

D. G. Taylor, Inc.

# Consulting Ecologist division

Ecological and Regulatory Management

...helping the environmentally responsible



## Your Challenge

To respond effectively to existing and emerging environmental issues in such a way as to enhance the public and regulatory perception of your organization — building shareholder and stakeholder confidence.

## The Solution

Meeting the expectations of the public, your shareholders, stakeholders and regulators all of whom demand that you identify and manage environmental issues and risk in an ecologically responsible manner.

## Our Role

Our thirty years of success helping private and public sector organizations identify, evaluate, and manage environmental issues effectively will help to meet your challenge.



74 Swansea St.  
Conception Bay South  
Newfoundland & Labrador  
Canada A1W 4S5

709.834.2461



709.834.7158

dtaylor@nfd.com



Visit us at [www.dgtaylorinc.com](http://www.dgtaylorinc.com)

1

# Corporate overview

## Current & Recent Clients

### Suncor — 2010

- preparation of environmental assesment update for offshore drilling

### Chevron Canada — 2009 & 2010

- Development of an environmental protection plan and supporting procedural documents for a deep water exploration drilling program
- Conduct of drilling waste disposal audit

### ConocoPhillips Canada — 2009 & 2010

- Development of an environmental protection plan and supporting procedural documents for a deep water exploration drilling program
- Audit of drilling mud waste disposal facility

### StatoilHydro Canada — 2007 to present

- Management of environmental assessments for a seismic survey and an exploration drilling program
- Development of an environmental protection plan and supporting procedural documents for a deep water exploration drilling program
- Ongoing support for operations including emergency response, environmental assessment updates & environmental protection planning

### Environmental Studies Research Funds (ESRF) — 2006 to Present

- Contracted as the ESRF East Coast Research Manager to support the ESRF Management Board and its East Coast Advisory Committee and project specific Technical Advisory Groups and to manage the execution of research projects sanctioned by the Management Board

### Fisheries and Oceans Canada — 2006 & 2007

- Facilitation and reporting on a workshop on Newfoundland and Labrador's offshore fisheries and seismic survey industries bringing together fishing, oil and gas industry and regulatory agency representatives
- Facilitation and reporting for a workshop on the potential establishment of a Marine Protected Area near Leading Tickles on Newfoundland and Labrador's northern coast

### Schlumberger — 2006

- Conduct of an environmental legislation compliance audit for a local Schlumberger facility

### Jacques Whitford — 2006

- Provision of external technical review for the Sydney Basin Strategic Environmental Assessment

### Husky White Rose Project — 2001 to Present

- Provision of environmental support services for project development and exploration including:
- Development and management of Husky's White Rose Environmental Effects Monitoring Program for Production Operations including development of monitoring approach for potential water quality effects
- Instituted a committee of external experts to contribute to the ongoing development and review of the White Rose Environmental Effects Monitoring Program
- Development and implementation of Husky's White Rose Environmental Protection Programs for exploration, drilling and production operations
- Management of various environmental assessments in support of Husky's East Coast drilling and seismic exploration programs offshore Newfoundland and Labrador
- Provision of environmental and regulatory management support for Husky's day to day East Coast Operations
- Development and management of Husky's White Rose Fish Habitat Compensation Program

- Management of various external consultants supporting Husky's environmental protection, compliance and effects monitoring programs
- Conduct of environmental audits on subcontractors supporting Husky's White Rose Development

## Previous Clients

### Infrastructure Canada — 2003 to 2004

Management of CEAA Screening of St. John's Harbour Clean Up project:

- Coordination of public registry; preparation of Screening Report; coordination of the federal government review of the project under the Canadian Environmental Assessment Act (CEAA)

### Hibernia Management & Development Company — 2001 to 2004

- Compliance audit of Offshore Chemical Management System
- On call for support on environmental issues

### Newfoundland and Labrador Hydro — 2001-2002

- Preparation of Voluntary Challenge Registry Report 1999-2000

### Hebron Project — 2001

- Technical support to regulatory process and design of an offshore environmental baseline survey.

### Canadian Association of Petroleum Producers — 2001

- Technical support for offshore seismic survey issues

### Hibernia Management & Development Company — 1997 to 2000

- Environmental management, community, fisheries liaison and regulatory management and compliance for project construction, close out and handover

- Development and implementation of a regulatory management processes for Hibernia operations phase
- Implementation of offshore environmental effects monitoring program; negotiation of — offshore chemical management system and fisheries compensation programs; technical and auditing support for Hibernia's operations

### Labrador Hydro Project — 1998 & 1999

- Independent technical review of bids for environmental data collection and evaluation studies
- Assistance in scoping environmental assessment process requirements

### Terra Nova Development Project — 1997 & 1998

- Assistance in development of offshore chemical management system and waste management procedures
- Assistance in development of a fisheries liaison function for the Terra Nova Construction Site at Bull Arm

### Public Works Canada — March 1993

- At the request of the department participated in the final internal reviews of the environmental documentation for the P.E.I. Fixed Link Project

## Other Roles

### — 1998-2000

- Vice-Chair of East Coast Environment Committee for the Canadian Association of Petroleum Producers

### — 1998-2000

- Ministerial appointee to the Environmental Studies Research Funds Management Board

### — January to March 1997

- Member of a national working group struck by Canadian Council of Ministers of Environment to advise on harmonization of environmental assessment processes in Canada

## Resume of Principal, D. G. Taylor

### **Newfoundland Offshore Development Constructors & Hibernia Management And Development Company Ltd.**

— December 1990 to May 1996



#### **Environment & Community Relations Manager**

Responsible for development and implementation of the environmental protection & community relations program for the construction of the Hibernia oil production platform

- ☛ Accountable for compliance with the Project Environmental Protection Plan, environmental regulations, permits and policies.
- ☛ Responsible for the organization and recruitment of the environmental department staff.
- ☛ Maintained positive working relationships with the Federal and Provincial Agencies that regulated the project and the Provincial Government's committee established to oversee the implementation of the Environmental Protection Plan.
- ☛ Development and implementation of fisheries and community relations programs aimed at minimizing the effect of the project on the local communities and the fishery.
- ☛ Working with Project engineering and construction staff and subcontractors to ensure implementation of environmental protection measures in project design and construction.
- ☛ Responsible for all aspects of administration, budgeting and consultant contract management for the environment department.



## Newfoundland Department Of Environment & Lands

— December 1987 to December 1990



### Director, Environmental Assessment Division

Responsible for the all aspects of the implementation and administration of the Environmental Assessment Act and Regulations and the Pesticide Control Act and Regulations.

- ☛ Accountable for to the Assistant Deputy Minister of the Department of Environment and Lands.
- ☛ Responsible for the activities of the Environmental Assessment Division consisting of twelve staff distributed among three Sections -Environmental Assessment, Environmental Impact Management and Pesticide Control.
- ☛ Responsible for policy and program development related to the legislative mandates assigned to the Division and the maintenance of high professional standards and technical competence among Divisional staff.
- ☛ Liaison with senior technical representatives and administrators of other provincial and federal departments affected by the mandate administered by the Division.
- ☛ Responsible for advising the Department's Senior Executive and Minister on projects under review by the Division, developing issues, and the need for program or policy changes.
- ☛ Ensured the accuracy and consistency of the technical and policy advice provided to senior representatives of provincial and federal departments, municipalities, the private sector, public and the media.
- ☛ Responsible for the resolution of conflicts resulting from the application the Environmental Assessment and Pesticide Control legislation to those affected by the legislation.
- ☛ Chairman of the Provincial Pesticide Advisory Board reporting to the Minister of Environment and Lands for the licensing of pesticide operations.
- ☛ Chairman of the Provincial Technical Working Group to a senior officials committee charged with environmental management of the onshore development associated with Hibernia project.
- ☛ Chairman of a Provincial committee to develop recommendations to Cabinet on the environmental regulation of all terrain vehicle use.

### Independent Consultant — June 1987 to December 1987

- ☛ Retained under contracts for Sable Gas Systems, TransCanada Pipelines and Energy Mines and Resources Canada.
- ☛ Developed the final environmental and socio-economic and right-of-way documentation preparatory to the final shutdown of the Sable Gas Systems Project.
- ☛ Prepared responses to questions from U.S. regulatory agencies arising from the Iroquois Gas Transmission System's proposal to the Federal Energy Regulatory Commission.
- ☛ Retained to develop one of several technical background papers as a contribution to Energy, Mines and Resources Canada's "Energy Options" program.

## Sable Gas Systems — September 1983 to June 1987



### Supervisor, Environmental Affairs

Responsible for development of the environmental and socio-economic volumes of an application to the National Energy Board (NEB) for a natural gas pipeline extending from Sable Island to the New Brunswick — Maine border.

- ☛ Planning, organization and implementation of studies required for the environmental and socio-economic assessments for an offshore/onshore pipeline system from Sable Island to the U.S. border in New Brunswick and a gas conditioning plant.
- ☛ Participated in pipeline route selection and site selection for an associated gas plant and the development of the NEB application relating to alternatives to the proposed system.
- ☛ Coordinated activities among TransCanada PipeLines and, Sable Gas Systems Engineering, Right-of-Way and Environmental staff and seven local environmental and socio-economic consulting firms.
- ☛ Developed environmental mitigation measures and socio-economic policy commitments in cooperation with Sable Gas Systems engineering and management staff to meet the twin objectives of environmental integrity and economic feasibility.
- ☛ Liaison with local federal, provincial and municipal regulatory agencies and public interest groups to identify environmental and socio-economic issues to be addressed in the facilities application and project design.
- ☛ Participated in industry reviews of National Energy Board and Canada Oil and Gas Lands Administration regulations and guidelines to help ensure that appropriate environmental requirements were incorporated in these statutes.
- ☛ Responsible for the orderly phase down of both right of way and environmental functions at the termination of the project.
- ☛ Assigned to TransCanada PipeLines for 12 months to plan, organize and implement environmental studies and field programs to satisfy U.S. Federal and State permitting and environmental assessment requirements for Iroquois Gas Transmission's proposed marine pipeline crossing of Long Island Sound.



## Environment Canada — July 1980 to September 1983



### Environmental Assessment Coordinator

Coordinated of the regional office's role in the Federal Environmental Assessment and Review Process and contributed to research projects

- ☛ Represented Lands Directorate on the Regional Screening and Coordinating Committee for Environmental Assessment and Review Process.
- ☛ Reviewed and coordinated directorate reviews of environmental impact statements.
- ☛ Provided liaison and technical advice to other federal departments and outside agencies.
- ☛ Participated in coastal mapping for oil spill contingency planning along the Newfoundland and Nova Scotia coastlines.
- ☛ Conducted pilot study on the application of remote sensing techniques for coastal land classification.
- ☛ Participated in ecodistrict mapping of the Atlantic Region.
- ☛ Investigated the relationships between wildlife distributions and ecoregions defined for Canada.
- ☛ Contributed to a study investigating the land-related impacts of increased coal mining in the Atlantic Region.
- ☛ Contributed to a national working group developing wildlife habitat inventory guidelines for Canada under the auspices of the Canada Committee on Ecological Land Classification, and acted as the Newfoundland/Labrador coordinator for that working group.

## Environment Canada — May 1978 to July 1980

### Research Officer

- ☛ Involved in developing, testing and application of ecological land classification techniques requiring compilation and analysis of data, preparation of scientific texts and map manuscripts.
- ☛ Assisted in coordination and liaison functions among federal and provincial natural resource agencies, university and industry on behalf of the Secretariat for the Canada Committee on Ecological Land Classification
- ☛ Organized the first national workshop to discuss and develop approaches for the integration of wildlife data into ecological land surveys in Canada.





## **Carleton University**

— 1974 to 1977

### **Research and Teaching Assistant**

- ☛ Conducted laboratories and seminars in first and second year biology, third year ecology, and fourth year zoology courses; evaluated students, prepared and presented class material.

## **National Museums Of Canada — 1976 to 1977**

### **Independent Consultant**

- ☛ Prepared large and small mammal specimens for accession into museum's collection.

## **P.E.I. Department Of Environment And Tourism — Summer 1974**

### **Field Researcher**

- ☛ Participated in Bluefin Tuna Survey off the north shore of Prince Edward Island gathering baseline data on tuna body weight and length, internal organs and stomach contents and conduct of preliminary experiments in radio tagging and tracking to determine behavioural responses to angling.

## **P.E.I. Department Of Fisheries — Summer 1973**

### **Field Researcher**

- ☛ Determined with local fishermen the potential for dogfish fishery on the northern shore of Prince Edward Island. Field tested long line setting apparatus and an automatic baiting machine.

## **Ontario Water Resources Commission — Summer 1971**

### **Field Assistant (Biology)**

- ☛ Engaged to survey benthic invertebrates and fish populations and water quality to evaluate the ecological state of lakes, rivers and streams in southwestern Ontario, including Lake Huron and Lake Erie.





## Publications

L.V. Grattan, J. Hodder and D.G. Taylor, 1998. **Hibernia Development Project - Flagship and Guinea Pig.** In Assessment and Impacts of Megaprojects. In Ryan, P. M. (ed.) 1999. Proceedings of the 38th Annual Meeting of the Canadian Society of Environmental Biologists, October 1998. Canadian Society of Environmental Biologists. Toronto.x+233p.

Lien, J., D.G. Taylor, D. Borggaard, 1995. **Management Of Underwater Explosions In Areas Of High Whale Abundance.** Published by The Society of Naval Architects of Japan. In MARIENV'95 Vol #2 pp. 627-632.

Wilson, D.A. and D.G. Taylor. 1984. **Remote Sensing In The Atlantic Coastal Zone.** Lands and Integrated Programs Directorate, Atlantic Region, Environment Canada.

Taylor, D.G. 1983. **A Survey Of The Users Of Animal Habitat Information In Newfoundland & Labrador.** In Proceedings of Second National Meeting of the CCELC Wildlife Working Group held in Banff, Alberta, March 1982.

Wiken, E.G., D.M. Welch, G.R. Ironside and D.G. Taylor. 1981. **The Northern Yukon: An Ecological Land Survey.** Ecological Land Classification Series No. 6, Lands Directorate, Environment Canada.

CCELC. 1980, **Land/wildlife Integration.** Proceedings of a workshop held on May 1 and 2, 1978 in Saskatoon to discuss the incorporation of wildlife information into ecological land surveys. Compiled and edited by D.G. Taylor.

Wiken, E.G., D.M. Welch, G.R. Ironside, D.G. Taylor and J. Thie. 1978. **Ecological Land Survey Of The Northern Yukon.** In Applications of Ecological (Biophysical) Land Classification in Canada. Proceedings of the second CCELC meeting compiled and edited by C.D.A. Rubec. Ecological Land Classification Series No. 7, Lands Directorate, Environment Canada, 1979.

Taylor, D.G. 1978. **Wildlife In Ecological Land Classification Studies.** Canada Committee on Ecological Land Classification (CCELC) Newsletter No. 4, 1978

## University Education

### Carleton University, Ontario, May 1978

*Degree:* Master of Science in Biology

*Thesis:* "The Population Biology of White-footed Mice in an Isolated and Non-Isolated Woodlot in Southeastern Ontario"

### University Of Western Ontario London, Ontario, June 1974

*Degree:* Bachelor of Science (Honours) Zoology

*Honours Thesis:* "Seasonally Adaptive Variation in *Peromyscus leucopus noveboracensis*"

## Invited Public Talks

### Lessons Learned from Atlantic Canada's Offshore Experience

— BC Oil and Gas Development, December 6<sup>th</sup> & 7<sup>th</sup> 2001 Vancouver, BC

### Environmental Perspectives on the East Coast Offshore Oil and Gas Industry

— Atlantic Canada Oil and Gas 2001 April 23<sup>rd</sup> & 24<sup>th</sup> 2001 St. John's, NF



...helping the environmentally responsible