

## Biographies of the Board of Directors



**Jennifer Hargreaves** is currently the Quality Assurance Coordinator for the Geoscience Laboratories of the Ministry of Northern Development and Mines. She completed a B.Sc. in Environmental Toxicology and M.Sc. in Environmental Toxicology and Land Resource Science at the University of Guelph and received her Ph.D. in Biology, with a specialization in soil science, from Dalhousie

University. Her post doctorate fellowship was completed with MIRARCO, a mining innovation company located at Laurentian University in Sudbury, Ontario where she also worked as Manager of the Environmental Monitoring and Rehabilitation division. Jennifer helped investigate the sustainability of mine tailings and other brownfield reclamation strategies, recorded and monitored land and plant contamination in the surrounding region, and worked with local farm groups to expand agricultural success in the region.



**Bryan Tisch** obtained his B.Sc. and M.Sc. degrees in Biology from Laurentian University. He has been with the CanmetMINING of Natural Resources Canada for approximately 14 years, where he is a Senior Environmental Scientist within the Mine Waste Management and

Footprint Reduction Program. He specializes in the reclamation of mine tailings through the use of waste organic residuals and the establishment of biofuel crops, and has also worked on international environmental capacity development projects in Zambia, Guyana and Brazil. Previously, he worked at Laurentian University's Elliot Lake Research Field Station on projects related to closure of the uranium mines there. Bryan has been a member of the CLRA for over 20 years, serving as President or Co-President of the Ontario Chapter for approximately 18 of those years. He has also been National President for a

period of two years and is a past winner of the CLRA's W.E. Coates, Edward Watkin and Noranda awards.



**Dawn Spires's** career spans over 30 years combined, working for the Ministry of Environment and the Ministry of Northern Development and Mines in Inspection and Compliance. Her career started with the formation of her own environmental consulting firm, working on contracts for the Acid

Precipitation in Ontario Study (APIOS), Atomic Energy Board of Canada (Manitoba), and conducting soil surveys for Ontario. She has also taught part-time in the "Technical Upgrading Program" (TUP) at Cambrian College, Sudbury, and holds a B.Sc. Agriculture from the University of Guelph – Soil Science Major. Currently, Dawn is a Director (and Past President) of the Ontario Chapter, Canadian Land Reclamation Association, which organizes a two-day symposium each year with the Ontario Mining Association.



**Peter J.T. White**

Bachelor of Environmental Studies (Honours Urban and Regional Planning)

University of Waterloo 1972

- 28 years in provincial government with the Ministry of Natural Resources
- Extensive experience with municipalities through the Municipal Planning Programs of MNR and Ministry of Municipal Affairs and Housing (MMAH).
- Comprehensive knowledge of legislation and regulations of provincial government as they relate to municipal planning, development control aggregate operations and environmental appraisals.

### Positions held in the Ministry of Natural Resources 1972 to 2000

- Senior Municipal Planning Advisor – Southcentral Region/Main Office, Peterborough,
- Chief of Planning - Canada, Ontario Rideau, Trent-Severn (CORTS) Agreement – Peterborough
- Senior Planner – Central Region, Aurora,
- Regional Planner, Northern Region
- District Planner – Cochrane Kapuskasing, Hearst, Moosonee and Maple Districts

### Aggregate Producers Association of Ontario (now the Ontario Stone, Sand and Gravel Association) 2002 to 2007

Served as the Environment and Resources Manager providing technical and policy advice to the President and Directors of the Association

Establish and advocated policy and positions of the APAO/OSSGA with government agencies, legislators and tribunals and municipalities

### Principal in the firm of Belford White and Associates 2000 – 2007

A small consulting firm specializing in assisting clients in interacting with the provincial and federal governments in the areas of social and urban planning policy implications.

Member of CLRA and Ontario Chapter since 2003 and currently Treasurer.



**Peter Beckett** has a Ph.D in wetland ecology from King's College, London. For over 30 years he has been a restoration/reclamation ecologist and wetland specialist at Laurentian University in Sudbury, Ontario, Canada. He is an Associate Professor in the

Department of Biology and in Living with Lakes Restoration Centre. Peter is Chair of VETAC, an Advisory Panel to The City of Greater Sudbury that oversees the local landscape restoration projects and the transformation of the image of the City. Peter is a Director of the Canadian Land Reclamation Association and

holds a Noranda Award for "outstanding achievements in reclamation". He is Co-Chair of the Sudbury International Mining and Environment Conferences He teaches courses in plant ecology, restoration ecology, reclamation, wetland ecology as well as leading many field trips to local wetlands, forests and restored/reclaimed sites.



**Lesley Hymers** is an established surficial Earth Science and mineral resources specialist with professional experience in the Natural Resources Sector and in Post-Secondary and Informal Education. She has worked as a practitioner, in the stone, sand and gravel industry, as an Environmental Policy Analyst and Environment and Education and Outreach Committee lead with the Ontario Mining Association, in post-secondary education in the Scholarship of Teaching and Learning, Instructional Development, Course Design and as a Sessional Lecturer, and with Mining Matters, providing Earth science and mineral resources education to teachers, students and the public.

Lesley serves as a Director for both the Ontario and National Chapters of the Canadian Land Reclamation Association. The Ontario CLRA Chapter hosts the annual Ontario Mine Reclamation Symposium and Field Trip and co-hosts the Sudbury Mining and Environment Conference, held every four years.

Lesley is an active member of national Earth Science Education and Outreach community. She is a member of the EdGEO Regional Committee and of the Executive of the Canadian Geoscience Education Network (CGEN), currently serving a term as President of the Canadian Geoscience Education Network and as the Outreach Director for the Canadian Federation of Earth Sciences.

Lesley has Undergraduate and Graduate Degrees in Earth Sciences, from the University of Guelph.



**Bill Mackasey**'s career spans over 40 years working for government agencies and mining companies, that started with exploration and mining geology, and progressed from site-specific earth science projects, to broader studies of land-use issues at the regional, provincial and national level. Close to 30 years were spent with the Ontario government in the field of mining geology, abandoned mines, mine reclamation, land-use planning and policy development. He served as a mine environment advisor for the Assistant Deputy Minister of Mines, Ontario, and to the Brazilian Government. Bill also represented the Ontario Mining Association on the Great Lakes St. Lawrence Round Table of the Ontario government's Lands for Life land-use planning exercise. He has produced over 40 technical papers on geology, mineral potential, abandoned mines, mining policy and land-use planning. Bill received a B. Sc. in Geology from St. Francis Xavier University and a M. Sc. from Carleton University. He is a Registered Professional Geoscientist for the Province of Ontario.

Mr. Mackasey established his own Sudbury – based company, WOM Geological Associates Inc. in 1996 and serves as a consultant on mineral potential assessment, policy development, restoration of land values, and for solving land use problems in regions affected by mining.

**Dr. Sarah J. Barabash** is an environmental scientist with EcoMetrix and has more than 8 years of combined experience in research and consulting and is currently responsible for managing a geochemistry laboratory for specially designed testing and evaluation of mining wastes and materials.

Dr. Barabash has been involved in a number of geochemical, site assessment, risk assessment and closure planning projects for industrial clients throughout Canada. Her expertise includes all phases of contaminant release studies from the design of laboratory and field programs to data analysis and assessment and the development of source terms and geochemical models. Her experience

includes investigations at base metal mines, gold and uranium operations. Dr. Barabash is currently involved in the detailed closure planning for gold mining facilities that include the completion of laboratory programs for mine waste assessments, the quantification of source terms and the determination of transport and mobility of metals and other constituents. She has been involved in the development of environmental assessments, including the ecological risk and effects assessments, for proposed uranium mine projects through the Canadian Environmental Assessment Act (CEAA) process, including the Key Lake Mill extension and the Millennium Project. She has also developed modelling tools for the environmental assessments for base metal mines, including the Sudbury Area Risk Assessment and the Port Colborne Soil Investigation and Human Health Risk Assessment.



**Michael Payne** worked for the Ontario Ministry of Agriculture and Food for 20 years as a Soil and Crop Specialist and then Biosolids and Residuals Utilization Specialist. While with the ministry Michael worked with researchers on a variety of biosolids related projects including Green Mines: Green Energy, was the ministries lead on the Non Agricultural Source Materials (NASM) regulations under the Nutrient Management Act, chaired the Municipal Biosolids Best Management Practices booklet development team and worked with the Residuals and Biosolids industry on a number of issues. After retiring 4 years ago he started Black Lake Environmental (BLE). BLE specializes in assisting clients with many of the things that he did with OMAFRA. Michael also teaches many of the Nutrient Management licencing and certification courses related to the utilization of NASM on agricultural land. Michael has a keen interest in facilitating the beneficial use of inorganic and organic residuals and biosolids that might currently be disposed of in landfills in both agricultural and reclamation sites.