

# The Matty Mitchell Prospectors Resource Room

A public–private sector partnership working for the  
Newfoundland and Labrador prospecting community



## Annual Report for 2008

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## FOREWORD

Since its official launch in 1998, the Matty Mitchell Prospectors Resource Room has developed into a significant public–private sector venture that facilitates effective delivery of a wide range of joint government–industry initiatives supporting prospecting and mineral development throughout Newfoundland and Labrador.

We are proud of what we have accomplished as a provider of mentoring, technical support and promotional assistance to prospectors across the Province. Prospectors are a key element of our mineral sector and their discoveries are fundamentally important to the sustainable development of our multi-billion dollar mineral exploration and mining industries. These industries provide family-supporting employment and business opportunities in rural communities throughout the Province. Revenues from this growing mineral sector provide funding for government to address a wide range of public priorities.

Presented below is a brief overview of the Matty Mitchell Prospectors Resource Room project and its programs, followed by a review of some specific activities and new developments for 2008. If you are interested in learning more about us and the range of activities we pursue, contact us at [matty@gov.nl.ca](mailto:matty@gov.nl.ca) or visit our website: [http://www.nr.gov.nl.ca/mines&en/geosurvey/matty\\_mitchell/](http://www.nr.gov.nl.ca/mines&en/geosurvey/matty_mitchell/).

The management committee would be happy to hear your suggestions of future initiatives for us to consider, and of ways to partner with you in delivering such initiatives, as resources allow.

*Sean O'Brien, P. Geo., Chair  
Management Committee  
Matty Mitchell Prospectors Resource Room*



*Graduates of the Stephenville Prospecting Course, June 2008*



*Graduates of the Goose Bay Prospecting Course, August 2008*

# Matty Mitchell Prospectors Resource Room

## WHO WE ARE

The Matty Mitchell Prospectors Resource Room (MMR) is a government–industry–university partnership developed in 1998 by the then Newfoundland and Labrador Department of Mines and Energy to support the Province's prospecting community. The MMR is dedicated to pioneering prospector Matty Mitchell, discoverer of the world-class Buchans Mine.

We deliver information, advice, technical support, mentoring and promotional services to prospectors and other interested public from all corners of the Province. We help put government geoscience data and other pertinent information into the hands of prospectors, in order to aid them in their planning, exploration and promotional activities. Data and support are provided to prospectors prior to discovery and thereafter, thus aiding clients throughout all stages of the discovery–promotion–optioning process.

The MMR continues to meet its original purpose as a permanent multi-use resource area and drop-in centre for prospectors. Over the past 10 years, however, the partnership project has evolved into a major venture that facilitates effective delivery of a wide range of joint government–industry initiatives in support of prospecting and the mineral exploration industry. As before, we strive to deliver these initiatives and meet client demands in a rapid, effective, and cost-efficient manner.

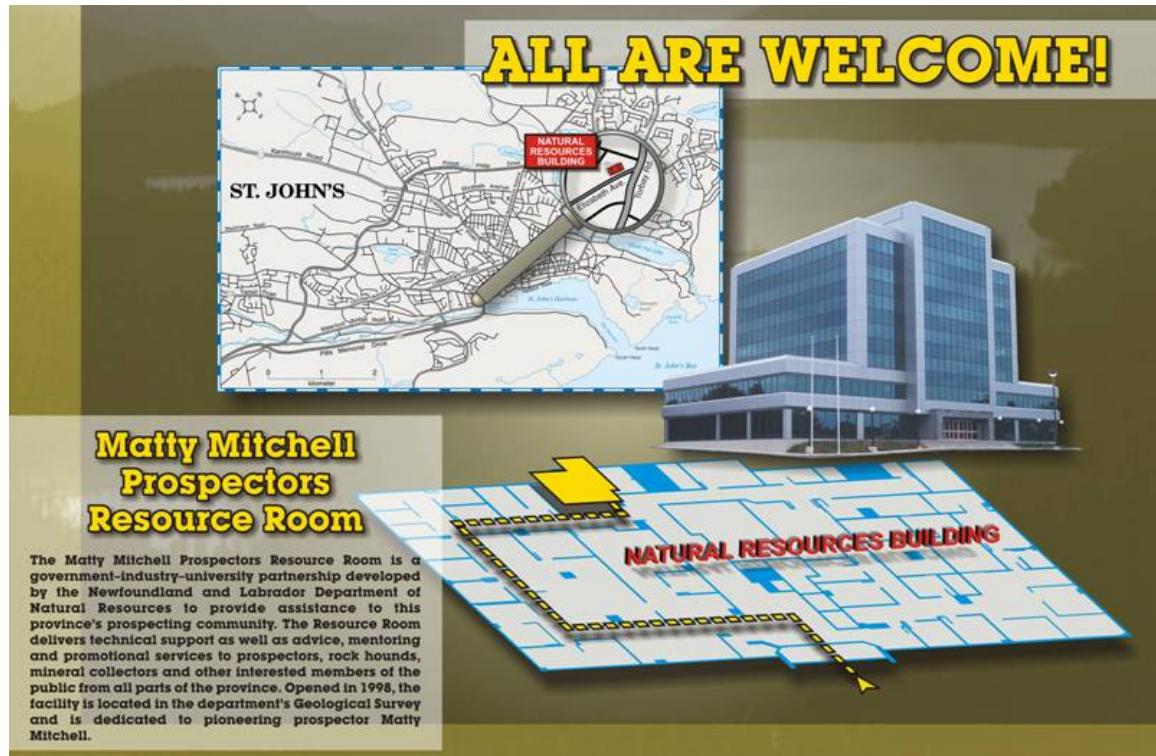


*The Matty Mitchell Prospectors Resource Room*

## WHERE TO FIND US

The Matty Mitchell Prospectors Resource Room and the Matty Mitchell Sample Library are located in the first floor offices of the Geological Survey Division of the Newfoundland and Labrador Department of Natural Resources, 50 Elizabeth Avenue (Natural Resources Building), St. John's, Newfoundland and Labrador.

We spend significant time on the road and can be found at points from St. John's to Vancouver, delivering initiatives in support of the Newfoundland and Labrador prospecting and exploration industry.



We can be reached by telephone at 709-729-2120, by fax at 709-729-4491 or email at [matty@gov.nl.ca](mailto:matty@gov.nl.ca).

Our website is: [http://www.nr.gov.nl.ca/mines&en/geosurvey/matty\\_mitchell](http://www.nr.gov.nl.ca/mines&en/geosurvey/matty_mitchell)

## PARTNERS and MANAGEMENT

The MMR was initiated by the Geological Survey Division of the provincial government's Mines Branch. The MMR is located within the Survey's Geoscience Publications and Information Section, which is responsible for the Mines Branch's interests in the project.

Daily operations and on-going development of the MMR are overseen by a public-private-sector committee, chaired by the manager of the Geoscience Publications and Information Section of the Geological Survey Branch, NL Department of Natural Resources (Sean O'Brien). The committee includes representatives from the Newfoundland and Labrador Chamber of Mineral Resources (Gerry O'Connell), the Geological Survey (Norm Mercer) and Mineral Development (Len Mandville) divisions, the Newfoundland and Labrador mineral exploration group (Charlie Dearin) and Memorial University (Derek Wilton). The Geological Survey works in close partnership and collaboration with the Chamber of Mineral Resources on all aspects of the MRR project.

The MMR has a full-time professional geologist's position dedicated to the delivery of information services and promotional activities in support of prospectors. The MMR geologist (Pat O'Neill, P.Geo.) is a contractual employee of the Chamber of Mineral Resources, working under the direction of the management committee. The position is based in the MMR.

Salary and operating expenses in 2008 were cost-shared by the Chamber (59%) and the MMR (41%). The Chamber's contribution is sourced from a Business Development Agreement between it and the Atlantic Canada Opportunities Agency (ACOA). The MMR receives significant funding from the Mines Branch's Prospectors Assistance Program, and additional support from the CIM Newfoundland Branch. Professional and technical expertise and extensive in-kind support is provided by the Geological Survey.

## MISSION STATEMENT

The MMR is designed to support prospectors by providing them with mentoring, technical support, and promotional assistance, thereby assisting in the creation of wealth and jobs through sustainable mineral development. Through its programs in support of prospectors, the MMR project's goal is to stimulate the provincial mineral industry and attract mineral investment to the Province.

## WHAT WE PROVIDE

### *Information & Consultation Services*

- Supply one-on-one advice, including rock and mineral identification, technical assistance and long-term mentoring
- Ensure integration of pertinent data from Geological Survey geofiles, databases and other sources with prospectors' own information in making promotional property posters
- Assist with administration of MIAP grants to the Exploration Consultant's office (Geological Survey) in support of novice prospectors
- Maintain a rock and mineral collection with ore suites and alteration styles from around the Province and around the world
- Maintain a library of textbooks, reprints, maps, short-course notes, databases and other related documents
- Maintain a website

### *Promotional Services*

- Design, display and distribute:
  - Property Poster Series
  - Regional Technical Posters
  - Properties for Option Maps and Booklets
  - Properties for Option CD-ROM
- Develop and display other promotional and information materials for use at Mineral Resources Review, Roundup, PDAC and other mineral industry conferences, and for public awareness events throughout the year

### *Prospector Support at Mineral Industry Trade Shows and Conferences*

- Provide logistical, technical and other support to prospectors participating in Mineral Resources Review, Roundup, PDAC and other industry conferences and trade shows

### *Public Awareness and Education Initiatives*

- Organize prospecting workshops throughout Newfoundland and Labrador

- Participate in “Careers Fair” days
- Participate in rural conferences
- Help organize lectures and short-courses

The MMR provides novice and professional prospectors and members of the general public with geoscience information from the provincial Geological Survey, from industry reports in the Mines Branch geofiles, and from other local, national and international sources.

We aid prospectors in selecting and refining target areas, generating and further advancing new prospects, and when necessary, reinterpreting known prospects. Many of these individuals will have received prospecting grants from the Mines Branch Prospectors Assistance Program. These efforts continue to help attract new mineral exploration to many parts of rural Newfoundland and Labrador.

Assistance and advice is provided in a number of ways, including on-site visits and consultation in the MMR, through responses to e-mail, mail or telephone requests, through the web site and through visits in the field. MMR users are provided with advice and with help researching additional off-site sources of information; when necessary, visitors are connected with appropriate Mines Branch staff, MUN faculty or others who can assist them. Mentoring relationships between prospectors and the MMR geologist and/or Mines Branch geologists are established.

## **Prospectors and Others Supported by the Matty Mitchell Prospectors Resource Room in 2008**

In 2008, the MMR provided free mentoring, technical support and promotional assistance to a large number of prospectors from all parts of Newfoundland and Labrador (see list below). The MMR provided many clients with on-site information and consultation services; others were assisted via telephone or e-mail, and through other efforts and initiatives in the regions. A large number of clients availed of our growing sample collection, which is housed in the MMR and the Matty Mitchell Sample Library. Information services were also provided to the public and to representatives of local and national exploration companies.

The MMR aided these prospectors with sample and mineral identification, data interpretation and presentation, selection and refinement of target areas, generation and further advancement of new prospects, and re-interpretation of existing prospects. We are happy to report these efforts have helped prospectors attract new mineral exploration to many parts of the Province in 2008.

We helped these prospectors develop their own information packages, which were then circulated at mining and exploration conferences in Vancouver (Roundup), Toronto (PDAC) and St. John's (Mineral Resources Review). These information packages were distributed by the MMR and the prospectors to interested companies as follow-up throughout the year.

In 2008, assistance was given to more than 100 individual prospectors, who made approximately 530 requests either through personal visits, email enquiries or telephone calls. The MMR had several visitors from out-of-province who were interested in geo-tourism or in casual prospecting and rock-hounding. The list of locations ranged from British Columbia in the west to London (England) in the east, as far north as Greenland and as far south as Alabama.

The following tables list individuals who were directly assisted during this time; most visited or requested assistance on multiple occasions.

Al Chislett	Conception Bay South	Gordon Cooper	Mt. Pearl
Albert Woodman	South Dildo	Greg Osmond	St. John's
Alex Turpin	Mt. Pearl	Greg Peddle	Mt. Pearl
Alison Dancey	St. John's	Gus Finn	St. John's
Andre Labrie	St. John's	Harry Hodge	Toronto
Arleen LeDrew	Wing's Point	Herb Froude	Clarenville
Aubrey Sheppard	Cox's Cove	Ivan Mesher	St. John's
Barry Moore	Cupids	Ivan Sheppard	Cox's Cove
Baxter Kean	St. John's	Jason White	Conception Bay South
Baxter Senior	Red Harbour	Jim Bouzane	St. John's
Brad Chislett	St. John's	Jim Harris	Bay Roberts
Brad Dyke	St. John's	Jim Weick	St. John's
Brian	London, UK	John Kitchen	St. John's
Cal Davis	St. John's	John Scevior	Paradise
Chris Hutchings	Carbonear	Keith Kelloway	Burin Bay Arm
Chris Meadus	Grates Cove	Ken Butt	Summerford
Chris O'Brien	St. John's	Ken Knight	Clarenville
Chris Starkey	Mt. Pearl	Kevin Ryan	St. John's
Chris Starkey	Mount Pearl	Lai Lai Chan	St. John's
Clarence Collins	Clarenville	Len Lewis	Grand Falls
Clinton Barr	Ontario	Leo Harty	St. John's
Dan Jacobs	Westport	Leon Roebothan	St. John's
Darrin Steeves	St. John's	Mark Allston	Ottawa
Dave McNeil	Halifax	Mark Ralph	BC
David Walsh	Logy Bay	Mike Allston	St. John's
Dennis Walsh	St. John's	Monica Squires	St. John's
Derrick Fancey	Wing's Point	Nath Noel	Conception Bay South
Don LeDrew	Wing's Point	Neil Sheppard	Cox's Cove
Don McGrath	Corner Brook	Paul Keel	Clarenville
Doug Harrison	St. John's	Paul Murphy	St. John's
Ed Martin	St. John's	Paul Strong	Clarenville

Ed Carter	St. John's	Paul Stuckless	Badger
Eddie McGrath	St. Julien's	Ray Power	St. Thomas
Ellis Hillier	Botwood	Robert McGuire	Glenwood
Eric Hussey	St. John's	Roland Quinlan	Birchy Bay
Eric Oram	Glovertown	Roy Parsons	Clarenville
Erwin Hamilton	Toronto	Roy Parsons	Clarenville
Francis McKenzie	Halifax	Sandy Duffitt	Clarenville
Fred Keats	Benton	Simon Ingrams	London, UK
Fred Moulard	Musgrave Harbour	Steve House	Gander
Gail Hickey	St. John's	Tim Froude	St. John's
Garry Wolfrey	St. John's	Tom Gosine	Mt. Pearl
Gary Lewis	Grand Falls	Tom Stepoloski	Ontario
George Lannon	Placentia	Walter Sweetapple	Glovertown
Gerald Seward	Clarenville	Wayne Holloway	Paradise
Gerry Furlong	Mt. Pearl	Wayne Hurley	Westport
Gerry Gibbons	Clarenville	Wilbert McGrath	Placentia
Gerry Hull	Port au Port		

### The following people were assisted through phone calls

Al Connolly	Alabama	Jim Weick	St. John's
Albert Miller	St. John's	John Sceviour	St. John's
Albert Stone	Marystown	Ken Knight	Clarenville
Albert Woodman	South Dildo	Kevin Ryan	St. John's
Alex Turpin	Mt. Pearl	Leon Roebothan	St. John's
Barry Moore	Cupids	Lloyd Hicks	Port Hope Simpson
Baxter Senior	Red Harbour	Margaret Harris	Bay Roberts
Bert Stone	Marystown	Paul Keel	Clarenville
Charles Keating	Stephenville Crossing	Paul Snow	Happy Valley
Chris Bradley	Westport	Peter Dimmell	St. John's
Clarence Collins	Clarenville	Peter Hurley	Baie Verte
Clyde McLean	St. John's	Pierce Penney	Port Hope Simpson
Colin Kendell	Baie d'Espoir	Ralph Stewart	Newmarket
Darrin Hicks	Milltown	Ray Penny	Gander
David Hicks	Milltown	Ray Power	St. Thomas
David Walsh	Logy Bay	Reg Lundrigan	Epworth
Delano Flowers	Goose Bay	Sandy Duffitt	Clarenville
Derrick Fancy	Wing's Pt	Sandy Stares	Benton
Don LeDrew	Wing's Pt	Spencer Vatcher	Grand Falls
George Lannon	Placentia	Sue Scott	St. John's
Gordon Cooper	Mt. Pearl	Tom McLennon	Grand Falls
Gordon Crocker	Clarenville	Tony Kearney	Roddickton
Graham Hanley	St. John's	Vic French	Clarke's Beach
Herb Froude	Clarenville	Wayne Holloway	Paradise
Ivan Mesher	St. John's	Wilson Jacobs	St. John's
Jim Bouzane	St. John's		

The following people were assisted through e-mail contact.

Alan Morgan	Waterloo	Jason White	Conception Bay South
Annie Okkoatsiak	Nain	Jim Weick	St. John's
Bert Stone	Marystown	Keith Kelloway	Burin Bay Arm
Chris Hicks	St. John's	Kevin Keats	Gambo
Chris Hutchings	Carbonear	Kevin Ryan	St. John's
Chris Starkey	Mt. Pearl	Larry Godbout	Ottawa
Christina Keats	Gambo	Larry Pilgrim	King's Point
Clarence Collins	Clarenville	Les Hewlett	Baie Verte
Darrin Hicks	Milltown	Lori Cook	St. John's
Dave King	St. John's	Melvin Jackman	Harbour Breton
David Hicks	Milltown	Michael Bessey	Goose Bay
David Walsh	Logy Bay	Mike Collins	Calgary
Delano Flowers	Goose Bay	Nath Noel	Conception Bay South
Denise Jackman	Carbonear	Paul Crocker	Cape Broyle
Derek White	Doyles	Paul Stuckless	Badger
Derrick Fancey	Wings Pt.	Richard Michelin	Goose Bay
Ed Montague	Labrador City	Sabatino Andreoni	Toronto
Eddie Quinlan	Birchy Bay	Sandy Duffitt	Clarenville
Eric Hussey	St. John's	Sandy Stares	Benton
Florence Button	Bay Roberts	Spencer Vatcher	Grand Falls
George Lannon	Placentia	Tony Kearney	Roddickton
Gerald Bursey	Buchans	Wayde Guinchard	Corner Brook
Gilbert McGrath	St. Juliens	Wayne Holloway	Paradise
Herb Froude	Clarenville	Wilbert McGrath	St. Juliens
Ivan Mesher	St. John's		

Junior exploration companies active in the province were assisted in a more indirect way through the MMR promotional activities across Canada during 2008. For example, the following companies had properties included in the MMR's Properties for Option Maps and Properties for Option Booklet:

Cornerstone Resources Inc.  
Trinity Resources and Energy Ltd.  
Viking Gold Exploration Inc.  
New Island Resources Inc.  
Falcon Ventures  
Royal Roads Corp.  
Thomas Resources Inc.  
Clode Sound Resources  
Golden Dory Resources

Altius Minerals Corp.  
Paragon Minerals  
Kermode Resources Inc.  
Buchans River Ltd.  
Tundra Properties Inc.  
Celtic Minerals Ltd.  
South Coast Ventures  
Freeport Resources Inc.  
Metals Creek Resources

## PROSPECTOR SUPPORT: MINERAL INDUSTRY TRADE SHOWS AND CONFERENCES:

In 2008, the MMR continued its major role of providing logistical support for prospectors attending local and national mining and mineral exploration conferences and trade shows. Assistance was provided to prospectors prior to, during and following these events. The MMR also assists those who cannot attend by promoting their properties at these meetings.

The MMR was a participant and/or exhibitor in the following industry meetings:

- Mineral Exploration Roundup, Vancouver, January 26<sup>th</sup> to 29<sup>th</sup>, 2008.
- PDAC, Toronto, March 1<sup>st</sup> - 4<sup>th</sup>, 2008.
- Baie Verte Mining Conference, June 13<sup>th</sup> and 14<sup>th</sup>, 2008.
- Mineral Resources Review, St. John's Oct. 30<sup>th</sup> - Nov 1<sup>st</sup>, 2008

The MMR worked in conjunction with the NL Chamber of Mineral Resources and the Geological Survey and Mineral Development divisions of the Mines Branch at these meetings, focusing on individual prospect promotion and promotion of the province in general as a region to invest in mineral exploration and development. In the Toronto and Vancouver meetings, the MMR availed of space provided by the NL Chamber, to display Property Posters described above.

During 2008, at least 18 prospectors successfully optioned properties either to local juniors or Canadian majors; some of the critical contacts which resulted in successful option agreements, were made at these meetings. Of particular note is the St. Julien's property, staked originally by the McGrath brothers from the Northern Peninsula. This was their first foray into the exploration industry and while promoting their property at the PDAC in March 2008, they initiated meetings with geologists from Eagle Ridge Minerals who subsequently optioned the property.

## PROMOTIONAL SUPPORT SERVICES

### PROPERTY POSTER SERIES

Posters for individual properties were compiled for prospectors for display at PDAC in Toronto, Mineral Exploration Roundup in Vancouver and the annual Mineral Resources Review in St. John's (see list below).

The MMR maintained this "Property Poster Series" by revising older versions and developing new posters when requested by prospectors. As in previous years, the

publications provided thumbnail sketches of the style of mineralization, commodities, contact information and location of prospects.

Digital versions were distributed during and after these conferences and made available as pdfs for download on the MMR website. The individual property posters meld prospectors' data with additional geoscientific data and interpretation from the Geological Survey and other sources.

*New property posters compiled in 2008*

Prospector	Property	Commodity
Sandy Stares	Kippens	Zinc
	Baie Verte	Uranium
	Harbour Mille	Copper
	Pilleys Island	Copper
Darrin Hicks	Whites River/	
	Fortune	Silica
	Pipestone Pond	Chromium-Nickel-PGEs
	Winterhouse Brook	Copper-Nickel-Gold-PGEs
David Hicks	Big Pond	Silica
Derrick Fancey	Ocean Pond	Molybdenum
	Ackley	Uranium-Molybdenum
Sandy Duffitt Tom McLennon	Great Gull Lake	Tungsten
	Fortune Harbour (Grey Copper Mine)	
Jason White	Thomas Pond	Gold
	Fleur de Lys	Molybdenum
	Rose Blanche	Gold-Silica

*Revised property posters*

Prospector	Property	Commodity
Gerry Furlong	Avondale	Gold
Tom McLennon	Natlins Brook	Gold
David Walsh	Liverpool Brook Otter Island	PGEs Gold-Copper

Darrin Hicks	Baikie	Copper-Nickel-Cobalt-PGEs
David Hicks	Northwest Cove	Molybdenum
Kevin Ryan	Burin Hawke Hill	Gold-Uranium Gold
Keith Kelloway	Kitchen	Gold-Zinc
Derrick Fancey	Cripple Creek	Gold-Antimony
Walter Sweetapple	Eastport Peninsula	Copper

# NEWFOUNDLAND & LABRADOR

## Explore The Opportunities

### BAIKIE PROPERTY Ni-Cu-Co-PGEs

**Map 1. Property location map**

**Regional Geology**

The property lies within the Archean (3.9 Ga - 1.27 Ga) Nain Province and is underlain by the Mesoarchean Florence Lake Group.

**Local Geology**

The Baikie Prospect occurs in the Florence Lake Group which comprises a succession of mafic flows and intermediate to felsic pyroclastic rocks. Epiclastic rocks are rare and flows more felsic than basalt-andesite have not been recognized in the succession. The group forms a belt 65 km long extending in a north-northeasterly direction. Between Ugiatok and Adatso Bays the succession has a map thickness of 5 km and ratio of mafic flows to intermediate and felsic pyroclastic rocks is 3:1. The group has been divided into three formations based on colour index and texture.

Volcanics of the Florence Lake Group are everywhere intruded by rocks of the Archean Kanatik intrusive suite which consists of granitic, granodioritic and tonalitic gneisses, also metamorphosed to greenschist facies. The contact zones between the Florence Lake Group and the intrusive rocks host many of the base metal occurrences in the area.

The Florence Lake Group is underlain (possibly unconformably) by Archean Maggo gneiss and Weeks amphibolite that record polyphase deformation and metamorphism prior to deposition of the Florence Lake Group. (Ermanovics, 1979)

**Mineralization**

There are several occurrences of Ni-Cu mineralization on the property. The Baikie Prospect is of most interest and is described here. The Baikie Prospect comprises three isolated pods of pyrrhotite-pyrite mineralization along a north-easterly direction over a strike length of 150 m. The central occurrence has been exposed across a width of 2.5 m and the mineralization is confined to the nose of a steeply plunging minor fold in a talc-chlorite schist. The occurrence to the north is the Baikie Shallow and the occurrence to the south is the Baikie Shallow and South. The Baikie Shallow and South are located in the same contact zone as the central Baikie Prospect.

Diamond drilling and ground magnetic surveys show that the sulphide occurrences in the talc-chlorite schist are discontinuous, isolated pods possibly related to local shear zones in the schist unit. J.S. Sutton (1970) indicates that the chlorite schist unit is part of a 500 m wide contact zone between intrusive granodiorite gneiss and the Ugiatok Greenstone (Florence Lake Group) and that the mineralization is related to early shearing in the contact zone. The mineralization occurs in a 500 m wide contact zone between Florence Lake metavolcanics and the granodiorite gneiss which intrudes the metavolcanics. The contact zone is essentially a zone of deep seated mixing which has been intensely modified by post-intrusion, syn-foliation, deformation and shearing. Across the contact zone there is a variation from 10% pyrenite in granodiorite to 10% granodiorite in greenstone.

The localization of sulphide mineralization in this contact zone is interpreted as being related to mixing in the contact zone. (Sutton, J.S. - 1970). Falconbridge carried out geological and geophysical surveys in the area in the early 1990's. They drilled 4 holes in the vicinity of the Baikie Prospect and intersected disseminated pyrrhotite and pentlandite in talc-carbonate altered ultramafic rock (See Table 1). Two massive sulphide sections intersected in hole FLK-92-2 returned 10.1% Ni, 0.22% Cu and 0.29% Co over 0.9 m and 9.41% Ni, 0.11% Cu and 0.25% Co over 0.52 m respect. The best overall intersection was 2.19% Ni, 0.22% Cu and 0.16% Co over 11.32 m. Elevated levels of Pt and Pd are also present, up to 2.18 g/t combined over 0.9 m.

The Baikie Prospect is an example of nickel mineralization associated with komatiites and potentially of the Kambalda type deposit.

**FOR MORE INFORMATION CONTACT:**

Darrin Hicks  
Tel: (709) 889-4111  
E-mail: dtcc.hicks@personainternet.com

**Map 2. Claims and geology map**

**Table 1: Significant Drill Intersections**

Hole	m	Ni%	Cu%	Co%	Pt g/t	Pd g/t
FLK 92-1	6.65	0.84	0.07	0.02	—	—
Incl.	0.6	2.4	0.07	0.04	0.13	0.43
Incl.	1.0	2.31	0.23	0.06	0.18	0.39
FLK 02-1	1.21	1.86	0.32	0.05	—	—
Incl.	0.47	2.99	0.61	0.08	0.04	0.50
FLK 92-2	11.32	2.19	0.22	0.16	—	—
Incl.	1.36	8.49	0.48	0.23	0.38	1.4
Incl.	0.90	10.6	0.22	0.29	0.52	1.64
Incl.	3.02	3.01	0.08	0.07	0.09	0.51
Incl.	0.52	9.81	0.11	0.25	0.15	1.52
FLK 92-3	2.07	1.29	0.46	0.11	—	—
Incl.	0.9	2.51	0.95	0.20	—	—
FLK 92-12	15.0	1.25	0.05	0.02	—	—

Source: Mineral Occurrence Database - Geological Survey, Department of Natural Resources, Website: <http://www.gov.nl.ca/minres/geo/geo/survey>  
P.J. Davenport, L.W. Nolan, R.W. Wards, G.J. Stapleton, and G.J. Kiffel, 1999, The Geoscience Atlas of Labrador, Newfoundland Department of Mines and Energy, Geological Survey, Open File NPLD/1305, Version 1.0, October, 2008

Produced By:  
**MM**  
prospectors  
resource room

Sample of property poster

Property posters for the following prospectors were created or updated with new data for display at conferences in 2008. In many cases, the information was included in property information packages sent by the prospectors, the MMR or the Geoscience Publications and Information Section (Geological Survey Division) to mining and mineral exploration companies as follow-up to contacts made at these meetings.

Darrin Hicks	<i>(Labrador, Western and Central Newfoundland)</i>
Derrick Fancey	<i>(Central and Northeastern Newfoundland)</i>
Sandy Stares	<i>(West Coast, Baie Verte, Notre Dame Bay area)</i>
Herb Froude / Sandy Duffit	<i>(Southern Labrador, Central Newfoundland)</i>
Tom McLennon	<i>(North Central Newfoundland)</i>
Tom McLennon	<i>(White Bay area)</i>
Jason White	<i>(Southwest Coast, Avalon Peninsula, Baie Verte)</i>
Kevin Ryan	<i>(Avalon Peninsula)</i>
Keith Kelloway	<i>(Burin Peninsula)</i>
David Hicks	<i>(Southeastern Labrador)</i>
Sandy Duffitt	<i>(Central)</i>
David Walsh	<i>(West Coast, Notre Dame Bay)</i>

Our Property Poster Series continues to be an important aid to prospectors in promoting and optioning their properties. We currently maintain a growing digital library of more than 140 posters on various prospector properties. These are available, upon request, in digital or hard copy format. Our current collection includes the following properties (note that some may have been optioned; some may have been dropped; others remain available for option):

*AK Hinds Lake: Cu-Au (Western Newfoundland)* for T. Gordon, Deer Lake  
*Abbots Brook: Au (Southern Newfoundland)* for D. Hicks, Milltown  
*Ackley: U-Mo (Eastern Central Newfoundland)*, D. Fancey, Wing's Point  
*Alliger Lake Ni-Cu-Co (Labrador)* for D. Hicks, Milltown  
*Avondale: Cu-Au (Avalon Peninsula)* for G. Furlong, Mt. Pearl  
*Baie Verte: U (Baie Verte Peninsula)* S. Stares, Benton  
*Baikie: Cu-Ni-Co-PGEs (Labrador)* D. Hicks, Milltown  
*Bergs: Au (Avalon Peninsula)* for G. Peddle, St. John's  
*Big Pond: Silica (SE Labrador)*, D. Hicks, Milltown  
*Black Raven: Au-Sb-Ag-Cu-Zn-Pb (Notre Dame Bay)* E. Quinlan, Birchy Bay  
*Black Ridge: Cu-Au (Baie Verte - Green Bay region)* E. Quinlan, Birchy Bay  
*Broad Cove Pond: Cu (Burin Peninsula)* for G. Devereaux, Terrenceville  
*Budgell's Harbour: Cu-Ni-Co-Au-Pt-Pd (Notre Dame Bay)* G. Lewis, Grand Falls  
*Burin: Au-U-F (Burin Peninsula)* K. Ryan, St. John's  
*Cavendish: Cu-Ag (Avalon Peninsula)* T. / K. Stead, Little Catalina  
*Chignic: Au (Southwest Newfoundland)* for D. Walsh, Logy Bay  
*Christopher: Cu (Central Newfoundland)* for W. Mercer, Grand Falls  
*Coldblow: Au (Burin Peninsula)* for K. Kelloway, B. Mills (Burin)  
*Collier's River: Cu-Ag (Avalon Peninsula)* T. / K. Stead, Little Catalina  
*Copper Mountain: Cu (Southern Newfoundland)* G. Hoskins, Head of Bay D'Espoir

*Cormack: U (Western Newfoundland)* I. Mesher, St. John's  
*Cracker: Au (Gander area)* F. Pollett, Gander  
*Cripple Creek: Cu-Au-Ag (Gander Bay)* D. Fancey and D. LeDrew, Wings Point  
*Crow Hill: Au (Baie Verte - Green Bay region)* L. Pilgrim, Kings Point  
*Danny Boy: Au (Central Newfoundland)* S. Courtney, Grand Falls  
*Dark Hole: Au-Cu-Ag (Eastern Newfoundland)* J. Bailey (Clarenville)  
*Davis Pond: U (White Bay)* T. McLennon, Grand Falls  
*Dawes Pond: Cu-Co (Central Newfoundland)* B. Mercer, Grand Falls  
*Dollard: U (Southern Newfoundland)* D. Hicks, Milltown  
*Duder Lake: Au (Central Newfoundland)* for R. Quinlan (Birchy Bay)  
*Dog Pond: Au (Avalon Peninsula)* J. Harris, St. John's  
*Eastern Pond: Au (Central Newfoundland)* for G. Lannon, (Placentia)  
*Eastport Peninsula: Cu (Bonavista Bay)* W. Sweetapple and partners, Glovertown  
*Elliott: Au (Central Newfoundland)* S. Courtney, Grand Falls  
*Emesis: dimension stone (Clarenville area)* S. Duffitt & partners, Clarenville  
*English Ridge: Cu (Avalon Peninsula)* J. White, St. John's  
*Ferguson's Pit: Cu (Avalon Peninsula)* W. Sweetapple, Glovertown  
*Fischell's Brook: Au (Western Newfoundland)* D. Hicks, Milltown  
*Fleur-de-Lys: Mo (Baie Verte Peninsula)*, J. White, St. John's  
*Fortune: Silica (Burin Peninsula)* D. Hicks, Milltown  
*Fortune Harbour: Cu (Notre Dame Bay)*, T. McLennon, Grand Falls  
*Francois: U (Southern Newfoundland)* D. Hicks, Milltown  
*Fresh Steak Lake: U (Central Labrador)* D. Hicks, Milltown  
*Garnish Pond: U (Burin Peninsula)* K. Ryan, St. John's  
*Gaultois: dimension stone (Southern Newfoundland)* G. Hoskins, Head of Bay D'Espoir  
*Grand Fiddlers Cu (Central Newfoundland)* A. Woodman, South Dildo  
*Granite (Southern Newfoundland)* C. Pottle, Islington  
*Great Gull Lake: W (Central Newfoundland)*, A. Duffitt, Clarenville  
*Greenhill: Cu (southern Burin Peninsula)* for D. Kelly and A. Stone, Marystown  
*Grey River: Au, (Southern Newfoundland)* G. Lushman, Corner Brook  
*Grindstone: U (Western Newfoundland)* S. Stares, Benton  
*Hampden and Jackson's Arm: Au (White Bay area)* for L. Murphy, Conception Bay South  
*Handcamp: Au (Central Newfoundland)* G. Lannon, C. Reid, (Placentia, Bishops Falls)  
*Harbour Mille: Cu-Ag (Burin Peninsula)* K. Ryan, St. John's  
*Harbour Mille: Cu-Ag (Burin Peninsula)* S. Stares, Benton  
*Hawke Hill: Au (Avalon Peninsula)*, K. Ryan, St. John's  
*Hinds Brook: Cu (Central Newfoundland)* for T. Gordon, Corner Brook  
*Hope Brook Extension: Au (Southern Newfoundland)* for R. Quinlan (Birchy Bay)  
*Horseshoe: Au (Central Newfoundland)* for G. Lannon, P. Reid (Placentia, Bishops Falls)  
*Island Pond Ridge: Cu-Au (Avalon Peninsula)* P. Dwyer / partners, Conception Bay South  
*Isle aux Morts: Zn-Pb-Cu-Ag-Au (Southern Newfoundland)* S. Keats, Benton  
*Jonathon's Pond: Au (central Newfoundland)* for R. Crocker, Benton  
*Jumpers Brook: Au (Central Newfoundland)* A. Aleksejev and D. Toms (Mt. Pearl)  
*Kelligrews: Cu (Avalon Peninsula)* for P. Dwyer and partners, Conception Bay South  
*Kelstone: Au (Avalon Peninsula)* D. Kelly, Marystown  
*Kim Lake: Au (Southern Newfoundland)* S. Stares, Benton

*Kippens: Zn (Western Newfoundland) S. Stares, Benton*  
*Kitchen: Au-Zn (Burin Peninsula) K. Kelloway, Burin Bay Arm*  
*Limerick - Stirling: Cu-Au (Baie Verte - Green Bay region) A. Turpin, Mt Pearl*  
*Little Joe Glodes: Ni-Cu-Co (Central Newfoundland) B. Mercer, Grand Falls*  
*Little Rattling Brook: Au (Baie Verte - Green Bay region) for C. George, Grand Falls*  
*Little River: Au (Southern Newfoundland) D. Hicks, Milltown*  
*Liverpool Brook: Cu-Ni-PGEs (Western Newfoundland) D. Walsh, Logy Bay*  
*Lloyds Lake: Cu-Zn-Pb-Au (Central Newfoundland) for K. Keats, Gambo*  
*Lodestar: Au-Zn-Cu (Burin Peninsula) for Nath Noel, CBS*  
*Lonely Otter: Au (Central Newfoundland) for R. Quinlan (Birchy Bay)*  
*Loon Bay: Au - Central Newfoundland for P. Crocker, Cape Broyle*  
*Loon Pond: Au-Ag-Zn-Cu-Pb (Baie Verte - Green Bay region) S. Stares, Benton*  
*Lunch Pond: U-F (Burin Peninsula) K. Ryan, St. John's*  
*Main Brook: U (Burin Peninsula) S. Stares, Benton*  
*Miles Cove Mine Property: Cu-Zn (Central Newfoundland) for D. Walsh, Paradise*  
*Mint Brook: Au (Northeaster Newfoundland) W. Sweetapple and partners, Gambo*  
*Mt. Margaret: U (Burin Peninsula) K. Ryan, St. John's*  
*Muddy Gullies: PGE (Central Newfoundland) for J. Bouzane, St. John's*  
*Musket Property: Au (Central Newfoundland) for G. Pardy, Grand Falls*  
*Natlins Brook: Cu-Au (White Bay area) for T. McLennon (Grand Falls)*  
*Nippers Harbour: Cu-Au (Baie Verte - Green Bay region) for E. Martin, St. John's*  
*Nitty Gritty: Cu-Au-U (Southern Newfoundland) A. Turpin, St. John's*  
*Nf. Tantalum Property: Ta (Central Newfoundland) for S. Stares, Benton*  
*Northwest Cove: Mo (Southern Newfoundland) A. Turpin, Mt. Pearl*  
*Ocean Pond: Mo (South Central Newfoundland), D. Hicks, Milltown*  
*Oderin Island: Cu (Placentia Bay) K. Ryan, St. John's*  
*O'Sullivan Property: Au (White Bay area) for K. Keats, Gambo*  
*Otter Brook: Au (Central Newfoundland) for G. Lannon, C. and P. Reid*  
*Otter Island: Cu (Baie Verte - Green Bay region) D. Walsh, Logy Bay*  
*Paradise Lake: Au (Central Newfoundland) G. Lannon, Placentia*  
*Paradise River: Cu-Ni-Au-U (Eastern Labrador) J. Weick, St. John's*  
*Pasadena: Au-U (Western Newfoundland) D. Hicks, Milltown*  
*Pastureland Road Property: Zn-Cu-Pb-Ag-Au (Avalon Peninsula) for A. Turpin, Mt Pearl*  
*Peyton Property: Au (Central Newfoundland) for G. Lewis, Grand Falls*  
*Phillip's Brook: Au (Southern Newfoundland) R. Quinlan, Birchy Bay*  
*Pilley's Island: Cu-Zn-Pb-Ag-Au (Notre Dame Bay) S. Stares, Benton*  
*Pipestone Pond: Cr-Ni-PGEs (Central Newfoundland), D. Hicks, Milltown*  
*Pumbly Cove: Cu-Ag (Avalon Peninsula) R. French, Carbonear*  
*Red Bed Copper Prospect: Cu (Avalon Peninsula) G. Burridge (New Perlican)*  
*Red Cross Lake property: Ni-Cu (Central Newfoundland) for K. Keats, Gambo*  
*Red Island: U-REEs (Placentia Bay) T. McLennon, Grand Falls*  
*Rocky Pond Property: Au (Northeastern) for K. Ryan, St. John's*  
*Rope Cove Canyon Property: Cu-Ni (Western Newfoundland) K. Ryan, St. John's*  
*Rose Blanche: Au-Silica (South Coast), J. White, St. John's*  
*Roti Bay: Pb-Zn-Ag (Southern Newfoundland) D. Hicks, Milltown*  
*Round Pond: Zn-Pb (Western Newfoundland) for J. White (St. John's)*

*Round Pond: Zn-Pb (Western Newfoundland) D. Slaney, Port-aux-Basques*  
*Rushoon property: Cu (Burin Peninsula) for G. Quirke (St. Mary's)*  
*Second Exploits: Au-U-Ag-Zn-Pb (Southwestern Newfoundland) C. Reid, Bishop's Falls*  
*Shatter Cliff: F (Burin Peninsula) K. Ryan, St. John's*  
*Sheep Brook: Ni-Cu-Co-PGEs (Western Newfoundland) G. Hull, Paradise*  
*Sheffield Lake: U (Central Newfoundland) S. Stares, Benton*  
*Shoal Bay: Au (Northeastern Newfoundland) R. Quinlan, Bircy Bay*  
*Silver Cove Property: Au (southern Burin Peninsula) D. Kelly and A. Stone, Marystown*  
*Smokin' Joe: U-Au-Sn (Eastern Newfoundland) Herb Froude, Clarenville*  
*Starkes Pond: Cu-Au (Central Newfoundland) J. Weick, St. John's*  
*St. Julien's: Cu-Au (Western Newfoundland) McGrath brothers, St. Julien's*  
*St. Patrick's: Cu-Au (Notre Dame Bay) S. Stares, Benton*  
*Stephenville: (Stephenville) D. Cormier,*  
*Sullivan Pond: Cu (North Central Newfoundland) S. Stares, Benton*  
*T Lush claims: Au (Central Newfoundland) for T. Lush (St. John's)*  
*Tammy's Dream: Cu-Au-U (Eastern Newfoundland) for R. Parsons, Clarenville*  
*Terra Nova: U (Eastern Newfoundland) D. Hicks, Milltown*  
*Thanksgiving: Au (Southern Newfoundland) G. Lushman and partners, Corner Brook*  
*Thomas Pond: Au (Avalon Peninsula), J. White, St. John's*  
*Tom Joe Brook: Au (central Newfoundland) for P. Dimmell, St. John's*  
*Torrent River: U (Western Newfoundland) K. Keats, Benton*  
*Tug Pond East: Au (Burin Peninsula) for E. Hussey, St. John's*  
*Twilight: Au (Central Newfoundland) G. Lannon, C. & P. Reid, Placentia, Bishops Falls)*  
*Velvet Heart Property: Au (Avalon Peninsula) for A. Turpin, Mt Pearl*  
*Weir's Pond: Au (Northeastern Newfoundland) S. Stares, Benton*  
*Whale Cove: Au (southern Burin Peninsula) for D. Kelly and A. Stone, Marystown*  
*White Bay Property: Au (Western Newfoundland) for K. Keats, Gambo*  
*White's River: Silica (Western Newfoundland) D. Hicks, Milltown*  
*Wild Bight: Cu-Au (Northern Newfoundland) D. Hicks, Milltown*  
*Wilson Lake: Fe (South Central Labrador) D. Blake, Happy Valley - Goose Bay*  
*Winterhouse Brook: Cu-Ni-Au-PGEs (West Coast), D. Hicks, Milltown*

## REGIONAL POSTERS

In 2008, the Properties for Option maps, Booklet and CD - ROMs were updated for distribution and display at the local and national conferences listed below. These publications were made available on the Properties for Option CD-ROM and for viewing or download on the MMR website.

- A Selection of Gold Properties Available for Option in Newfoundland
- A Selection of Properties Available for Option in Labrador
- Properties Available for Option in Newfoundland and Labrador Booklet
- Prospecting Environments in Newfoundland Map
- Prospecting Environments in Labrador Map (*latter two prepared in conjunction with the Geological Survey Branch*)

## COMMODITY POSTERS

In 2005 and 2006, the MMR developed a set of six Commodity Posters, which are used primarily for display purposes, and modified annually:

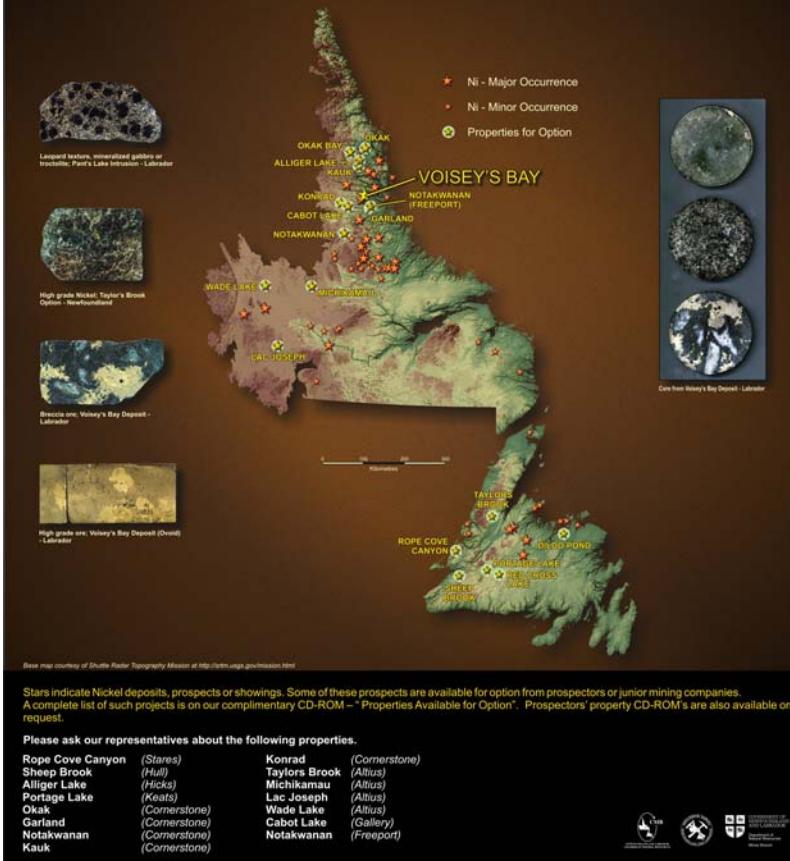
- Gold - *Orogenic, VMS-related and Other Gold systems*
- Gold - *Epithermal and Intrusion-Related Gold systems*
- Copper/Zinc - *VMS, Volcanic Red Bed and Sediment hosted stratiform Cu-Ag and Intrusion-related Cu–Au and Cu–Mo systems*
- Uranium
- Nickel
- Tungsten, Molybdenum and Antimony

Properties for option are highlighted on each commodity poster and are shown in relation to other prospects/showings of that same commodity, developed or developing mines and optioned properties.

Posters are available as pdfs on the MMR website and on the aforementioned CD-ROMs. Access databases are being developed with active links to the poster so that internet users will eventually be able to click on a property for option and download pertinent information.

# EXPLORE NEWFOUNDLAND & LABRADOR

# NICKEL:



*Commodity poster - Nickel*

## LINKS WITH THE SOCIETY OF ECONOMIC GEOLOGISTS

In 2005, the MMR forged a new link with the next generation of economic geologists by partnering with the newly-minted Society of Economic Geology (SEG) Student Chapter at MUN. SEG members continued to help the MMR at Mineral Resources Review 2008.

Students kindly provided on-site support to the Matty Mitchell Booth and were available to assist prospectors in the promotional displays. This collaboration is to our mutual benefit, and to that of the prospectors we support.

## PARTICIPATION IN PROSPECTOR TRAINING COURSES

- Stephenville, June 5<sup>th</sup> - 7<sup>th</sup>, 2008
- Happy Valley - Goose Bay, August 16<sup>th</sup> - 21<sup>st</sup>, 2008

The MMR geologist made presentations to the eighteenth annual Prospectors course in Stephenville and to the third annual Labrador Prospectors course, which was held in Happy Valley-Goose Bay.

## WORKSHOP FACILITATION - INTRODUCTION TO PROSPECTING

- St. Lawrence, 18<sup>th</sup> - 19<sup>th</sup> July, 2008

In July, the MMR collaborated on delivering a two-day prospecting seminar and field trip in St. Lawrence. This undertaking was part of the MMR public outreach initiative, working in conjunction with the Chamber of Mineral Resources and the Geological Survey, Department of Natural Resources.

## OTHER OUTREACH

On May 10<sup>th</sup>, the MMR geologist participated in a one-day careers fair held in Bay Roberts for local schools.

## SAMPLE LIBRARY AND OTHER RESOURCES

In 2008, work continued on cataloging and expanding our collection of samples and other resource materials on geology, mineral deposits, commodities, mineral exploration and the mining industry. Friends of the MMR continue to donate books and materials to the collection; we encourage all readers to remember our collection the next time you thin out your bookcases.

New samples from across the province and from new and existing mines and prospects from other parts of Canada, Cuba, Mongolia, South America and Australia were added to the collection. Canadian contributions to our rock and mineral collection included kimberlites from Nunavut and the Northwest Territories. Samples from the MMR collection are also incorporated into our displays and public information initiatives used in our workshops around the province.

## OTHER INITIATIVES

**WEBSITE:** Improvements to the MMR website ensure timely updates are made and have improved our service to our clients in rural Newfoundland and Labrador. An "Exploration Highlights" page, which focuses on companies actively exploring in the province, was added. This page is compiled in conjunction with others in the Mines Branch and is updated monthly.

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Government of Newfoundland and Labrador - Canada

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**Matty Mitchell**  
**Prospectors Resource Room**

This area contains information about and on services provided by the Matty Mitchell Prospectors Resource Room, a privately and publicly funded, drop-in, educational and professional development facility for prospectors and amateur rock and mineral collectors.

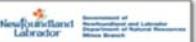
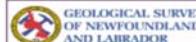
This site and its content is maintained by the Matty Mitchell Prospectors Resource Room committee.

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- [About the Room](#)
- [About Matty Mitchell](#)
- [Prospector Assistance Programs](#)
- [Prospector Information and Articles](#)
- [Location and Contact Information](#)
- [Properties for Option from Prospectors of Newfoundland and Labrador](#)
- [Matty Mitchell Report 2005](#) (pdf - 1.3 mb)
- [Review of Activities](#)
- [Province Active Properties Map](#) (pdf) new
- [Explore Newfoundland and Labrador Commodity Posters](#)
- [Exploration Highlights](#)

**Matty Mitchell Prospectors Resources Room Partners:**

*MMPRR website*

## PROPERTY DATABASES

The MMR continued work on assembling databases and applications for digital management and production of Properties for Option series and other posters. Master spreadsheets were developed for properties available for option (and other prospects), and have been integrated with Geological Survey databases where possible. An application has been developed to keep the database updated. Trial ArcMap or MapInfo templates have been developed to produce wall-size maps, and the development of an interactive internet mapping page to view current properties for option is in progress.

## PUBLIC AWARENESS INITIATIVES

As in past years, the MMR continued to undertake public awareness initiatives to help promote prospecting and the possibilities of new economic development linked to the minerals industry. The MMR once again collaborated with the Chamber of Mineral Resources and the Geological Survey in displaying prospecting information at the Baie Verte Mining Conference and the Expo Labrador Conference.

A colored flyer reporting on our Activities for 2008 was developed late in the calendar year and circulated to our clients, as well as local zone boards, community councils and selected exploration companies across Canada.

The MMR continues to develop outreach initiatives to promote itself and its services to the public.

## ACKNOWLEDGEMENT OF IN-KIND SUPPORT

*The MMR acknowledges the "in-kind" support it has received from the Geological Survey Division throughout 2008. The Geological Survey continued to supply a wide range of office support (e.g., communications, photocopy, clerical assistance) as well as extensive cartographic advice and support, including access to certain cartographic hardware and materials. The Survey's geoscientific input level remains significant, and includes one-on-one consultations, help with prospector posters, input into display material, provision of reference materials and other data, on-site support in the Resource Room and at conferences and trade shows. The amount of time that Survey staff devotes to the Resource Room varies throughout the year, typically peaking around Mineral Resources Review, Mineral Exploration Roundup and PDAC conferences. Members of the Survey staff play a major role in seeing short- and long-term objectives are met. The Department of Natural Resources offers additional in-kind support in the form of office and storage space and network access.*