

Mr. Eusebi provides services to a broad range of development clients requiring various environmental assessments. He specializes in natural science based assessments and coordinates teams of multidisciplinary professionals. Dan's experience and expertise in the environmental field allow him to assess overall environmental impacts of a variety of scenarios and provide appropriate mitigation options where feasible. He is skilled at coordinating various project stakeholders and negotiating with regulatory agencies concerning project permits and approvals. He manages the public consultation phase for high profile projects.

Dan's practical experience includes natural science based environmental assessments (flora, fauna and aquatics), Phase I and II site assessments, site decommissioning and redevelopment, site remediation, design and implementation of protection techniques for linear facilities, and on-site emergency response management, as well as compliance monitoring. His multidisciplinary background is well suited to environmental impact assessments.

Dan is involved in numerous aggregate extraction development proposals and projects, which include permitting and regulatory approvals, the production of Levels I and II Natural Environment Technical Reports, and public consultation, in addition to Adaptive Management Planning (AMP). This experience is facilitated by his strong familiarity with the Ontario Aggregate Resources Act (ARA) and its regulatory requirements.

EDUCATION

BES (Honours), Major in Environmental and Resource Studies, University of Waterloo, Waterloo, Ontario, 1988

Duntroon Quarry Application Adaptive Management Plan (AMP), Walker Industries, Collingwood, Ontario (Environmental Planner)

Environmental Impact Study Report Aggregate Application, Flamborough, Ontario (Project Coordinator)

PROFESSIONAL ASSOCIATIONS

Member, Environment Committee, Ontario Stone, Sand & Gravel Association

Landscape and Ecosystem Restoration Plan, Nelson Aggregate Co., Burlington, Ontario (Environmental Planner)

Provisional Planner, Ontario Professional Planners Institute

Level 2 Natural Environment Technical Report, Nelson Aggregate Co., Burlington, Ontario (Environmental Planner)

Member, Society of Wetland Scientists

PROJECT EXPERIENCE

Aggregate Services

Adaptive Management Plan, Nelson Aggregate Co., Burlington, Ontario (Environmental Planner)

Level 2 Natural Environmental and Aquatic Assessment - Aggregate Quarry Application, Federal White Cement, Oxford County, Ontario (Project Manager)

Level 2 Natural Environmental Assessment Technical Report Aggregate Application, Region of Halton, City of Burlington, Ontario (Environmental Coordinator)

* denotes projects completed with other firms

Level 2 Natural Environmental Assessment Technical Report, Capital Paving, Aikensville, Ontario (Environmental Manager)

Levels 1 & 2 Natural Environment Assessment, Holman Pit, Guelph Eramosa Township, Ontario (Environmental Planner)

Levels 1 & 2 Natural Environment Technical Assessment Report for Proposed Aggregate Application, CBM Aggregates, Township of North Dumfries, Ontario (Environmental Planner)

Levels 1 & 2 Natural Environment Technical Assessment Report for Proposed Aggregate Application, Godfrey Extension, CBM Aggregates, Peterborough County, Ontario (Environmental Planner)

Levels 1 & 2 Natural Environmental Technical Assessment Report for Proposed Aggregate Application, CBM Aggregates, Brant County, Ontario (Environmental Planner)

Environmental Assessment

Agricultural Economic Assessment, Agricultural Assessments of Tom Howe Landfill Site and Canborough Landfill Site (Project Manager)

Brownfield Phase I Investigations for 16 Sites in the City of Brantford, City of Brantford (Project Manager)

City of London: Fisheries Habitat Assessment - Medway Creek Trunk Sewer, City of London (Project Manager)

Detailed Phase II Investigations for Former Massey Ferguson Brownfield Site, City of Brantford, Ontario (Project Manager)

Environmental Management System Audit of Enbridge Pipeline Division, Enbridge Pipeline Inc. (Project Manager)

Environmental Property Assessments, Preliminary Phase I Assessment for Contamination Identification, 50 Sites, Canadian National Real Estate Division (Project Manager)

Environmental Screening Document, Terrestrial and Fisheries Technical Report, Hopewell Creek Bridge Rehabilitation at Highway 7, Ministry of Transportation Ontario (MTO) (Natural Environment Planner)

Fisheries Assessment and Letter of Intent - Highway 3 Improvements/Aquatic Crossings, Ministry of Transportation

Fisheries Habitat Assessment, Oshawa/Newcastle proposed Highway 407, Route Location and Environmental Assessment Study (Project Manager)

Fox Hollow Subdivision Phase 1 External Sanitary Sewer - Water crossing, permits and approval package (Project Manager)

Groundwater Assessment Investigations and Remediation Initiatives for southwestern Ontario Tank Farm and Pumping Station, Enbridge Pipeline Inc. (Project Manager)

International Power Line Project - Environmental Site Assessment and Linear Facility Route Selection, Great Lakes Power Ltd. (Environmental Planner)

Link Pipeline Project, Environmental Assessment and Route Selection, Niagara Gas Transmission Limited (Environmental Planner)

Meyer Pier Park - Risk Assessment Peer Review, City of Belleville, Ontario* (Senior Environmental Planner)

Nanticoke Junction: Phase I and II Environmental Site Assessment, Enbridge Pipeline Inc.* (Project Manager)

Daniel S. Eusebi BES
Senior Environmental Planner

Natural Science Route Selection Environmental Assessment for Line 9C portion of the Line 9 Reversal Project, Enbridge Pipeline Inc.* (Project Manager)

NEB Environmental Assessment, Great Lakes Power Ltd. (Project Manager)

Coordinated public consultation program for high voltage power cable line – NEB Environmental Assessment. Involved preparation of notifications, presentation materials and establishment of public input database

New Orleans/Gatineau Pipeline Environmental Assessment and Route Selection, Consumer Gas* (Project Manager)

Ontario Manitoba Interconnection Project. Data Collection and Regulatory Agency Issue Assessment, Ontario Hydro* (Resource Planner)

Orlean Pipeline Environmental Assessment Public Consultation Program, Consumers Gas (Project Manager)

Preparation of announcements and public forum presentations for pipeline project approvals

Peer Review of Environmental Screening Reports and Phase 1 Assessments in South Western Ontario for Property Transactions, Union Gas* (Project Manager)

Peer Review of Phase I and II ESA's for Legal Counsel, Smith Valeriotte, Barristers and Solicitors* (Project Manager)

Phase I and II Environmental Property Site Assessments* (Manager)

More than 250 Phase I, and II Environmental Property Site Assessments in Ontario and Quebec for private industry, as well as federal and municipal governments

PRISM Pipeline Project Environmental Site Assessment and Route Selection, Imperial Oil Ltd* (Environmental Planner)

Public Consultation Program for Remediation of Brownfield Site in Residential Neighbourhood, Pirelli Cable Inc (Project Manager)

Developed two phase public consultation program for remediation of brownfield site. Presented information and completed individual liaison with affected landowners

Site Remediation Program at Six Remote Fly-in Sites in Northern Ontario, Bell Canada* (Site Remediation Program Manager)

Conducted preliminary site assessments and coordinated site construction contractors

Sithe Goreway Station, Sithe Energies Canadian Development Ltd. (Project Manager)

Represented client at public forums

Sudbury Area Community Risk Assessment - Soil and Groundwater Project Component Assessments, Inco* (Planner)

Transportation Design, Construction Report and Aquatic Assessment. Highway 3 Road Improvement St. Thomas to Aylmer, Ontario Ministry of Transportation (Environmental Planner)

Transportation Environmental Study Report, Highway 401 Bridge Rehabilitation at County Road 36 and Concession Road 7, Puslinch Township, Wellington County, Ministry of Transportation Ontario (MTO) (Environmental Planner)

Vector Pipeline Project: Phase I and II Property Investigation, Vector Pipeline Ltd.* (Project Manager)

Westover Station - Initial Screening Level Risk Assessment, Enbridge Pipeline Inc.* (Project Manager)

* denotes projects completed with other firms

Environmental Site Management

Binbrook Leak Site, Enbridge Pipelines Inc.* (Project Manager)

Remediation and Clean Up of Binbrook leak site, 600,000 L Crude Oil spill site

Bronte Junction Compound Facility, Enbridge Pipelines Inc.* (Project Manager)

Remediation and Clean-up site management for the Bronte Junction compound facility

Clarkson Station - Spill Response and Site Management, Enbridge Pipeline Inc. (Project Manager)

Crude Oil Leak Site, Enbridge Pipeline Inc. (Project Manager)

Conducted public liaison in emergency response scenario at crude oil leak site. Maintained ongoing public information liaison with affected landowners

Decommissioning of Four Crude Oil Pumping Stations, Interprovincial Pipe Line Inc.* (Project Manager)

Managed decommissioning of Four Crude Oil Pumping Stations: Keyser, Smithville, Wolverton and Bryanston

Decommissioning of Hydro Electric Transformer Stations, Guelph Hydro* (Project Manager)

Initiated soil studies and coordinated contracting of site remediation program

Denso Manufacturing Inc., Guelph Industrial Site Phase I and II Environmental Site Assessment* (Project Manager)

Phase I and II Environmental Site Assessment and managed site remediation program

Emergency and Spill Response Management, Sarnia Suncor Metering Facility (Project Manager)

Emergency and Spill Response Services, Alltech Canada Inc. (Project Manager)

Emergency Response Management Services - Binbrook Leak Site (Spill Response and Land Rehabilitation), Enbridge Pipeline Inc. (Project Manager)

Emergency Response Management Services - Bronte Junction Historic Leak Site, Enbridge Pipeline Inc. (Project Manager)

Emergency Response Management Services - Wolverton Leak Site, Enbridge Pipeline Inc. (Project Manager)

First Nations Consultation Program and Training Program at Remote Site in Northern Ontario, Bell Canada (Project Manager)

Programs involved presenting project remediation information to First Nations groups and providing training for community based employment opportunities

Golf Course and Estate Residential Facility, Town of Aurora* (Project Manager)

Environmental site peer review of mitigation and construction of golf course and estate residential facility

Grand River Crossing at Cambridge, Union Gas (Project Manager)

Preparation of Sediment Control Plan and Watercrossing Plans

Housing Development On-going Site Monitoring, City of Guelph* (Project Manager)

On-going Site Monitoring of South Creek, Clairfields, Clarington Place and Whitetail Sites

Line 8 Hydrostatic Testing, Interprovincial Pipe Line Inc. (Project Manager)

Coordinated environmental components and developed emergency response program and obtained regulatory approval for Line 8 hydrostatic testing

Line 8 Oil Products Transportation System, Interprovincial Pipe Line Inc.* (Project Manager)

Coordinated and Conducted Environmental Inspection of Line 8 Construction Program, Southern Ontario

* denotes projects completed with other firms

Daniel S. Eusebi ^{BES}
Senior Environmental Planner

Meadowlily ESA, City of London* (Project Manager)
Environmental Inspection, Meadowlily ESA, Subdivision development project. Inspection of topsoil stripping, vegetation clearing, erosion and silt control, construction activities, dewatering and rehabilitation monitoring

Pirelli Cables Corporation Site Decommissioning, Guelph, Ontario, Pirelli Cables and Systems Inc.* (Project Manager)
Site assessment and remediation of Pirelli Cables Corporation Site Decommissioning

Plant Demolition, Building Decommissioning, Pirelli Cables and Systems Inc.* (Project Manager)
Identification and removal of PCB containing ballast

PRISM Pipeline Project, Imperial Oil Ltd. (Project Manager)
Managed approvals for the implementation of a drill slurry management program

PRISM Pipeline Project, Imperial Oil Ltd. (Project Manager)
Conducted on-going monitoring and compliance requirements for directional drilling operation at the Grand River

Spill Response and Regulatory Agency Consultation, RCAN Environmental (Project Manager)

St. Clair River Directional Drilling Operations and Regulatory Approvals, Vector Pipelines Ltd. (Project Manager)
Development of environmental protection procedures for directional drilling operations of the St. Clair River and coordinated regulatory approval requirements

St. Clair River Sediment Quality Sampling Investigations, Vector Pipelines Ltd. (Project Manager)
Coordinated sediment quality sampling investigations of the St. Clair River for proposed directional drilling operations

Terrace Pipeline Project, Enbridge Pipeline Inc. (Project Manager/Inspector)
Environmental supervision of the directional drill, South Saskatchewan River (1100m drill)

Westover Tank 222 Spill Response, Enbridge Pipeline Inc. (Project Manager)

Natural Sciences & Heritage Resources

Conceptual Restoration Plans, Smithville and Wolverton Pumping Station, Interprovincial Pipe Line Inc. (Project Manager)

Consumers Gas Link Project, Baby Creek (Project Manager)
Preparation of Sediment Control Plan and Watercrossing Plans

Highway 9 Project, 5 Watercrossings, Consumers Gas (Project Manager)
Preparation of Sediment Control Plan and Watercrossing Plans

Line 9C Sarnia Delivery Line, Enbridge Pipeline Inc. (Project Manager)
Development of watercrossing design for protection of water resource

Line 9C, Shell Take off to Sarnia Terminal, Interprovincial Pipe Line Inc. (Project Manager)
Preparation of Sediment Control Plan and Watercrossing Plans

Line Lowering at 403 Burlington - Rambo Creek Crossing, Interprovincial Pipe Line Inc. (Project Manager)
Preparation of Sediment Control Plan and Watercrossing Plans

Link Pipeline Project, Niagara Gas Transmission Limited* (Project Manager)
Conducted pre-construction woodlot appraisal for construction compensation

* denotes projects completed with other firms

Daniel S. Eusebi BES
Senior Environmental Planner

Medway Creek Trunk Sewer Crossings (5), City of London (Project Manager)

Preparation of watercrossing plans / bed-level crossing, permits and approval package.

OCWA Water Pipeline at the Ausable River Watercrossing, Ontario Clean Water Agency (Project Manager)

Developed and implemented environmental protection methods on-site.

PRISM Pipeline Project, Imperial Oil Ltd. (Project Manager)

Environmental Construction permits and approvals for all natural environmental features

Vector Pipeline Project, Vector Pipeline Ltd. (Project Manager)

Development of watercrossing technique design for environmental protection. Coordination of regulatory approval requirements

David is a LEED® Accredited Professional, who has been contributing to sustainable resource management practices since 1982. He has developed a practical approach to impact assessment and conflict resolution through his central role in a number of Environmental Assessments and watershed management plans dealing with the protection, restoration and management of a range of ecosystems.

David has written more than 200 impact assessments, and has been cited for his work by the Ontario Provincial Planning Institute and the Ontario Municipal Board, among others. He has provided planning and management services to a range of industrial resource sectors including aggregate, forestry and agriculture. He has conducted pure and applied scientific research for federal governments on topics ranging from wetland management to agricultural land stewardship. He has worked closely with all interests, ranging from development proponents to public interest groups, to solve difficult resource management issues. David has served on several advisory committees, such as the City of Guelph Environmental Advisory Committee, and has appeared as an expert witness in front of Boards and Tribunals including the Ontario Municipal Board and the Ontario Court of Justice.

EDUCATION

M.Sc, Resources Development, University of Guelph,
Guelph, Ontario, 1986

B.Sc., Agriculture, University of Guelph, Guelph,
Ontario, 1982

Temperate Wetland Restoration Training Course,
Ontario Ministry of Natural Resources, Peterborough,
Ontario, 2004

Ontario Wetland Evaluation System, Southern Manual,
(3rd Edition) and Ontario Wetland Evaluation System,
Northern Manual, (1st Edition), Ontario Ministry of
Natural Resources, Lowville, Ontario, 1995

PROFESSIONAL ASSOCIATIONS

Professional Agrologist, Agricultural Institute of Canada

PROJECT EXPERIENCE

Aggregate Services

Capital Paving Aikensville Pit (Senior Ecologist)
*Directed project and provided senior wetland related
assessment.*

Carden Quarry Aggregates License, Brechin, Ontario
(Project Director)

*Natural Environment Technical Reports and Feasibility Study
for a Category 2 Aggregate License; alvar ecology, rare
species, significant wildlife habitat issues, water balance,
quarry rehabilitation*

CBM Bromberg Pit (Senior Ecologist)

*Direction of natural heritage features significance assessment
and senior report review.*

CBM Godfrey Pit (Senior Ecologist)

*Provide senior direction concerning site design with reference
to critical natural environmental features (i.e., coldwater stream
and Butternut specimens).*

CBM Neubauer Pit (Senior Ecologist)

Senior project direction and report review.

CBM Olszowka Pit (Senior Ecologist)

Directed project and designated mitigation rehabilitation plan.

Craig Pit Expansion, Mono Centre, Ontario (Project
Director)

*Natural Environment Technical Reports for gravel pit
expansion, impacts on adjacent wetlands and fish habitat,
cross watershed boundary issues, recreational impacts.*

* denotes projects completed with other firms

David L. Charlton M.Sc., P.Ag., LEED® AP
Senior Principal, Environmental Management

Fonthill Pit, Fonthill, Ontario (Restoration Advisor)

Rehabilitation guidelines for gravel pit restoration to specialty crop production, microclimate and soils.

Georgian Aggregates Duntroon Quarry Expansion, Collingwood, Ontario (Project Director)

Completing Natural Environment Technical Reports for extension of a Category 2 Aggregate License; issues include Niagara Escarpment, ANSI, provincially significant wetlands, rare species, brook trout habitat, water balance, agricultural impacts and quarry rehabilitation

Georgian Aggregates Orillia Quarry License, Orillia, Ontario (Project Manager)

Managed environmental reports in support of Official Plan Amendment and Aggregate License; rare species management plan, water balance to maintain streams and wetlands, heronry impacts and monitoring, wetland policy application, Ontario Municipal Board hearing

Seeley and Arnill Aggregates Drysdale Pit Rehabilitation, Meaford Township, Ontario (Restoration Advisor)

Rehabilitation guidelines for gravel pit restoration to specialty crop production, microclimate and soils.

Staff Seminars, Toronto, Ontario (Restoration Advisor)

Rehabilitation guidelines for gravel pit restoration to specialty crop production, microclimate and soils.

Environmental Assessment

Environmental Assessment Training Activities Canadian Forces Base Borden (1997 to 1999) (Technical Advisor)

Advised on ecological inventories, application of Valued Ecosystem Components approaches, impacts and impact mitigation, ongoing forest resource management

Environmental Assessment Training Activities Canadian Forces Base Petawawa (1993 to 1994) (Project Manager)

Managed ecological inventories, GIS, Valued Ecosystem Component identification, impacts and impact mitigation analysis, forest, fish and wildlife and recreational resource management

Environmental Assessment Training Activities Canadian Forces Base Val Cartier (1994 to 1995) (Project Manager)

Managed ecological inventories, Valued Ecosystem Component identification, impacts and impact mitigation analysis, forest, fish and wildlife and recreational resource management

Highway 10 Widening and Turning Lane Improvements - Orangeville (Project Director)

Supervised ecological data collection and analysis; recommended mitigation measures to protect cold water stream and terrestrial habitat; provided sediment control and site restoration guidelines

Interim Waste Authority Metro-York and Durham EAs (1994 to 1995) (Project Director)

Peer reviewed biological components of the IWA process on behalf of Municipalities with identified sites (Vaughan and Pickering); evaluated the study process, data, analysis techniques and final decisions for appropriateness, comprehensiveness, consistency, accuracy, reliability and comprehensibility; worked with legal counsel to prepare interrogatories and witness statements; met with proponent representatives, recommended process improvements and modifications

Kingston Master Drainage Plan and Class EAs for stormwater Retrofit - Kingston (2000 to 2001) (Project Director, Environmental Sciences)

part of a multidisciplinary team reviewing stormwater management policies and practices for the City of Kingston; reviewed background information; met with agencies, conducted field work and mapping; set priorities on a Subwatershed basis; identified and evaluated alternative stormwater retrofit locations, recommended policy changes and management protocols, contributed to public participation process

* denotes projects completed with other firms

David L. Charlton M.Sc., P.Ag., LEED® AP
Senior Principal, Environmental Management

Medway Valley Trunk Sewer Schedule C Class EA - London, Ontario (2000 to 2003) (Project Director, Environmental Sciences)

Coordinated data collection, analysis and mapping for the terrestrial ecology and aquatic ecology components of the study; worked with other team members to integrate ecological issues with servicing and cost concerns; responsible for natural science input to the public participation process; led technical meetings with government agencies and public on environmental issues; developed mitigation and rehabilitation plans, supervised applications for DFO and CA permits, replanting of disturbed areas, and performance monitoring for stream crossings and ecological restoration

Multi-Unit / Family Residential

Aberfoyle Creek Estates: Phases 2 and 3 - Puslinch, Ontario (1999 to 2003) (Project Director)

Environmental policies, approvals and design - wetland buffer, site plan control, naturalized stormwater management, protection of trout habitat, groundwater and fisheries interactions

Brentwood Subdivision - Aurora, Ontario (2000 to 2003) (Project Director)

Environmental policies, approvals and design - Secondary Plan and plan of subdivision, recreational and aquatic corridor, forest and ravine buffers, naturalized stormwater management

Huron Road Subdivision - Kitchener, Ontario (1998 to 1999) (Project Director)

Environmental approvals and design - Plan of subdivision, forest and wetland buffers, tree preservation, naturalized stormwater management, cold-water stream protection

Jackson's Landing - Sutton, Ontario (1994 to 2003) (Project Director)

Environmental policies, approvals and design - Secondary Plan to Master Site Plan, site design and impact mitigation for high water table and sensitive vegetation, natural corridor functions and forest edges, Ontario Municipal Board

The Neighbourhoods of Sunningdale - London, Ontario (1995 to 2003) (Project Director)

Coordinated all environmental input for the design and approval of The Neighbourhoods of Sunningdale; project started with a Secondary Plan, progressing through alternative servicing analyses, plans of subdivision and detailed design exercises; was responsible for all environmental components of the project approval included extensive public input, negotiations with Conservation Authorities and an Ontario Municipal Board hearing. Located adjacent to the Medway Valley Environmentally Sensitive Area, The Neighbourhoods of Sunningdale was designed to take advantage of the natural beauty of the valley while protecting and enhancing the significant ecological resources in the ESA. The location and market thrust presented significant design and approval challenges that David helped overcome. His involvement continued into the marketing phase of the project as he contributed to the production of a Community Environmental Guide, which won the London Homebuilder's Association award for Best Brochure in 2002.

Natural Sciences and Heritage Resources

Credit Valley Secondary Plan, City of Brampton (1997 to 2003) (Project Director, Environmental Sciences)

Planned, implemented and managed the multidisciplinary natural science inputs to a Subwatershed study done in support of this Secondary Plan, completed for the City of Brampton. He coordinated data collection, analysis and mapping for the terrestrial ecology and aquatic ecology components of the study; worked with other team members to integrate ecological issues with water quality and quantity analyses and policy formation; responsible for natural science input to the public participation process and participated in technical meetings with government agencies. The project and the ultimate policy recommendations were controversial, and the scientific basis for recommendations as well as the validity and interpretation of data were challenged by many interests. David's scientific credibility and his firm focus on objective interpretation of data were instrumental in helping arrive at an appropriate balance between competing interests, and provided the City with practical and effective ecological policies.

David L. Charlton M.Sc., P.Ag., LEED® AP
Senior Principal, Environmental Management

Environmental Impact Studies Guidelines and Training - Province of Ontario (1995 to 1996) (Trainer)

Assisted Ontario Ministry of Natural Resources in designing and delivering training programs on how to prepare environmental impact studies in compliance with Provincial Policies; established minimum standards, developed case studies; designed model mitigation measures; delivered nine, two-day training sessions to more than 400 people

Fletcher's Creek Subwatershed Study City of Brampton (1994 to 1996) (Project Manager, Environmental Sciences)

Directed ecological inventory, analysis and policy formation, resource management and land use policies and implementation guidelines, intermittent headwater tributary and swale management

Laurel Creek Subwatershed Study City of Waterloo (Project Manager, Environmental Sciences)

Directed ecological inventory, analysis and policy formation, resource management and land use policies and implementation guidelines, integrated modeling of water quality and quantity and fish habitat, GIS mapping and extensive public involvement and consultation

Technology Evaluation and Development Subprogram of Soil and Water Environmental Enhancement Program, Ontario (1986 to 1993) (Project Manager)

On behalf of Agriculture Canada, planned and managed \$3.5 million of research into technologies for farm level control of soil erosion and sediment and chemical transport to waters in south western Ontario; coordinated a team responsible for identifying research needs, planning and implementing research program; multi-disciplinary workshops, statements of work, evaluating proposals, quality control and trouble shooting for research projects, control of a large budget and an ambitious communications program

Terrestrial Effects of Acid Rain - Ontario (1992 to 1996) (Project Manager)

Managed crews evaluating the impact of acid rain on the tolerant hardwood forests of Ontario, involved visual assessment of trees, tissue sampling and soil sampling, data analysis

The Effect of Lake Levels on Great Lakes Coastal Wetlands (Project Director)

Detailed historic air photo and GIS analysis of wetland community dynamics in response to lake level fluctuations, input to management responses

Torrance Creek Subwatershed Study City of Guelph (1997 to 1999) (Project Director, Environmental Sciences)

Directed ecological inventory, analysis and policy formation, guidelines for recreational trail location and design in provincially significant wetlands, resource management and land use policies and implementation guidelines, invasive species control and fisheries enhancement recommendations.

Sports, Recreation & Leisure

Aikers Marina - Long Point, Ontario (Project Director)

Environmental impacts and mitigation for marina expansion: waterfowl staging, fish habitat, shoreline stability, World Biosphere Reserve, Ontario Municipal Board

Cardinal Golf Course, King Township, Ontario (Project Director)

Impacts of construction and expansion, wetland and forest preservation and buffers, turf and water management, Oak Ridges Moraine policies, restoration of an aggregate operation.

Dallaire Golf Course - Orillia, Ontario (Project Director)

Environmental design and Approvals - forest buffers, tree preservation, significant wildlife habitat, wild turkey management, naturalized stormwater management, turf and water management, cold water stream protection

David L. Charlton M.Sc., P.Ag., LEED® AP
Senior Principal, Environmental Management

**Emerald Hills Golf Course - Whitchurch-Stouffville,
Ontario (Project Director)**

Impacts of course changes, wetland and forest buffers, turf and water management, compliance with Oak Ridges Moraine policies

**Lake Fanshawe Rowing Centre Course Upgrades -
London, Ontario (Project Director)**

Directed staff in evaluating fish habitat impacts of course improvements, designing mitigation measures and obtaining all necessary work permits

**Maskinonge Waterfront Development - Georgina,
Ontario (2001 to 2003) (Project Director)**

Environmental feasibility studies for recreational development on Lake Simcoe, wetland, shoreline and fish habitat impact and mitigation studies

**Sandhills Golf and Residential Community - Uxbridge,
Ontario (1999 to 2003) (Project Director)**

Environmental design and Approvals - Plan of subdivision, forest and wetland buffers, tree preservation, naturalized stormwater management, cold water stream protection, Oak Ridges Moraine policies, Ontario Municipal Board

**York Major Golf Club - Vaughan, Ontario (2001 to
2003) (Project Director)**

Environmental design and Approvals - forest buffers, tree preservation, naturalized stormwater management, turf and water management, ESA and ANSI impacts, cold water stream protection, restoration of an aggregate operation.