

CRC's Legal Counsel



Chris Barnett

Partner, Municipal, Land Use Planning & Development; Real Estate

Chris Barnett is a partner in Osler's Real Estate Group and practices in the areas of administrative and regulatory law, with a focus on municipal and planning advice and environmental approvals. He is recognized in the 2019 *Lexpert/ALM 500 Leading 500 Lawyers in Canada*.

He specializes in providing clients in both the public and private sectors with strategic advice on co-ordinating and addressing the various levels of approvals required for complex projects. Chris advises public sector clients on a broad range of matters, including growth management issues, cultural

heritage, parkland dedication/valuations, employment land and aggregate resource policies, as well as ward boundary reviews.

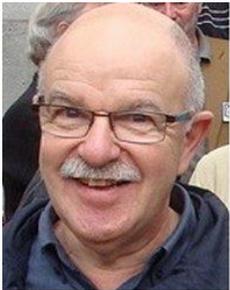
He also advises large landowner groups on Development Charges and cost sharing matters, environmental assessment processes and approvals and the implications of provincial policies and initiatives. He has been selected as the 2015 Municipal Law Best Lawyer of the Year (Toronto) by the *Best Lawyers in Canada*, has been ranked in *The Canadian Legal Lexpert Directory* for Property Development since 2008 and was Consistently Recommended by *Lexpert* in 2016. Chris appears regularly before the Ontario Municipal Board and municipal councils, and has appeared before Environmental Review Tribunal and all levels of courts in Ontario.

Chris Barnett has been legal counsel for opponents to two high profile quarry proposals which were defeated at the OMB. He acted for the Town of Caledon in the case of the Rockfort Quarry proposal by JDCL and for Citizens' Alliance United for a Sustainable Environment in the case of the "Mega-Quarry" Melancthon proposal.

Brief Introduction to CRC's EIGHT Expert Witnesses

Planning

Mark Dorfman FCIP, RPP



Mark Dorfman, President of Mark L. Dorfman, Planner Inc., has worked in professional planning for close to 50 years in the private and public sectors. He specializes in the field of land use planning and environmental policies. Mark has attended in excess of 250 hearings of the OMB, Environmental Review Tribunal and the Courts to give expert evidence as a witness on matters related to municipal governments, community groups, the private sector and individuals. He is based in Waterloo.

Before opening his consulting business in 1981, Mark had worked as a Senior Planner for the Metropolitan Toronto Planning Board for 6 years, and as Director of Development and Director of Planning and Transportation for the Regional Municipality of Waterloo over 8 years. He has also taught in the School of Urban and Regional Planning at the University of Waterloo. He completed his MSc in Urban and Regional Planning at the University of Toronto.

He has published dozens of papers, some related to aggregate policy and participated in many significant planning studies including the *Eramosa River-Blue Springs Creek Watershed Study* for GRCA and *Report on the Planning Assessment for the Rockfort Quarry* for the Town of Caledon. (The Rockfort quarry proposal by JDCL was turned down at the OMB. CRC lawyers Chris Barnett and Laura Bisset represented the Town of Caledon at the OMB Hearing.)

Among his many community activities Mark has been Board Chair of Nature Canada, Ontario Nature and Ontario Society for Environmental Management. He is a Fellow of the Canadian Institute of Planners.



Blasting
William Hill P.Eng.

Bill Hill is a member of the CRC Board, and our resident expert in mining and blasting. We have heard his in-depth analyses at CRC Community Meetings and GET presentations over the past 3 years. Given his proximity to the proposed quarry, he will testify as an “informed witness” at the OMB. He is donating his services.

Bill has worked continuously since 1949 (except 1950) in the mining industry, first as summer employment and after 1958 as a Mining engineer. He graduated with a Bachelor of Applied Science, from the University of Toronto in 1958, and became a Professional Engineer in Ontario in 1969. He is a designated consulting engineer. His Canadian company, William Hill Mining Consultants Ltd. (MHC) was founded in 1969.

He has 65 years of experience as a miner, open pit operator, mine manager, mining contractor. Bill has been President of mining corporations and President of several mining corporations, mining consultant to banks, UN, World Bank and many mining companies. He has mined in Peru, Chile, Philippines and in a total of 40 countries. In 1966 Bill was co-founder of the company “Minera Del Hill, MDH” which is still in production, and in 2015 produced over 300,000 ounces of gold.

His particular expertise is open pit mining. He has worked on at least 15 open pit mines ranging from 200 to 500,000 tonnes per day totalling over one billion tons during his career.



Hydrogeology
Emil Frind Ph.D, P.Eng

Distinguished Professor Emeritus, Groundwater (modelling)University of Waterloo

Emil O. Frind pioneered the field of quantitative groundwater science and over his career he has been a leader in the development of modelling methodologies for groundwater processes. He has been recognized as a Thomson-Reuters Highly Cited Researcher and honoured with a Life Member Award from the US National Ground Water Association.

His recent work has focused on source water protection and water sustainability, both vital issues as water resources become stressed due to growth, pollution, and climate change. His work with Waterloo Region to develop a strategy for the sustainable use of local groundwater as a drinking water source is saving taxpayers billions in infrastructure costs.

Professor Frind has received numerous awards over the years, most recently the 2015 Hall of Distinction Award for lifelong accomplishments in the profession, Engineering Alumni Association, Faculty of Applied Science and Engineering, University of Toronto; and in 2014 the GRCA Watershed Award for research on water systems leading to valuable insight into the future of the Grand River watershed.



Hydrogeology
Garry Hunter M.A.-Sc., P. Eng

Mr. Hunter has more than 40 years of experience in Canada's Environmental, Engineering and Resource consulting industry. He has participated in more than 500 individual professional assignments in Canada and overseas since he began his consulting career in 1968 after graduating with Honours in Applied Science from University of Toronto. Mr. Hunter received his Master of Applied Science degree (Civil Engineering) from the University of Toronto (and Purdue University, Indiana) in 1969 and is a registered member of the Association of Professional Engineers of Ontario.

Garry is President and Founder of HUNTER and ASSOCIATES (1977), and President and Founder of the firm HUNTER GIS, a geographic information systems software development group, consulting on a wide variety of GIS applications.

Among his many consulting projects is a long list relating to aggregate resource project review and assessment, including environmental peer reviews and impact reviews on various aspects of pit or quarry applications such as the Rockfort Quarry, the Melancthon Mega Quarry and the Greenfield Quarry in Flamborough, as well as reviews relative to the Oak Ridges Moraine. He has worked for both public and private sectors. Garry has also participated in many Ontario Municipal Board and Judicial Hearings relating to aggregate development.



Stephen Watson B.Sc. Ground Penetrating Radar
Manager, GPR Services, Global GPR Services Inc.

Global GPR Services uses Ground Penetrating Radar (GPR) technology to provide reliable (NDT) non-destructive underground testing, locating, subsurface imaging & mapping.

Steve Watson has 25 years of technical product development in geophysical instrumentation and micro computer technology. Prior to joining with Global GPR Services Mr. Watson has been involved with projects in the USA and Canada. Projects have included the single largest GPR survey, at the Chicago Midway Airport and environmental GPR surveys for Exxon Mobil and Shell Oil. Mr. Watson also provided technical training and technical support to clients. In addition to North American GPR surveying Mr. Watson has international experience in Asia, South America and Europe.

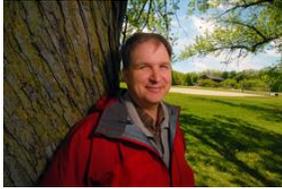
His background in GPR includes utility locating, non-destructive examination of concrete and concrete structures, forensic surveys, and geophysical surveys. With technical knowledge and experience Mr. Watson has provided key design functions in product development and design over the years.



Natural Environment Dougan & Associates

Two of CRC's experts are on the team of the Guelph company, Dougan & Associates – Karl Konze and Zack Harris (see below). Dougan & Associates is an incorporated ecological consulting & design firm based in Guelph that has been providing services in terrestrial biology, ecological assessment and landscape architecture to the public and private sectors since 1981.

Karl Konze BSc, Senior Wildlife Ecologist, Dougan Associates



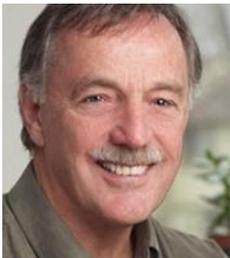
Karl has almost 30 years of experience in identification of birds, amphibians, reptiles, mammals, damselflies & dragonflies, and butterflies across Ontario. Karl specializes in field ornithology and has applied these birding skills throughout Ontario as well as in Saskatchewan and Hawaii. His expertise encompasses seasonal wildlife surveys, wildlife habitat assessments, wildlife monitoring, ecological research, peer review input and OMB witness testimony, and the development of regional significant wildlife species lists. He also has an excellent knowledge of the various protocols used in wildlife inventory and monitoring programs.

Zack Harris BSc, Dipl. Env. Tech., ISA, Ecologist, Dougan Associates



Zack joined the D&A team in 2008 as a field ecologist and has worked on a wide range of projects including ELC assessments, extensive plant identification, aerial photo interpretation, data management and analysis, Marsh Monitoring Program surveys, and projects utilizing Ecological Monitoring and Assessment Network protocols. He is an International Society of Arboriculture (ISA) Certified Arborist, has ELC certification, and is certified as a Butternut Health Assessor with the Ontario Ministry of Natural Resources.

Aquatic Ecology Karl Schieffer, PhD



Dr. Karl Schieffer is an Aquatic Ecologist with over 30 years' experience in consulting and management of professional services companies. He is a widely recognized specialist in freshwater ecosystems and aquatic resources across Canada, having held academic and research positions focusing on aquatic ecosystem research.

Karl has been involved in over 350 projects and research studies examining the effects of various human activities and natural processes on aquatic ecosystems and fish communities across Canada and internationally. Specifically, his expertise includes aquatic ecosystem processes, fisheries ecology and management, limnology and water quality, fish habitat protection, restoration and enhancement, and environmental impact assessment. He has completed projects for both public sector (federal, provincial and municipal governments) and private sector clients. His private sector experience includes resources, energy and industrial projects.

Karl has also provided expert testimony in the fields of damage assessment, Fisheries and Clean Water Act litigation, and environmental planning and impact mitigation. He is the author of numerous scientific and technical reports, publications and presentations, and is an active member of several professional and environmental organizations and advisory committees.

Karl's work for CRC has focussed on the brook trout and brown trout habitat in Brydson Creek just south of Hwy. 7.