

CONFERENCE HANDBOOK



**October 4-7, 2011
Fort William Historical Park
Thunder Bay, Ontario**

.....
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NOFNEC Planning Committee**

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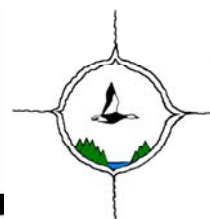
Addressing Aquatic & Terrestrial Environmental Concerns

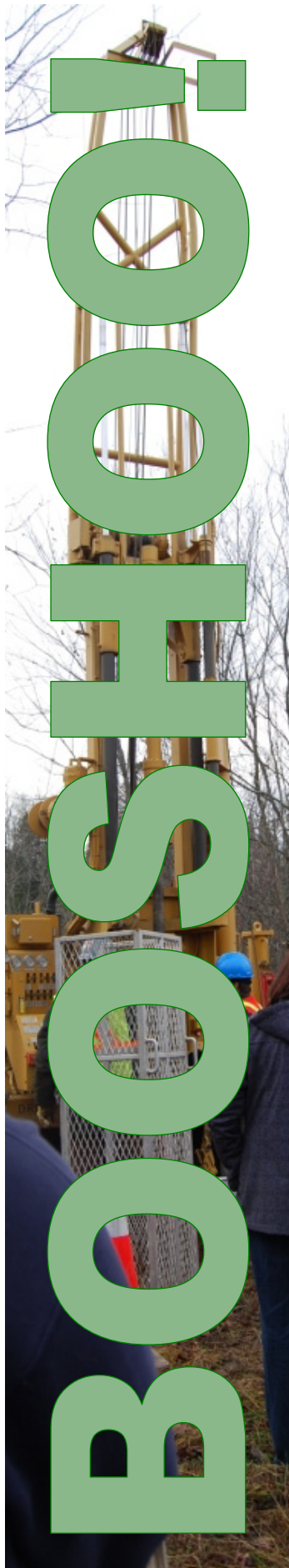


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WELCOME! BOOSHOO! WACHIYA!....

We are pleased to welcome you to the 2011 Northern Ontario First Nations Environment Conference! Last year, Matawa First Nations Management hosted a similar event and in hopes to reach a greater audience this year, several Tribal Councils have worked together to bring you the 2011 conference. Over the next three days you will have the opportunity to participate in presentations, workshops and a tradeshow relating to a variety of environmental topics.

Your attendance at the conference leads us to believe that like us, you feel strongly about the need to protect our environment today and for the future. We hope that by bringing together delegates from the Northern Ontario First Nations, Tribal Councils, Government, Academia, and Environmental Professionals, we will all have the opportunity to learn, share, network and dialogue on the important environmental issues First Nations communities face.

We hope that this conference will provide you with valuable information, tools and resources that will help you to build environmental capacity and make positive changes to benefit your home community and the environment.

We look forward to welcoming colleagues and building new relationships and we encourage you to introduce yourselves to us while you are here. Enjoy!

The NOFNEC Planning Committee



NOFNEC Planning Committee:

Deneen Brigham, Ontario First Nations Technical Services Corporation
Lindsey Jupp, Matawa First Nations Management
Sarah Minnery, Mushkegowuk Environmental Research Centre
Natalie Popovic, Windigo Technical Unit
Michael Ritchie, Four Rivers Matawa Environmental Services Group
Laura Sayers, Shibogama Technical Services

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PRESENTATIONS

TUESDAY

(9:00am – 11:00am)

Fairness, openness, and the freedom to choose: How two Toolkits can help change the game

The Gordon Foundation, a private charitable organization created by a Toronto-based family, was asked by northern Indigenous leaders to create a resource, with their participation, that could help communities establish a more equal footing with mining companies. James Stauch, Vice-President of Programs and Operations, will talk about the origins of why the Foundation came to create the first and only major tool to help communities negotiate fairer, lasting *Impacts and Benefits Agreements* with companies, and how they came to partner with the Chiefs of Ontario, who have created a powerful complementary resource, an *Environmental Assessment Toolkit for First Nations*, to deliver joint training. Both Toolkits will be workshoped over the next three days.

James Stauch, Walter & Duncan Gordon Foundation.

James is Vice President, Programs and Operations, at the Walter and Duncan Gordon Foundation, where he also manages its public policy programming related to the Arctic and far north. Prior to joining the Gordon Foundation as a Program Manager, James managed the Community Grants Program at The Calgary Foundation and previously worked in the field of community and regional planning in the private and non-profit sectors. James is past Chair of the Canadian Environmental Grantmakers Network Board of Directors, current Chair of the Circle on Philanthropy and Aboriginal Peoples in Canada, a board member of International Funders for Indigenous Peoples and is an active member of the Arctic Funders Group. Of late, he is interested in opening up new avenues for dialogue between the philanthropic sector and Canada's First Peoples, investing in transformative ideas that are at once uncertain and brimming with potential.

Video—Spills Action Centre

A short video from Spills Action Centre will show the proper procedures to reporting a spill.

AANDC Environment Unit & Land Unit Program Overviews

Aboriginal Affairs and Northern Development Canada (AANDC) will be providing an overview of the Environment Unit's key functions, programs and services and the Land Unit's key functions, requirements and services.

Kerri Hurley, AANDC

Ms. Kerri Hurley is the Sr. Environment Officer with AANDC, Ontario

Region. She is the regional lead for the Contaminated Sites Management Program and co-lead for the Fuel Storage Tank Management Program. Kerri has been working in the Environment Unit for 8 years. During the past 5 years she has been working on contaminated site assessment and remediation projects and leading the contaminated sites management program.

Kristin Kayseas, AANDC

Ms. Kristen Kayseas is the Sr. Lands and Trust Services Specialist with AANDC, Ontario Region. Kristen has been working in the AANDC Land's Unit less than 1 year. Prior to AANDC, she worked 5 years at the Service Canada (HRSDC) in the Saskatchewan Region. Kristen administers permits and leases and she is also the regional lead in the designations process.

WEDNESDAY

(9:00am - 11:00am)

Caribou Information in Support of Land Use Planning: The Far North Caribou Project

The Far North Caribou project has yielded much useful and insightful information about caribou that will support Land Use Planning in the Far North. This presentation will provide an overview to the various components of the project and the findings, including some preliminary interpretations of the results. It will also describe how this information will be shared with First Nations over the next year. Opportunities for future cooperation on caribou knowledge and conservation will be described.

Gerry Racey, Ministry of Natural Resources

Gerry Racey is a Senior Science Specialist with Northwest Science and Information in Thunder Bay. He is an ecologist that has spent the majority of his career addressing issues in forest ecology, wildlife habitat and forest management as well as supporting Land Use and Resource Management planning. He has been actively involved in Ecological Land Classification development and caribou conservation. Recently, he has been coordinating delivery of the Far North Caribou Project and caribou assessment activities associated with Ontario's Caribou Conservation Plan.

Broadscale Fish Program

Broadscale Monitoring of Ontario's fishery resources began in 2008. The goal of the program is to evaluate the state of resources across the province in a five-year period and then repeat at five year intervals. In addition to fish populations the program evaluates water chemistry, looks for invasive species and monitors contaminant levels in consumed species. This presentation will provide a quick snapshot of progress and some early observations.

Kim Armstrong, Ministry of Natural Resources

Kim Armstrong is a Senior Biologist with the Ministry of Natural Resources. He has worked province-wide on land use activities affecting aquatic and fishery resources such as forestry, urbanization, exploitation and water management. Kim was part of the design team for the Broadscale Monitoring program and is now immersed in the implementation of the program and analysis of the data.

Fresh Food to 12 First Nations (NAN, Wasaya, Quality Market)

Joseph LeBlanc will be sharing information on a number of diverse food initiatives taking place in NAN communities. Over the past 5 years, he has worked with a number of First Nations throughout Northern Ontario on projects dealing with a broad range of food issues, including forest food contamination, community and forest gardening, non-timber forest product development and marketing, community and economic development, and forest food system mapping.

Joseph LeBlanc, Nishnawbe Aski Nation

Joseph LeBlanc holds an Honours Bachelor of Environmental Studies in Forest Conservation and is currently a PhD Candidate in Forest Sciences at Lakehead University, conducting community-based research pertaining to Aboriginal perspectives of food security and natural resource management. Joseph is currently employed as a Community Project Co-ordinator with Nishnawbe Aski Nation, where he co-ordinates the development and implementation of community-based food initiatives in NAN territory. He is also a founding board member and chair of True North Community Co-operative.

Aboriginal Rights & Mining

Ramsey Hart will discuss recent developments in Aboriginal rights related to mineral exploration and mining. In particular he will address the Keewatin Case, historic treaty research, the UN DRIP, and the changes to Ontario's Mining Act.

Ramsey Hart, MiningWatch

Ramsey Hart joined MiningWatch Canada in 2008 as the Canada Program Coordinator. He has worked on a variety of environmental issues over his career including wildlife research, parks management, sustainable forestry, landscape connectivity and of course mining. He has worked on environmental and social justice issues with First Nations across Canada and in Central and South America. Ramsey obtained his bachelors in Environmental Studies from the University of Waterloo, and a MSc in Watershed Ecosystems from Trent University.

Far North Land Use Planning Initiative

Together, First Nations and Ontario are developing Community Based Land Use Plans, guiding a future that includes traditional use, protection and environmentally sustainable economic development opportunities. In 2010, the Far North Act was passed, providing a legislative foundation for First Nations and Ontario to work together to complete plans, including a requirement for First Nation approval of those plans. Several First Nations have completed plans, each of which illustrates the

community based approach and outcomes, including commitment to an ongoing working relationship to implement plans. A strong base of information and knowledge management is essential to support planning.

Jill Entwistle, Ministry of Natural Resources

Jill Entwistle has been employed by the MNR for close to twenty-five years in a variety of resource management and land use planning positions. Since 2000, Jill's work has focused on the development and implementation of the Community-based Land Use Planning approach in Ontario, initially with the Northern Boreal Initiative and more recently with Ontario's Far North Land Use Planning Initiative. As a senior planner, Jill has responsibilities to provide support and guidance to First Nation-Ontario planning teams, including bringing forward provincial interests. Currently, Jill is actively engaged with several community-based planning initiatives in the Far North. In the recent past, Jill has participated as a planning team member with Pikangikum's Whitefeather Forest, Cat Lake-Slate Falls, Pauingassi, Little Grand Rapids and Eabametoong-Mishkeegogamang. Jill Entwistle holds an Honours B.Sc. degree from the University of Waterloo, Ontario. Jill is located at the Ministry of Natural Resources regional office in Thunder Bay, Ontario.

Mining Act Update

Ministry of Northern Development, Mines & Forestry (MNDMF) will present an overview of recent changes to Ontario's Mining Act including an update on regulatory development

Robert Merwin, MNDMF

Robert Merwin, is currently Director, Mining Act Secretariat with the MNDMF. He and his staff are responsible for coordinating the development of the regulations, policies and services related to implementing Ontario's new Mining Act. Prior to this assignment, he was Executive Director of the Diamond Sector Unit with MNDMF

Mike Grant, MNDMF

Mike Grant is with the MNDMF. He is the Mineral Development Coordinator for NW Ontario, which means he is responsible for administering Part VII of the Mining Act in the area; and is the current lead for the One Window Co-ordination Process for the McFaulds Lake area projects. He joined the Mineral Development office in Thunder Bay in 1998. He has experience in geological mapping, mineral exploration and geoscience publishing.

Source Water Protection in First Nations

Dan Walters will be presenting on Ontario's source water protection program and implications for First Nations. He will also discuss an ongoing source water protection plan being developed in partnership with the Dokis First Nation.

Dan Walters, Nipissing University

Dan Walters is a faculty member in the department of geography at Nipissing University, and a member of technical advisory committee for the North Bay-Mattawa Source Water Protection Region. His research examines First Nations drinking water risks and the underlying determinants of safe water. He is currently working with the Dokis First Nation to develop a source water protection plan.

WORKSHOPS

TUESDAY & THURSDAY

Workshops will be repeated Tuesday & Thursday from 12:15 - 4:15pm

Spill Response & Fuel Product Transfer Areas

OFNTSC Circuit Rider Fuel Trainer and Environment Canada will team up on this workshop.

Doug Stuart, OFNTSC CRTP presentation will involve hands-on activities around a mobile aboveground storage tank and equipment, presentations on petroleum mechanics, discussions on upgrading heating tanks, and demonstrations on responding to fuel spills. It will include a classroom component on fuel handling procedures, maintenance, legislation, safety, and tank inspections. Field Training will include an overview of Record Keeping, Proper Dipping procedures and the use of water finding paste, Bonding and grounding procedures when dispensing fuel, spill response and prevention, spill kit inspection & use, visual inspection of bulk fuel sites, visual inspection of home heating tanks, visual inspection of fire extinguishers, and overview of health and safety issues.

Environment Canada's Program employees will present on the *Storage Tank Systems for Petroleum and Allied Petroleum Products Regulations*, with a focus on Product Transfer Area (Section 15). The reason the product transfer area is so important is that research shows that the majority of spills that reach the environment occur when a storage tank is being filled. The workshop will provide the owners and operators of storage tanks with a better understanding of their responsibility, tools that can be used to prevent spills during fuel transfer and what to expect from an enforcement officer during an inspection.

Doug Stuart, Ontario First Nations Technical Services Corporation

Doug joined OFNTSC in 2004 after a 25 year career at the MNR, with the last five years as their Fire Services Equipment Officer with his primary responsibilities in the Aviation bulk fuel section. Doug holds is PMH and PM3 certificates and is recognized in good standing with the Technical Standards and Safety Authority of Ontario (TSSA). Doug is responsible for all Bulk Fuel Handlers training for OFNTSC and has made a significant impact on the Circuit Rider Training Program especially in the remote communities. Doug has put on numerous Fuel system Management training sessions and has been involved in assisting communities with all their fuel storage issues. Doug is also certified as a WHIMIS and Transportation of Dangerous Goods Trainer. He is fully

knowledgeable on the Liquid Fuel Handling Code as well as all Federal Environmental Regulations pertaining to the storage and use of Liquid Fuels



Aaron Dornan, Environment Canada

Albert Potvin, Environment Canada

Mr. Albert Potvin is the Manager of the Federal House at Environment Canada. His core responsibility is to coordinate the implementation of the *Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations*. Since 1990, he also worked for Natural Resources Canada and the Royal Canadian Mounted Police where he managed storage tanks, hazardous wastes and contaminated sites, among others. Mr. Potvin has a Masters in Environment from Sherbrooke University

Solid & Hazardous Waste Management

This workshop will be a two-part interactive session focusing on participants gaining practical, working knowledge of waste management practices using First Nation community examples and local, physical site tours.

Part I will consist of a graphical presentation showing participants the typical legislative requirements for landfills and waste management systems in Northern Ontario. Landfill design, operations, maintenance, closure and environmental monitoring will be reviewed at a high level. The presentation will provide numerous, actual, case study examples (with many photo images) of remote community sites where challenges and problems are illustrated relative to waste management planning and landfill operation/maintenance issues. Part II of the workshop will consist of an interactive tour of two local landfills designed by True Grit Consulting that rep-

WORKSHOPS

TUESDAY & THURSDAY

resent regulated facilities. The tour will provide opportunity for questions and discussion on practical aspects of managing northern landfill sites including operations/maintenance tasks, progressive site closure, recycling and hazardous waste management and costs.

Special clothing or Personal Protective Equipment (i.e. hard hats, steel toe boots are NOT required for the tour). Tours will occur rain or shine, however participants can remain on the bus if required.



Eric Zakrewski, True Grit Consulting Ltd.

Eric Zakrewski is the President and principal shareholder of True Grit Consulting Limited, a progressive regional leader in serving First Nation communities in all aspects of environmental and engineering services including waste management, mining Environmental Assessment (EA's), contaminated sites assessment and remediation, mould/ indoor air quality and industrial hygiene, road/sewer/water design and construction management. Mr. Zakrewski has 17 years of experience permitting hazardous waste, liquid industrial waste, natural attenuation and engineered landfill facilities in northern Ontario for First Nations, municipalities and industry. He has managed hundreds of hydrogeological assessments for landfills and assisted proponents with permitting, approvals and EA's for new, expanding and existing waste management sites across Ontario and western Canada.

Blending Technology & Science with Traditional Ecological Knowledge Collection

Four Rivers Environmental Services is a new environmental division within Matawa First Nations Management, dedicated to providing information and resources to help Ma-

tawa First Nations make informed decisions about the management of their natural resources. Four Rivers' GIS Data Specialist will be participating at NOFNEC providing a workshop on Day 1 and Day 3. This workshop will be introducing the Four Rivers GIS Program which is aimed in assisting First Nation communities in mapping their traditional lands to support land use planning, and other community initiatives. During this workshop participants are going to be exposed to up-to-date technology used in Traditional Ecological Knowledge collection, mapping, and cartography.

Kyle MacLaurin, Matawa Four Rivers

Kyle brings an 18 year background in operational forestry and forest research. Kyle has worked closely with First Nations, Government and Industry and brings knowledge in many areas of Natural Resources as well an expertise in Geographical Information Systems. Kyle graduated from Confederation College of Applied Art and Technology in 2006 with a two year Forestry Technician Diploma. After graduation he worked as a forest inventory specialist, data collection specialist, and GIS instructor for First Nation training. Kyle has also worked on various projects such as a data collection tech relating to forest management and land use planning.

Community Based Freshwater Monitoring through Benthic Invertebrate (Waterbug) Collection

Four Rivers' Fish Biologist will be participating at NOFNEC providing a workshop on Day 1 and Day 3. This workshop is an introduction to the Ontario Benthic Bio-monitoring Network which focuses on the study of bottom feeding insects. The network studies benthic invertebrates, allowing for the quantitative analysis and comparison between sample locations. With this introduction it will allow participants to understand why a program can be useful for gathering information to use for their own comparisons against developing industries, chemical spills, or for remediation.

Michael Ritchie, Matawa Four Rivers

Michael graduated from Lakehead University with a Bachelors of Science in Water Resource Science in May of 2009. During his University career he took part in a summer student position with the Water Environmental Protection Program with the City of Ottawa as a Fisheries Technician. Prior to accepting the Fisheries Biologist position with Matawa First Nations Management, Mr. Ritchie worked with the city of Thunder Bay's EarthWise Group on water, and was an invited guest to

(Continued on page 10)



	Monday Oct. 3	Tuesday October 4							Wednesday October 5				
7:45am - 8:30am	Travel	Registration at FWHP 8am - 10am	Shuttle to FWHP (departure from Victoria Inn @ 7:45am & 8:15am) Continental Breakfast (at FWHP) <i>McGillivray's Landing</i>							Shuttle to FWHP (departure from Victoria Inn @ 7:45am & 8:15am) Continental Breakfast (at FWHP) <i>McGillivray's Landing</i>			
8:30am - 11:00am			Visitors Centre	Opening Ceremonies & Drum Presentations <i>McGillivray's Landing</i>							Opening Ceremonies & Drum Presentations <i>McGillivray's Landing</i>		
11:00am - 12:00pm		Early Lunch (<i>McGillivray's Landing</i>)							Early Lunch (<i>McGillivray's Landing</i>)				
12:00pm - 12:15pm		Travel to Workshop Rooms							Travel to Workshop Rooms				
12:15pm - 2:00pm		Spill Response & Fuel Product Transfer Area OFNTSC & Environment Canada <i>Hay Barn (Staff House)</i>	Solid & Hazardous Waste Management True Grit Consulting Ltd. <i>Bell House</i>	TEK Collection Matawa Four Rivers <i>Canot du Nord</i>	Water Monitoring through Waterbug Collection Matawa Four Rivers <i>East House</i>	Mining Life Cycle: Environment & Approval Processes AECOM <i>Great Hall</i>	Community Based Environmental Monitoring MERCs <i>Cantine</i>	EA & IBA Toolkit Chiefs of Ontario <i>McGillivray's Landing</i>	Indoor Air Quality True Grit Consulting Ltd. <i>Bell House</i>	Community Based Source Water Protection Planning Lakehead University <i>Canot Du Nord</i>	Energy Conservation & Efficiency Hydro One Remotes <i>Council House</i>	Renewable Energy Enermodal Engineering Inc. <i>Great Hall</i>	
2:00pm - 2:30pm	Health Break & Snack (<i>Provision Store</i>)							Health Break & Snack (<i>Provision Store</i>)					
2:30pm - 4:15pm	Registration @ Victoria Inn 4pm - 8pm (C Ballroom)	workshop continued	workshop continued with off-site field trip	workshop continued	workshop continued	workshop continued	workshop continued	workshop continued	Community Based Source Water Protection Planning Lakehead University <i>Canot Du Nord</i>	Indoor Air Quality True Grit Consulting Ltd. <i>Bell House</i>	Renewable Energy Enermodal Engineering Inc. <i>Great Hall</i>	Energy Conservation & Efficiency Hydro One Remotes <i>Council House</i>	
4:15pm - 4:30pm		Closing Comments (<i>Canoe Yard</i>)							Closing Comments (<i>Canoe Yard</i>)				
		Feast (4:30pm-6:30pm) <i>McGillivray's Landing</i>							Shuttle to Vic Inn (departure 6:30 pm & 7:00pm from North Gate)				
		Shuttle to Vic Inn (departure 6:30 pm & 7:00pm from North Gate)							Meal Time				

Note: On Friday October 7th, the Ontario Mining Action Network—Talking Circle will be hosting a full day event at the Victoria Inn. This event's descriptions are as follows: For the past 6 years, MiningWatch Canada has facilitated the Ontario Mining Action Network - a loose coalition of First Nations, Métis, and Inuit organizations. The network provides an important opportunity for building bridges between the participants and has had concrete results such as the development of the MiningWatch Code of Conduct. From MiningWatch's perspective, participants will share an open discussion in the form of a talking circle. The discussion will help inform MiningWatch's future work.

NDA

Wednesday October 5					Thursday October 6							Friday Oct. 7	
Departure from Victoria Inn @ 7:45am & 8:15am)					Shuttle to FWHP (departure from Victoria Inn @ 7:45am & 8:15am)							Breakfast (at session)	
Continental Breakfast (at FWHP) McGillivray's Landing					Continental Breakfast (at FWHP) McGillivray's Landing								
Opening Comments Presentations McGillivray's Landing					Tradeshow McGillivray's Landing							8:30am - 12:30pm MNR CBLUP/IKM	
Lunch (McGillivray's Landing)					Early Lunch (McGillivray's Landing)								
Travel to Workshop Rooms					Travel to Workshop Rooms							Ontario Room, Victoria Inn	
Renewable Energy	Mining Capacity Building & Community Protection	Community Gardens: Case Studies	Making Dirty Water Clean	COO Workshop Continued	Spill Response & Fuel Product Transfer Area	Solid & Hazardous Waste Management	TEK Collection	Water Monitoring through Waterbug Collection	Mining Life Cycle: Environment & Approval Processes	Community Based Environmental Monitoring	COO Workshop Continued		
Environmental Engineering Inc.	Bio Consulting	Lakehead University / University of Ottawa	OFNTSC CRTP	McGillivray's Landing	OFNTSC & Environment Canada	True Grit Consulting Ltd.	Matawa Four Rivers	Matawa Four Rivers	AECOM	MERCS	McGillivray's Landing		
at Hall	Cantine	East House	Hay Barn (Staff House)		Hay Barn (Staff House)	Bell House	Canot du Nord	East House	Great Hall	Cantine			
Lunch & Snack (Provision Store)					Health Break & Snack (Provision Store)							Travel	
Energy Conservation Efficiency	Making Dirty Water Clean	Mining Capacity Building & Community Protection	Community Gardens: Case Studies	workshop continued	workshop continued	workshop continued with off-site field trip	workshop continued	workshop continued	workshop continued	workshop continued	workshop continued		
Pro One Promotes	OFNTSC CRTP	Bio Consulting	Lakehead University / University of Ottawa										
at House	Hay Barn (Staff House)	Cantine	East House										
Closing Comments (Canoe Yard)					Closing Prayer & Drum (Canoe Yard)								
Departure 4:30pm & 5:00pm from North Gate)					Shuttle to Vic Inn (departure 4:30pm & 5:00pm from North Gate)								
Meal Tickets @ Chicago Joe's					Meal Tickets @ Chicago Joe's								

ent is separate from the conference and meals will not be provided through NOFNEC; however, it may be of interest to delegates. The de-
 first Nations, environmental groups, community groups and individuals that are concerned with mining practices and policies in Ontario.
 elopment of shared proposals for changes to the Ontario Mining Act. Following a brief introduction about the state of play of the sector
 iningWatch's work including our facilitation of OMAN in the coming year.



WORKSHOPS

TUESDAY & THURSDAY

the closed door communications with the Lake Superior Binational Forum.

The Mining Life Cycle: Environmental Considerations & Approval Processes

Participants will learn about the life cycle of a mine, from exploration through to closure and “post-closure” together with the environmental considerations and government approvals associated with each part of the life cycle. Participants will have the opportunity to discuss their experiences with environmental aspects of mines at each part of the life cycle and their experiences with related approval processes.

Cam Baker, M.Sc. AECOM

Cam Baker is a senior geologist with a wide ranging background in the mineral exploration and environmental sectors. He has directed numerous projects in the fields of mineral exploration and development, terrain evaluations, environmental impacts and groundwater investigations. Mr. Baker has an extensive professional history of developing and implementing innovative geosciences project plans addressing the needs of industry, governments, Aboriginal communities and public agency clients. He is experienced at leading multi-disciplinary earth science teams investigating the natural and human impacted environment. He has worked directly with several First Nations communities and is familiar with the issues that affect successful project development and delivery.

Scott Mackay, M.Sc., AECOM

Scott Mackay is an environmental planner, social researcher, and specialist in community and Aboriginal engagement on environmental and land-use matters. With over 10 years experience in these fields, he has worked for the private sector, Aboriginal communities, federal and provincial governments, municipalities, and non-government organizations. Most recently he has been involved in program development of a province-wide Aboriginal Community Energy Planning program for the Ontario Power Authority, detailed reviews on behalf of an Aboriginal client for the environmental approvals and permits for a major Ontario gold mine, and assisting private sector proponents in the waste management, manufacturing, aggregates, and energy sectors with the consultation and community engagement aspects of environmental assessment and site remediation processes. Scott is a provisional member of the Ontario Professional Planners Institute and a member of the Canadian Water Resources Association and the International Association for Public Participation.

Community Based Environmental Monitoring

Mushkegowuk Environmental Research Centre (MERC) is a nonprofit organization whose board is composed of representatives from the Mushkegowuk Council First Nations. MERC will be presenting on their experiences working with Mushkegowuk First Nations on Community Based Environmental Monitoring and permit application reviews as a result of the Victor Diamond Mine and as part of the Aquatics Inland Habitat Program (DFO). The Mushkegowuk Environmental Research Centre workshop will highlight two of their in-house programs. The first half of the workshop will focus on First Nation participation in the environmental permitting process (who, when, what and how) for mines and the level of involvement that is required by a First Nation to review applications for environmental permits by mining companies. The second half of the workshop will focus on what is ‘Community Based Monitoring’, why this type of monitoring is important and the need for watershed and regional frameworks for helping communities create their community based monitoring program.

Sarah Minnery, MERC

Sarah Minnery has been with the Mushkegowuk Environmental Research Centre (MERC) for two years. Project involvement has focused on providing a technical advisory service to the Attawapiskat First Nation on environmental permitting applications and permit review processes. Ms Minnery has an Honors Biology degree and eight plus years working in the environmental sciences including four focus years of water chemistry and analytical laboratory work. Current project highlights include developing a regional environmental assessment program.

Alexandre Litvinov, PhD, MERC

Dr. Litvinov, Aquatic Biologist, graduated from State Research Institute of Fisheries in St. Petersburg, Russia. He has international experience in fisheries from Russia, United States and Canada. As the Aquatic Biologist, Dr. Litvinov provides a lead role in the impacts of current and future water development, assessing fish habitat, statistical and spatial analysis of data. He has been developing the Aboriginal Inland Habitat Program; which includes community-based monitoring, with Muskegowuk First Nations since 2008.



WORKSHOPS

WEDNESDAY

Workshops will be repeated Wednesday 12:15 - 2:00pm & 2:30 - 4:15pm

Indoor Air Quality

Indoor air quality concerns arise in homes, schools and offices. What do we mean by air quality and how should we respond to indoor air quality complaints? The workshop will present basic information on air quality issues such as air contaminant sources and control technology, provide updates on assessment methods and introduce tools to help you deal with air quality complaints. The session leader invites you to ask questions about your “favourite” air contaminant.

Ina Chomyshyn, CIH, ROH, True Grit Consulting Ltd.

Ina Chomyshyn, the only Certified Industrial Hygienist in Thunder Bay, has more than 30 years professional experience dealing with chemical and biological hazards in workplaces and residential buildings. Ina has been a hazard communication resource for every type of workplace in the region and has participated in community initiatives that promote health and safety. Ina uses her science background, technical skills and practical experience to assess indoor air quality problems including mould and protects building occupants from potentially harmful exposures.

Community Based Source Water Protection Planning

The workshop will explore the basic fundamentals to source water protection planning in northern communities, and uses a hands-on GPS session to demonstrate a simple method for inventorying potential threats to drinking water.

Dr. Robert Stewart, Lakehead University

Dr. Robert Stewart is a faculty member in the Department of Geography at Lakehead University and completed his graduate work at the University of Auckland, New Zealand, and the Natural Resources Institute at the University of Manitoba. Dr. Stewart is interested in research that explores water security issues in the Lake Superior Basin. He is particularly interested in the development of community-based natural resource management strategies that protect source water and enhance local adaptation to environmental change.

Energy Conservation & Efficiency

Hydro One Remote Communities Inc. is a subsidiary of Hydro

One. They distribute electrical power to 14 First Nations in Ontario using diesel generation which has some disadvantages. With the rising cost of fuel and potential environmental impacts of this type of generation Energy Conservation and Efficiency has never been so important. Join Lori Rice as she discusses the difference between Conservation and Efficiency and learn how you or your community can save energy and money.



Lori Rice, Hydro One Remotes

Lori Rice joined the Hydro One Remote Communities Inc. team as their Conservation & Renewable Energy Officer (CaRE) in November 2010. Lori brings with her over 20 years experience working with First Nation communities in all areas of housing, including energy efficiency and conservation programs. Lori's work with three Tribal Councils, the Grand Council Treaty #3 as well as the Canada Mortgage and Housing Corporation gives her a wide range of knowledge in building and infrastructure technology, program design, delivery and communications. Ms. Rice hopes that her current role will assist remote First Nations in the ability to make sense of and embrace the importance of Energy Conservation and Efficiency.

Renewable Energy

Enermodal's Renewable Energy workshop will focus on providing an economic and technical review of the various renewable energy technologies, namely: wind power, hydro-electricity, solar hot water, solar air heating, solar photovoltaic electricity, geothermal energy. We will review each technology with a focus on:

- General technology description
- Project economics
- Long term maintenance issues & reliability, with a focus on off-grid power communities
- Limitations & 'implementability'

WORKSHOPS

WEDNESDAY

We will review government support for the various technologies with a focus on the Ontario Government's Green Energy Act & Feed In Tariff program, the Northern Ontario Heritage Fund, other related programs. Finally we will present a short case study relating to a proposed solar PV retrofit planned for the Wawakapewin First Nation, coupled to a generator upgrade project.

Ian Sinclair P.Eng, Enermodal Engineering Inc.

Ian Sinclair, P.Eng. is the manager of existing building services for Enermodal Engineering, a consulting engineering company with a primary goal of sustainability in the built environment. Following graduation in mechanical engineering in the United Kingdom, Ian worked in the international development field, spending two years in Kenya, with subsequent experience in mining in outback Australia. Since immigrating to Canada, Ian has worked in the existing buildings field – initially with a focus on energy efficiency upgrades to a range of residential, commercial and institutional buildings, before focusing on the renewable energy sector.

Mining Capacity Building & Community Protection

In association with the Musselwhite Mine and Windigo First Nations, Gord Persson from Bio-Consulting will be conducting workshops on October 5th. Gord will be speaking to the following:

- Musselwhite Development Agreement
- Engagement and negotiation processes
- Environmental standards
- Sustainability
- Partnership opportunities
- Economic benefits
- Long term planning

First Nations participants who attend this workshop will develop knowledge and skills associated with new resource developments impacting their lands and communities. One such example is the Ring of Fire which is a major concern among many First Nations because there are no mechanisms within the system to aid in managing negotiations, environmental enforcement, economic prosperity, and long term sustainability.

Gord Persson, Bio Consulting

Bio Consulting is a small environmental consulting business, active in Northwestern Ontario for 30 years. Bio Consulting



has worked for governments, industry, First Nations, developers and planners. The services provided cover a broad range of environmental concerns including water quantity and quality, fisheries science, works in waters, transportation and the environment, power development, mining, exploration, development operations and closures, recreational and residential land development, environmental impact statement, environmental assessments, regulatory licensing and permitting etc. Gord Persson actively works with Windigo and Shibogama First Nations, and Goldcorp, on the Musselwhite Mine Agreement.

Community Gardens

Case Study I: Food Security Research Network/ Lakehead University / K.I.

FSRN will present in partnership with Kitchenuhmaykoosib Inninuwug First Nation on our two year project titled KI Traditional Garden/Farm Program. Our shared initiative seeks to reclaim local food systems, revitalize traditions associated with agriculture and develop new food and agriculture enterprises. We will share our experiences from our first gardening season. We will prepare a short video on our experiences valued, a PowerPoint Presentation, and assist with the facilitation of a sharing circle on Food Sovereignty Assessment on First Nations.

Dr. Connie Nelson, Food Security Research Network

Dr. Connie Nelson has provided extensive leadership and support in the development of strong and long-standing network of relationships with northern aboriginal communities in areas of social capital, food security and community well-being. She is also co-founder of the Lakehead University Centre for Analytic Services which includes environmental analytic services for communities and industry in Northwestern Ontario. In 2010 Dr. Nelson was awarded the Building Research Capacity Award for Lakehead University for her collegial approach to building research capacity. Her achievements have been summarized by peers as follows: Through her extraordinary



WORKSHOPS

WEDNESDAY

energy, passion and vision, Dr. Nelson has rallied researchers and partners from many diverse sectors to come together in a network capacity that gains strength in its connectedness and its clear aim to foster resilience and security in the regional food system.

Joel Symonds, MScF, FSRN

Joel has both an Honours Bachelor of Science and Master of Science degree in Forestry from Lakehead University. For the last 11 years, Joel has worked as the Laboratory Manager for the Lakehead University Forest Resources and Soil Testing (FoReST) Laboratory. He completed his Organic Crop Inspector training at Assiniboine College in Brandon, Manitoba in the spring of 2010. He has recently worked with the Minnesota Crop Improvement Association to assist in small scale organic farm inspections in central Minnesota. He has also taught an organic agriculture course at Lakehead University and organized a local workshop entitled "Transitioning Your Farm to Organic" aimed at helping farmers successfully transition their operation to certified organic production. In the spring of 2011, Joel was contracted out by the Food Security Research Network to act as the Project Coordinator for the Big Trout Lake (Kitchenuhmaykoosib Inninuwug) Garden Project.

Case Study II: University of Ottawa & Wapekeka / Wawakapewin / Kasabonika

In this workshop, we will be discussing the stages of community garden development project in the Wawakapewin, Wapekeka and Kasabonika Lake First Nations. The core objective of the project is to improve health in remote northern communities by contributing to improved food security. Key strategies include: increasing local capacity to procure, process and equitably distribute country foods (game and fish); and, supporting the development and implementation of new skills, knowledge and interest in vegetable gardening. For effectiveness and sustainability, the project is structured around intergenerational sharing of traditional and new knowledge, with Elders as the foundation of the knowledge sharing process. Presenters will include: Michael Robidoux (University of Ottawa); Craig Larsen (Chronic Disease Prevention Alliance of Canada); Arlene Meekis (Wawakapewin); Chris Anderson (Wapekeka); and Cathy Pemmican (Kasabonika).

Michael Robidoux, PhD, University of Ottawa

Dr. Robidoux is an Associate Professor at the University of Ottawa who works with a multidisciplinary team of researchers focusing on local dietary and physical practices in remote

First Nations communities in northern Canada and other international settings. Increasingly local land based (traditional) dietary strategies are being influenced by global forces, resulting in more western based, pre-packaged, store bought diets. The common goal of our research is to understand how local dietary strategies may contribute to improved health and how local diets can thrive within this global environment.

Craig Larson, Executive Director of the Chronic Disease Prevention Alliance of Canada

Craig Larsen is the Executive Director of the Chronic Disease Prevention Alliance of Canada (CDPAC). Craig has 23 years of experience in Canada's health systems, in roles spanning clinical practice, policy and research. His major current focus is on the mobilization of evidence and best practices for improved policy and community-based practices, toward a reduction of health inequities and chronic disease in Canada.

CDPAC is an alliance of nine national non-governmental organizations. Working primarily at the national level, its mission is to take an integrated, population health approach to influence policies and practices that will help prevent chronic disease. CDPAC has two core functions: advocacy; and, knowledge for action.

Making Dirty Water Clean

"Making Dirty Water Clean" workshops will be hosted by a Circuit Rider Trainer from Ontario First Nations Technical Services Corporation and will discuss the environmental aspects and risks of water and wastewater treatment.

James Haskell, OFNTSC

James Haskell is from the Red Rock First Nation in Nipigon, Ontario. He has been in water treatment for 7 yrs and providing training to water/waste water plant operators for almost 3 years. James holds a Class 3 in Water Treatment, Class 2 in Water Distribution, OIT's in Waste Water Treatment and Waste Water Collection and Water Quality Analyst.

Francis Traintinger, OFNTSC

Francis Traintinger is from the Red Rock First Nation in Nipigon, Ontario. He has been in water treatment for 4 yrs and is just starting out training water/waste water plant operators. Francis holds a Class 2 Water Treatment, Class 2 Water Distribution, OIT's in Waste Water Treatment and Waste Water Collection.

WORKSHOPS

TUESDAY, WEDNESDAY & THURSDAY

Environmental Assessment (EA) & Impact Benefit Agreement (IBA) Toolkit

The purpose of this toolkit is to assist First Nations in Ontario whose Aboriginal rights, title or treaty rights may be affected by a project undergoing an environmental assessment (EA). This Toolkit is designed primarily for First Nations leadership, employees and communities. It is meant to provide information and practical advice that will help First Nations participate effectively in EA processes. It is hoped that this toolkit training will help your First Nation develop strategies and decision-making processes that benefit your community and result in favourable outcomes from EAs.” (First Nations Environmental Assessment Toolkit for Ontario: Introduction to the Toolkit pg 12)

We are proposing to build the capacity of First Nation communities in Ontario, through workshops and network development, to ensure that greatest possible indigenous influence over environmental management of mining and related activities and to maximize the benefits they receive from agreements while ensuring that the processes used in negotiation adds to their capacity, unity, and well-being. This training aims to level the “negotiating” playing field between First Nations and communities represented by the 133 Chiefs of Ontario and Mining Resource Companies.

Using the First Nation Environmental Assessment Toolkit (developed by the Chiefs of Ontario) and the IBA Community Toolkit (commissioned by the Gordon Foundation and co-authored experts Ginger Gibson and Ciaran O’Faircheallaigh) a comprehensive, Ontario-centric, training program will emerge.

The lasting impact is that Agreements are negotiated honourably, fairly, and are sustainable, resulting in environmentally responsible economic growth in First Nations Communities in Ontario.

The workshops will provide hands-on experiential learning experiences- participants will be engaged in case study examples and toolkit materials to work through a fictional negotiation with a resource extraction company from the moment of contact with a company to the time of implementation of an agreement.



Jim Dumont, Chiefs of Ontario

Traditional Teacher, Jim Dumont is Ojibway-Anishinabe of the Waubezhayshee (Marten) Clan. Since 1970 Jim has pursued the cultural and spiritual roots of the traditional Anishinabe Way of Life. From 1974, this pursuit has involved him thoroughly in the exploration, participation and learning of the Ojibway-Anishinabe Midewiwin Tradition. Since 1975, Jim has been professor of Native Studies at the University of Sudbury of Laurentian University. He is one of the founders of the Department and serve for four years as its Chair from 1984 to 1988. In his tenure there, he has created and taught courses in Tradition and Culture, Native Psychology, Native Way of Seeing, Native Education, and Issues of Indigenous Peoples in the International Context. He retired in 2000 after 25 years of professorship in Native Studies. Jim now teaches in the Indigenous Masters Program with the Seven Generations Institute.

Debby Danard, Chiefs of Ontario

Debby Danard (Wilson), PhD candidate, is Anishinaabe-Ojibway from Rainy River First Nation. She is a community leader, academic and activist developing traditional knowledge-based methods of addressing high suicide rates among First Nations living on and off reserve in Canada. She has taught at the University of Toronto, Georgian College and is guest lecturer for the Women's Human Rights Education Institutes.

TRADESHOW

THURSDAY A.M.

**The NOFNEC Planning Committee would like to thank our Tradeshow Sponsors!
Come check out the following booths:**

Aboriginal Affairs & Northern Development Canada
ABC Embroidery
AECOM
Air Bravo Corporation
Chiefs of Ontario
DST Consulting Engineers
Edward Hoshizaki Development Consulting
Emerald Ash Borer Task Force
Environment Canada
Four Rivers / Matawa
Food Security Research Network
Green for Life Environmental Corp.
LTL Environmental
Mushkegowuk Environmental Research Centre
MiningWatch
Ministry of Natural Resources
Northern Waterworks Inc.
Ontario First Nations Technical Services Corporation
Pinchin Environmental
Sportop Marketing
True Grit Consulting Ltd
Victoria Inn

MINISTRY OF NATURAL RESOURCES PRESENTATION

FRIDAY A.M.

MNR Far North Projects & Initiatives

Presented by: [MNR Far North staff](#)

This session will focus on building an understanding of the Far North Community Based Land Use Planning approach and the Far North Act, sharing experience on the stages of planning, from early engagement and documentation of community Aboriginal Traditional Knowledge, to defining a planning area and preparing a plan. We will explore the relationship of land use planning outcomes to achieving community goals and objectives for traditional use, protection and economic development opportunities. The application of science, information and knowledge management in planning will be discussed, along with updates on information projects. The session will provide the opportunity to bring forward questions, discuss interests and challenges with the planning approach.

This session will be held at the Victoria Inn. Breakfast will be provided to delegates who attend.

ENTER TO WIN!

Fill out a ballot at each workshop and tradeshow for your chance to win. Prizes will be drawn at the end of the conference.

Prizes include:

- *One night stay for two people at the Valhalla Inn in Thunder Bay, Ontario. (3 packages to give away)*
- *One night stay for two people at the Victoria Inn in Thunder Bay, Ontario. (1 package to give away)*



Thank you to all who
participated in the
Northern Ontario First
Nations Environment
Conference!

**Special thanks to
Fort William
Historical Park
and the Victoria
Inn for their great
customer service.**



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