

EXPERIENCE SUMMARY

Terry Antoniuk is an independent consultant with wide-ranging environmental and public involvement experience. He has designed, conducted, and managed environmental and socio-economic programs in Alberta, British Columbia, Northwest Territories, Yukon, Saskatchewan, Manitoba, Ontario, Quebec, Newfoundland, and Russia.

Trained as a biologist, Terry spent thirteen years in the energy industry. He established Salmo Consulting Inc. in 1992 and continues to provide technical advice on assessment and management of cumulative and project-specific environmental and social effects.

His recent work includes: development of landscape/cumulative effects management and regulatory systems in four jurisdictions; independent review of impact assessments for territorial and provincial regulators and non-profit groups; project impact and cumulative effects assessment for provincially and federally regulated energy facilities and pipelines; regional cumulative effects assessments for government and industry; regulatory/public communication strategies and plans; preliminary design and technical and economic evaluations of a large predator exclusion fence for boreal caribou recovery; developing a national guideline for boreal caribou action plans; independent lead for a boreal caribou recovery plan; project management for a habitat compensation program in Jasper National Park and Mount Robson Provincial Park; design, review, and implementation of aquatic and terrestrial monitoring and research programs; applying a landscape simulation model for watershed planning and management; developing a watercrossing inventory and remediation program; and preparation of environmental

operating guidelines and wildlife protection plans.

Since 1978, Terry's key responsibilities have included: independent review of applications and plans; coordination of multi-disciplinary teams; design and management of environmental and socio-economic research, programs, and budgets; environmental and socio-economic impact assessment; ongoing liaison and negotiation with government agencies, communities, and environmental groups; regulatory planning; community engagement programs; and workshop facilitation. He has also acted as a public hearing expert witness and expert advisor to regulators.

EDUCATION AND TRAINING

University of Alberta, 1978
B.Sc. (Honors), Zoology

Standard First Aid 2014, WHMIS 2005;
Wilderness Survival 2003

PROFESSIONAL HISTORY

1992 - Present
SALMO CONSULTING INC.
Principal

1977, 1978 - 1991
Gulf Canada Resources Ltd.
Environmental Coordinator and Advisor

1975, 1976
Alberta Fish and Wildlife Division
Fisheries Technologist



LAND PLANNING /MANAGEMENT

- Team participant evaluating Yukon fish and wildlife cumulative effect management strategies.
- Led team developing national caribou action planning methodology guide for Canadian Boreal Framework Agreement (2011-2015).
- Independent leader of multi-stakeholder study evaluating long-term effects of land use on water quality and supply in the Upper Bow River Basin, Alberta (2009-2011).
- Independent Team Leader for Government of Alberta Athabasca Caribou Landscape Team developing northeast Alberta caribou conservation and recovery plan (2008-2009).
- Complete modeling to demonstrate implications of applying land management thresholds for oil and gas development in the Dehcho region (2009).
- Worked with modeling group simulating effects of alternate land-use scenarios on ecological indicators in the Lower Athabasca (oil sands) region (2009).
- Worked with Alberta Land Use Framework initiative to develop predictive modelling tools for regional land use planning.
- Developed environmental indicators and targets for Sahtu Land Use Planning Board, NWT (2008-2009).
- Developed environmental and social indicators and target implementation process for NWT for Environmental Studies Research Program (2007-2008).
- Worked with North Yukon Planning Commission to develop cumulative effects assessment and management tools for regional land use plan.
- Developed social and environmental cumulative effects indicators and thresholds for the Deh Cho Land Use Planning Committee, southern NWT.
- Developed Muskwa-Kechika case study for National Round Table on the Environment and the Economy to identify fiscal and regulatory

instruments for conservation of the boreal forest

- Worked with Muskwa-Kechika Oil and British Columbia Ministry of Sustainable Resource Management to define ecological indicators and thresholds for oil and gas development.
- Led Athabasca Oil Sands Cumulative Effects Management Association workshop on use and identification of thresholds for fish and wildlife indicators.
- Participant in group developing regional land use plan for the Mackenzie Delta-Beaufort Sea region.

Cumulative Effects Management

- Advisor to BC government cumulative effects management pilot in NW British Columbia.
- Led workshop developing cumulative effects assessment and management framework for offshore Beaufort Sea.
- Conducted study funded by Environmental Studies Research Funds to develop cumulative effect indicators and thresholds for the Mackenzie Valley region, NWT.
- Coordinator for multi-disciplinary Northern Ecosystem Initiative research team developing wildlife, aquatic, social and economic dose-response curves and thresholds for northern Canada (Yukon, NWT, and Labrador).
- Prepared background paper for NWT workshop on setting and implementing cumulative effect thresholds.
- Conducted study funded by Environmental Studies Research Funds to develop cumulative effect indicators and thresholds for the Beaufort Delta region, NWT.
- Conducted study funded by Dehcho Land Use Planning Committee to develop cumulative effect indicators and thresholds for the Dehcho planning region, NWT.



LAND PLANNING /MANAGEMENT (CONT).

- Worked with Muskwa-Kechika Oil and Gas Pre-tenure planning team to identify results-based indicators and targets (thresholds).
- Worked with multi-stakeholder Cumulative Effects Management Association to develop fish and wildlife management objectives for the oil sands area.
- Assessed cumulative effects of existing and proposed human activities on burrowing owl, ferruginous hawk, sharp-tailed grouse, and mule and white-tailed deer in Saskatchewan.

CARIBOU MANAGEMENT

- Led team developing preliminary design and regulatory, implementation, and stakeholder engagement strategies for a large caribou predator exclosure fence in northeast Alberta (2015-2017).
- Organized and facilitated 30 person workshop to develop standardized caribou assessment and habitat recovery methods (2014)
- Organized and facilitated 80 person workshop on caribou habitat recovery options (2014).
- Independent review of draft woodland caribou habitat compensation/offset plans (2014-2015).
- Led team conducting cost effectiveness analysis of a large caribou predator exclosure fence in northeast Alberta (2013-2014).
- Team participant evaluating Yukon fish and wildlife cumulative effect management strategies, including caribou range planning (2013).
- Organized and facilitated national workshop to discuss boreal caribou action planning (2012).
- Led team developing national caribou action planning methodology guide for Canadian Boreal Framework Agreement (2011-2014).

- Developed technical guidelines for caribou predator exclosure management; organized and facilitated 50 person expert workshop as key input to the guidelines (2011-2012).
- Senior advisor to Alberta Biodiversity Monitoring Institute study on boreal caribou response to pipelines and associated linear features (2011).
- Independent Team Leader for Government of Alberta Athabasca Caribou Landscape Team developing northeast Alberta caribou conservation and recovery plan (2008-2009)
- Five year telemetry study to investigate boreal-ecotype resource selection relative to habitat, land use, and predators near Fort Nelson, British Columbia and develop cumulative impact management tools (2004-2007).
- Summarized land use thresholds and analyses used for woodland caribou management; presentation at Environment Canada thresholds workshop (2006).
- Prepared Caribou Protection Plans for proposed activities in West Central, Northwest, and Northeast Boreal regions of Alberta, Mackenzie Delta, and Yukon North Slope.
- Assessed effect of gas development on woodland caribou in northern Alberta.

ENVIRONMENTAL STUDIES

Terrestrial

- Assessed cumulative effects of existing and proposed human activities, including hydrocarbon infrastructure on carnivores, ungulates, and birds in British Columbia and Alberta.
- Overwintering ungulate surveys for caribou, moose, Dall sheep, and mountain goats in west-central and northern Alberta and northwest British Columbia.
- Designed air quality, vegetation and soils monitoring program for sour gas plant in northeast British Columbia.



ENVIRONMENTAL STUDIES (CONT.)

- Reviewed soil and vegetation monitoring results for Key Lake Uranium mine in Saskatchewan to evaluate program design and recommended modifications.- Spring and summer aerial wildlife surveys for caribou, grizzly bear, and raptors in northeast British Columbia and Mackenzie Delta, NWT.
- Waterfowl surveys in northern Alberta and Mackenzie Delta, NWT.

Aquatic

- Fisheries lead on proposed pipeline looping through Jasper National Park and Mount Robson Provincial Park.
- Directed revisions of cumulative effects and compensation sections of Water Crossing Guide.
- Developed remediation program for failed crossings in northwest Alberta.
- Led team that prepared background paper on Explosives Use Beneath Waterbodies for Canadian Association of Petroleum Producers.
- Summarized literature on effects of natural disturbance and human activity on fish in the oil sands area; prepared for the multi-stakeholder Cumulative Effects Management Association.
- Developed effects monitoring program for under-ice seismic program in the Mackenzie Delta.
- Designed water quality and fisheries monitoring program for Arctic grayling stream affected by produced water blowout in Fort Nelson River watershed of northeast British Columbia. Prepared report summarizing year-long aquatic monitoring program.
- Implemented aquatic ecosystem monitoring program for mine in northern Ontario. Program was designed to detect acid mine drainage effects in sediments, water, benthos, phytoplankton, and sport fisheries.
- Assessed cumulative effects of existing and proposed industrial activities on fisheries habitat capability, bull trout, and Arctic grayling in several watersheds in northeast British Columbia and western Alberta.
- Member of technical group directing cumulative effects research for multi-stakeholder Northern Watershed Project, a multi-stakeholder program evaluating natural and disturbance-related watershed processes on salmonids in northwestern Alberta.
- Designed and implemented aquatic monitoring program to detect acid mine drainage in northwestern Ontario. Integrated program with Ministries of Energy and Environment (MOEE) and Natural Resources (MNR).
- Project manager for Environmental Studies Research Funds (ESRF) project on fish habitat in the Beaufort Sea-Mackenzie Delta area. Directed government-industry-native scientific committee.
- Designed, coordinated and conducted numerous water quality, hydrology, fisheries, and benthic invertebrate investigations in west-central, north-central, and northeast Alberta, northeast and northwest British Columbia, and Mackenzie Delta, NWT.
- Conducted study funded by BC Oil and Gas Commission Environmental Fund to evaluate cumulative effects in two areas of northeast BC and identify thresholds for land and watershed management.
- Developed discussion paper for multi-stakeholder initiative to inventory and protect native fish on Alberta's Eastern Slopes.
- Reviewed predictive models applicable to fish and wildlife management in the oil sands area for the multi-stakeholder Cumulative Effects Management Association.
- Identified cumulative effects issues and mitigation measures relevant to pipelines for the Gas Research Institute.



ENVIRONMENTAL PROTECTION

Environmental Protection Plans

- Led team developing national caribou action planning methodology guide for Canadian Boreal Framework Agreement (2011-2014).
- Independent Team Leader for Government of Alberta Athabasca Caribou Landscape Team developing northeast Alberta caribou conservation and recovery plan.
- Prepared grizzly bear, wolverine, barren-ground caribou and migratory bird protection plans for development project in tundra ecosystem.
- Prepared western Canada watercourse crossing decision criteria and inventory guide for large energy company.
- Prepared fisheries habitat restoration, enhancement, compensation and cumulative effect portions of Pipeline Associated Watercourse Crossing Guidelines (2nd and 3rd Edition) for the Pipeline Industry (2005).
- Defined wildlife protection measures for 160-km sour gas pipeline in foothills of Alberta and British Columbia.
- Prepared Environmental Protection Plan for 160-km pipeline, watercourse crossings, and associated facility in northeast British Columbia.
- Lead consultant and project manager for southern Alberta sour gas facility and pipeline assessment and applications (Conservation and Reclamation Plan, Historical Resources Assessment, and Water Crossing Application)
- Prepared Development and Reclamation Plans for operating and abandoned gravel pits.- Prepared Conservation and Reclamation Plans for three sour gas pipelines in the Hay-Zama production area.
- Prepared environmental operating guidelines for seven gas producers in northeast BC.
- Prepared Environmental Protection Plans for offshore drilling and pipeline construction in northern Canada.

Site Assessments and Audits

- Environmental audit of 200 Mmcf/day sour gas facility in northeast British Columbia.
- Audit of corporate environmental program and operating practices for northeast British Columbia operating area.
- Audit Team Leader for audit of five oil and gas fields in central Alberta.
- Environmental assessments and audits of over 500 oil and gas facilities and sites in Alberta, British Columbia, Saskatchewan, and Manitoba prior to sale or purchase.
- Coordinated inspection of spill sites, pipeline ROWs and stream crossings, well sites, facilities, and properties at Gulf's oil and gas operations in Alberta and Saskatchewan to identify environmental concerns and appropriate mitigative measures.
- Designed program to assess existing oil properties in Russia, quantify problems, and define mitigative measures.

Contaminated Sites

- Identified ecological receptors for contaminated site risk assessments in central and northern Alberta and Northwest Territories.
- Prepared remediation plan for groundwater contamination at a battery site in central Alberta.
- Coordinated multi-million dollar restoration of site in Quebec with soil and groundwater heavy metal contamination; included detailed chemical and hydrogeological investigations, negotiation of regulatory requirements with Quebec Environment, design of site restoration plan, and surface and groundwater monitoring.
- Site investigation of property and residence contaminated by a leaking underground gasoline tank.



ENVIRONMENTAL MANAGEMENT

Environmental Management Systems

- Developed best practices guide and biodiversity offsets framework for large petroleum company.
- Prepared environmental management program for junior petroleum companies.
- Prepared Environmental Operating Practices for exploration and production activities in Alberta, British Columbia, and Saskatchewan for large petroleum company.
- Co-author of Canadian Association of Petroleum Producers Innovative Footprint Reduction tools report.

Environmental Inspection

- Coordinated development of computer databases for Environmental Inspectors to prepare field inspection reports, electronically transmit these to a central database, and prepare an automated daily report. Versions prepared for use by Alliance Pipeline inspectors in Canada and United States.
- Assisted with development of template and reporting process for Alliance Pipeline Environmental As-Built Reports submitted to the NEB.

PUBLIC INVOLVEMENT

Community Engagement

- Presented environmental issue and method summaries to west coast groups interested in tanker and pipeline operations and spills.
- Project coordinator for multi-stakeholder group managing habitat compensation fund in Jasper National Park and Mount Robson Provincial Park.
- Designed and coordinated Gulf's community relations activities in Northwest Territories and Yukon including: issue identification, monitoring, and scoping; and consultation with northern native and non-native communities, groups, and individuals.

- Resident contacts for preparation of sour facility Emergency Response Plans and trapper contacts for notification of seismic and drilling activities.

Facilitation

- Organized and facilitated 30 person workshop to develop standardized caribou assessment and habitat recovery methods.
- Organized and facilitated 80 person workshop on caribou habitat recovery options.
- Organized and facilitated 60 person national workshop to discuss boreal caribou action planning.
- Organized and facilitated 50 person expert workshop on caribou recovery.
- Facilitator for regional fisheries enhancement and compensation workshop in Fort McMurray hosted by Trout Unlimited Canada and Pembina Pipelines.
- Facilitator for discussions of environmental legacy projects in the Greater Yellowhead Ecosystem.
- Facilitator for Beaufort Sea Integrated Management Planning Initiative community workshop in Inuvik.

REGULATORY AFFAIRS

Regulatory Strategy and Approvals

- Member of project team evaluating feasibility of land use cap and trade system for cumulative effects management in the NWT.
- Member of team advising inter-departmental Upstream Oil and Gas regulatory initiative.
- Developed social and environmental cumulative effects indicators and thresholds for North Yukon planning region; Beaufort Delta region, NWT; and Dehcho planning region, NWT.
- Developed Muskwa-Kechika case study for National Round Table on the Environment and the Economy to identify fiscal and regulatory instruments for conservation of the boreal forest



- Worked with Muskwa-Kechika Oil and British Columbia Ministry of Sustainable Resource Management to define ecological indicators and thresholds for oil and gas development.
- *Fisheries Act* approval for seismic program in Gull Lake, Alberta.
- *Fisheries Act* approvals for watercourse crossings in Alberta.
- *Fisheries Act* approvals for under-ice seismic program in the Mackenzie Delta.
- Environmental and technical approvals strategy and planning for natural gas and transmission pipeline development in the Mackenzie Delta/Mackenzie Valley.
- *Fisheries Act* and *Navigable Waters Protection Act* approvals for bridge across Fort Nelson River north of Fort Nelson.
- Summarized regulatory regime for petroleum exploration, development, and production in Fort Liard area of Yukon and Northwest Territories.
- Prepared habitat enhancement, monitoring, and compensation sections of the Canadian Pipeline Water Crossing Committees' Watercourse Crossing guide.
- *Fisheries Act* and *Navigable Waters Protection Act* permitting for bridge across Peace River near Fort St. John.
- Prepared environmental planning, consultation, and access management sections of the British Columbia Oil and Gas Handbook issued by the provincial government.
- Reviewed and summarized regulatory approvals process, socio-economic, and First Nations issues associated with hydrocarbon exploration, construction, and operations in British Columbia.
- Coordinated environmental approvals planning for a large diameter NEB/EARP-regulated oil pipeline in northern Canada.
- Environmental approvals planning for a large diameter NEB-regulated gas pipeline in northern Canada.

- Prepared environmental applications for a mineable oil sands project, in-situ oil sands projects, coal mines, and ongoing exploration, production, and remediation/reclamation programs in Alberta, British Columbia, Saskatchewan, Quebec, Newfoundland, Northwest Territories, Yukon, and Inuvialuit lands.

Public Hearings

- Independent advisor to Mackenzie Valley Environmental Impact Review Board environmental impact review of Gahcho Kue diamond mine proposal
- Environmental support for proponent in Mackenzie Gas Project Joint Review Panel and National Energy Board hearings.
- Independent advisor to Mackenzie Valley Environmental Impact Review Board hearing on Paramount Cameron Hills Development Assessment Report.
- Environmental witness for proponent in EUB hearing on proposed TransAlta Keephills power plant expansion.
- Environmental witness for proponent in NEB/CEAA hearing on proposed Alliance Pipeline Project.
- Producer environmental witness in NEB hearing on Westcoast Energy Inc. gas plant and gathering system expansion proposals.
- Environmental and community relations witness and hearing coordinator for Inuvialuit EIRB public review of proposed offshore drilling proposal in the Beaufort Sea.
- Provided community and media relations support for the Esso/Shell/Gulf Mackenzie Delta NEB Gas Export Application northern hearing.



IMPACT ASSESSMENT

Federal

- Senior environmental contributor and reviewer for NEB application to loop existing Trans Mountain Pipeline.
- Independent technical advisor for Mackenzie Valley Environmental Impact Review Board evaluation of proposed Gahcho Kue diamond mine.
- Fisheries and cumulative effect assessments (CEA) for National Energy Board (NEB) and Parks Canada-regulated Terasen Pipelines loop through Jasper National Park and Mount Robson Provincial Park.
- Independent technical reviewer for Mackenzie Valley Environmental Impact Review Board evaluation of gas development expansion.
- Prepared CEAA Screening Report for proposed facility expansion in Kootenay National Park.
- Worked with Mackenzie Gas Project environmental and community consultation teams on behalf of Mackenzie Delta producers.
- Prepared CEA and coordinated wildlife assessment for proposed NEB-regulated 160-km long sour gas pipeline in foothills of Alberta and British Columbia.
- Prepared CEA for Department of Fisheries and Oceans CEAA screening of gas facility and pipeline in Fort Nelson and Petitot River watersheds of British Columbia and NWT.
- Coordinated environmental and socio-economic application for Alliance Pipeline NEB/CEAA review. Prepared CEA and overall impact assessment methodology and acted as environmental witness during hearing.
- Prepared wildlife assessment section of NEB-regulated proposed sour gas plant and gas gathering pipeline in boreal forest of British Columbia and Alberta.
- Assessed regional and cumulative environmental issues for natural gas producers involved in hearings on Fort St.

John/Aitken Creek gas gathering system expansion NEB application.

- Assessed regional and cumulative environmental issues for natural gas producers involved in NEB hearings on Pine River gas plant expansion NEB application.
- Provided environmental and socio-economic input to the Esso/Shell/Gulf Mackenzie Delta NEB Gas Export Application and hearings. Conducted community and media relations.
- Coordinated preparation of Environmental Impact Statement (EIS) for Inuvialuit EIRB public review of Beaufort offshore drilling proposal. EIS assessed potential effects of routine exploration activities and major oil spill. Environmental and community affairs witness during public hearings.
- Coordinated preparation of EIS for DFO review of Beaufort offshore drilling proposal. This was first EIS done for DFO using new review guidelines.
- Coordinated Gulf Canada Resources' (Gulf) environmental and socio-economic input to the Hibernia EIS and support to Dome/Esso/Gulf Beaufort Sea Hydrocarbon Development EARP Impact Assessment (BEARP).

Alberta

- Independent reviewer retained by Alberta Environment to evaluate aquatic sections of mineable oil sands Environmental Impact Assessment (EIA).
- Completed ecological risk assessment for Agrium Gypsum Stack Extension EIA.
- Independent reviewer retained by EUB to evaluate aquatic sections of mineable oil sands EIA.
- Prepared CEA for the West Central Caribou Range area.
- Prepared terrestrial and aquatic CEA for 2 areas in foothills of west-central Alberta.



IMPACT ASSESSMENT (CONT.)

- Directed CEA for proposed Keepphills power plant expansion.
- Prepared CEA for two proposed *in-situ* oil sands projects in Cold Lake area of northeast Alberta.
- Evaluated cumulative effects for 2 proposed pipeline projects in foothills of west-central Alberta.
- Reviewed aquatic CEA prepared for proposed Cheviot Mine and participated in public hearing on behalf of Trout Unlimited Canada.
- Prepared AEP and EUB applications for Teepee Creek gas plant expansion project and directed public consultation program.
- Prepared aquatic and air components of the EIA for *in-situ* oil sands development in the Wabasca area of northern Alberta.
- Prepared aquatic and air components of the EIA for mineable and *in-situ* oil sands development in the Fort McMurray area of northeast Alberta.
- Prepared aquatic and air components of environmental overviews for gas field development in the foothills of west-central Alberta.

British Columbia

- Conducted CEA of existing and future natural gas development in a 20,000 km² boreal forest region of northeast British Columbia.
- Conducted CEA in a 5,000 km² region of foothills and boreal forest in northeast British Columbia.
- Conducted CEA for proposed 500 km pipeline in north central BC under the British Columbia Environmental Assessment Process (BCEAP) and CEAA.
- Worked with Oil and Gas Commission to develop traditional use indicators for cumulative impact management.

- Prepared Case Studies evaluating cumulative effects of development in the Blueberry and Sukunka areas for the Oil and Gas Commission Science and Community Environmental Knowledge Fund and Muskwa-Kechika Advisory Board.
- Lead consultant and project manager for environmental, socio-economic, and heritage resources assessment of proposed gas plant and 160-km long pipeline under the BCEAP.
- Lead consultant and project manager for environmental, socio-economic, and heritage resources assessment of proposed liquids facility under the BCEAP.
- Lead consultant and project manager for environmental, socio-economic, and heritage resources assessment of proposed sour gas plant and gas gathering pipeline under the BCEAP.
- Conducted wildlife assessment for proposed sour gas plant and gas gathering pipeline under the BCEAP.

Saskatchewan

- Prepared CEA for the Great Sand Hills area.

VOLUNTEER/GOVERNANCE

- Legacy Land Trust Society, Director, 2017-present
- Riverwatch Institute of Alberta, Director and Treasurer, 2009-2017
- Alberta Society of Professional Biologists, Director, 1998-2000
- Trout Unlimited Canada National Board, Director, 1994-1997
- Foothills Outdoor Recreation Club, President, 1984-1988



PROFESSIONAL DEVELOPMENT

- Invited Speaker – Cumulative Effects Assessment and Management: Concepts and Methods for Alberta Energy Regulator Commissioners, December 2015
- Presentation lead author - North American Caribou Conference, Whitehorse, May 2014
- Cumulative Effects Management Conference, Smithers, April 2014
- Invited Speaker - Cumulative Effects Management Conference, Smithers, November 2012
- Speaker - North American Caribou Conference, Fort St. John, September 2012
- Invited Speaker, Cumulative Effects Management Frameworks for Offshore Beaufort Sea Development, Indian and Northern Affairs Canada, January 2012
- Presentation co-author, North American Caribou Conference, Winnipeg, October 2012
- Invited Speaker, Cumulative Effects Management Frameworks, Alberta Environment, September 2010
- Society for Conservation Biology International Conference, Edmonton, July 2010
- Invited Speaker, Cumulative Effects Assessment Issues, Canadian Environmental Assessment Agency, Vancouver, November 2009
- Speaker, 9th International Environmental Concerns in Rights-of-Way Management Symposium, Portland, Oregon, September 2009
- Invited Speaker, International Association of Impact Assessment Cumulative Effects Conference, Calgary, Alberta, November 2008
- Invited Participant, Canadian Water Network Cumulative Effects Management Workshop, Saskatoon, October 2008
- Speaker, Sahtu Land Use Planning Board Targets Workshop, Yellowknife, November 2007
- Speaker, Dehcho Boreal Caribou ALCES Pilot Project, Hay River, NWT, March 2007
- Invited Speaker, Wildlife Society Alberta Chapter Conference, Canmore, Alberta, March 2007
- 11th North American Caribou Conference, Jasper, Alberta, April 2006
- Speaker, Applying ALCES in the Greater Yellowhead Ecosystem, Jasper, Alberta, April 2006
- Invited Speaker, Cumulative Effects Management Workshop, Goose Bay, Labrador, March 2006
- Wildlife and Environmental Impact Assessment Conference, Yellowknife, NWT, March 2006
- Invited Speaker, NWT Thresholds Workshop, Yellowknife, NWT, March 2006
- Invited Speaker, ESRF Northern Advisory Group Workshop, June 2005
- Speaker, Science in the Changing North Conference, Yellowknife, NWT, March 2005
- Invited Speaker, CAPP Environmental Issues Seminar, Calgary, Alberta, January 2005
- Wildlife Radiotelemetry and Resource Selection Design and Analysis Workshop, University of Idaho, March 2004
- 15th International Conference on Bear Research and Management, San Diego, California, February 2004
- Invited Speaker: 7th Prairie Conservation and Endangered Species Conference, Calgary, Alberta, February 2004
- Invited Speaker, DIAND Integrating Land Use Planning and Cumulative Effects Workshop, Whitehorse, Yukon, March 2003
- Invited Speaker, ASPB Access Management Conference, Calgary, Alberta, March 2003
- Speaker, ASPB Cumulative Environmental Effects Management Conference, Calgary, Alberta, November 2000

