

## **REPORTS ON TECHNICAL LIAISON COMMITTEES**

Technical Liaison Committees, acting as advisory bodies to government sponsored geological programs bearing on the mineral resources of the province or territory, arose out of a suggestion by the Prospectors and Developers Association to the Committee of Provincial Geologists. The introduction of such committees was formally endorsed by the Mines Ministers at their 40th Annual Meeting held in Regina in 1983.

### **THE YUKON MINERAL EXPLORATION LIAISON COMMITTEE**

The Yukon Mineral Exploration Liaison Committee (YMELC) was formed in spring of 1984. Chairman is the Chief Geologist of Exploration and Geological Services Division (EGSD) of the DIAND Northern Affairs Program in Yukon. The YMELC meets semi-annually in the spring and fall and is used as a consultative group to advise on the merits and wherewithal of projects currently being undertaken, finished and being considered for the future of EGSD. Minutes of the meetings (including YMELC recommendations and comments) are directed to the Director of Mineral Resources with northern Affairs Program in Yukon.

#### **Membership are as follows:**

President of the Yukon Chamber of Mines,  
President of the Yukon Prospectors Association,  
Representative of the executive of the Whitehorse Branch of the Canadian Institute of Mining and Metallurgy,  
Representative of a major private sector mineral concern in Yukon (currently Hudson Bay Exploration and Development),  
President of the Klondike Placer Miners Association,  
Representative of the Government of Yukon, Department of Mines and Small Business,  
Chief Geologist, Exploration and Geological Services Division, Department of Indian Affairs and Northern Development, Yukon.

The committee ensures that communication is maintained between the mineral exploration industry and the Exploration and Geological Services Division. Results include the following:

- establishment of an annual "end of field season" meeting to be held in Whitehorse in October of each year to informally summarize EGSD and industry field season results,
- prioritizing of areas to be geologically mapped in detail,
- establishment of a committee to arrange the Whitehorse Geoscience Forum and also to advise on its scheduling,
- airing and discussion of government projects to ensure maximum usefulness to the mineral exploration industry.

### **THE NORTHWEST TERRITORIES MINERAL EXPLORATION LIAISON COMMITTEE**

The Committee's Terms of Reference are to advise the appropriate level of government of its evaluations and recommendations regarding government related mineral activity in the Northwest Territories, concentrating on the activities of the Geology Division of the Northern Affairs Program.

At present the Committee has a member from the Geological Survey of Canada, two members from the Northern Affairs Program Geology Division, four representatives from the Northwest Territories Mining Industry, and a representative from the Geology Department at the University of Alberta.

The committee had one formal meeting in 1985. The difficulty of getting the committee members together in Yellowknife was the main impediment to meeting more often.

The committee requested that the Minerals Directorate of the Northern Affairs Program standardize its map scales by:

- (1) having preliminary geological maps drawn at international standard scales; and
- (2) switching all claim maps to standard 1:50 000 Surveys and Mapping Branch topographical sheets as soon as such maps are available.

### **BRITISH COLUMBIA GEOLOGICAL SURVEY TECHNICAL LIAISON COMMITTEE**

The Technical Liaison Committee was formed in 1984 at the request of the Minister of Energy, Mines and Petroleum Resources to support the Geological Survey Branch, recommend and criticize projects of the Branch, document industry comments and reactions to programs and give assistance and support in Geological Survey Branch presentations to Treasury Board.

Since then, the Committee has scheduled two meetings a year. One is held in Victoria in the Fall to meet with Geological Survey employees to review progress of individual projects; the second is held in Vancouver in the Spring to review planned projects and budgets for the coming year. Other meetings are called to discuss extraordinary business that may arise.

Mandate of the committee is as follows:

- 1) to aid and stimulate the growth of the mineral resource industry in British Columbia by the collection and dissemination of geological data,
- 2) to co-ordinate mapping with the Geological Survey of Canada,
- 3) to identify natural hazards, and
- 4) to make liaison with other departments within the government.

The Technical Liaison Committee comprises eight individuals from varied aspects of the geological community in British Columbia. A list of current members follows:

R. Smyth; Geological Branch; Ministry of Energy, Mines and Resources

D. McKelvie; Coal Division; Denison Mines Ltd.

R.S. Hewton; Exploration Office; Cassiar Mining Corporation

C.A. Aird; Esso Minerals Canada

H.D. Meade; Mining Division; Westmin Resources Ltd.

A.J. Sinclair; Department of Geological Sciences; University of British Columbia

O.E. Owens; Exploration; Cominco Ltd.

R.B. Campbell; Geological Survey of Canada

In addition to regular comments on specific programs, the Technical Liaison Committee has made the following recommendations:

- 1) Up-to-date field maps are a basic need of the mineral industry and society at large. Their preparation should be the primary activity of the Geological Survey Branch,
- 2) Current financing of the Geological Survey Branch is insufficient to allow it to accomplish the foregoing mandate. Budgets should be increased to allow field mapping to be undertaken. MDA funding has temporarily overcome the shortage of funds but long-term planning should include increases.

- 3) A staff geologist is required in Vancouver to be available to the large mining-exploration population resident there. Geological Survey Branch has acted upon this recommendation and a Vancouver office is being opened.
- 4) Nominations for an Advisory Committee to the Analytical Laboratory were provided to Geological Survey Branch.
- 5) Suggestions for field projects and types of surveys to be conducted using Mineral Development Agreement Funds.

### **ALBERTA GEOLOGY ADVISORY COMMITTEE**

The program of the Alberta Geological Survey is reviewed annually by the Geology Advisory Committee.

The Committee:

Provides advice to the Director of the Natural Resources Division of the Alberta Research Council; meets at least once a year to review all Alberta Research Council projects involving geology in order to provide advice on research methods and approaches being utilized, the direction of effort and the nature and quality of the outputs; and maintains an interface with external advisors who provides advice for strategic planning related to needs for geological research in all of the Council's program areas.

The committee consists of at least nine external members, from whom the Chairman is selected, and includes representatives from:

- Energy company – major
- Energy company – small independent Canadian
- Minerals company
- Canadian Society of Petroleum Geologists
- Alberta Energy and Natural Resources
- Geotechnical Consulting Company
- Energy Resources Conservation Board
- Geological Survey of Canada
- Geology Department of an Alberta university

It also includes three members of staff of the Alberta Research Council as follows:

- Director of the Natural Resources Division, who attends as an observer and relays advice from the Committee to the appropriate Program Committee or Research Committee of the Alberta Research Council;
- Head of the Alberta Geological Survey who serves as an information resource to and receives advice from the Committee, but does not participate in its deliberations; and
- Research Officer (recording secretary).

Membership term on the committee is three years, with turnover dates staggered so that one third of the membership changes annually.

## SASKATCHEWAN GEOLOGICAL LIAISON COMMITTEE

The Saskatchewan Geological Liaison Committee was drawn together following the direction of the 40th Provincial Mines Ministers' Meeting in Regina, Saskatchewan, 1984. Membership of the committee is designed to reflect a cross-section of the working geological milieu of the province, and totals 8 as taken from the Saskatchewan Geological Survey, Saskatchewan Research Council, the University of Saskatchewan, the University of Regina, the Saskatchewan Mining Association, the Canadian Institute of Mining and Metallurgy – Geology Division, the Prospectors and Developers Association (Saskatchewan – Manitoba) and the Independent Mineral Developers Association.

Objective of the committee is to preview and review programs of the Saskatchewan Geological Survey in order to provide input to projects with respect to industry concerns and linkages with sister organizations.

Membership has been as follows:

- G.L. Colborne (PDA) – Chairman
- J.E. Christopher (SGS) – Secretary
- R. Arnold (S.R.C.)
- L.A. Clark, R.T. Laine (C.I.M.)
- D.M. Kent (U. of R.)
- L. Homeniuk, K. Lehnert-Thiel (S.M.A.)
- E.G. Nisbet (U. of S.)

A major concern of the committee in the year was focussed on the restricted size of the Geological Survey's budget and consequently the scope of its program. The constraint impacted most heavily on the higher cost field mapping and mineral development projects, but it was also noted that the program areas in petroleum geology and industrial minerals were operating at near minimum levels.

Another concern arose from out of the broad base of the committee itself. Its membership is drawn from the 4 major geological institutions, 1 professional society and 3 industry representative groups. This spread of membership created a divergence of viewpoints with respect to objectives:

- a) the short-term versus the long-term;
- b) a focus on the precious metallic minerals related programs versus minerals and geology of the sedimentary basins, and
- c) the role of the Geological Survey vis-à-vis the other institutions.

Pragmatism mandated a concentration on (a), the short-term, because survival of the mapping projects in Precambrian Geology was necessary to long-term progress of the Geological Survey, and on (b), the igneous-metamorphic geology-precious metals projects, because of the entry of the Canada-Saskatchewan Mineral Development Agreement and its energizing impact in this area. Additionally, response time would be shortest with respect to the needs of the many small operators for mineral prospecting-related geological information.

As a result of the committee's deliberations, the Geological Survey was advised to improve its public relations advertisements by articles in the mineral industry media. This was done with 2 articles in the « Prospect », paper of the Independent Mineral Developers Association. The committee, for its part, provided an effective lobby for projects pertinent to the developing gold play in northern Saskatchewan.

## MANITOBA MINERAL EXPLORATION LIAISON COMMITTEE

A Mineral Exploration Liaison Committee similar to those now operating in other provinces has been established in order to facilitate a more formal dialogue with industry and to solicit comment on the appropriateness of initiatives under Sector A of the Canada-Manitoba Mineral Development Agreement (MDA). Invitations for representation were distributed to the Manitoba Mining Association, the Canadian Institute of Mining and Metallurgy-Winnipeg Branch, the Prospectors and Developers Association and the Manitoba-Saskatchewan branch of the Prospectors and Developers Association. On March 28, 1985, copies of the approved workplan for 1985/86 were sent to these organizations in order to brief them on the work to be undertaken in 1985. Throughout the remainder of the year the committee was kept informed on and was able to monitor activities under the MDA, as the work progressed.

The first formal meeting of the Mineral Exploration Liaison Committee was held on November 21st, 1985, to invite comment from Industry on the acceptability of the programming, as well as suggestions for new initiatives or modifications to the existing format.

A subsequent letter from the regional representative of the PDA to National President, PDA, endorsed the focus and scale of the programming and acknowledged the input of both Federal and Provincial agencies, indicating that "the program as a whole remains as planned and scheduled.....".

The 1986 annual Meeting with Industry in Winnipeg is currently scheduled for November 20th and 21st. The second meeting of the Mineral Exploration Liaison Committee will take place on or close to these dates.

## ONTARIO GEOLOGICAL SURVEY TECHNICAL LIAISON COMMITTEE

In 1984 mining, exploration, geoscience and university associations were invited to nominate representatives to a Technical Liaison Committee which would assist in strengthening ongoing communication and relevance of Ontario Geological Survey (O.G.S.) programs. The Committee met for the first time in 1985 and meets twice a year. There are currently eight committee members:

J. Chivers  
(W.T. Chatham Associates Ltd.)  
Rep: Ontario Petroleum Institute

R.H. McMillan  
(Westmin Resources)  
Rep: Canadian Institute Mining & Metallurgy

J.F. Church  
(INCO Limited)  
Rep: Ontario Mining Association

V.G. Milne  
Director  
Ontario Geological Survey

C.J. Hodgson  
(Queen's University)  
Rep: Council University  
Departments-Geology

R.E. Van Tassell  
(Dickenson Mines Ltd.)  
Rep: Prospectors & Developers Association

I. Jennings  
(Jennings Engineering)  
Rep: Aggregate Producers  
Association, Ontario

R. Wallis  
(Billiton Canada Ltd.)  
Rep: Geological Association of Canada

The Committee reports to the Assistant Deputy Minister, Mines and Minerals Division, Ministry of Northern Development and Mines.

In the past advisory liaison and communication between the mineral industry, university community and the O.G.S. has been largely ad hoc in nature. Individual and temporary committee interactions with mineral industry and geoscience associations have, over the years,

provided valuable input to the development of operational initiatives in the O.G.S., but these temporary interactions do not provide for continuity, progressive understanding and well balanced advice in the broader perspective of programs.

The benefits anticipated from the Technical Liaison Committee are in improvement of:

- communication and co-operation,
- understanding of industry and research interests,
- O.G.S. program focus and new initiatives,
- advisory comment on program policy, strategy and budget, and
- evaluation of feedback on programs.

In seeking representation, technical relevance, broad communication and a group of practical size, the committee has been comprised of association representatives who can bring to the group broad-based, objective and technically focussed viewpoints. Committee meetings during the year are timed to provide input to the Survey's program planning and strategy development process.

The initial meetings have, in large part, involved development of background understanding of the Survey's current and immediate future program, and of recent changes in the organization. The Committee has provided valuable perspective in these areas and has already contributed strategically to new program initiatives being developed for 1986. It is expected that Ontario will benefit significantly in the long term from the Committee's influence upon the relevance of the Survey's programs.

## **COMITÉ CONSULTATIF DE LA DGEGM**

### **MINISTÈRE DE L'ÉNERGIE ET DES RESSOURCES QUÉBEC**

#### **Historique et rôle**

En 1983, la DGEGM s'est doté d'un Comité consultatif. Son rôle est de faire, au sous-ministre associé, les recommandations utiles pour l'élaboration de la politique d'exploration minérale de la DGEGM et de conseiller la DGEGM sur l'élaboration de ses programmes de recherche géologique et minérale au Québec. Le Comité consultatif agit comme liaison entre l'industrie, les universités et la DGEGM de façon à promouvoir des actions prioritaires.

#### **Sa composition**

Le Comité consultatif se compose d'au plus dix (10) personnes nommées pour un mandat n'excédant pas deux (2) ans par le ministre de l'Énergie et des Ressources. Le mandat est renouvelable. Ces personnes, dont deux (2) proviennent de la DGEGM, six (6) de l'industrie et deux (2) du milieu universitaire, sont reconnues pour leur compétence dans tous les domaines de l'exploration minière au Québec.

Le comité actuel 1985-1986/1986-1987 est composé de:

M. André F. Laurin	Sous-ministre adjoint (MER)	Président
M. Jean-Louis Caty	Directeur, Rech. géol. (MER)	Secrétaire
M. Jean Boissonnault	Cambior	Val-d'Or
M. Guy Perrault	Ecole Polytechnique	Montréal
M. Michel Gauthier	Université du Québec	Montréal
M. Denis Simoneau	Soquem	Québec
M. Denis Francoeur	Explorations Noranda	Noranda

M. Roger Doucet	Minerais Lac Ltée	Malartic
M. T. Flanagan	Flanagan, McAdam Ltée	Toronto
M. Bernard Coulombe	J.M. Asbestos	Asbestos

### **Son fonctionnement**

Le président et le secrétaire proviennent des deux membres de la DGEGM.

Le Comité consultatif tient au moins deux réunions par année à Québec: l'une au printemps et l'autre à l'automne.

### **NEW BRUNSWICK INDUSTRY ADVISORY COMMITTEE**

This committee was set up several years ago so that the spectrum of geoscience data users could have input in formulating provincial geoscience and mineral development programs and strategies.

The members represent the Mining and Mineral Exploration Industry, universities, the Prospectors and Developers Association and private consulting firms. The government representatives are the assistant Deputy Minister (N.B. Mineral and Energy Resources), and the directors of the Geological Surveys and Mineral Development branches (Mineral Resources Division).

The committee was scheduled to meet once in November and again in the early part of the next year. The last meeting was held on November 26, 1985, in Fredericton. However, there was no follow-up meeting. The 1985 committee comprised A. Wayne Lockhart (consulting Geologist), B. Bourgoïn (Durham Resources), O. Bonham (Rio Algom Exploration Inc.), P. Dimmell and T.G. Mersereau (N.B. Prospectors and Developers Association).

### **NOVA SCOTIA ADVISORY COMMITTEE ON GEOSCIENCE PROGRAMS**

In Nova Scotia, liaison between the Department of Mines and Energy and external agencies was formalized in early 1986, in order to provide a structured review of geoscience programs on a regular basis. A broad spectrum of geoscience interests exists in Nova Scotia, represented by the exploration/mining community, both Provincial and Federal government agencies, a crown corporation (Nova Scotia Research Foundation) and six degree-granting institutions. Liaison between government agencies in Nova Scotia is maintained through mutual involvement in the Canada-Nova Scotia Mineral Development Agreement. The advisory committee therefore was structured to enhance links with the exploration/mining groups and with the academic community.

The Nova Scotia Chamber of Mineral Resources was invited to nominate two members to the Advisory Committee. The academic geoscience community was approached through the Atlantic Provincial Council on the Sciences (APICS) with similar request for two nominees. It was agreed that these four committee members, although representing their respective organizations, should be free to express their individual opinions rather than opinions or policies of the organizations.

The committee meets at least once and preferably twice per year with senior representatives of the Department. Meetings are chaired by the Director, Mineral Resources Division. The committee mandate is to become informed and to advise on a general basis. It does not attempt to manage programs or give specific management direction.

The committee files a confidential report with the Director of Mineral Resources with copies to APICS and the Chamber of Mineral Resources. The Department is expected to respond to the committee report.

Initial members of the Advisory Committee were, from APICS, Drs. M. Zentilli and S. Barr, and from the Chamber of Mineral Resources, Mr. J. Amireault and Mr. R. Mosher. One member from each organization will continue to serve in 1987 in order to maintain continuity and current familiarity with on-going programs.

The Advisory Committee on Geoscience Programs is relatively new and will no doubt evolve into an increasingly effective link between industry, government and the academic sector. Initial discussions have stimulated significant changes and improvements in at least one major program. Nova Scotia looks forward to expanded communication of benefits to all concerned through the activities of the committee.

## **NEWFOUNDLAND AND LABRADOR TECHNICAL LIAISON COMMITTEE**

The Technical Liaison Committee for the Mineral Development Division of the Newfoundland Department of Mines and Energy was formed late in 1984 and held its first meeting in February, 1985. The Committee consists of four members of the Newfoundland and Labrador Explorationists (NALE) and one representative of the Earth Science Department at Memorial University. Present members are Dr. Geoffrey Thurlow (B.P.-Selco), Mr. James Robertson (Kidd Creek Mines), Mr. Lewis Murphy (Murphy Corp.), Mr. Dan MacInnes (Noranda Exploration) and Mr. Toby Rivers (Memorial University).

The Committee's terms of reference are:

- (1) to review the geoscientific programs of Mineral Development Division and recommend changes or additions which will maximize the usefulness of these programs to the exploration industry;
- (2) to provide the Division with a continuing evaluation of its geoscientific programs, and to participate in formal evaluations which may be required for specific programs from time to time.

The Committee meets once annually and reports in writing to the Minister of Energy and Mines.

Both the Department and NALE feel that the Committee offers a valuable opportunity for industry input into the planning of government geoscientific programs. The Committee's recommendations that more emphasis be placed on gold, that 1:250 000 compilation maps be prepared, and that lithogeochemical studies of volcanic suites be undertaken, were all implemented in the Division's 1986 program. Action on other recommendations is being initiated or is under study.

## SURVEY OF FEDERAL—PROVINCIAL MINERAL DEVELOPMENT AGREEMENTS

Province or Territory	Total \$ Value of Agreement (\$ million)	Cost Sharing Formula	Time Period	Delivery % Canada % Province	Major Components/Projects			Industry Involvement (e.g. Tech. Comm.)	Contact Person & Tel. No.		
					Project Name	Budget (\$,000's)	Delivery (Prov. or Canada)				
British Columbia	\$10	50/50	1985-1990	96% B.C. 4% Can.	Geoscientific Surveys — mapping	6 650	90% B.C.	Industry Technical Liaison Committee advises on projects	G. McKillop (604) 387-5975		
					— geochemistry						
					— industrial minerals investigations						
					Geoscience Data Systems — MINFILE update					450	94% B.C.
					Market, Technical & Feasibility Studies					750	100% B.C.
Financial Assist. for Mine Development — Engineering Studies	1 620		Industrial Minerals Advisory Sub-Committee								
Management, Public Info., Evaluation	530										
Saskatchewan	\$6 380	N/A	1984-1989	50 Can. 50 Sask. Parallel Work Delivery	<b>Geoscience</b>	5 340	41.2 Can. 51.8 Sask.	Sask. Geological Liaison Committee	J. E. Christopher		
					Geophysics	1 000	100 Can.				
					Mineral Deposits	500	100 Can.				
					Geochemistry	700	100 Can.				
					Gold Belt Geology	2 690	100 Sask.				
					Industrial Minerals	50	100 Sask.				
					Biogeochemistry	400	100 Sask.				
					<b>Minerals Technology</b>	400	100 Can.				
					<b>Mineral Development</b>	400	100 Can.				
					<b>Public Information</b>	240	79.2 Can. 20.8 Sask.				
Manitoba	24.7	60% Fed. 40% Prov.	1984-89	60% Can. 40% Man.	<b>Sector A Geoscientific Activities</b>	13 000	38.5% Man.	Mineral Exploration Liaison Committee	W. D. McRitchie (204) 945-6559		
					<b>Sector B Research &amp; Technology</b>	7 430	37.2% Man.			Mining Liaison Committee	
					<b>Sector C Development Studies</b>	1 770	50% Man.				
					<b>Sector D Public Information, Evaluation and Administration</b>	2 500	50% Man.				
Ontario	\$30	50/50	1985-1990	63% Ont. 37% Can.	<b>Geoscience Program Information Exchange</b>	18 350	64% Ont. 100% Ont.	Program Planning Review with Tech. Liaison Comm. prior to work plans submission	R. Watson (416) 965-1546		
					<b>Productivity &amp; Technology</b>	3 550	100% Ont.			Discussion with industry groups prior to project proposals	
					<b>Economic Development</b>	4 500	96% Ont.				Ongoing discussion with industry groups
					<b>Public Information, Evaluation and Administration</b>						

Province or Territory	Total \$ Value of Agreement (\$ million)	Cost Sharing Formula	Time Period	Delivery % Canada % Province	Major Components/Projects		Delivery (Prov. or Canada)	Industry Involvement (e.g. Tech. Comm.)	Contact Person & Tel. No.
					Project Name	Budget (\$,000's)			
Québec	\$100	50/50	1985-1990	96% Qué. 4% Can.	5 Volets				
					1. Activités géoscientifiques	34 750	Québec	—	J. L. Caty 643-1803
					2. Recherche et développement sur l'amiante	8 000	Québec-Canada		à déterminer
					3. Infrastructure de développement minéral	42 000	Québec		A. Jean 643-4896
					4. Désenclavement de l'industrie québécoise du minéral de fer	15 000	Québec		G. Richard 643-4410
					5. Information au public	250	Québec		M. Lecours 643-1803
New Brunswick	\$22.3	—	1984-1989	30% N.B. 60% Can.	<b>GEOSCIENCE</b>				
					Metallic Mineral Dep.	3 020	26% N.B.	—	ADM -
					Regional Geology	3 590	39% N.B.		R. R. Potter
					Geochemistry	300	0% N.B.		North -
					Geophysics (Gravity Surv.)	2 110	11% N.B.		J. J. Davies
					Surficial Geology and Till Geochemistry	1 900	0% N.B.		Central -
									L. R. Fyffe
									South -
					Geoscience Compilation	1 153	100% N.B.		A. A. Ruitenber
					Drill Hole Core Mgt.	300	100% N.B.		GSC -
									F. D. Anderson
									W. H. Poole
					<b>MINING &amp; MINERALS TECH.</b>				
					Ferric Chloride Leach Process	1 700	0% N.B.		G. Greer or
					Manganese Processing Eval.	200	0% N.B.		D. Barnett
					Evaluation of Aggregates	500	0% N.B.		(506) 453-2206
					Potash Mineralogy	200	0% N.B.		
					Backfill-Potash Mines	400	0% N.B.		
					Dewatering in Coal Min.	125	100% N.B.		
					Peat Geochemistry	150	100% N.B.		
					<b>ECONOMIC DEVELOPMENT</b>				
					Manganese Market Review	100	0% N.B.		
					Processing Opportunities	400	0% N.B.		G. Greer or
					Commodity Studies	850	30% N.B.		D. Barnett
					Resource Management Strategies	2 511	100% N.B.		
					Metallurgical Assist.-Small Firms	1 000	0% N.B.		
					<b>PUBLIC INFORMATION, EVALUATION, ADMIN.</b>				
					Public Awareness	117	100% N.B.		
					Prospecting Courses	181	100% N.B.		D. Carroll
					Evaluation, Administration	1 500	0% N.B.		(506) 453-2206
Nova Scotia	\$26.945	60/40	1984-89	60% Can. 40% N.S.	<b>GEOSCIENCE</b>	14 507	62% Can. 38% N.S.	Technical Liaison Committee Reviews Programs	J. D. Keppie MDA Coord. (902) 424-4700
					— Regional Surveys				
					— Mineral Deposits				
					— Metallogeny				
					— Tectonics				
					— Geochemistry				
					— Pleistocene				
					<b>MINERAL TECHNOLOGY</b>	4 982	66% Can. 33% N.S.		
					— Commodity Studies				
					— Minerals Testing				
					<b>DEVELOPMENT STUDIES</b>	1 841	48% Can. 52% N.S.		
					— Market Studies				
					— Inventory Files				
					— Core Library				
					<b>MINERAL INVESTMENT STIMULATION PROGRAM (MISP)</b>	1 600	80% Can. 20% N.S.		
					<b>PUBLIC INFORMATION</b>	1 215	37% Can. 63% N.S.		
					<b>ADMINISTRATION</b>	2 800	47% Can. 53% N.S.		

Province or Territory	Total \$ Value of Agreement (\$ million)	Cost Sharing Formula	Time Period	Delivery % Canada % Province	Major Components/Projects			Industry Involvement (e.g. Tech. Comm.)	Contact Person & Tel. No.		
					Project Name	Budget (\$,000's)	Delivery (Prov. or Canada)				
Newfoundland	\$22	50/50	1984-1989	45% Nfld. 55% Can.	Geoscientific Surveys	16 400	52% Nfld.	Technical Liaison Committee (Indus. & Univers.) advises on projects	B. Greene (709) 576-2763		
					Mining & Mineral Tech.	2 100	29% Nfld.				
					Economic Develop. Studies	1 500	17% Nfld.				
					Public Information, Evaluation and Administration	2 000	30% Nfld.				
Prince Edward Island	\$0.3	80/20	1986-1989	100% P.E.I.	GEOSCIENCE — Onshore Aggregate Resources	290.6	100% P.E.I.	—	W. MacQuarrie (902) 892-1094		
					— Public Information and Evaluation	9.4	100% P.E.I.				
Yukon	\$3.9	90/10 Can./Yukon	1985-1990	100% Can.	1. Geological Mapping — 1:50K Mapping PROJECTS: 85/86 - 105 B 1, 2; 86/87 - 105 B 7, 8; 115 J 9, 10; 115 I 3, 5, 6	1 100	100% Can. (DIAND)	Yukon Chamber of Mines on Management and Tech. Advisory Committees	J. A. Morin (DIAND) (403) 667-3200		
					2. Geochemistry — 1:250K Regional Geoch. Surveys: 85/86 - 105 C, D; 115 I, H; 105 B, F 86/87 - 115 O&N (E½); 115 J&K (E½); 115 G&F (E½);	2 200	100% Can. (G.S.C.)			Yukon Chamber of Mines on Management and Tech. Advisory Committees	A. Clark (EMR) (613) 995-9466
					3. Placer Mining — Research Projects Economic and Environmental 85/86 - 5 Projects 86/87 - 3 Projects	600	100% Can. (DIAND)				
MINERAL RESOURCES SUBAGREEMENT											
Yukon	\$3	100% Can.	1986-1989	100% Yukon	Mining Industry Recovery — Financial Assistance for re-establishment of past producers	3 000	100% Yukon	—	J. Maissan (Government of Yukon) (403) 667-5462		
MINING INDUSTRY RECOVERY SUBAGREEMENT											

## PROVINCIAL DAY AT THE PROSPECTORS AND DEVELOPERS ASSOCIATION CONVENTION

The Prospectors and Developers Association (PDA) Convention, held annually since 1932, traditionally featured a Provincial Day, in which Provincial Geological Surveys were invited to present papers reviewing the provincial exploration scene. Provincial Day was allowed to lapse in the mid-1970s, but was reactivated with a new format at the PDA's 1983 convention.

The new provincial contribution to the PDA convention consists of poster sessions and presentations. The provincial poster session is presented for the full three days of the convention, with each province or territory displaying the results of recent geoscientific work. One morning of the convention is devoted to presentation of papers by the provinces. These papers have a scientific thrust, dealing with the description of mineral deposits and their environments, and the role of geoscience in mineral exploration. Extended abstracts of proposed presentations are reviewed by a selection committee consisting of two provincial geologists, appointed by the Provincial Geologists Subcommittee, and one or two geologists appointed by the PDA Convention Program Committee.

The 1986 PDA convention was held from March 9 to March 12. All provinces and territories, with the exception of Prince Edward Island, participated in the provincial poster displays. Six provinces presented papers at the morning session, entitled "The Provincial Scene". Titles and authors of these presentations are given below:

- Precious Metals in New-Québec – D. Giovenazzo, M. Bélanger and T. Clark.
- New Perspectives on Granite-Related Mineral Deposits in Southern Nova Scotia – A.K. Chatterjee and P.S. Giles.
- Precious Metal-Bearing Deposits in Northern British Columbia: Examples and Future Developments – T. Schroeter.
- Gold Environments and Exploration Opportunities in New Brunswick – A.A. Ruitenbergh and J.L. Davis.
- Platinum-Palladium Distribution and Petrology of the Ultramafic Part of the Bird River Complex, Manitoba – P. Theyer.
- A Comparison of Gold-Bearing Environments in Newfoundland, California and the Carolinas – C.F. O'Driscoll.

ANNUAL REVIEWS OF ACTIVITIES  
PROVINCIAL AND FEDERAL GEOSCIENTIFIC ORGANIZATIONS

Province or Territory Location	Date(s) (No. of Days)	Time for Talks	Universities Involved?	Industry Involved?	Poster Session	Universities Involved?	Industry Involved?	Publication	<sup>1</sup> Energy Matters	<sup>2</sup> Other Topics	Comments
British Columbia Vancouver	27 Jan. 87 (1 of 3)	1 day	Yes	Yes B.C. & Yukon Chamber Annual Meeting	Yes	Yes	Yes	Yes - Geological Fieldwork - B.C. Mineral Exploration Review, 1986	Yes Coal, Geo- thermal	Yes	Part of "Cordilleran Geology and Exploration Roundup" 26 Jan. - GSC 27 Jan. - BCEMPR 28 Jan. - BC-YCM; DIAND-Yukon
Yukon Territory Whitehorse (DIAND)	29 Nov. 86 Whitehorse (1)	1 day	Yes	No	Yes	Yes	No	No	No	Yes	Mainly EDA and contract projects
	28 Jan. 87 Vancouver (1 of 3)	two 2-hour sessions	Yes	No	Yes	Yes	No	No	No	Yes	Part of "Cordilleran Geology and Exploration Round-Up" with BCEMPR BC-YCM, and GSC
Northwest Territories Yellowknife (DIAND)	1 - 4 Dec. 86 (3)	3 days	Yes	Yes	Concurrent Dec. 2, 3	Yes	Yes	Exploration, Mining and geology overview	Coal only	as required	Organized with NWT Chamber of Mines GSC involved. Also take part in "Cordilleran Geology and Exploration Round-Up", Vancouver
Alberta Edmonton	O P E N H O U S E T O B E S C H E D U L E D										
Saskatchewan Regina	19 Nov. 86 (1)	0.5 day	Yes	No	0.5 day	Yes	Yes	Summary of Investigations	Yes	Yes	Sask. Research Council involved, talks and poster displays
Manitoba Winnipeg	20,21 Nov. 86 (1.5)	1 day	Yes	No	1.5 days	Yes	No	Rept. of Field Activities	No	No	Contributions from GSC and University of Manitoba
Ontario Toronto	3,4 Dec. 86 (2)	2 days	Yes	Yes	Concurrent	Yes	Yes	3 Repts. of Activities	Yes	Yes	Research oriented; special symposium
Quebec Quebec City	2,3 Dec. 86 (2)	2 days	Yes	Yes	2 days	Yes	No	Rept. of Activities	No	No	Special publication platinum mineralization
New Brunswick Fredericton	17 Nov. 86 (1)	0.5 day	No	No	0.5 day	Yes	No	Yes (1986 Project Resumes)	Yes	Yes	GSC involved
Nova Scotia Halifax	19,20 Nov. 86 (1.5)	1 day	Yes	No	1 day	Yes	No	Yes Publication	Yes	Yes	GSC involved; coordinated with District 1 CIM Meeting, 20-22 Nov., Halifax
Newfoundland St. John's	6 Nov. 86 (1)	0.5 day	Yes	No	0.5 day	Yes	No	Yes	No	Yes	GSC involved
Prince Edward Island	N O O P E N H O U S E										
Geological Surv. Can. Ottawa	19 to 21 Jan.87 (2)	2.5 days	Yes	No	Concurrent	Yes	Yes	Yes (Current Research)	Yes	Yes	Provincial agencies Cooperative Programs

<sup>1</sup>Energy Matters: (e.g. oil, gas, coal, oil shales, peat)

<sup>2</sup>Other Topics: (e.g. administration, engineering, regulations, legislation, etc.)