



WETLANDS BEST MANAGEMENT PRACTICES WORKSHOP

PRESENTED BY DUCKS UNLIMITED CANADA

JANUARY 20 TO 21, 2016

LISTER HALL, UNIVERSITY OF ALBERTA

EDMONTON, ALBERTA

WELCOME

TO DUCKS UNLIMITED CANADA'S WETLANDS BEST MANAGEMENT PRACTICES WORKSHOP!



Ducks Unlimited Canada (DUC) is pleased to be hosting this workshop at a time when wetlands are a focus of new policy initiatives and legislation in Alberta and across the country. The workshop aims to promote and share information about effective planning and operating best management practices (BMPs) for working in and around boreal wetlands. In addition we will examine user preferences to guide the creation of a boreal wetland *BMP Information Management and Exchange System* (IMES). The IMES would house and disseminate BMP information to interested parties.

Our goal here at DUC is to conserve sufficient boreal forest habitat to sustain healthy populations of waterfowl and other wildlife by supporting a balance of established protected areas and sustainable land use activities through the use of BMPs.

Working collaboratively with industry, government and academia, we identify and promote the use of BMPs; act as a neutral broker and a conduit for information exchange; and provide industry access to practices recommended by a respected conservation organization.

On behalf of the organizers and advisory committee, I hope we will all find new practices that conserve and mitigate impacts to wetlands. Please ask questions, engage and interact with others. Your ideas will help provide valuable input on the development of a BMP IMES.

Kevin Smith
National Manager Boreal Programs

OUR FACILITATOR

JULES LEBOEUF

Jules LeBoeuf is a registered forestry practitioner with the College of Alberta Professional Forest Technologists with 30 years of experience in natural resource management. A career ranging from working in the field as a forest officer to senior manager in Wildfire Management has reinforced the importance of dialogue in the building of trustworthy relationships, whether it is on the landscape or in the corporate boardroom.

Jules' insight into natural resource management and human factors has enabled him to help teams solve substantive problems more effectively through reflective dialogue practices. As a neutral third party facilitator he assists a broad range of individuals and teams based on the core principles of transparency, supporting free informed choice, internal commitment and compassion.

Jules has completed a 2-year certification practicum for facilitators and trainers in the art and science of the practice of Active Engagement hosted by "*The Centre for Contemplative Dialogue*" located in Georgetown, IN, USA. He is an active faculty member and trainer/facilitator on workshops and practicums sponsored by the Center for Contemplative Dialogue and currently working with the Government of Alberta as an Engagement Consultant.



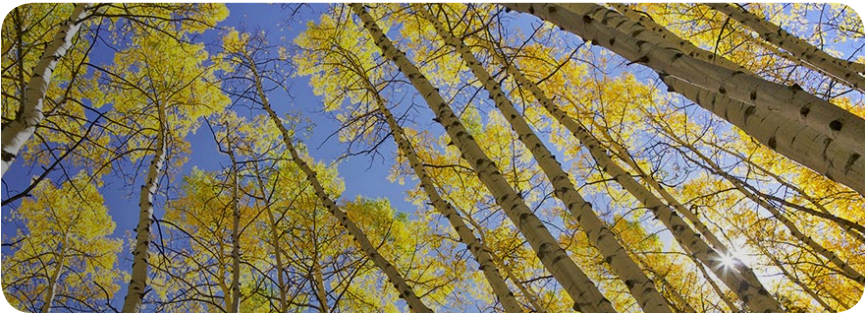


KEYNOTE SPEAKERS



THORSTEN HEBBEN, ALBERTA ENVIRONMENT & PARKS

Thorsten is a Director (and former limnologist) with the Water Policy Branch of Alberta Environment and Parks. In his twelve years with the Department, Thorsten has worked on a wide range of surface water quality issues and topics, including long-term trend assessment, water quality index reporting, and organic wastewater contaminants. For the past several years, Thorsten has been leading development and implementation of various surface water policies; not the least of these has been the Alberta Wetland Policy.



PAUL LEBLANC, LOUISIANA PACIFIC CANADA LTD.

Paul is the district forester for LP Swan Valley — Forest Resources Division. His responsibilities include: long-term planning and sustainability; coordinating Operating Plans; forest certification; mensuration, growth & yield; hardwood silviculture; ecosystem inventory; soils & vegetation. Paul is a professional forester with 30 years of experience from both industry and government. He holds a Master of Science in Forestry and an Honours Bachelor of Science in Forestry (first class standing), as well as a diploma in Environmental Management. Paul has helped develop forest ecosystem guides in Ontario, Saskatchewan, and Manitoba. Other notable work includes ecosystem inventories, ecological growth and yield, and recently contributing to the new DUC field guide for boreal wetland classes.

WEDNESDAY

JANUARY 20, 2016

WETLANDS BEST MANAGEMENT PRACTICES WORKSHOP

TIME	Topic	Speaker
7:30-8:30	Registration	
8:30	Welcome & Opening Remarks	Jules Leboeuf, Facilitator Kevin Smith, National Manager Boreal Programs
9:00	Table Top Discussions	Jules Leboeuf
10:00	Coffee Break	
10:30	Innovative Information Management to Support Innovative Conservation	Bev Gingras, DUC
11:00	Balancing Wetland Conservation & Development in a Regulated Utility	Shanon Leggo, ATCO Electric Ltd.
11:30	TBD	TBD
12:00	LUNCH	
1:00	Foothills Research Institute Demonstration https://friresearch.ca/	Terri McHugh, fRi Research
1:30	Wetlands Network IMES Demonstration http://www.wetlandnetwork.ca/	Neill Gilbride, Environment Canada
2:00	Intermountain Oil & Gas BMP Project IMES Demonstration http://www.oilandgasbmps.org/	Kathryn Mutz, University of Colorado Law School
2:30	Table Top Discussions	Jules Leboeuf
4:30	Closing Conversation	Jules Leboeuf
5:00-7:30	Evening Network Session & Pecha Kucha	

THURSDAY

JANUARY 21, 2016

WETLANDS BEST MANAGEMENT PRACTICES WORKSHOP

TIME	Topic	Speaker
8:00	Check-in and Opening Remarks	Jules Leboeuf
8:15	Government Keynote: Wetland Management and BMPs – <i>Not Just Another Tool in the Box</i>	Thorsten Hebben, Alberta Environment & Parks
8:40	Industry Keynote: Incorporation of Wetlands into Forest Management	Paul LeBlanc, Louisiana Pacific Canada Ltd.
9:00	Incorporating Wetland Knowledge into Road Developments	Chris Smith, DUC
9:20	Pile Supported Road Construction	Lorne McNeilly and Rob Udy, Landmark Solutions
9:40	Resource Roads and Wetlands: Road Construction Considerations	Mark Partington, FPIInnovations
10:00	Coffee Break	
10:30	Open Space Session	Jules Leboeuf
12:00	LUNCH	
1:00	Concurrent Session #1	Presenters
1:50	Concurrent Session #2	Presenters
2:40	Presenter Switch Break	
2:50	Concurrent Session #3	Presenters
3:40	Concurrent Session #4	Presenters
4:30-5:00	Closing Conversation	Jules Leboeuf

WORKSHOP TIPS

TABLE TOP INFORMATION MANAGEMENT & EXCHANGE SYSTEM (IMES) DISCUSSION

1. What's working well?
2. What challenges are each of us facing?
3. What are the gaps?
4. What should be our next steps based on collective business outcomes and organizational priorities?

BMP IMES QUESTIONNAIRE

As the different information management and exchange websites/databases are demonstrated, you will be asked to complete the questionnaire included in your registration package. These questions are designed to help determine system design options that you, the audience, desires for a wetland BMP IMES.

PECHA KUCHA

Also known as 20×20 presentations or Lightning Talks, Pecha Kucha is a dynamic and challenging presentation format. It contains 20 slides, with each slide automatically shown for 20 seconds, for a presentation of exactly 6 minutes, 40 seconds. Once the clock starts ticking the audience is on the side of the presenter, willing them to succeed.

The rules:

- Presentations must focus on Wetland Management Challenges and Opportunities
- Each presentation consists of 20 slides
- Each slide is shown automatically for 20 seconds
- There is no button for play, stop or pause
- Use images or photos, rather than text
- Interaction or questions during the presentation is neither allowed nor possible

CONCURRENT SESSIONS AND DISCUSSIONS

From the program guide (right), choose a topic that interests you for each round. You will have the opportunity to participate in four separate presentations and conversations during the afternoon. The speaker will present on their topic at the table for 20 minutes. The remaining 30 minutes will be used for the group to engage in Q&A and dialogue on the issue presented. We encourage you to go where your interests and working priorities lie, but also to explore topics that may be less familiar to you and where there are opportunities to learn something new and to cross-pollinate across industry sectors.

Tables will be numbered, look for the number that matches the talk you want to attend.

Sessions #1 and #2		
TABLE	Topic	Speaker
1	Providing Solutions Using Innovative Tools	Kimberly Dhun, Vieworx Geophoto Inc.
2	The SEEDS Organic Puck – An Innovative System for Establishing Native Plants on Disturbed Sites	Richard Krygier, Natural Resources Canada
3	Minimal Disturbance Pipeline Construction Procedures in Peatland Areas	Jennifer Barker and Darwin McNeely, TransCanada Pipelines Ltd.
4	Providing Management Focus for Landscape Planning in the Lower Athabasca Region	Tim Vinge, Alberta Environment and Parks
5	Resource Roads and Wetlands: Practical Applications to Maintain Hydrologic Connectivity	Clayton Gillies, FPIInnovations
6	Planning for Minimizing Impacts on Peatlands (Topic: In-Situ Oil and Gas Activities)	Dean MacKenzie, Vertex Resource Group Ltd.
7	SaskPower Transmission and Distribution Environmental BMP for Working In or Near Water: Need, Development, Implementation, Results and Continuous Improvement	Jaret MacDonald, SaskPower
8	Lessons Learned From Wetland Post-Construction Monitoring Along Pipeline Rights-Of-Way	Joanne Mauthner and Grace Mitchell, CH2M Hill Canada
SESSIONS #3 and #4		
TABLE	Topic	Speaker
1	DUC Enhanced Wetland Classification and Mapping	Al Richard, DUC
2	Cenovus LiDea Forest Restoration Project	Michael Cody, Cenovus
3	Industrial Project Implementation and Boreal Water Bodies – Cradle to Grave Best Management Practice Considerations	Rick Shewchuk, Little Bear Environmental Consulting Ltd.
4	Integrated planning for multiple values (and multiple scales) across industrial sectors	Margaret Donnelly, Alberta Pacific Forest Industries Inc.
5	A Tale of Two Roads: Consequences of Peat Conditions and Construction Practices on Peatland Effects, Reclaimability, and Best Practice Development	Terry Osko, Circle T Consulting
6	Removing In-Situ Footprint in Boreal Peatlands	Bin Xu, NAIT Boreal Institute
7	Wetland Mitigation on Manitoba Hydro Transmission Rights of Way: From Planning to Operations	James Matthewson, Manitoba Hydro

**Ducks Unlimited Canada is a not for profit science-based organization.
We conserve wetlands and other natural spaces for waterfowl,
wildlife and people.**

Our goal is to ensure abundant wetlands and waterfowl for generations to come while improving Canadian lives. Waterfowl are migratory. That's why our conservation efforts impact diverse areas across the entire country.

A vast network of wetlands teems with new life each year in the boreal forest. From the Yukon to Newfoundland, millions of ducklings hatch in the boreal and open their eyes to bountiful surroundings. Black spruce forests. Bright green bogs. A 1.3 billion-acre landscape defined by water and wildlife. Astronauts describe a shimmering blue ripple each morning as the sun rises over the boreal and the region comes alive.

All Canadians benefit from the health and wealth the boreal forest provides. Its wetlands buffer against floods in wet years and droughts in dry years. They lock in carbon that would otherwise add to climate change. They filter an incredible amount of fresh water. Outdoor enthusiasts hunt, fish, paddle, hike and camp in the boreal. Its many communities rely on the forest's abundant natural resources for their livelihoods.

**This natural treasure is changing.
That's why we have made boreal conservation one of our top priorities.
We invite you to join us on this journey.**

WORKSHOP ORGANIZING TEAM

Name	Role	Email
Jules Leboeuf	Facilitator	
Bev Gingras:	Event Lead	b_gingras@ducks.ca
Kylie McLeod:	Planning Lead	k_mcleod@ducks.ca
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Mark Kornder:	Pecha Kucha Coordinator	m_kornder@ducks.ca

SPECIAL THANKS TO THE WORKSHOP ADVISORY COMMITTEE

- Margaret Donnelly, Alberta Pacific Forest Industries Inc.
- Thorsten Hebben, Alberta Environment and Parks
- Doug Kulba, Alberta Environment and Parks
- Shanon Leggo, ATCO Electric Ltd.
- Margaret Marra, Shell Canada Ltd.
- Pat Marriott, Alberta Energy Regulator
- Doug Turner, Saskatchewan Ministry of Environment

**THANK YOU TO OUR
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CHRIS SAMUELSON
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DUC is a member of the Imagine Canada Ethical Code Program. The Ethical Code sets standards for charities to manage and report their financial affairs responsibly.

Charitable Registration Number 118 888 957 RR0001

Complete financial information can be found in the DUC annual report or online at ducks.ca