughout the year and the warm and generous communities we visited. This was another successful year, characterized by increased programming, new publications and partnerships. But most important, is the positive impact and legacy left behind with young people across Canada, as they explored the vital role rocks, minerals, metals and mining play in everyday life and learned of the many career opportunities available in the minerals industry.

I hope you enjoy reading these articles and hearing first-hand about exciting Earth science learning experiences through the voice of our participants.

Mining Matters outreach in 2014–2015 was significant and continues to grow. Some highlights include:

- Twenty-nine *Mining Rocks* Earth Science Programs were delivered to more than 3,400 Aboriginal youth, teachers and community adults.
- More than 630 educators were trained on **Mining Matters** curriculum resources.
- An estimated 15,000 students, educators and members of the public enjoyed Earth science outreach activities at schools, camps, conventions, conferences and public events across Canada, igniting interest about the wonders of Canadian geology.



Ring of Fire
Mining Rocks Earth Science Program,
Constance Lake FN, ON,
July 2015

As a charitable organization, **Mining Matters** develops and implements its programs with the help of financial sponsorship, donations and in-kind contributions from the mineral and aggregate industries, individuals, foundations, corporations and government. Now in our 21st year, we remain dedicated to sharing knowledge of Canada's mineral resources and mining industry with people of all ages. We are asking you to join us.

Supporting **Mining Matters** programming for youth is an investment in Canada that brings value to young people and communities from coast to coast.

Patricia Dillon
President and CEO, **Mining Matters**

Panning for gold,
Goldcorp *Mining Rocks*
Earth Science Program,
Red Lake, ON, July 2014



A Message from the President	1
Board of Directors and Staff	2
Who We Are	2
Adventures in Sample Collecting	3
"Use What You Learn"	4
Working with Kids at Carassauga	5
Take on the Challenge	5
Rocks and Crafts for all Ages	6
Mining Matters Activity Book	6
Des Ressources en Français pour tous	7
Mining Matters Far and Wide	8
A Memorable Close to the School Year	10
<i>Mining Rocks</i> on Baffin Island	11
Teamwork on the Ice	12
KPMG's Mining Practice in Action	12
Golfers and Cyclists Unite	13
Thanks to Our Contributors	14
Invest in Mineral Education	16
Making Connections with Mining Matters	16



Board of Directors

Mining Matters is a charitable organization governed by a volunteer Board of Directors.

Carol Burns, Aird & Berlis LLP

Patricia Dillon, Mining Matters

John Heslop, Thundermin Resources Inc.

Lee Hodgkinson, KPMG

Maureen Jensen, Ontario Securities Commission

William Roscoe, RPA Inc.

Edward G. Thompson, E.G. Thompson Mining Consultants Inc.

William White, IBK Capital Corp.

Staff

Barbara Green Parker, OCT

Manager, Aboriginal Education and Outreach Programs

Lisa Ambira • Jennifer Lee •

Amanda O'Connor • Joanna West
Assistants, Aboriginal Education and Outreach Programs

Laura Clinton

Manager, Special Projects

Janice Williams, OCT

Manager, Teacher Training and School Programs

Julie Lépine

Coordinator, French Programs

Kelly McBride

Coordinator, Teacher Training and School Programs

Laura Anonen

Coordinator, Operations and Events

Contact Us

For more information contact:

Mining Matters

904-1200 Eglinton Avenue East
Toronto ON M3C 1H9

Tel.: 416-863-6463 Ext. 321

Fax: 416-863-9900

E: info@miningmatters.ca

W: MiningMatters.ca

Charitable Registration Number: 88775 6435 RR0001

Who We Are

Mining Matters is a charitable organization dedicated to bringing knowledge and awareness about Canada's geology and mineral resources to students, educators and the public. The organization provides current information about rocks, minerals, metals, mining and the diverse career opportunities available in the minerals industry. **Mining Matters** offers exceptional educational resources that meet provincial curriculum expectations, created by educators and Earth science experts.

Mining Matters has reached an estimated 600,000 teachers, students and members of the public since inception in 1994.

Our mandate at **Mining Matters** is to broaden students' understanding of Earth science and the vital role rocks, minerals, metals and mining play in everyday life and increase awareness of the many career opportunities in the minerals industry.

It is delivered through three core educational initiatives:

- **Aboriginal Education and Outreach Programs**
Opening a world of opportunities to youth in Aboriginal communities
- **Teacher Training and School Programs**
Bringing Earth science to life for students and teachers in classrooms across Canada
- **Outreach Programs**
Developing an awareness of the mining industry and sparking interest in Earth science learning in people of all ages

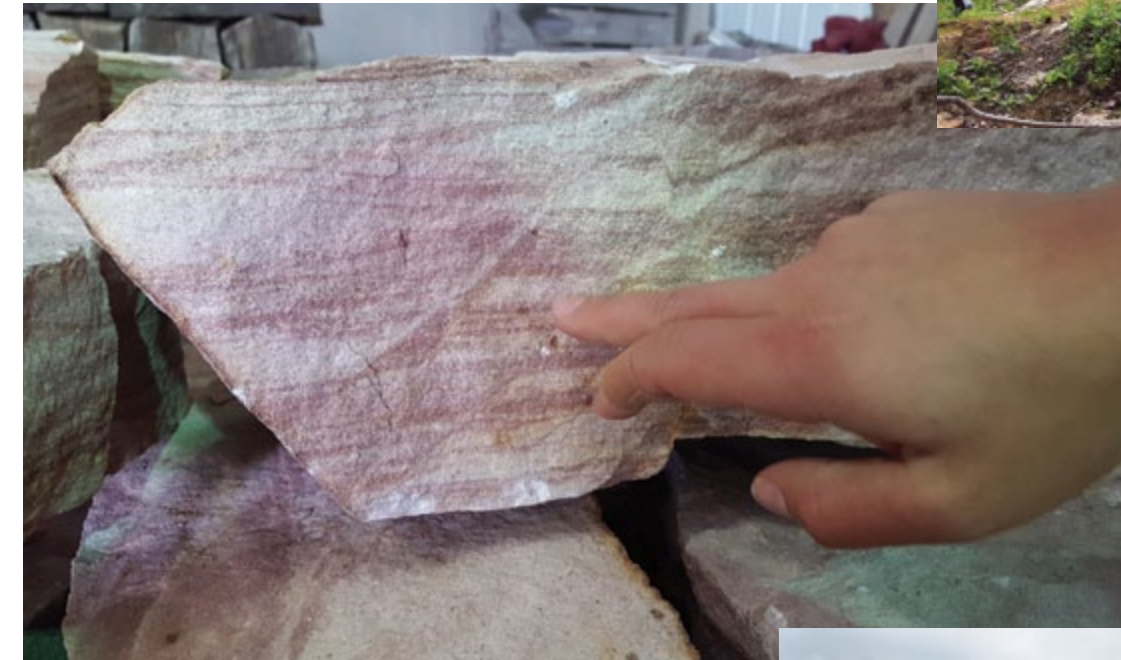
Water Sampling Activity,
Goldcorp Mining Rocks Earth
Science Program,
Red Lake, ON, June 2015



Students at De Beers Mining Rocks Earth Science Program,
Moosecree FN, ON, November 2014

Adventures in Sample Collecting

Mining Matters Teacher Resource Kits are filled with Canadian rock and mineral samples; some donated, some purchased, but most collected personally by **Mining Matters** staff. Each summer the quest to find and collect the necessary samples begins. In 2015, we were thrilled with two new locations for sample collection.



Collecting calcite and mica
at the Miller Mine site, near
Bancroft, ON, July 2015

Sandstone at
Rideauview
Contracts Natural
Stone Products,
Inverary, ON,
July 2015

Our first location was Rideauview Contracts' sandstone quarry near Kingston, Ontario featuring beautiful red and cream sandstone exemplifying the successive layering found in sedimentary rocks. Wayne Jackson, Project Manager, took us on a tour of the site and showed us how the stone used in construction and landscaping is treated, prepared, stylised and cut. Rideauview generously provided us with samples of a cut sandstone column, pieces of wollastonite with traces of gold, plus a piece of Kingston limestone with a bush-hammered finish.

Our visit to the Miller Mine property, our second location, was an adventure! Peter LeBaron, Resident Geologist with the Ministry of Northern Development and Mines Tweed office and Ulrike Kullik from the Kawartha Rock and Fossil Club, took us to the site which featured biotite (mica), calcite and apatite. Our well-informed guides transformed collecting into a wonderful learning opportunity.

Every year **Mining Matters** needs to source new locations to collect rocks and minerals for the production of our Teacher Resource Kits. Canadian rocks and minerals are valuable resources and **Mining Matters** is making sure that they are used for the purposes of education so that future generations are aware of Canada's natural bounty.



Sandstone quarry outcrop at
Rideauview Contracts Natural Stone Products,
Inverary, ON, July 2015

“Use What You Learn” at the PDAC Convention

Each year, **Mining Matters** proudly participates in the PDAC International Convention, Trade Show and Investors Exchange. We host Teacher Day and two Student Days, generously sponsored by IBK Capital Corp. This year, our programs focused on one of the 16 Habits of Mind—a set of skills used to solve problems. “Use What You Learn” gave over 200 program participants a mineral resources educational experience like no other!

On Teacher Day, attendees tried out ArcGIS online, supported by Esri Canada, using technology comparable to that used in exploration and mining operations. Teachers enjoyed an inspired keynote address by Lori Martin, Geology Lead for Glencore’s Sudbury Integrated Nickel Operations. They also “walked” across Canada’s Arctic, on a giant floor map produced by Canadian Geographic Education and the Canadian Museum of Nature and examined specimens of Arctic plants, animals, fossils and minerals, broadening their knowledge of the North.

Students ages 10 to 17 experienced hands-on, minds-on activities highlighting “Why Where Matters,” a showcase of the richness, resources, culture and diversity of Canada’s lands. They also explored “Optical Properties of Earth Materials” uncovering unique physical properties of rocks and minerals in the darkness of the North building “bat cave”.

Convention attendees from around the world visited the **Mining Matters** booth to examine and take away information about our work with students and teachers and view our amazing resources, including the new **Mining Matters Activity Book** and the *Fossils of Ontario* guide. Dr. Robin Armstrong, from the Natural History Museum in London, England was so impressed with the *Fossils of Ontario* guide that he took 40 copies back for his students. Some Finnish visitors loved our “Mining makes it happen” t-shirts, taking several home as souvenirs.

Our silent auction items always catch the eyes of attendees. They included fine jewellery, mineral globes

— always popular with the Earth science crowd — and unique Canadian artwork generously donated by the Elliot Lake Silver Birch Centre. Proceeds help support our educational programs and resources.

Please visit us at the 2016 PDAC Convention, March 6 to 9. The education program theme, “Mining our Business”, will have students and teachers exploring two important areas in the fields of education and industry: safety and skills development.



Students learning at the PDAC Convention, Toronto, ON, March 2015



Students at the PDAC Convention, Toronto, ON, March 2015



Working with Kids at Carassauga

Carassauga Festival of Cultures, a Mississauga tradition for 30 years, builds understanding and awareness of Canada’s rich cultural diversity. Over a three-day weekend in May 2015 more than 300,000 visits were recorded and **Mining Matters** was part of the celebration.

The **Mining Matters** team shared with visitors, young and old, the wonders of Canada’s vast mineral resources and the vital role rocks, minerals, metals and mining play in everyday life. This year, an estimated 14,700 children under 12 years of age visited the ever-popular KidsZone and many had the opportunity to explore **Mining Matters** numerous hands-on, fun Earth science and mineral resource simulation activities.

Everyone, young and old, loves rocks and minerals!



Sandcastle Mining Activity at Carassauga, Mississauga, ON, May 2015

Take on the Challenge

Mining Matters is excited to present the WHERE Challenge, back for the 8th year. This national contest ignites students’ curiosity about the origins of everyday items and encourages them to explore the mining, energy and environmental sectors for possible career opportunities.

The WHERE Challenge is a national contest endorsed by the Canadian Earth sciences community and motivates students ages 9 to 14 to explore the fields in which geoscientists work: Water, Hazards, Energy, Resources and the Environment. Students discover and creatively tell a story about why non-renewable resources are so important in everyday life by considering the questions “What on Earth is in your stuff?” and “WHERE on Earth does it come from?”

Entries are received from across Canada and a volunteer judging panel selects regional and national winners, awarding up to \$6,000 in cash prizes. Last year, 458 students were involved in the Challenge, resulting in 13 regional winners, of which seven won national prizes! By participating, students combine classroom learning with real world relevance, curiosity with practical research and creative ideas with production technology; resulting in project entries that never cease to amaze the judges! Participants can submit their WHERE entries in song, essay, video, poem, poster or any creative medium.

Launched September 1, 2015, the WHERE Challenge accepts entries online, in English and French, until March 9, 2016. The winners are announced April 30, 2016.

A contest such as this one can only be successful with the enthusiastic and continuous support of industry. **Mining Matters** requires industry members to join our judging panel. Volunteering as a judge only takes a few hours, but the experience lasts a lifetime! Please visit our new WHERE Challenge Judges’ Registration form at MiningMatters.ca to register as a judge.

Other ways your support can make a difference:

- Share information about the contest with colleagues, family, friends and your social media network.
- Help a local educator or youth leader with the Challenge in the classroom or club.
- Encourage youth to participate.

For more information about the contest and view some of the winning entries, visit www.earthsciencescanada.com/where.



S’impliquer de façon originale!

L’année dernière, 458 élèves ont participé au Défi, parmi ceux-ci, sept projets ont gagné au niveau national, dont cinq étaient en Français! Ce concours pancanadien bilingue continu d’être un succès grâce au soutien de l’industrie; c’est pourquoi le Défi de la Terre demande aux membres du secteur minier de se mobiliser et joindre le jury francophone. Pour vous inscrire, visitez le MiningMatters.ca ou communiquez avec Une mine de renseignements au 416-863-6463.

Rocks and Crafts for all Ages

Mining Matters looks for exciting ways to engage children and adults about the wonders of rocks and minerals. Interactive activities where families work together are a fun and effective way to learn.



Rock collecting can be a creative activity for all ages. Just as people have long used natural materials such as bone, wood, shells, fibre or stone for artistic expression, everyone can transform their rocks into personalized pieces of art. **Mining Matters** hands-on activities teach them how to do it. Try these activities yourself or pass them on!

Make a Canada Rocks! keychain, paperweight or doorstop, or create alphabet rocks to spell words and names. Sound interesting? Read on and get ready to *start rockin'*!

Canada Rocks!

Go on a rock walk and select a long, flat rock. Wash it thoroughly and let dry. Paint one flat side of the rock with white tempera paint and let dry. Using a ruler and pencil, section the white painted surface into three panels—similar to those of the Canadian flag—the centre section twice the width of the side panels. Paint the side panels with red tempera and let dry. Trace a maple leaf onto the middle panel and fill in with red paint. Let dry and spray with clear lacquer. Take pride in your Canada Rocks! creation.

ABC...Rocks for Me!

Design a unique working alphabet by painting letters on individual rocks and then build words with your creations. Collect or buy flat, tumbled river stones; 26 smooth rocks are needed for one alphabet. Use *A Field Guide to the Identification of Pebbles* to identify and learn about your rocks.



Wash the rocks thoroughly and allow them to dry. Using water-based craft paints, paint one side of each rock—vary colours for interest—and let dry. Paint a capital letter on each rock. Let dry and spray all rocks with clear lacquer. Repeat the process to create a set of lower case letters. Spell names, places or things and enjoy!

Mining Matters designs and develops activities to foster excitement in rocks and minerals.

These craft ideas are featured in *groundWORK*, our annual educator newsletter designed to support teachers

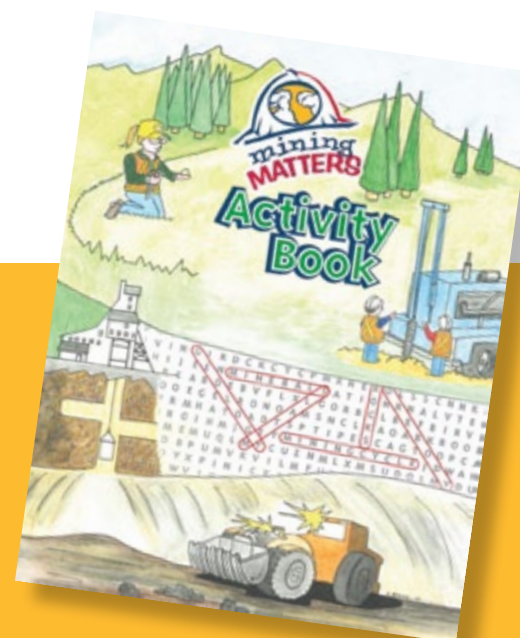
in the delivery of their mineral resources curriculum by providing new activities and resources to engage students year after year. For more complete instructions and other great rocks and crafts ideas, view *groundWORK* at MiningMatters.ca

Rock On!

Mining Matters Activity Book

Mining Matters has a fun, new publication for youth ages 9 to 13 years, designed to encourage exploration of the world of rocks, minerals, metals, mining and careers in the minerals industry. Packed with puzzles, our 26-page *Mining Matters Activity Book*, available in English and French, challenges kids with codes to crack, things to spot, word searches, crosswords, Sudoku and more!

We've asked kids to grab their hard hats and get ready to dig into a mine load of fun. They will discover the three rock groups, how geologists explore for these treasures of the Earth and how engineers go about building a mine. They will learn how to find their way outdoors and how to keep safe deep underground. They can dream of getting a cool job working with awesome equipment!



Kids will be surprised when they see what rocks, metals and minerals are in the everyday things around them, from food, medicine, toothpaste, cell phones to computers. They can be proud to learn that Canada is a world leader in the mining industry, making safety a number one priority. They will discover why Mining Matters and have fun doing it!

This Activity Book has been generously sponsored by Kinross Gold Corporation. For copies, email info@miningmatters.ca or download from MiningMatters.ca.

Des Ressources en Français pour tous

In addition to our English resources, **Mining Matters** continues to expand our French language resources to ensure that students of all ages can access current information about geology, the Canadian mining industry and its career possibilities in both languages.

Les roches et les fossiles de l'Ontario

Mining Matters collaborated with the Ontario Ministry of Northern Development and Mines to create user-friendly resources to generate excitement and curiosity about the land beneath our feet from an Ontario perspective. *Les roches de l'Ontario* and *Les fossiles de l'Ontario*, for ages 6 to 86, feature vivid images and bright colours, consistent with geological map standards.

Le cahier d'activités d'Une mine de renseignements

Le cahier d'activités d'Une mine de renseignements, sponsored by Kinross Gold, encourages youth ages 9 to 13, to explore the world of rocks, minerals, metals, mining and careers in the minerals industry. Fun activities challenge kids with codes to crack, word searches, crosswords, Sudoku and more.

Qu'est-ce qu'une mine?

Our 20-page colouring and activity book, *Mineur Le Magnifique* guides kids through an adventure that helps to answer the question "Qu'est-ce qu'une mine?"



fondements

Published annually, our *fondements* newsletter for educators features

Mining Matters happenings, valuable information about events across Canada, Earth science resources and classroom activities. The 2015 issue included articles about the Pan Am Games' medals, glittering gold, Sudbury beginnings, learning through contests and more.

L'industrie minière: Au fond des choses

Posters in the *L'industrie minière: Au fond des choses* series explore the importance of minerals in our everyday lives. *L'énergie au service des gens* looks at the people and metals and minerals that make alternative energy technology possible. *À la fine pointe* relates metals and minerals to the winter sport of skating. *De l'aurore boréale aux sentiers urbains* checks out the metals and minerals that go into a snowmobile.

Défi de la Terre

Now in its 8th year, the WHERE Challenge is a national contest that asks students ages 9 to 14 to discover the answers to the questions "What on Earth is in your stuff?" and "WHERE on Earth does it come from?" They can enter as individuals, in a group or on behalf of the school and compete for regional and national prizes.



Mining Matters Far and Wide

“Great ideas as to how to use the materials—everything you need, you have.”

Teacher, Deeper and Deeper Workshop, Laval, QC, April 2015

“Although I had some solid base knowledge in this subject, this workshop filled in the gaps and deepened my understanding. Great resource!”

Golden Valley Elementary Teacher, Deeper and Deeper Workshop, Val d’Or, QC, March 2015

“I learned about indicator minerals, diamond drills and a lot of minerals and what they look like.”

High School Student, PDAC Convention 2015, Senior Student Day, Toronto, ON, March 2015

“My favourite activity was doing the cookie mining because it was kind of like math.”

Participant, *Mining Rocks* Earth Science Program, Webequie FN, ON, October 2014

“There are so many things she has learned from this competition, and we are thankful for the generous sponsorship that gives the added incentive to work hard.”

Parent of 2015 WHERE Challenge Best Overall award winner in the 12–14 age category, Saskatoon, SK, June 2015

“L’animation, le côté ludique, expérimenter. Le sujet était présenté de manière très intéressante.”

De la Mosaïque Elementary School Teacher, Deeper and Deeper Workshop, Québec City, QC, April 2015

“The students were thoroughly engaged and gained a great deal of information, which they added to their already existing knowledge of rocks and minerals. We are very grateful for this opportunity that was funded by your organization. We are confident that our students will remember this knowledge for years to come as a result of having this hands-on learning activity.”

JB Mitchell School Elementary School Teacher, Field Trip Subsidy Recipient, Winnipeg, MB, June 2015

“I am very proud that this program [FNNRYEP] has credits. It’s helped me catch up in school. I plan to become an engineer and feel more motivated to finish school and make something out of my life. Hopefully [have] a career.”

Participant, *Mining Rocks* Earth Science Program, First Nations Natural Resources Youth Employment Program, Upsala, ON, July 2014

“Our school looks forward to working with the “Mining Matters” program again next year, inviting program facilitators to once again share their expertise, know-how, skill and knowledge with our community to enhance our understanding about mining in Canada, mineral resources and career opportunities.”

Principal, Johnny Therriault School, Ring of Fire *Mining Rocks* Earth Science Program, Aroland FN, ON, October 2014

“I think the fact that mining was de-mystified was huge. The trade show floor was eye-opening in that it demonstrated the diversity of careers in the field.”

Teacher, PDAC Convention 2015 Teacher Day, Toronto, ON, March 2015

“Mining is very important.”

Participant, *Mining Rocks* Earth Science Program, Vale-Kronau, SK, May 2015

“[I learned that] there are many types of diamonds. Geology and mining helps us a lot.”

Participant, *Mining Rocks* Earth Science Program, De Beers-Fort Albany FN, ON, November 2014

“This program is extremely important for Nunavut. Please come back. Educational resources are extremely useful.”

Teacher, Educator Workshop, Baffinland-Arctic Bay, NU, September 2014

“I learned that when you’re mining you have to be careful of the land.”

Participant, *Mining Rocks* Earth Science Program, Vale-Kronau, SK, May 2015

“Thanks for coming. The lesson plans will be well used.”

Teacher, Educator Workshop, Baffinland-Hall Beach, NU, September 2014

“Excellent day! I can see adding hands-on activities into my plans. Rocks/minerals/mining will be a bigger piece of my year plan.”

Teacher, Educator Workshop, Vale-Balgonie, SK, June 2015

“I think this might spark some future geologists/miners etc.”

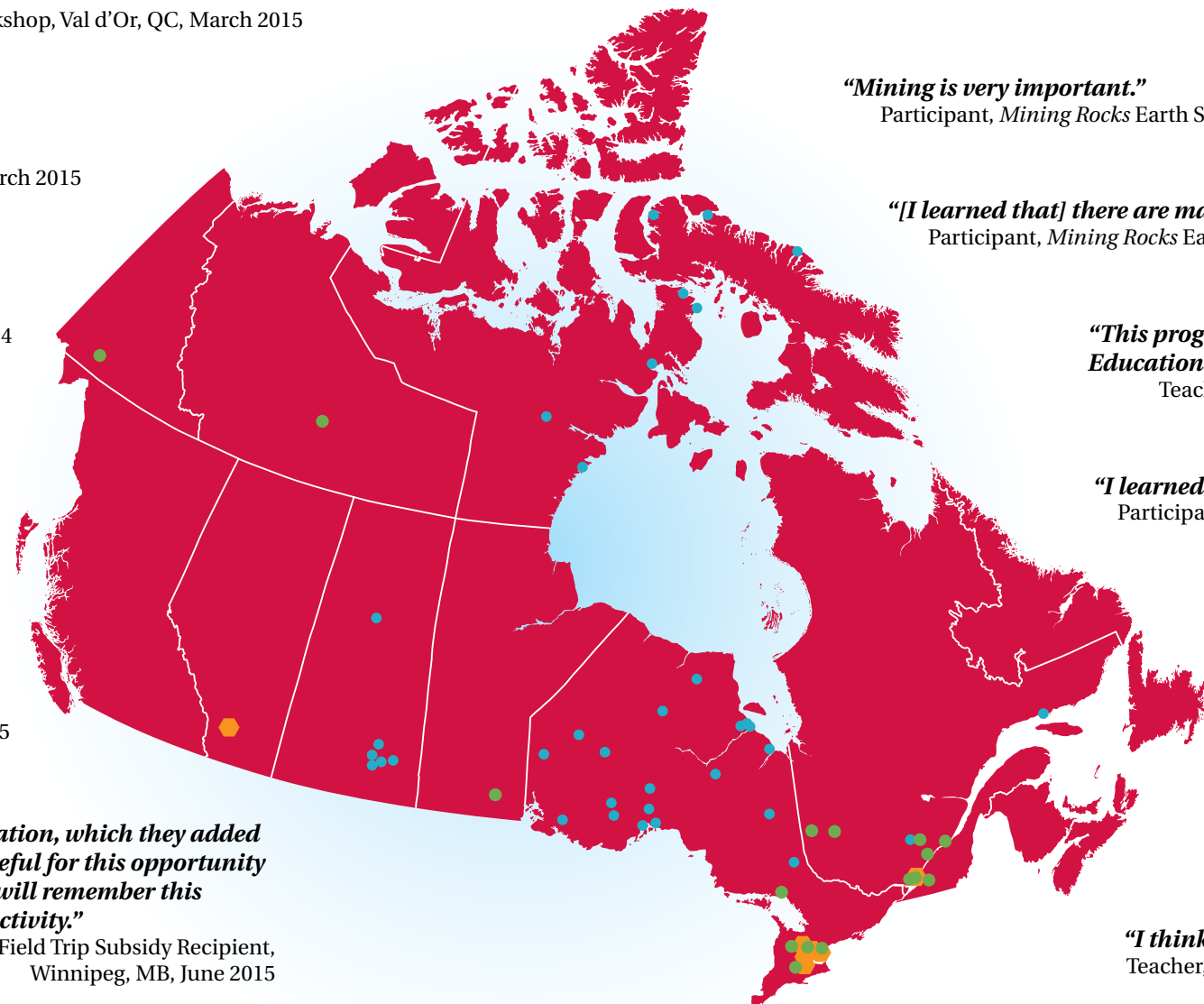
Teacher, Educator Workshop, SNC-Lavalin-Muskowekwan FN, SK, May 2015

“Great learning program you have.”

Participant, Ring of Fire *Mining Rocks* Earth Science Program, Attawapiskat FN, ON, July 2014

“The mix of presentation, discussion, and hands-on activities was a great mix. Presenters were knowledgeable and enthusiastic.”

Teacher, Yukon Rocks Workshop for Teachers in partnership with the Yukon Geological Survey, Whitehorse, YK, September 2014



Mining Matters Coast-to-Coast

- Aboriginal Education and Outreach Programs
- Teacher Training and School Programs
- Outreach Programs

A Memorable Close to the School Year

The trip to Mistissini, Québec delivered in partnership with Stornoway Diamond Corporation was another program first for **Mining Matters**. This was the largest single-day program ever delivered and involved our entire Aboriginal Education and Outreach Programs (AEOP) team. The program reached 450 Cree Nation of Mistissini students, ranging from preschool to high school age.

An event of this size required all hands on deck, with the AEOP team, Stornoway coordinators and volunteers working hard to prepare for the exciting program. Since the program was held on the last day of school, we started the morning with a bang! Everyone enjoyed the simulation of an explosive kimberlite eruption to demonstrate how diamonds are transported to the surface.

The program for the preschool, grade 1 and grade 2 students was set up outside in three large teepees and featured the popular Sandcastle Mining and Digging for Dinos activities. Indoor activities included a safety dress-up station and a **Mining Matters** colouring station.

Remaining students were divided by grade, with the elementary students taught in the morning, followed by grades 7, 8 and high school students in the afternoon. Programs for all grades featured many of **Mining Matters** most popular activities: Cookie Mining, Compass Challenge and Product Matching.

Despite thunderstorms and heavy rain everyone involved considered this program an overwhelming success. Community leaders from Cree Nation of Mistissini and Stornoway representatives appreciated the organization and professional approach used by **Mining Matters** to involve so many students in a fun and engaging learning experience.

The program in Mistissini provided the opportunity for the AEOP team to further develop their presentation skills. They learned how to teach different age groups, handle busy and fast-paced situations and interact with industry mentors from Stornoway.

Mining Matters welcomes the opportunity to share the wonders of Canada's geology and build awareness of the minerals industry. We enjoyed making the last school day for the students of Cree Nation of Mistissini, one to remember!



Stornoway Mining Rocks Earth Science Program, June 2015



Students in Personal Protective Equipment at Stornoway Mining Rocks Earth Science Program, June 2015



Cookie Mining Activity at Stornoway Mining Rocks Earth Science Program, June 2015



Students exploring the Canadian Mineral Map at Baffinland Mining Rocks Earth Science Program, Pond Inlet, NU, October 2014



Students identifying minerals at Baffinland Mining Rocks Earth Science Program, Pond Inlet, NU, October 2014

Mining Rocks on Baffin Island

Polymetallic Cookie Mining Activity at Baffinland Mining Rocks Earth Science Program, Pond Inlet, NU, October 2014



Last fall, **Mining Matters** and Baffinland Iron Mines Corporation partnered with the communities surrounding the Mary River Project, Qikiqtani Region, Baffin Island, to deliver five *Mining Rocks* Earth Science Programs with professional development workshops for teachers. A total of 246 students and 81 teachers were reached through the *Mining Rocks* programs.

Four one-day programs were delivered in the communities of Arctic Bay, Hall Beach, Clyde River and Pond Inlet. The fifth program in Igoolik was delivered in the spring of 2015. All programs provided an introduction to the fundamental concepts of Earth science and information about the mining industry.

In each community, a Baffinland Training Supervisor and an Inuk Community Liaison were present. These representatives offered valuable information about mining and the variety of careers available to participants. The local opportunities for diverse, rewarding careers in the mining industry were emphasized with the older participants. The presence of a Baffinland mentor to discuss details about the project as well as act as a role model enhanced the program considerably.

Student feedback from each location indicated that the programs successfully generated interest and awareness of future employment opportunities in the region. "I hope I'll be able to be a worker in BL." – Age 15, Grade 11, Male, Arctic Bay

Workshops introduced the *Deeper and Deeper* Teacher Resource Kit to 81 elementary and secondary school teachers. Educators reported that the information would be useful in helping them teach students about rocks, minerals, metals, mining and informing them about the career opportunities in the mining industry.

Mining Matters is pleased that the *Mining Rocks* Earth Science Program helped ignite interest in Earth science and in the mining industry. We look forward to continuing this collaborative educational partnership in the future, building on the foundational knowledge established fall 2014 and spring 2015.



Mineral Discovery Activity, Baffinland Mining Rocks Earth Science Program, Pond Inlet, NU, October 2014



Teamwork on the Ice

Canadian “Miner” League Hockey teams once again hit the ice at the 8th annual **Mining Matters Hockey Tournament**, on Saturday, February 28, 2015, at Toronto’s Buckingham Arena. Presented by Irwin Lowy LLP, this industry competition favourite had 192 players on 12 teams showing off their teamwork, vying to see their name engraved on the coveted Caracle Cup. Congratulations to this year’s champions: Noront Resources!

Many companies boasted a “Hat Trick” with their team sponsorship bringing together clients, industry partners and employees for a day of sport, networking and camaraderie—a winning strategy! Participants had a shot at winning \$10,000 in the Shoot for Loot challenge, and the raffle and silent auction had triumphant buyers taking home unique sports items and memorabilia.



The 2015 Mining Matters Hockey Tournament Champions, Noront Resources, February 2015



Players on the ice at the 2015 Mining Matters Hockey Tournament, February 2015

The **Mining Matters Hockey Tournament** is an important annual fundraising event, raising \$12,000 for education and outreach. Teamwork, competition and fun support **Mining Matters** goals to help educate students, teachers and the public about the wonders of Canada’s geology and mineral resource endowment and

to inspire young people to explore careers in mineral exploration and mining.

We thank our presenting sponsor Irwin Lowy LLP and our many other sponsors and donors for making this year’s tournament a great success. We thank Caracle Creek, founding sponsor and sponsor of the Cup, for their vision and strong support since 2007.

March 5, 2016 is not far away. Show off your teamwork at the 9th annual tournament! For information, contact tournaments@miningmatters.ca.

KPMG’s Mining Practice – Community Leadership in Action

KPMG’s Mining Practice is committed to building strong, vibrant communities. On June 19, KPMG and representatives from Toronto-based mining companies took to the field to drive positive social change, at the 7th annual KPMG Soccer Cup event.

More than 100 mining industry professionals along with KPMG employees set forth to battle it out on the pitch. Fierce competition ensued with eight top mining companies playing hard and fast to claim the coveted KPMG Soccer Cup.

Triumphant was Kinross Gold, the KPMG Soccer Cup Champion for 2015. Teams played in support of **Mining Matters** and Earth science education for youth in communities across Canada; raising a generous \$12,000. **Mining Matters** is grateful to all for their participation and sends special thanks to Lee Hodgkinson, Partner and National Industry Leader, Mining and KPMG for hosting and organizing this wonderful event on our behalf.

Thank you KPMG for using your collective experience, skills and energy to drive positive change. Mining makes a difference!



Winning foursome from Canadian Resources Insurance Solutions, June 2015

Golfers and Cyclists Unite for Mining Matters

Golfers and cyclists met under blue skies at **Mining Matters Diamond in the Rough Golf Classic** and **Rock Cycle Ride for Minerals Education** on Thursday, June 4, 2015. Blessed with perfect weather, golfers enjoyed 18 holes of golfing challenges, camaraderie and specialty treats at Woodington Lake Golf Club, Tottenham, Ontario, while their cycling colleagues sped off on an exhilarating 80 km ride through rolling countryside.

Congratulations to our first-place golf foursome from Canadian Resources Insurance Solutions! At the end of the day, golfers and cyclists joined together for an evening featuring networking, a silent auction full of unique items and an overall good time.

Mining Matters thanks everyone who took part in this 9th annual signature event. In an uncertain year for the industry, we particularly appreciate the support of its members who came together to raise \$10,000. We would like to thank IBK Capital Corp., Goldcorp Canada, Prospectors and Developers Association of Canada, MNP LLP and all other generous sponsors and donors. The tournament and ride raise funds to support **Mining Matters** Earth science programs, provide opportunities to introduce new educational resources and highlight program milestones.

Next year, we will celebrate our 10th annual event! On June 16, 2016 at Cedar Brae Golf Club, look forward to new event features and prizes. Don’t miss out! For information, registration and sponsorship opportunities contact tournaments@miningmatters.ca.



Rock Cycle Ride for Minerals Education, June 2015

Thanks to our Contributors!

As a charitable organization, **Mining Matters** greatly appreciates contributions from the minerals and aggregates industries, individuals, foundations, corporations and government. These generous donations make possible all aspects of our program development and implementation.

Associations, Corporations, Foundations and Government Contributors

Precious Metals



Diamond



Gold



Silver



Supporters

Alpha Exploration Inc. • Avalon Rare Metals Limited • Boart Longyear Canada • Brian and Susan Thomas Foundation • Cameco Corporation • Canadian Institute of Mining, Metallurgy and Petroleum • Canadian Mining and Metallurgical Foundation • Canadian Securities Exchange • Canadian Society of Exploration Geophysicists Foundation • Cassels Brock & Blackwell LLP • Centerra Gold Inc. • City of Greater Sudbury • Cormark Securities Inc. • Data Deposit Box • Fasken Martineau LLP • Fission Uranium Corp. • Foran Mining Corp. • Fraser Grand Solutions • Hatch Ltd. • HudBay Minerals Inc. • Klohn Crippen Berger Ltd. • KPMG • Masuparia Gold Corporation • Mining Industry Human Resources Council • NexGen Energy Inc. • North Arrow Minerals Inc. • Norton Rose Fulbright Canada LLP • OceanaGold Corporation • Ontario Mining Association • PearTree Financial Services Ltd. • Red Cloud Mining Capital Inc. • RPA Inc. • Sherritt International Corporation • Singapore Airlines • The Fairmont Royal York • The Midas Touch Foundation • The Northern Miner • The William Pearson Family Fund • Thundermin Resources Inc. • Votorantim Metals Canada Inc. • Yamana Gold Inc. • Zimtu Capital Corporation

Friends

BDO • BWB Consulting Services Inc. • Cementation Canada • Brent Cochrane Consulting • Diamond Innovations Canada • Goodman School of Mines • Integro Insurance Brokers Ltd. • JCML Resources Inc. • Marine Mining Consultants • Northern Prospectors Association • Partners Indemnity Insurance Brokers Ltd. • The Women's Association of the Mining Industry of Canada • Treasury Metals Inc. (Goliath Gold Project)

Individual Contributors

Platinum Sponsor (\$10,000)

Donald Bubar • Ross Lawrence • Ronald Netolitzky • William Roscoe • Edward Thompson

Silver (\$5,000)

Stuart Averill • William Barnett • Robert Bishop • Patricia Dillon • Graham Farquharson • Ron Gagel • Scott Hand • Lee Hodgkinson • William Mercer • Kelly O'Connor • Robert Schafer • Gren Thomas • Rodney Thomas • Mackenzie Watson

Contributors (up to \$999)

David Davidson • Anne Flanagan • Jim Glover • John Goode • Sander Grieve • John Harvey • Michael Hoffman • Patrick Mars • Richard Moore • Gregory New • Glenn Nolan • Keith O'Brien • James Pirie • John Postle • Ted Trueman

Friends (up to \$500)

Jon Baird • John Bogie • Anna Burwash • Douglas Cater • David Clarry • David Comba • Ed Debicki • Edward Freeman • Heather Grand • Michael Hobart • Donald Hoy • Charles Jefferson • Dennis Jones • Jim Kelly • Leni Keough • Nicole Lasanen • Lorna MacGillivray • Allan MacTavish • Ron Malashewski • Mike Rylatt • Paul Soble • Michael Sutton • Fred Sveinson • William Steve Vaughan • Mark Wheeler • Maxine Wiber

Fans (up to \$199)

Brian Abraham • Dale Alexander • John Ashenhurst • David Barnes • Ted Baumgartner • Anne Belanger • Ben Berger • Martin Bobinski • Robert Boyd • Robert Bryce • Marie-France Bugnon • Lorne Burden • Joe Campbell • John Carrington • Maurice Carter • Jean Pierre Chabot • Lesley Chorlton • Laura Clinton • Gary Cohoon • Peter Cooper • Mark Corvetti • Louis Covello • W.R. Dick Cowan • Russell Crosby • Rebecca Darling • James Davies • Dimitar Dimitrov • Martin Doyle • Peter Doyle • Martin Eastwood • Jeff Fawcett • Gerald Feifer • Mike Flanagan • Michel Flandrin • Ian Forrest • Jean-Raymond Frédéric • Alexander Glatz • George Gorzynski • Scott Grant • R. Michael Gray • John Haffidson • Jeremy Haile • John Hainey • Gerald Harper • Donald Hattie • Rowan Head-Marsden • Robert Hearst • Larry Herbert • Robert Hornal • Michael Hutchins • David Hutton • Raymond Irwin • Greg Isenor • Lo-Sun Jen • Chantal Jolette • Dean Journeaux • Orest Kalawsky • Adou Kathe • James F. Kenny • Nickolas Kohlmann • Alexandra Kozlowski • Nicole Kyger • Tom Lane • Michael Leshner • Geir Liland • Robert MacCallum • Stan MacEachern • Ralph MacNally • George Mannard • David Marsh • Sheelah McCarthy • Gordon McCaslin • Bill McGuinty • Bryan McKay • Jean-Marc Miebe • Stephen Miko • Dennis Morrison • R. Lynn Moxham • Hamid Mumin • David Murray • John Murray • Pat O'Connell • Tom Ogryzlo • Gerald Panneton • Valerie Pellerin • Christine Petch • Jim Popowich • Joseph Poveromo • John Prochnau • John Quckenboss • Konrad Radacz • George Rayfield • Paul Renken • Robert Reukl • Shawn Ryan • Laura Jo Scaife • Carl Schulze • Ernest Sheriff • Robert B. Shewchuk • Wolfgang Skublak • Gord Slade • David Smith • Ian Smith • Otto Snel • Hugh Snyder • Jane Spooner • Ken Steele • William Stiebel • William Stokes • Michael Stuart • Karen Sutherland • Michael Sweatman • Flavio Tavora • Rees Thomas • Roger Thomas • Chris Twigg-Molecey • Milan Umiljendic • Hanafi Von Hahn • Darin Wagner • Roman Wasylechko • George Werniuk • David L. Wetmore • Ben Whiting • William R. Wilson • Donald Worth • Ray Zalnieriunas

In-Kind Contributors

Carmeuse Lime and Stone • Caspian Jewellery • Corbrook Industries • Cosmolane Inc. • David Rudkin • Royal Ontario Museum • George Kosmopolous • Glencore • Hanson Brick • Hatch Ltd. • High Fashion Handbags • Holcim, Acton Quarry • IBK Capital Corp. • Jan Krutzelmann • Lisa Murray • Mineralogy and Mining Museum of Thetford Mines • Mining Association of Canada • Ministry of Northern Development and Mines • Momofuku Toronto • R. T. Boyd Ltd. • Ron Ellis • RPA Inc. • Sandvik Canada Inc. • Silver Birch Centre • Stornoway Diamond Corporation • Teck • The De Beers Group of Companies • The Keg Steakhouse + Bar



Mineral Discovery Activity, SNC-Lavalin Mining Rocks Earth Science Program Muskowekwan FN, SK, May 2015

Contributions were received in fiscal 2014–2015. Every effort has been made to ensure the accuracy of this list. If an error or omission has been made, please accept our sincere apologies and contact us to correct.

Invest in Mineral Resources Education

Mining Matters delivers exceptional Earth science education and brings knowledge and awareness about Canada's geology, mineral resources and the mining industry to students, educators and the public. We are grateful for the contributions of many loyal supporters that have made our goals a reality.

Your donation does make a difference! It provides the foundation for our important work and is critical to our ongoing vision of bringing Earth science to life. As a charitable organization, **Mining Matters** program development and delivery are made possible only through the financial sponsorship, donations and in-kind contributions of the mineral and aggregate industries, individuals, foundations, corporations and government.

We are asking for your support, so that we may continue to provide current information about the importance of rocks, minerals, metals and mining in everyday life and the diverse career opportunities available in the minerals industry to students, educators and the public.

An official charitable receipt will be issued for contributions \$25 and greater. For more information or to donate, please contact frasergrand@miningmatters.ca or call 416-863-6463 ext. 334.

Donating Shares

Donating shares to **Mining Matters** may be of interest due to the considerable tax benefits that can be realized. The elimination of capital gains on stocks, bonds and mutual funds means that a contribution results in a tax receipt equal to the fair market value of your gift. Rather than being subject to tax on 50% of the gains for shares sold during your lifetime, accrued capital gains on donated shares are exempt from taxes. In effect, the tax benefit arising from your gift is superior to making cash donations. The donation of flow through shares can produce even greater benefit, as a deduction is offered at the time of purchase and a tax credit is generated when the shares are gifted. However, rules apply to the amount of the exemption for capital gains.

Donating Cash

For individuals who have not donated previously to charities, there is the First Time Donor's Super Credit (FDSC). This applies to cash donations and not contributing shares. The FDSC supplements the charitable Donation Tax Credit (CDTC) with an additional 25% tax credit for a first-time donor on up to \$1,000 of cash donations. Accordingly, a first-time donor is entitled to a 40% federal credit for donations of \$200 or less and a 54% federal credit for the portion of donations over \$200 but not exceeding \$1,000. There are also provincial tax credits, which vary across provinces. For example, in Ontario, combined tax credits give a \$611 tax credit for every \$1,000 donated and in Québec, \$744. Individuals will be considered a "first time" donor if neither the taxpayer nor their spouse or common law partner has claimed the Charitable Donation Tax Credit in any of the five preceding tax years. For example, if the FDSC is claimed in 2015 then the individual cannot have claimed a charitable donation tax credit in any of 2010 to 2014.

To learn more, contact Edward Thompson at 416-366-6083 or egt@interlog.com, or Durham Sims, **Mining Matters** Investment Advisor at RBC Dominion Securities at 416-842-3086, 800-561-4468 or durham.sims@rbc.com. Both Mr. Thompson and Mr. Sims serve in a volunteer capacity.

Making Connections with Mining Matters

Each year mining industry professionals come together to make and renew acquaintances, network and have fun, all for charity at **Mining Matters** two great fundraising events. Why not get involved in 2016?

To mark the start of the PDAC Convention, step on the ice at the **Mining Matters Hockey Tournament**, March 5, 2016 for a full day of competitive hockey. If hockey is not your sport; then tee off June 16, 2016 at the **Mining Matters Diamond in the Rough Golf Classic**.

While each event requires different skills and abilities, both provide an opportunity for participants to support a great cause, while enjoying a day with friends and associates in the mining industry.

Save the dates and plan to be part of the fun!



Product Matching Activity, Ring of Fire Mining Rocks Earth Science Program, Aroland FN, ON, October 2014