MABC

MINING ASSOCIATION OF BRITISH COLUMBIA

The Mining Industry In B.C.

Minerals North

April 26, 2017

MABC
MINING ASSOCIATION OF BRITISH COLUMBIA

Mining Association of British Columbia

www.mining.bc.ca

- Voice of mining industry in B.C. since 1901
- MABC represents the collective needs and interests of operating coal, metal and industrial mineral producers and smelters
- **Vision**: Strong and vibrant mining industry for the benefit of all British Columbians
- **Mission**: Provide leadership in public policy development
- Partnerships: Suppliers, Industry Associations, Educational Institutions, Business Affiliates

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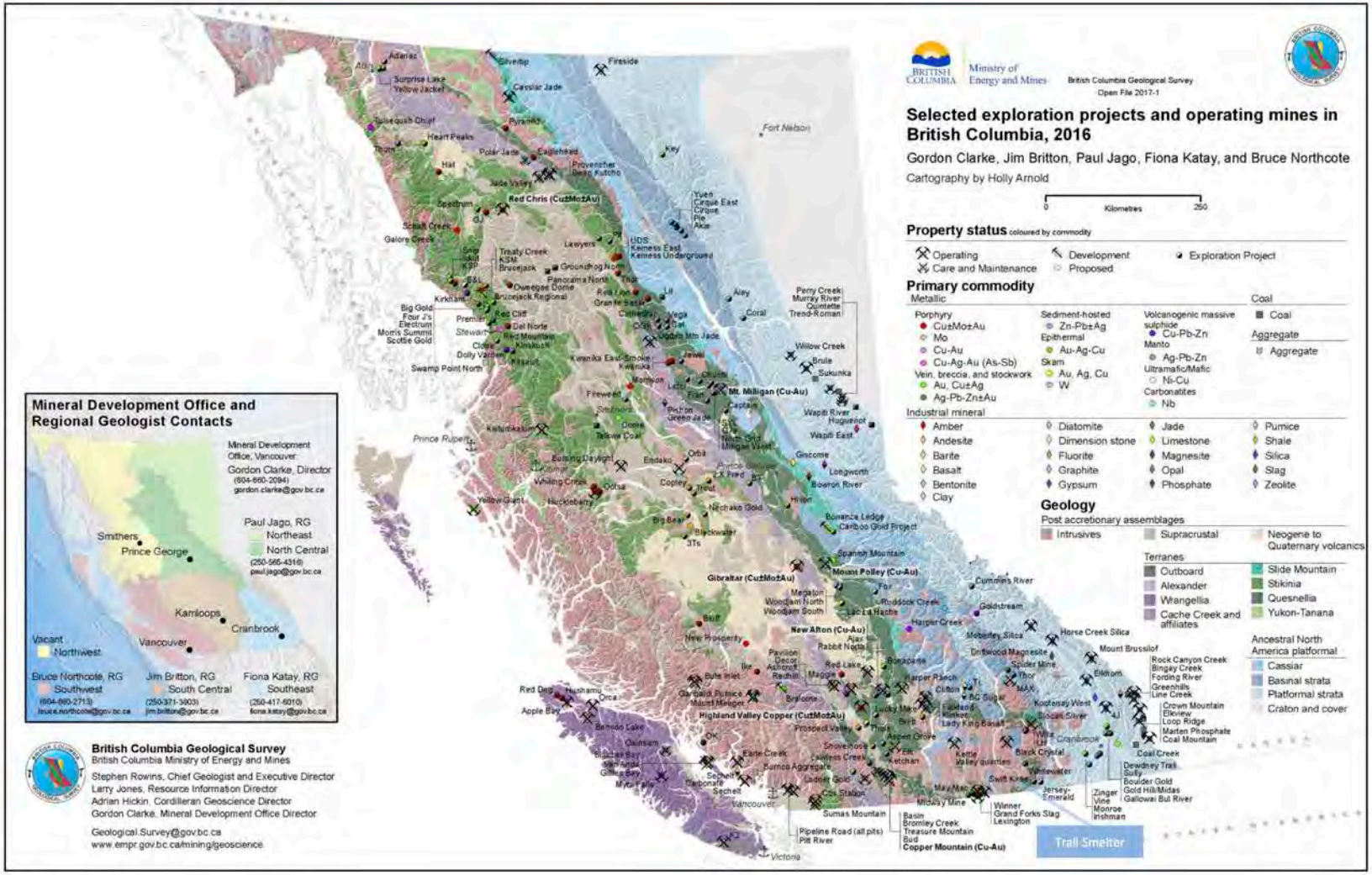
MABC Membership

Copper

- Absorbent Products Ltd.
- Alloycorp Mining
- Anglo American – Peace River Coal
- AuRico Metals
- Avino Silver & Gold
- Barrick Gold Corporation
- CanAus Coal Limited
- Capstone Mining
- Centerra Gold
- CertainTeed Gypsum Canada Inc.
- Conuma Coal Resources
- Copper Fox Metals
- Copper Mountain Mining Corporation
- Eldorado Gold Corp.
- Glencore
- Goldcorp Inc.
- Graymont Limited
- HD Mining International Ltd.
- Hecla Mining
- Highland Valley Copper
- Huckleberry Mines Limited
- Hunter Dickinson Inc (HDI)
- IDM Mining
- Imperial Metals Corporation
- Jameson Resources Limited
- KGHM Ajax Mining Inc.
- Ledcor CMI Ltd.
- Mining Suppliers Association of BC
- New Gold Inc.
- Norman B. Keevil Institute of Mining Engineering (UBC)
- NovaGold Resources
- Nyrstar Myra Falls
- Pretvim Resources
- Seabridge Gold
- Taseko Mines Limited
- Teck Resources
- Texada Quarrying Ltd.
- Western Copper & Gold
- Yellowhead Mining Inc


Ministry of Energy and Mines
British Columbia Geological Survey
Open File 2017-1
Selected exploration projects and operating mines in British Columbia, 2016
Gordon Clarke, Jim Britton, Paul Jago, Fiona Katay, and Bruce Northcote
Cartography by Holly Arnold
0
Kilometres
250
Property status coloured by commodity
Operating
Care and Maintenance
Development
Proposed
Exploration Project
Primary commodity
Metallic
Porphyry
Cu±Mo±Au
Mo
Cu-Au
Cu-Ag-Au (As-Sb)
Vein, breccia, and stockwork
Au, Cu±Ag
Ag-Pb-Zn±Au
Sediment-hosted
Zn-Pb±Ag
Epithermal
Au-Ag-Cu
Skarn
Au, Ag, Cu
W
Volcanogenic massive sulphide
Cu-Pb-Zn
Manto
Ag-Pb-Zn
Ultramafic/Mafic
Ni-Cu
Carbonatites
Nb
Coal
Coal
Aggregate
Aggregate
Industrial mineral
Amber
Andesite
Barite
Basalt
Bentonite
Clay
Diatomite
Dimension stone
Fluorite
Graphite
Gypsum
Jade
Limestone
Magnesite
Opal
Phosphate
Pumice
Shale
Silica
Slag
Zeolite
Geology
Post accretionary assemblages
Intrusives
Supracrustal
Neogene to Quaternary volcanics
Terranes
Outboard
Alexander
Wrangellia
Cache Creek and affiliates
Slide Mountain
Stikinia
Quesnellia
Yukon-Tanana
Ancestral North America platformal
Cassiar
Basinal strata
Platformal strata
Craton and cover
Mineral Development Office and Regional Geologist Contacts
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Kamloops
Cranbrook
Vancouver
Vacant
Northwest
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British Columbia Ministry of Energy and Mines
Stephen Rowins, Chief Geologist and Executive Director
Larry Jones, Resource Information Director
Adrian Hickin, Cordilleran Geoscience Director
Gordon Clarke, Mineral Development Office Director
Geological.Survey@gov.bc.ca
www.empr.gov.bc.ca/mining/geoscience
Trail Smelter

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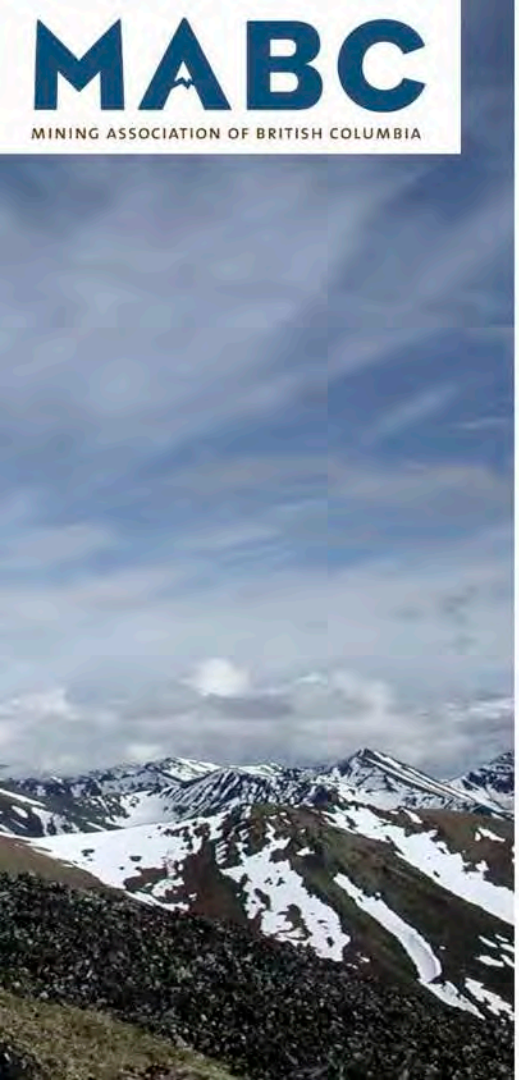

B.C. Mining: The Numbers

Statistical summary

($CAD millions, except where otherwise noted)

	2015	2014	2013
Gross mining revenues	7,724	8,238	8,537
Net mining revenues [1]	6,289	6,760	7,008
Net income (pre-tax)	715	288	1,387
Cash flow from operations	1,660	1,685	2,568
Payments to governments [2]	476	467	511
Exploration and development expenditures	320	234	185
Capital expenditures	1,240	1,503	1,785
Pre-tax return on shareholders' investment (%)	6	2	13
Direct employment (number of employees)	8,726	9,954	10,720
New capital raised [3]	705	1,207	221

Notes

1. Net mining revenues are reported after deduction of smelting and refining charges, freight costs, and marketing.
2. Includes direct taxes, other levies and payments related to employment.
3. Excludes capital raised by parent companies not directly related to projects in BC.

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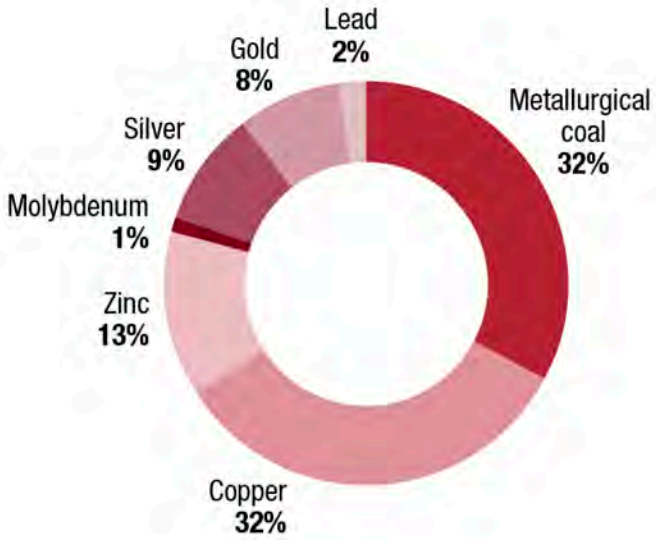
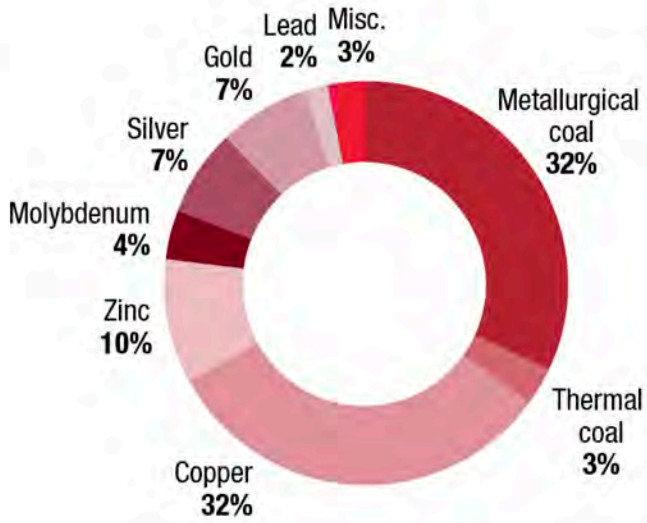
Net revenue by product **2015**



Net revenue by product **2014**



PwC Report 'Looking Forward: The mining industry in British Columbia 2015'

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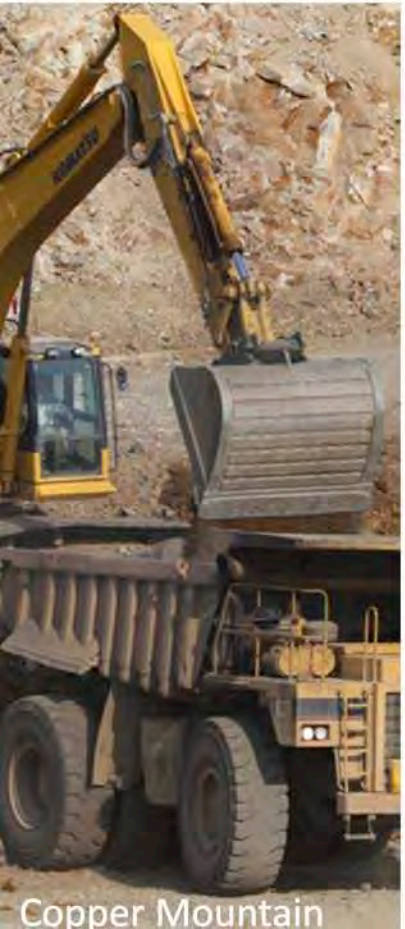
Copper: 5 Year Spot Price


Copper Mountain

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State of the B.C. Mining Industry

MABC Operations/Projects:

- Currently, 7 mines in care & maintenance
- Significant cost reductions at every operation
- Still various projects go forward – construction, permitting
- Continue strong First Nations and community engagement

Outlook next 12 months:

- Commodity prices stabilizing, still volatile
- B.C. operations continue in cost containment
- Developing projects will continue into construction

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B.C. Mining: Priorities & Opportunities

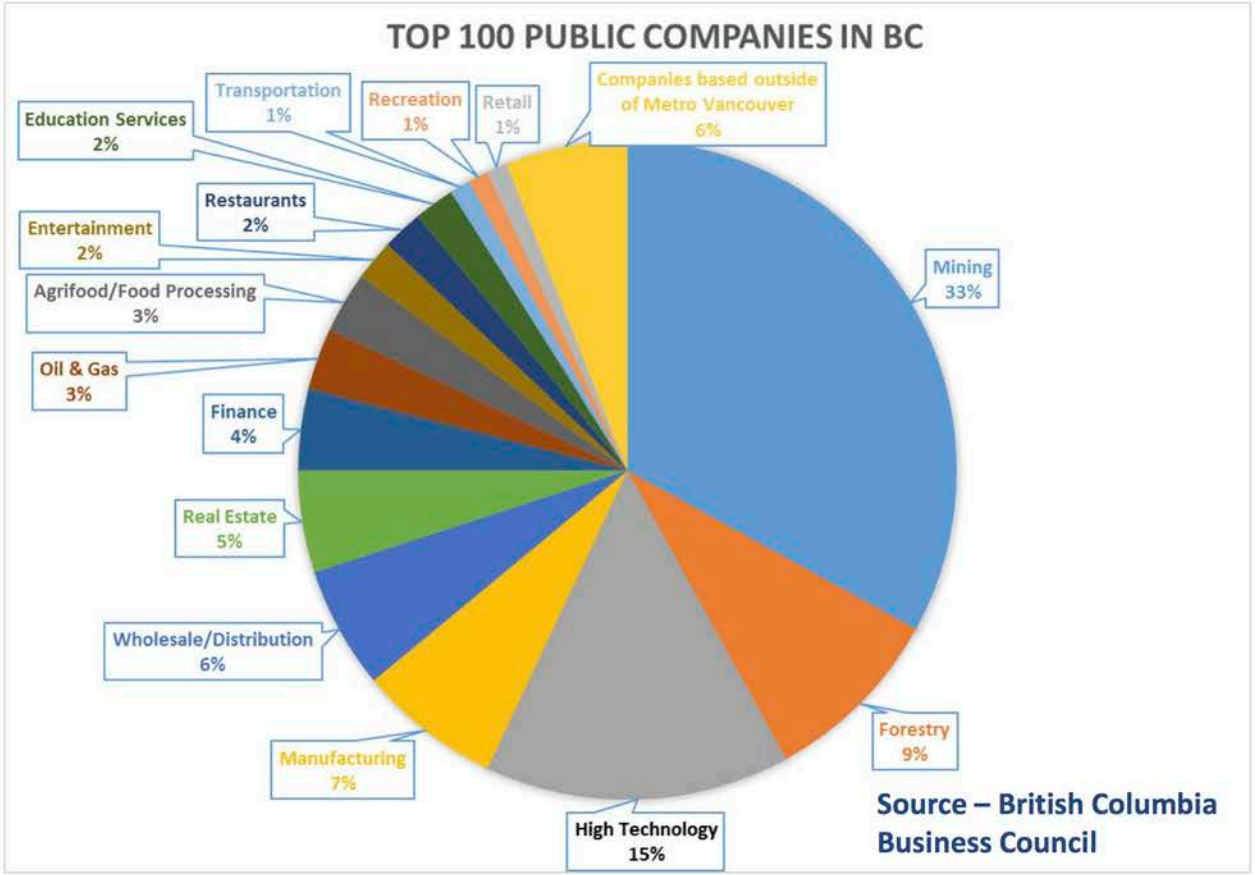
Priorities:

- Competitiveness
  - Fiscal regime – taxation and fees as a whole
    - PST on Electricity
    - PST on machinery and equipment
    - Carbon Tax Policies
  - Productivity – align systems and processes to new technologies

- Enhanced confidence in our sector
  - Relationships First Nations, communities and general public
  - Commitment to transparency and accountability
  - Commitment to environmental stewardship

- Regulatory framework
  - Predictability, effectiveness and accountability in decision-making
  - Standards and best practices
  - Intergovernmental coordination and communication

B.C. Mining: Contributions to B.C. Economy



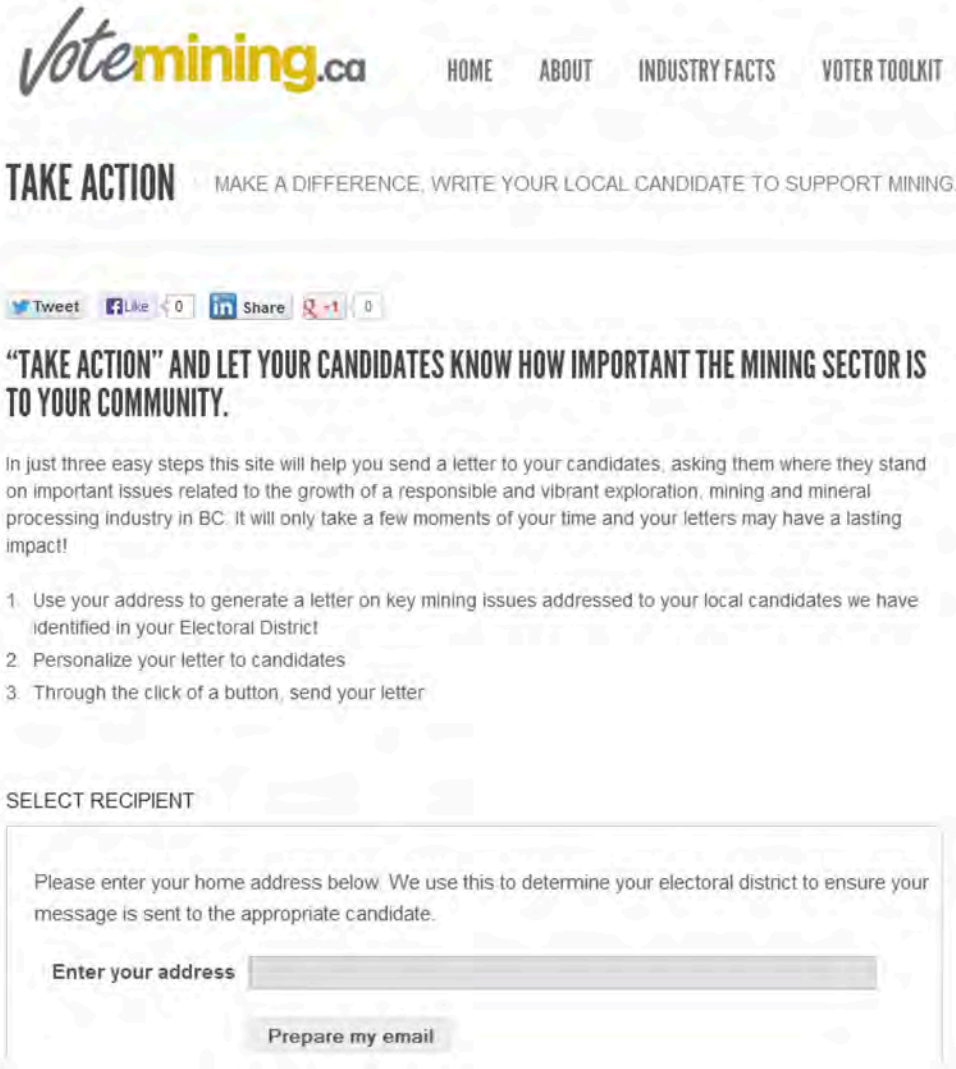
votemining.ca

In 3 easy steps and in 2 minutes:

1. Visit: www.votemining.ca

2. Enter your postal code & click “Prepare my email”

3. Enter your name & email and click “send”!



"Take Action" today!

Send a letter to let your candidates know how important the mining sector is to your community.

Ask where they stand on important issues related to the growth of a responsible and vibrant exploration and mining industry in BC.

Mining Week 2017

- Theme: “Mining Builds Communities”
- Dates: Sunday May 14-Saturday May 20
- Communities Include: Sparwood, Princeton, Kamloops, PG, Smithers, Britannia – www.miningweek.ca
- Key Vancouver Events:
  - Mon, May 15: Mining Week Kick-Off & Mining Person of the Year Award Reception
  - Tues, May 16: Release PwC Survey of BC Mines & Vancouver Board of Trade Luncheon
  - Wed, May 17: Mining Week Community Fair & Women in Mining Reception
  - Thurs, May 18: Teck Celebrity Pie Throw

Mining Week 2017

Date	Event
Sat, May 6	KEG Community Fair, **Kamloops**
May 15-19	Elk Valley Mine Tours, **Sparwood**
Mon, May 15	Mining Week Kick-Off and Mining Person of the Year Award Reception
Tues, May 16	PwC Release of Annual Survey of BC Mines 2016 Vancouver Board of Trade Luncheon – Keynote Princeton Mining Days, **Princeton**
Wed, May 17	Mining Week Community Fair, **Vancouver** Sparwood Business Luncheon**, Sparwood** Prince George Business Luncheon, **Prince George**
Thurs, May 18	Teck Celebrity Pie Throw, **Vancouver**
Fri, May 19	Kamloops Business Luncheon**, Kamloops**
Sat, May 20	Family Fun Day Britannia Mine Museum, **Britannia**

What is Mining for Miracles?

BC Mining Industry's charity of choice supporting BC Children's Hospital

Raised more than **$26 million** for BC Children and their families since 1988

Funds raised by Mining for Miracles support specific initiatives that improve care at the hospital

MINING FOR MIRACLES | In support of BC Children's Hospital

What We Support

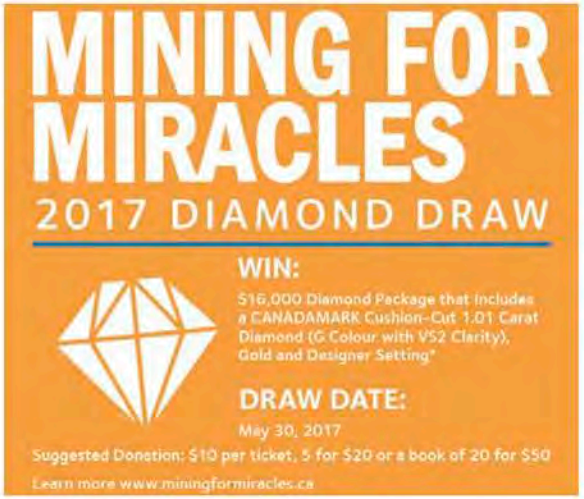
Mining for Miracles will raise **$2.8 million** to support the development of the TRAnsplantation & CEll Therapy (TRACE) program in 2017 and 2018.

The TRACE Program will using a child's own cells to prevent rejection of organ transplants, kill cancer cells and fight infection.

MINING FOR MIRACLES | In support of BC Children's Hospital

DIAMOND DRAW

- Chance to win a diamond package valued at over $16,000
- Includes CANADAMARK Cushion cut 1.01 carat diamond in a gold designer setting
- Draw date May 30, 2017



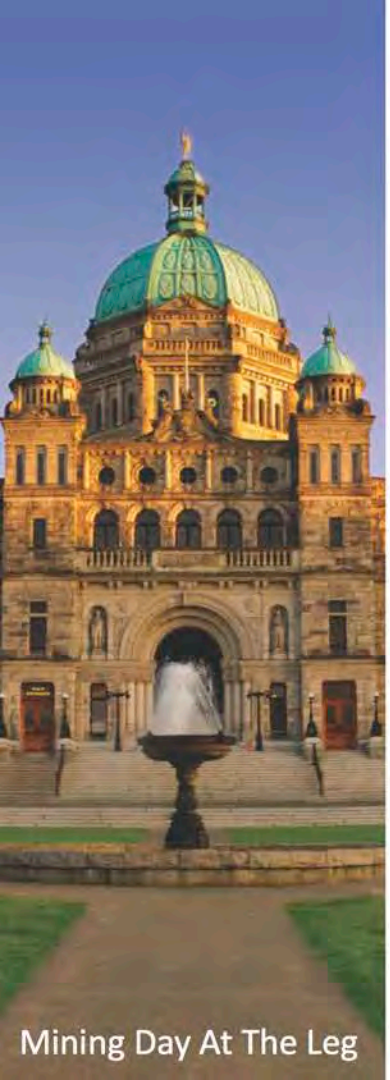
Teck

C3 ALLIANCE CORP
Community, Commitment, Cooperation

COSTEN CATBALUE GOLDSMITHS + DESIGN

MINING FOR MIRACLES

In support of BC Children's Hospital



Mining Day At The Leg

Bryan Cox,

Vice-President, Corporate Affairs

Mining Association of B.C.