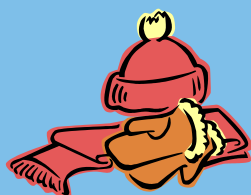


Teachers' Winter 2007 Update

Mineral Resources Education Program of British Columbia

WINTER 2007

**ROCKS,
MINERALS,
MINING &
GEOSCIENCE
IN THE
CLASSROOM**



LIBRARIANS!

Please post,
photocopy &
share with
teachers in your
school.
Thank-you.



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Happy New Year!!

We at the Mineral Resources Education Program of BC wish you a happy New Year and hope you had an opportunity to enjoy the company of friends and family - or maybe indulge in some peace and quiet - over the holiday break.



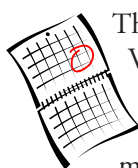
MINERAL MANIA! NOW AVAILABLE FOR PURCHASE

In early December, we presented Ms. Dale Maingot's grade 5 class at Sacred Heart School in Delta with the very first copies of their book, *Mineral Mania!* Dale's students took on the challenge of writing the book as a language arts activity that complemented their extensive mining unit and participation in *Roundup 2006*. At the presentation, the student-authors took turns reading the story aloud to a gymnasium full of excited schoolmates and parents. *Mineral Mania!* is now available for purchase through the MREPBC. Order copies for your school, library or classroom on page 4.



Ms. Dale Maingot with her students and their art instructor, Mrs. Jennifer Hopson, holding copies of their published story.

MINERAL EXPLORATION ROUNDUP 2007 IS JUST AROUND THE CORNER



The *Mineral Exploration Roundup 2007* conference will be held at the Westin Bayshore in Vancouver again at the end of January. If you have an interest in attending *Teachers' Day* for your own professional development or would like to send your secondary students along to learn about the variety of careers in the minerals industry, you can find out more in the enclosed insert or download www.bcminerals.ca/pdf/Roundup07.pdf.

ENTER THE BC MINING CLASS OF THE YEAR POSTER COMPETITION

It's not too late to enter your class into the *BC Mining Class of the Year 2007* Poster Competition. The theme this year is *Mineral Resources Conservation*. The deadline to enter is February 2, with submissions due April 16. For more details, please see the enclosed insert or download www.bcminerals.ca/pdf/MCYr2007.pdf.



NOW FEATURING "NEWS AND NOTABLES"



To help you keep your mining unit up-to-date, we've included a section called "*News and Notables*" on Page 4, so that you can incorporate current events into your lessons.

We will include this feature in future *Teachers' Updates* as space permits. We hope you find the information useful in gaining a broader understanding of the current minerals industry.



WE'VE MOVED AGAIN!

The Mineral Resources Education Program of BC moved to a new office effective Monday, September 25th, 2006. Our new address is: Suite 900 - 808 West Hastings Street, Vancouver BC V6C 2X4. Our telephone number, extensions and email addresses remain the same.



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Resources for Teachers

OKANAGAN BASIN WATERSCAPE NOW AVAILABLE!

The Geological Survey of Canada (GSC) has added the *Okanagan Basin Waterscape* to its colourful and informative poster series. Panels from the poster can be viewed online at: http://geoscape.nrcan.gc.ca/h2o/okanagan/index_e.php. Teachers may enquire about picking up a *free* copy of this or other poster resources from the GSC Bookstore Vancouver: 604-666-0529. To view more than 18 currently available *Geoscape* and *Waterscape* posters, visit: http://geoscape.nrcan.gc.ca/index_e.php.



MREPBC VIDEOS NOW AVAILABLE ON DVD!

The MREPBC is now offering select videos on DVD, including *Careers in the Minerals Industry*, *Digging for Answers*, *MREPBC Video Compilation*, and the *Mineral Resources Development Industry-Produced Video Compilation*. These DVD productions may be ordered on Page 4. For complete descriptions of all the available MREPBC videos and other materials, please download our Resources Catalogue at www.bcminerals.ca/pdf/Resources_Catalogue.pdf.

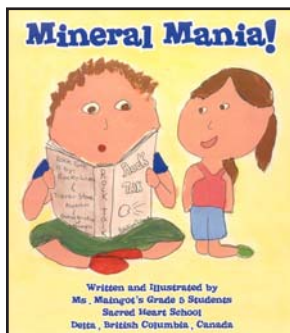


ATLAS OF CANADA 100TH ANNIVERSARY MAP SERIES

In honour of the 100th Anniversary of the *Atlas of Canada*, Natural Resources Canada released a special series of maps in 2006. The maps explore a range of geographical themes on Canada's economy, environment, history, natural resources and population. View, download and print them at http://atlas.nrcan.gc.ca/site/english/maps/reference/anniversary_maps.



MREPBC EXCLUSIVE: MINERAL MANIA!



Mineral Mania! is the delightful story of two young beachcombers-cum-rockhounds written and illustrated by grade 5 students at Sacred Heart School in Delta. It follows Nick and Megan through their journey identifying an unknown mineral through their research and mineral property tests, introducing vocabulary along the way. It is available to order exclusively from the MREPBC for

Mineral Mania! Nick and Megan's journey to discover the identity of their special find.

\$10.00 including taxes and shipping. Royalties from the purchase price of the book go towards Sacred Heart's literacy program. An excerpt from the story is available at: www.bcminerals.ca/files/teacher_resources/000275.php. To place your order, see page 4.

FREE POSTERS AND BOOKMARKS FOR TEACHERS!

The MREPBC's current *Mining in BC* poster and class sets of the *Mining in BC* bookmarks are provided to BC teachers *free of charge*. The MREPBC is also providing free copies of the Mineralogical Association of Canada's excellent *Minerals of Canada* poster to teachers for use in their classrooms. To order these resources, please see Page 4. You may also download supplementary resources and activities on *Industrial Minerals in BC* for your mining unit, or a PDF version of the *Mining in BC* poster, at www.bcminerals.ca/files/teacher_resources/000244.php.



New On www.bcminerals.ca!



CAREERS IN THE MINERALS INDUSTRY SECTION

The BC minerals industry, like many others, is potentially facing a human resources crunch in the near future without the addition of new skilled workers. At the same time, teachers and career educators are trying to help their students investigate the multitude of career options that exist for them after highschool or post-secondary education.

To facilitate the discussion of minerals industry

careers, we have added a new section to our Web site called *Careers in the Minerals Industry*. This section, which will continue to expand over time, will be a hub for students and teachers looking for information on careers in the minerals industry, including:

- ♦ an introduction to the mineral resources development cycle;
- ♦ information and statistics on the minerals industry in British Columbia;
- ♦ streaming version of the *Careers in the Minerals Industry* video with supplementary downloadable teachers' careers guide;
- ♦ *Investigating Careers in the Minerals Industry* activity to support the Graduation Portfolio; and,
- ♦ Web links and other resources.



Workshops, Conferences, and Field Trips

WINTER 2007

For information on these and other upcoming workshops and conferences, visit **Workshops and Field Trips** at: www.bcminerals.ca or contact the MREPBC office.

Special \$25
15th Anniversary
Registration Fee
(reg. \$50.00)

SPECIAL LOWER WORKSHOP FEES CONTINUE!

We are still celebrating our 15th anniversary with special \$25.00 registration fees for all of our workshops. If our workshops are not yet planned for your area, you can find out how your district, teachers' association or school can host a workshop by calling Kevin at 604-681-4321 ext. 108.

K-3, GR. 5 AND ESci11/GEOL12 WORKSHOPS IN CHILLIWACK - FEB. 16



Grade 5 Integrated Resource Unit on Mining kit.

MREPBC workshops for *K-3 Kids and Rocks: Geology and its Impact on Our World*, *Grade 5 Integrated Resource Unit on Mining* and the *Earth Science 11/Geology 12 "Resources and Ideas"* will be offered as part of the Chilliwack School District's Pro-D conference on February 16, 2007. Out-of-district teachers are welcome to register for the conference at a cost of \$85 (includes the workshop registration fee.) To register, look under *Staff Info - Pro-D Opportunities* at www.sd33.bc.ca.

K-3 AND GR. 5 WORKSHOPS IN BURNABY - FEB. 23

MREPBC workshops for *K-3 Kids and Rocks: Geology and its Impact on Our World* and the *Grade 5 Integrated Resource Unit on Mining* will be offered at Moscrop Secondary School as part of the Burnaby School District's Pro-D day on February 23, 2007. Teachers from outside districts are welcome to attend, space permitting. For more information or to register, contact the Schou Centre at 604-664-8416.

K-3, GR. 5 AND ESci11/GEOL12 WORKSHOPS IN PRINCE GEORGE - MAR. 2

MREPBC workshops for *K-3 Kids and Rocks: Geology and its Impact on Our World*, *Grade 5 Integrated Resource Unit on Mining*, and *Earth Science 11/Geology 12 "Resources and Ideas"* will be offered at Prince George Senior Secondary as part of the North Central Zone Conference in Prince George on March 2, 2007. Teachers from outside districts are welcome to attend. For details or to register, visit www.bctf.ca/locals/Local57/ or email dvandal@sd57.bc.ca.



KEG COMMUNITY LECTURE SERIES - JAN. - APR.



Hosted by the Kamloops Exploration Group (KEG), this *free* lecture series is designed to improve the general public's understanding of Earth Sciences and mineral exploration. Held in the evening in Kamloops, they are a great opportunity to meet with local explorationists and find answers to your questions about rocks, minerals, and fossils. For information contact Ron Wells at 250-828-2585 or visit: www.keg.bc.ca/Lecture.html.

BC GEM SHOW: MINERALS OF THE PACIFIC RIM - APR. 13-15

Central Fraser Valley Fairgrounds, Abbotsford. Admittance to the show is *free* on Friday from 10:00am-4:00pm to all school students accompanied by a teacher and chaperoning adults. To book your class visit, contact Donnamae Chionis at rocklady@shaw.ca or 604-277-3222. Web site: www.lapidary.bc.ca/gemshow.html.



KAMLOOPS EXPLORATION GROUP (KEG) CONFERENCE

April 3-4. Kamloops, BC. For details as they are posted, visit www.keg.bc.ca.

MINERALS NORTH CONFERENCE

April 17-19. Terrace, BC. For details as they are posted, visit: www.mineralsnorth.ca.

Field Trip Destinations

BC MUSEUM OF MINING



Britannia Beach, BC.
Contact: Rory at 1-800-896-4044 ext. 226. Web site: www.bcmuseumofmining.org.

SFU EARTH SCIENCES LAB

Located at Simon Fraser University, Burnaby, BC. Open Monday and Friday only. For bookings contact: Ms. Robbie Dunlop at rdunlop@sfu.ca.

GOLD PANNING IN CLASS!

Teaching about mining or the Cariboo gold rush? Dan Moore (Yukon Dan) brings a fun, educational workshop to the classroom - great for students of all ages. Phone Dan at 604-948-4941.



PACIFIC MUSEUM OF THE EARTH

6339 Stores Road, University of BC, Vancouver, BC. Contact: (604) 822-6992. Web site: www.eos.ubc.ca/public/museum/main.html.

FINNING FULL SERVICE TRUCK CENTRE, KAMLOOPS

Finning supplies LARGE mining equipment to operations in central BC. Students learning about mining are welcome to see the equipment close-up and learn how it is assembled and maintained. Contact Jim Harrison or Cam Hergott: 250-372-9552.



THE EXPLORATION PLACE

Located in Prince George, it features on-site and virtual exhibitions on topics including Earth Science. For a teachers' guide or bookings, call 250-562-1612 or visit www.theexplorationplace.com.

MREPBC Travel Subsidies

\$150.00 field trip travel subsidies are available to teachers to help offset the costs of taking classes to mining or geoscience destinations or booking Yukon Dan's gold panning workshop at your school. Download the application form at: www.bcminerals.ca/pdf/FTripSubsidy.pdf.



News and Notables

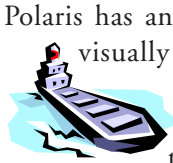
Materials Orders

POLARIS MINERALS RECEIVES SUSTAINABILITY AWARD



Polaris Minerals Corporation, a Vancouver-based company with a new aggregate quarry west of Port McNeill going into production in early 2007, was awarded the *2006 Mining and Sustainability Award* by the Mining Association of BC and the BC Ministry of Energy, Mines and Petroleum Resources. The award recognizes excellence in business development, environmental stewardship and corporate social responsibility.

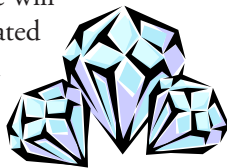
Polaris has an excellent five minute video clip that visually maps out plans for its aggregate quarries on Vancouver Island, showing how the aggregate will be transported via ship to customers in California.



View it at: www.polarmin.com/orcasand/video.php.

SNAP LAKE, CANADA'S NEXT DIAMOND MINE

The fourth diamond mine to come online will be DeBeers Canada's *Snap Lake Project* located 220 km northeast of Yellowknife. In contrast to the other two operations in the Northwest Territories, this diamond-bearing kimberlite is in a shallow-dipping *dyke* about 2.5 m thick that will be mined entirely underground.



Snap Lake is in a very remote location, accessible by ice road for 6-8 weeks in the winter, and by air for the rest of the year. This deposit, first discovered in 2000, is scheduled to begin operation in early 2007. For more information and a timeline of this project development visit

www.debeerscanada.com/files_2/snap_lake/factsheet.html.

Careers in the Minerals Industry is a MREPBC produced video (1996) that addresses career opportunities in the industry. It shows people in a wide variety of occupations that are involved in all aspects of mine development and operation, in corporate head offices, and in the mining supply and service sectors. The companion material for the video with information on careers, training and earning for secondary level students is now available in print format, or as a *free* download in the new *Careers* section of www.bcminerals.ca.

DVD

DVD & Printed companion resource



\$20.00

\$30.00



The *MREPBC Video Compilation* includes all of the MREPBC 's current video productions: *Careers in the Minerals Industry*, *Digging for Answers*, *Rocks and Dirt Just Aren't My Thing... Or Are They?* and *Mining Technology: A Natural Sciences and Engineering Technology Diploma*

Program at BCIT. It is available in DVD and VHS formats.

DVD

VHS

\$45.00

The *Mineral Resources Development Industry-Produced Video Compilation* includes seven industry videos: *Search for a Hidden Resource*, (mineral exploration), *A Temporary Use of the Land* (open pit mining at the Highland Valley Copper Mine), *Beneath the Surface* (Myra Falls underground zinc/copper mine), *Zinc the Great Protector* (uncovers everything about zinc that you may not have known before), *Quinsam Coal* (underground coal mining operation on Vancouver Island), and *Elk Valley Coal* (collective of coal mines in Southeastern BC).

DVD

VHS

\$45.00

MINERAL MANIA!

____ Quantity @ \$10.00 ea., including taxes and shipping.

FREE! MREPBC RESOURCES FOR TEACHERS

Please send me:

a *free* copy of the *Mining in BC* poster.

a *free* copy of the *Minerals of Canada* poster.

free *Mining in BC* bookmarks _____ copies



Send the completed **Contact Information** below with payment (if applicable) to:

Mineral Resources Education Program of BC, 900 - 808 West Hastings Street, Vancouver, BC V6C 2X4

Tel: 604-681-4321 ext 108/115 Fax: 604-681-5305

Payment or Purchase Order must accompany materials orders. Please make cheque or money order payable to MREPBC.

Registration/Contact Information

Name: _____ Email: _____

School Name: _____

Grade Level: _____ Subjects Taught: _____

Address (School or Home): _____

City: _____ Postal Code: _____

Phone: _____ Fax: _____