

### Attachment A: Company and Personal Profiles

#### 1.1 Compass Resource Management

Based in Vancouver, British Columbia, Compass Resource Management Ltd. is a team of research and consulting professionals dedicated to improving both the quality of policy and management decisions and the decision-making capacity of citizens, organizations and governments. We are committed to providing high quality, objective research and analysis to support public policy decisions in resource management, environmental management and technology development.

With backgrounds in engineering, economics, environmental science, business, sociology and planning, Compass offers decision makers a unique combination of research, analysis, and facilitation skills. The cornerstone of our approach is our ability to integrate critical analysis with meaningful dialogue to produce robust and defensible planning and assessment frameworks, even in the face of considerable uncertainty or controversy.

In operation since 1996, we have seven senior consultants and a larger network of associates and partners. We have combined skills and experience in all aspects of resource management, including environmental sciences, planning, decision analysis, resource economics, engineering, applied research, project management and group facilitation. We customize project teams to meet client needs by handpicking consultants with relevant specialized expertise.

Over the past ten years, we have worked in virtually every aspect of water management – *environmental assessments, water allocation, watershed planning, drinking water source protection, liquid waste management, climate change, and fish and wildlife habitat protection*. We have brought innovative evaluation methods to multi-stakeholder groups involved in collaborative planning processes, to technical working groups tasked with integrating science with decision making, and to interagency regulatory agencies charged with developing participatory planning and evaluation frameworks. We have developed innovative economic and regulatory instruments, including demand management, tradable permits and pricing strategies, and conducted detailed economic and environmental analyses. We have worked with First Nations, community groups, and regional districts to evaluate the implications of land and water use planning decisions on resource use, including implications for water, wastewater and energy management.

Compass has implemented over 300 projects encompassing environmental sciences, water management, energy sector, economic analysis, and forestry, amongst others. Summaries of these can be accessed, many with downloadable reports, from our project database at:

[www.compassrm.com](http://www.compassrm.com)

#### 1.2 Value Scope Research

Value Scope Research, founded in 1996, works on problems of environmental and risk management, value elicitation, and negotiated decision making. The company is led by Robin Gregory, who is also a Senior Researcher at Decision Research, Associate Director of the Eco-Risk Research Unit at the University of British Columbia, and an Adjunct Faculty member with the

School of Environmental Studies, University of Victoria. Projects conducted by Value Scope Research emphasize both research and applied aspects of resource management related to:

- the development of methods to help environmental managers understand stakeholder values and the anticipated consequences of environmental actions characterized by multiple dimensions and substantial uncertainty.
- facilitation and analysis with representative stakeholder committees to create broadly supported risk management and environmental policy alternatives.
- trainings to improve the decision-making skills of risk managers and other professionals working with environmental policy organizations.
- integrating information from different sources of knowledge (scientific, indigenous, local resource users) to strengthen the link between information collection and better environmental decision making.

Dr. Gregory lives near Vancouver, Canada, and often serves as a consultant to government agencies, interest groups, and industry in the United States, Canada, and internationally.

### 1.3 Related Projects

#### **Township of Langley Water Management Plan**

*Ministry of Environment, Ministry of Agricultural and Lands, Township of Langley, 2007-8*

Designed and facilitated the first municipal water management plan in the province of BC under Part 4 of the *Water Act*. This 2-year interagency and public planning process built upon past research and planning initiatives undertaken by the Township. The purpose of the plan was to address current and future conflicts over water use and agree to a sustainable water management system that balanced the community's environmental, social and financial interests. Key components of the planning process included integrating public values through the establishment of a multi-stakeholder advisory committee, expert workshops, and public open houses; assessing the effectiveness of various regulatory, economic, and voluntary measures; selecting a preferred package of management options; and developing a monitoring and implementation plan.

#### **BC Hydro Water Use Planning Program**

*BC Hydro, 1998 – 2006*

Compass has been actively involved in designing and delivering BC Hydro's Water Use Planning program that was established and implemented in the 1990s and continues today. We have either led or otherwise helped develop approximately half of the water use plans carried out around the province. Our involvement in these processes consisted of design and implementation of structured methods for identifying and evaluating options to address water use conflicts and ultimately to make water allocation/relicensing decisions. These methods were used in consultative processes involving government regulators, municipal governments, First Nations, scientists, and stakeholders. Throughout these projects, we worked in close collaboration with the BC Hydro project managers and interagency management committees, including developing work plans for BC Hydro staff, facilitating internal process team meetings and liaising with interagency management committees.

#### **BC – Alberta Bilateral Water Management Agreement: Options Assessment**

*BC Ministry of Environment / Alberta Environment*

Under the *Mackenzie River Basin Transboundary Waters Master Agreement*, Compass assisted the governments of BC and Alberta develop a bilateral assessment framework, including a preliminary evaluation of bilateral water management options. This work focused on facilitating an inter-governmental planning team develop a structured options

assessment framework that will be used as a basis for establishing a water management agreement.

## 1.4 Personnel Profiles

### **Lee Failing, MRM, P.Eng.**

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Lee is a professional engineer and decision analyst specializing in water resources management and policy. Her experience includes project management, policy evaluation, decision modeling, and multi-stakeholder process design and facilitation in British Columbia and internationally. She designs and delivers training in structured decision making and expert judgment elicitation, and conducts research in applied decision analysis.

### **Michael Harstone, M.Sc., P.Eng.**

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Michael Harstone is a planner and a water resources engineer with over ten years experience on a wide range of challenging water and land use planning processes. He is a skilled facilitator with specialized skills in decision analysis and working with technical inter-agency teams. His decision sciences background is built into his facilitation style in order to structure assessment frameworks and expedite group processes contending with complex and uncertain science and help uncover difficult financial, social, and environmental choices.

### **Graham Long, B.Eng., Eng.D.**

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As a decision analyst and VBA (Visual Basic for Applications) programmer, Graham has led the development of custom-designed decision support tools at Compass. In addition, he has designed and facilitated a wide array of multi-stakeholder and technical processes for a variety of public sector clients, primarily the Department of Fisheries and Oceans, the US Fish and Wildlife Service, BC Ministry of Environment and BC Hydro. He regularly provides training sessions for managers on structured decision making as applied to environmental regulation and consultation.

### **Robin Gregory, PhD.**

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Robin is a decision scientist who is an internationally recognized expert in value structuring and evaluation frameworks. He received his economics undergraduate degree at Yale University, and this was followed with a PhD in economics and psychology from UBC. He is an advisor to the US EPA Science Advisory Board on stakeholder participation in environmental decisions.