

Nova Scotia

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**NOVA SCOTIA**  
Natural Resources

## Mining Matters 2009 to Focus on Sustainability

### What Is It?

The Mineral Resources Branch of DNR will host its annual conference at the Westin Hotel on November 16 and 17.

### Who Should Attend?

Interested members of the public, teachers and students, industry liaison offices, professional associations, non-government organizations, academics in research and development, and federal, provincial, municipal and First Nations representatives.

### Why Attend?

Three quotes come to mind when describing the theme for Mining Matters 2009:

- "If it can't be grown it has to be mined." - unknown;
- "Treat the Earth well. It was not given to you by your parents. It was loaned to you by your children." - Kenyan proverb; and
- "Good behavior can not be forced by legislation. It must be nurtured and encouraged and good examples must be displayed." - Jon Baird.

Everything we have comes from natural resources, and the mining industry of Nova Scotia plays a pivotal role in the economic independence and sustainability of the province. Any discussion of sustainability must acknowledge that society de-



*Nova Scotia prospectors demonstrate how to pan for gold.*

mands housing, roads, communications and many other foundations of modern life, and that natural resources are necessary to meet those demands.

This year the Nova Scotia Department of Natural Resources (DNR), the Mining Association of Nova Scotia, the Mining Society of Nova Scotia and the Nova Scotia Prospectors Association will co-host the annual Mining Matters conference around the theme *Towards a Sustainable Mining Industry*. The conference will be held on November 16 and 17 at the Westin Hotel in Halifax. Exhibits by representatives of government, non-government organizations, academics and industry will be displayed in the Westin's Commonwealth Ballroom. Industry will be represented by local, national and international mining and mineral exploration companies. In addition to the exhibits there will be two full-day sessions of oral presentations, all free of charge to the general public.

On Monday, November 16, guest speakers will highlight the sustainable development of natural resources, DNR's Natural Resources Strategy, new technologies, integrating mineral values in land-use planning, reclamation, environment, consultation with Aboriginal communities and much more. There will be a lunch presentation on the same day by Dennis Jones, Director of the Prospectors and Developers Association of Canada (PDAC) and chair of the association's Corporate Social Responsibility Committee. Mr. Jones will speak about the PDAC's 'e3 Plus' initiative, which is a framework for responsible exploration.

The afternoon session will be followed by a panel discussion on *Sustainability and the Nova Scotia Mining Industry*, moderated by well-known broadcaster George Jordan. The five-member panel discussion will include open dialogue between representatives from industry, government, non-government organizations and the Aboriginal community. The panel will discuss environmental protection, occupational health and safety, community development, stakeholder engagement, reclamation, economic impacts, transparency, ethical conduct, due diligence and more.

A Minister's Reception will follow

the day's technical presentations. The Honourable John MacDonell, Minister of Natural Resources, will welcome delegates to his first Mining Matters conference. Awards will be presented during the reception, including the Prospector of the Year Award and the Terrence Coughlan Memorial Award for outstanding contribution to the development of industrial minerals in Nova Scotia.

The Industry Investment Forum will be the focus of the conference on November 17. Peter Oram, President of the Mining Association of Nova Scotia (MANS), will welcome attendees and provide *A Viewpoint of the Nova Scotia Mining Industry from MANS*. This full day of company presentations will highlight exciting investment opportunities for a variety of mineral commodities and properties, as well as exploration and mining programs, community development initiatives, and responsible corporate and social activities.

During the Industry Day luncheon, Josh DeCoste of Lafarge Canada and

Wade Lewis of Ducks Unlimited will discuss how the two organizations have worked closely since 2003 to conserve wetlands and related habitats on Lafarge-owned lands. The partnership works closely with local communities on wetland restoration projects and recently celebrated the official opening of the Brookfield Wetlands and Nature Trail.

Mark Ferguson will speak on behalf of the Metals Economic Group. Mark will discuss commodity trends and the 20<sup>th</sup> edition of the mining industry's benchmark exploration study, *Corporate Exploration Strategies*. The recently released (October 2009) study details a 45% decline in exploration budgets from 2008 to 2009. The conference will conclude with an industry reception for all delegates.

The Mineral Resources Branch invites you to attend Mining Matters 2009 and learn about this important foundation industry, and how the mineral sector is addressing current challenges, especially sustainability.

Diane Webber

## DNR Geologists Learn from an Expert



DNR geologists posed in front of this impressive fold in rocks of the Horton Bluff Formation at Split Rock on October 9. Dr. John Waldron (far right), from the University of Alberta, led us there to explain the structural geology of this spectacular section on the coast of Minas Basin. Coastal exposures like this allow geologists to better interpret the subsurface data they can obtain through drilling and seismic surveys. The dog was local, and simply joined us for a walk.

# Erdene Takes a Strategic Approach

With headquarters in Dartmouth, Nova Scotia, Erdene Resource Development (ERD-TSX) is focused on strategically located projects in regions including the east coast of North America. Emphasis is being placed on commodities that have strong, long-term market fundamentals, with a concentration on coal, molybdenum, copper and industrial minerals.

With its combination of deep, ice-free waters adjacent to the busiest marine highways in the Atlantic, together with its high-energy coal and high-quality construction aggregate, Nova Scotia offers a significant competitive advantage for ocean freight shipments of these commodities to the United States and Europe. Erdene is active on two bulk commodity projects in the province: the Donkin coal project and the evaluation of construction aggregate opportunities.

Erdene's Donkin Coal Project in Cape Breton, a joint venture between Erdene and Xstrata Coal, is among the more advanced of the company's current projects. The Donkin site has received over \$140M in investment, most recently through feasibility studies, and has undergone a tunnel dewatering and refurbishing program. With over 200M tonnes (t) of high-energy coal located within 35 km of a deep water port, Donkin is considered unique in the global coal industry. A two-phase development plan includes continuous miner (CM) production followed by a full longwall operation. The commencement of this project is currently pending a coal off-take agreement with potential local and overseas customers. The initial phase will utilize a CM system to drive three underground roadways into the Donkin exploration licence area to gain detailed technical information. It is estimated that this initial phase would include two years of evaluation before a final decision is made on whether to advance to the full longwall mine with production forecast at over 4M t per annum.

In regards to construction aggregate, the company has been actively evaluating sites in Nova Scotia since 2005 and is now moving forward with advanced technical evaluations and marketing stud-

ies on a site which it believes is amongst the most viable in Atlantic Canada. The company's interest in this aggregate project is driven by the supply-demand situation in the United States. US aggregate consumption is approximately 2.4B t per annum, over half of which is crushed stone with the remainder consisting of sand and gravel. This material represents the most valuable, non-fuel resource produced in the United States with a value exceeding \$20B at the quarry. With rapidly depleting local resources near major coastal urban centers on the eastern seaboard of North America creating local supply deficits, imported aggregates are becoming increasingly competitive. Today, there are three quarries in eastern Canada exporting to the United States, and this number is expected to grow. In addition, population growth in the US is strongest in coastal areas of the southeast and southwest. Florida alone is expected to add more than 10M people over the next 40 years; with each new person requiring 9 t of rock, Florida will require another 100M t of material over that period.

In Atlantic Canada, Erdene has been focusing on deep, ice-free loca-

tions with large volume, high-quality resources of granite or limestone. These areas need to be relatively isolated from residential areas but with reasonably accessible utilities. The shorter distance from Nova Scotia to markets, relative to other Atlantic provinces, provides an incentive for development in this province. A quarry constructed for export, of sufficient volume to support the high capital investment, will employ 50 to 100 people directly and create >250 indirect jobs. Assuming aggregate production reaching 5M t per annum, tax dollars generated for the province would exceed \$10M annually.

The company's aggregate division, ERD Aggregate, is exclusively focused on the development of large, high-quality construction aggregate quarries located in the southeastern United States, eastern Canada and the Caribbean. Erdene's principal target markets are the southeastern US and the eastern seaboard of North America (Fig. 1). The company has one property currently under construction in the State of Georgia under a lease-royalty agreement with Ready Mix USA.

Peter Akerley

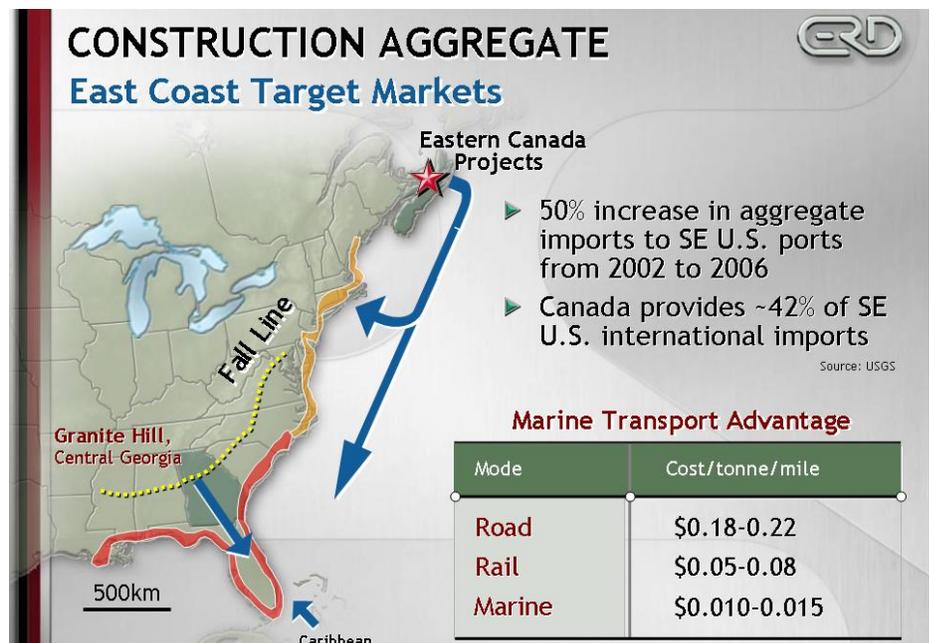


Figure 1. Illustration of Erdene's target markets, and Nova Scotia's shipping advantage.

## 66th Mines Ministers' Conference Held in St. John's, NL

An annual conference for federal, provincial and territorial mines ministers has been held for the past 66 years. For many years this event has been held in conjunction with the annual energy ministers conference. Each Canadian jurisdiction takes its turn hosting the Energy and Mines Ministers' Conference (EMMC) once every 13 years. This year the conference was held in St. John's from August 30 to September 1. The kind hosts from the province of Newfoundland and Labrador provided guests with a memorable and enjoyable conference, complete with local entertainment and cuisine. Nova Scotia was represented by the Hon. John MacDonell, Minister of Natural Resources, and the Hon. Bill Estabrooks, Minister of Energy, along with several senior representatives from each department.

Both the mineral and petroleum industries have faced significant challenges since the 2008 conference, mostly relating to the global economic downturn. A task force of the Intergovernmental Working Group presented the results of a study outlining the effects of the recent economic situation on the Canadian mining industry. Keynote speakers representing industry outlined the challenges and opportunities within their sectors. Other topics included the public image of the mining and oil & gas industries, and the issues of a social licence to operate, corporate social responsibility and regulatory improvement.

Many meetings were held in conjunction with the EMMC. The author was fortunate to participate in a meeting of the National Geological Surveys Committee (NGSC). This group had lively debate about such topics as the role and future of public geoscience in Canada, including options and strategies for securing the necessary funding to conduct geoscience activities across Canada. The NGSC has reached a consensus that the activities of Canadian geological surveys provide essential information for helping meet society's economic, environmental and social needs. The NGSC also held its annual field trip as part of the conference. This year members experienced a



Members of the National Geological Surveys Committee wear felt booties to protect the fossils underfoot at Mistaken Point, NL.

wonderful excursion to the fossil cliffs at Mistaken Point, near Cape Race, which are currently being considered for designation as a UNESCO World Heritage Site. This locale contains beautifully preserved fossils of the first complex multicellular organisms in the geological record.

Each year the Committee of Provincial and Territorial Geologists (CPTG), a sub-set of NGSC, awards a medal to a geoscientist from one of the provincial or territorial geological surveys. The 2009 CPTG Medal was awarded to DNR geoscientist Dr. John H. Calder in recognition of his many contributions during more than 30 years with the Nova Scotia government, including his pivotal role in the recent designation of the Joggins Fossil Cliffs as a UNESCO World Heritage Site (see *Nova Scotia Minerals Update*, v. 25, no. 3). John spoke eloquently about the passion and dedication of geoscientists employed in geological surveys across the country, eliciting a rare standing ovation.

In addition to presentations by several industry CEOs, the Canadian Mineral Industry Federation (CMIF) presented a written brief to the federal,

provincial and territorial mines ministers entitled *Positioning for Future Growth*. Federation members represent the majority of companies engaged in mineral exploration, mining and processing, accounting for most of Canada's production of base and precious metals, uranium, diamonds, metallurgical coal, mined oil sands and industrial minerals. The brief can be viewed at the following link (<http://www.pdac.ca/pdac/misc/pdf/090831-mines-ministers-eng.pdf>).

CMIF members proposed four recommendations to the assembled ministers:

- enhance commitment to the core mandate of natural resource ministers,
- improve Canadian tax/budget incentives,
- invest in human resources, infrastructure and innovation, and
- improve regulatory efficiency and modernize legislation.

The 2009 Energy and Mines Ministers' Conference was a great success. Now it is up to the various federal, provincial and territorial representatives to work on the action plans that were drafted during the conference.

Mike MacDonald

# From the Mineral Inventory Files

## Greenfield Placer Gold: an Orphan Looking for a Home

Gold occurrences that do not readily fit into any particular mineral deposit type (termed 'orphans') have always been of special interest to me. One such orphan occupies the back woods of southeastern Kings County at Greenfield, about 15 km up the Halfway River from Hantsport (Fig. 1). This poor orphan doesn't even have a consistent name: it has also been called the Pencil Brook placer and the Gold Brook placer.

There is very little information on the prospect in DNR's exploration assessment files. The only meaningful report was made by J. R. Hea who, in the 1861 Mines Report, described a visit he made to the site after a friend showed him a sample of gold-bearing sediment supposedly collected there. Hea wrote: "Yesterday I visited the locality, and found that with little labour, and the roughest appliances, gold was really to be had. A dozen or more of persons were at work during parts of the day, washing sand and soil in ordinary tin pans, and there was one regular cradle or rocker on the ground. In order to satisfy myself fully, I collected a panful of the material, and found seven small pieces of gold. I afterwards washed another, and obtained five pieces and during the time I was there, scarcely a panful was washed that did not contain more or less of the precious metal. It is in small particles or scales, similar to that of Lunenburg (the Ovens), but of a lighter colour and probably containing more silver. The largest piece obtained during the three or four hours I was there was found by myself in the second washing, and weighed fourteen grams. The gold is procured by washing the sand or soil overlying the rocky bed, and on breaking apart the rock itself, small particles are found in the crevices, very much as at Lunenburg. The quartz veins in the neighbourhood, and from which the gold doubtless came in the first place, are contained in slates similar to those of Lunenburg, with occasional dykes of igneous rocks, and are of remarkable uniformity in thickness and regularity in direction. It is said that

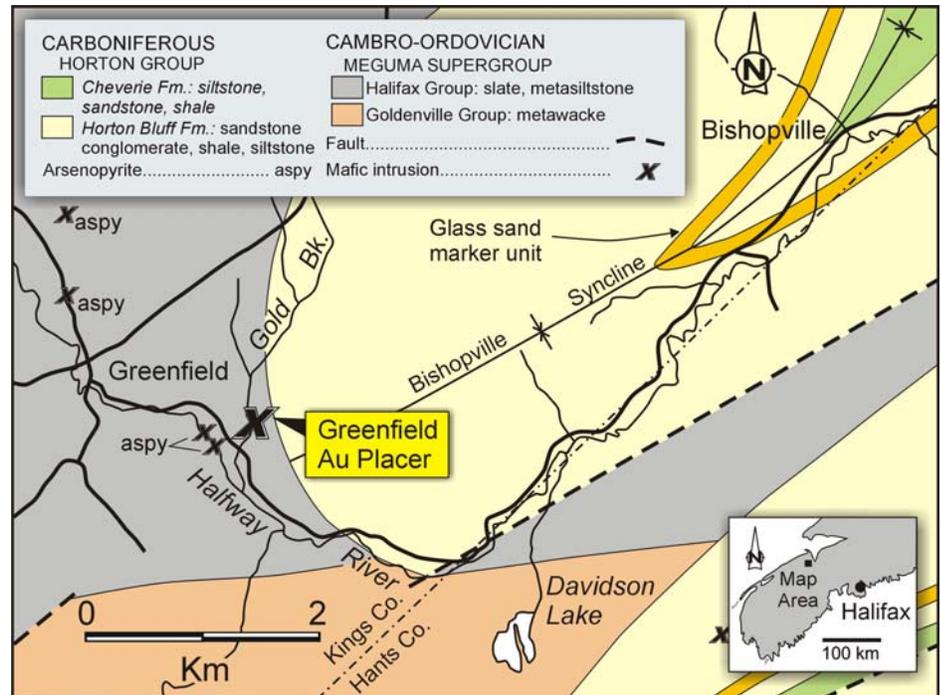


Figure 1. Local geology in the area of the Greenfield gold placer, Kings County.

specimens of gold have been found in the quartz, though I have not seen them. In the immediate vicinity of the washings I found specimens, in loco, of calcareous spar and barite."

Since that time there has been no concerted exploration of the site. In a field check of the occurrence in 1998, colleague Ron Mills and I noted many overgrown trenches and pits along almost 100 m of Gold Brook (Pencil Brook on old maps), starting about 275 m upstream of the bridge. It's obvious that the early work had focused on the glacial drift adjacent to the stream, but also important to note that pyrite-bearing quartz rubble abounds in several of the trenches, along the brook, and along the nearby woods roads. In addition, several bedding-discordant quartz veins intrude the local Halifax Group slate. Although Hea refers to this quartz as auriferous, this has never been confirmed. One thing is certain: there is gold at this site. During the 1998 visit, Mills managed to extract an impressive nugget of gold from a frac-

ture in the slate of the stream bed. Just last month, gold was obtained in a few of the pans during a Nova Scotia Prospectors Association field trip to the prospect (see p. 7).

Two observations particularly caught my eye in 1998. The first was the location of the gold placer activity within a zone of pronounced carbonate alteration associated with one or more small mafic dykes that intrude Halifax Group slate along a northeast-trending crumple or fault. This structure is revealed by a sudden and marked change in bedding orientation from steeply dipping toward the south on one side of the crumple to shallow dipping toward the north on the other. The second is that along strike to the west of the prospect are found two arsenopyrite-bearing mafic intrusions in the Halifax Group along Halfway River (Fig. 1). Only further exploration will determine the nature of this occurrence, and perhaps finally provide this poor orphan with a home.

G. A. O'Reilly

## Barbara MacDonald Retires

Desktop Publishing Technician Barbara MacDonald retired from the Mineral Resources Branch at the end of August 2009. Barbara worked with me on publications since the first day of my job as a geoscience editor with the former Nova Scotia Department of Mines and Energy. In those days we prepared publications with devices known as Micoms (an early word processor of enormous size). For almost the last decade our publications have been fully digital: either online or printed with a digital press. These changes in technology were just part of the job to Barb. As August approached and colleagues asked me what work would be like when Barbara left, I could truthfully tell them that I had no idea.

The Mineral Resources Branch, and I assume this is common in government, leans heavily on the abilities of its clerical staff, often above the requirements of the job description. For 25 years, Barb was simply the most reliable colleague anyone could have, both in attendance and in the quality of her work. Barbara saved me from so many mistakes I could never count them. She always conveyed the confidence that application of hard work could redeem just about any project. One aspect of Barb's position was the conversion of all the publications she worked on, and more, into digital formats for the branch web site. Barb applied the same diligence to this repetitious task as to the painstaking revision and layout of a paper bound for the *Canadian Journal of Earth Sciences*.

Although Barbara's name won't be found on the covers of our publications, she was a vital part of our effort to report on the activities of the Mineral Resources Branch, and to make available as much information as possible on the geology of the province and its offshore regions. This small branch of the provincial government is one of the most downloaded sources of information in Nova Scotia. That legacy belongs as much to Barb as to anyone.

Doug MacDonald

## July-September 2009 Open Assessment Reports

Report Number	NTS	Licensee
AR ME 2005-089	11F/04D	Hudgins, A B
	11F/05A, B	
AR ME 2007-097	11E/01B	Acadian Gold Corporation
AR ME 2007-098	11E/01A	Acadian Gold Corporation
AR ME 2007-099	11F/04D	Acadian Gold Corporation
AR ME 2007-100	21A/16D	True Metallic Explorations Incorporated
AR ME 2007-101	20O/16D	O'Sullivan, J R
AR ME 2007-102	11D/16C	Nycon Resources Incorporated
AR ME 2007-103	11E/02A	RJZ Mining Incorporated; Vostok Mining Limited
AR ME 2007-104	11E/02C	Acadian Gold Corporation
AR ME 2007-105	11E/02C	Acadian Gold Corporation
	11E/03D	
	11E/06A, B	
	11E/07B	
AR ME 2007-106	11E/02B, C	Acadian Gold Corporation
	11E/03A, B	
AR ME 2007-107	11D/13C	Champlain Resources Incorporated
AR ME 2007-108	11E/02D	6179053 Canada Incorporated
AR ME 2007-109	21A/10A	Colp, G B
AR ME 2007-110	11K/10A	Acadian Mining Corporation
AR ME 2007-111	11K/10A	Acadian Mining Corporation
AR ME 2007-112	11F/16B, C	Yava Technologies Incorporated
AR ME 2007-113	11F/16B, C	Yava Technologies Incorporated
AR ME 2007-114	11E/01C	Acadian Gold Corporation
AR ME 2007-115	11E/02D	Acadian Gold Corporation
AR ME 2007-116	11E/01C	Acadian Gold Corporation
AR ME 2007-117	11E/03D	Landis Mining Corporation
AR ME 2007-118	11E/03D	Landis Mining Corporation
AR ME 2007-120	11E/03C, D	Landis Mining Corporation
AR ME 2007-121	20O/16D	Rainbow Resources Limited
AR ME 2007-122	21A/16D	True Metallic Explorations Incorporated
AR ME 2007-123	11E/02D	Grant, S
AR ME 2007-124	11E/01A, D	Acadian Mining Corporation
	11F/04B, C	
AR ME 2007-125	21A/07B	Hooper, A D
AR ME 2007-126	21A/07B	Hooper, A D
AR ME 2007-127	11F/16C	Kelly Rock Limited
	11K/01B	
AR ME 2007-128	11D/15C	DDV Gold Limited
AR ME 2007-129	11E/03D	Landis Mining Corporation
AR ME 2007-130	11E/03D	Landis Mining Corporation
AR ME 2007-131	11D/15A	Acadian Mining Corporation
AR ME 2007-132	11F/04C	Acadian Mining Corporation
AR ME 2007-133	11D/16C	Nycon Resources Incorporated
AR ME 2007-134	11F/05C	Blackfly Exploration and Mining
AR ME 2007-135	11F/16C	Kelly Rock Limited
	11K/01B	
AR ME 2007-136	11D/16C	Nycon Resources Incorporated
AR ME 2008-124	11F/04C	DDV Gold Limited

Susan Saunders and Norman Lyttle

## Nova Scotia Prospectors Association Takes a Field Trip

The Nova Scotia Prospectors Association (NSPA) held its annual field trip in mid-September 2009 in the eastern Annapolis Valley. The trip was well attended despite a forecast of threatening weather for the weekend. In fact, the group met under sunny skies in Greenwich and departed to Davidson Cove, on the Bay of Fundy.

At Davidson Cove (see *Nova Scotia Minerals Update*, v. 26, no 3) beds of chalcedony and jasper served as a major source of materials that were fashioned into tools and weapons by the First Nations peoples who lived in Nova Scotia following the last ice age. Discarded flakes and chips found in the area of an ancient Mi'kmaw tool workshop were encountered by the group. The waste piles provide evidence of a relatively far-reaching economy developed over 1,500 years ago, as this site provided the raw materials also unearthed by archeologists at Debert, Colchester County. The site was given great respect by the group.

Next, attendees proceeded to beautiful Paddy's Island, to spend lunch observing the contact between the Blomidon and Wolfville formations in the cliffs. Discussing the local stratigraphy, one could envision *Coelophysis*, a fast and deadly 2.5 m high dinosaur that roamed these regions in Triassic times and whose tracks are well preserved there. The impressive outcrops of sculpted sandstone pocked with small caves and other unique features were a photographer's dream and everyone took advantage of the vistas.

The Blue Beach Fossil Museum was the group's next stop. Considered a world-class fossil site for creatures that roamed the earth and swam in the oceans 350 million years ago, Blue Beach is the world's only site of tetrapod fossils from that era. This important site offers a fossil record for a time period that has left no other fossilized remnants of these animals, and continues to change the map of evolutionary history worldwide. The world's oldest truly terrestrial animals are preserved at Blue Beach.

No NSPA meeting would be complete without a visit to a good panning site and to end the day the Greenfield



*Prospectors view an impressive collection at the Blue Beach Fossil Museum.*

placer, south of Wolfville, fit the bill. Local mafic dykes and carbonate alteration provide this site with a variation of the typical Meguma-hosted placer gold occurrence (see p. 5).

The next day the group proceeded to Castle Frederick, where DNR geologist Don Weir noted the presence of galena-rich quartz-carbonate veins intruding the granitic wall rock in a granite quarry a few years ago. Veins up to 8 cm thick, consisting mostly of a mix of pyrite and marcasite, are seen along with zoned galena-rich veins with visible sphalerite. Analytical results show levels of silver, antimony and cadmium in the veins as well. A discussion ensued hypothesizing a connection to local granites.

The group proceeded next toward Millet Brook with a brief stop at Castle Frederick Bridge to discuss exploration based on a Witwatersrand-type, quartz-pebble conglomerate model (Rand deposits) and the diamond drilling done to date on the proposed exploration target there.

Millet Brook was the next stop, where the group was given a history of exploration of the deposit during lunch at the former Kidd Creek office. A visit to the C-2 Zone, one of the key

exploration trenches where the Cu- and U-bearing phosphate torbernite can be seen in northeast-trending, fault-controlled veins. The group discussed the deposit from the perspective of its economic geology and genesis, but also in terms of its environmental geology.

With weather closing in and showers beginning, the field trip continued on to Mill Brook, the site of some small, lesser known U occurrences. Uranium occurrences such as these raise important environmental concerns because although they are economically insignificant, they have an impact on groundwater throughout the region.

The final stop featured an example of an important economic model at Maple Brook, where a classic reduction-oxidization (redox) front is exposed in the quarry face. Here, oxidized beds exposed along the top half of the quarry have very low radiometric response, whereas the top couple of metres of the underlying, much more reduced, dark grey to black shales have elevated radiometric response (4-5 times background). Although the day ended under rainy skies the enthusiasm of the group could not be dampened. Field trips are an inspiration.

*Ron Mills*

## First DNR Open House Draws 3000 to Shubenacadie

On September 18 and 19, Shubenacadie was the scene of hovering helicopters and helitack demos, firefighting competitions, wagon rides, Smokey the Bear, gold panning, Nova Scotia wildlife, insects, Conservation Officers, barbecues, bagpipes and the Wilderbeats live band. These attractions, and more, were part of the first-ever Nova Scotia Department of Natural Resources (DNR) Open House. The event was organized to showcase forest protection, minerals, wildlife, parks, enforcement, Crown and private land administration, pest and disease control, and the importance of natural resource stewardship.

Citizens of Nova Scotia and visitors, departmental staff, retirees, VIPs and more than 300 Grade Nine students took advantage of this unique opportunity to see live demonstrations, attend oral presentations and visit the numerous exhibits. The Open House offered a chance to learn more about careers with the department, its various divisions, and the many services that DNR provides to help manage Nova Scotia's natural resources for today and tomorrow. The event was considered a huge success, with attendance over the two days reaching close to 3000.

During the Open House, DNR held a memorial service and unveiled plaques for three Nova Scotia Conservation Officers killed in the line of duty over the past eight decades. Minister John MacDonell offered best wishes to the families and acknowledged "the service of these officers for making the ultimate sacrifice for the province." The Conservation Officers remembered were A. Harrison Eisenhauer, Austin Whiley Lavers and Donald C. Wood.

DNR would like to hear your impressions of the event. If you attended the Open House, please take a moment to answer a few brief questions on the department's web site: <http://www.gov.ns.ca/natr/openhouse/evaluation.asp>.

*Diane Webber*



*These young visitors to the DNR Open House will probably remember the day for a long time to come.*

### Special Note

#### E-mail Notification

If you would like to be added to our mailing list to receive an e-mail notice when new maps and publications are released, or when a new issue of the *Nova Scotia Minerals Update* is released, please send your e-mail address to [minerals@gov.ns.ca](mailto:minerals@gov.ns.ca).

### Dates to Remember

#### October 22-24, 2009

Atlantic Universities Geological Conference, St. Mary's University, Halifax, NS. For more information please visit the web site: <http://www.smu.ca/academic/science/geology/geology/AUGC/home.html>.

#### November 1-4, 2009

Exploration, Mining and Petroleum New Brunswick 2009, Delta Hotel, Fredericton, NB. For information visit the web site <http://www.gnb.ca/0078/minerals/Exmin2009-e.aspx>.

#### November 5-7, 2009

Mineral Resources Review 2009, Delta St. John's Hotel & Conference Centre, St. John's, NL. For information visit the web site <http://www.nr.gov.nl.ca/nr/mrreview09/index.htm>.

#### November 16 and 17, 2009

Mining Matters 2009, the Westin Nova Scotian Hotel, Halifax, NS. For more information please visit the web site <http://www.gov.ns.ca/NATR/MEB/OH/index.asp> and see the article on p. 1-2.

#### January 18-21, 2010

Mineral Exploration Roundup 2010, Westin Bayshore Vancouver, BC. For more information please visit the web site <http://www.amebc.ca/roundup/overview.aspx>.

#### March 7-10, 2010

Prospectors and Developers Association of Canada, International Convention, Trade Show & Investors Exchange, Metro Toronto Convention Centre, Toronto, ON. For more information visit the web site: <http://www.pdac.ca/pdac/conv/index.html>.