



CLRA | ACRSD

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SPEAKERS,**

THANK YOU!

**YOUR CONTINUED SUPPORT IS
GREATLY APPRECIATED AND IS KEY IN
MAKING THIS CONFERENCE
A CONTINUED SUCCESS**



**2019 CONFERENCE
AGENDA
(DRAFT)**

Monday February 11

9:00-12:00	PRE-CONFERENCE WORKSHOP 1 (Separate Registration Required) One Stop & MapViewer Training Heather Seibel, Alberta Energy Regulator
13:00-16:00	PRE-CONFERENCE WORKSHOP 2 (Separate Registration Required) One Stop & MapViewer Training Heather Seibel, Alberta Energy Regulator
16:00	END OF WORKSHOP
18:00	CONFERENCE & AGM REGISTRATION OPEN WELCOME RECEPTION Student & Mentor Meet up Award Winner & Sponsor Meet up
22:00	END OF DAY

2019 BOARD OF DIRECTORS

Executive

Marissa Reckmann, President
President & CEO, AGAT Laboratories

Christine Johnson, Vice President
Business Development Coordinator, Trace Associates

Maria Kudienko, Secretary (Outgoing)
Environmental Scientist, Matrix Solutions Inc.

Elise Faryna, Treasurer (Outgoing)
Environmental Planner, Sequoia Resources Corp

Directors

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Reclamation Specialist, Tannas Conservation Services Ltd.

Betsy Chai
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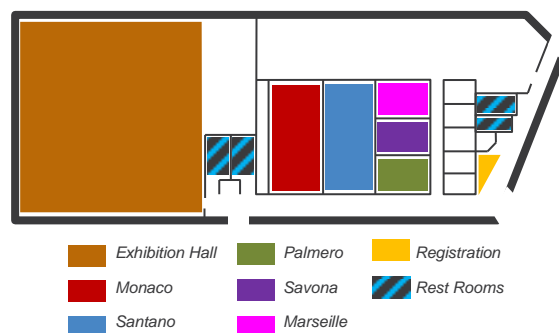
Cheryl Hendrickson
President, LandSaga Biogeographical Incorporated

Darren Heck
Project Manager, Stantec Consulting Ltd.

Kelly Zadko
Vice President – Business Development, North Shore Environmental Consultants

Past President
Fannie DesRosiers, Vice President CLRA National, Team Lead, WSP Canada

VENUE MAP



Tuesday February 12

7:00	REGISTRATION OPEN				
7:00	BREAKFAST (Exhibition Hall)				
8:00	Welcome and Opening Remarks <i>Marissa Reckmann, President, CLRA Alberta Chapter / CEO, AGAT Laboratories</i>				
8:15	Area-Based Closure - Learnings from an Early Adopter <i>James Agate, Manager, Reclamation, Canadian Natural Resources Limited & Chris MacKay, Reclamation Specialist, Hemisphere Land & Resource Consulting Ltd.</i>				
8:45	Weed Control in the Green Area: Using Empirical Evidence to Question Current Practices <i>Amanda Schoonmaker, Research Chair, NAIT</i>				
9:15	PAH Urban Background Values and Soil Re-Use on a Municipal Capital Project <i>Paul Leong, Senior Technical Advisor, The City of Calgary</i>				
9:45	NETWORKING BREAK				
	Reclamation	Liability & Closure	Remediation	Green Zone / Wildlife	Reclamation Tool Kit
10:30	Reclamation of a Former Oil and Gas Refinery Applying Non-Traditional Methods <i>Kalina Noel, Senior Ecologist, SLR Consulting (Canada) Ltd.</i>	Innovating Our Way to Closure: Technology-Based Solutions <i>Simone Levy, Researcher, InnoTech Alberta</i>	Road Salt Forensics: Using Cl-/Br- Ratios and Other Indicators to Assess and Differentiate Road Salt and Other Impacts in Groundwater <i>Terry Obal, Chief Science Advisor, Maxxam Analytics</i>	Initial Spill Response: A Biologist's Perspective <i>Sandra Babiuk, Terrestrial Ecologist & Lynette Allemand, Ecologist, RC BioSolutions Ltd.</i>	Is the Native Plants Story "Fake News"? Lessons Learned Compiling the Inventory of Native Species Seed Mixes in Alberta <i>Chris Powter, Owner, Enviro Q&A Services</i>
11:00	Reclamation with Rare Plants: It's Possible and Happening <i>Darin Sherritt, Intermediate Ecologist, Tannas Conservation Services</i>	Site-Specific liability for Complex Upstream Oil and Gas Contaminated Facilities in Saskatchewan <i>Todd Han, Senior Biologist, Matrix Solutions Inc.</i>	Two-Step Reclamation of a Polluted Site with Surfactant and ISCO Treatment: Field Case Study North-West Italy <i>George Ivey, President & Senior Remediation Specialist, Ivey International</i>	Watercourse Crossing Restoration Prioritization at the Landscape Level <i>Scott Wilson, Ecologist, Woodlands North</i>	Quantifying Natural Recovery in Forested Areas <i>Wade Pruett, Senior Environmental Advisor, TransCanada Pipelines & Brittany Flemming, Director of Research, Paragon Soil & Environmental Consulting Inc.</i>
11:30	Reclamation and Beneficial Use of Phosphogypsum Stacks in Alberta <i>Connie Nichol, Environmental Scientist, Nutrien (former Agrium)</i>	Optimized Approach for Minimizing Oil and Gas Asset and Remediation and Reclamation Liability Cost <i>Junye Wang, Professor, Athabasca University</i>	Myth: You Can't Get Closure Using Site-Specific Risk Assessment <i>Trevor Burgers, Senior Environmental Scientist & Lindsey Mooney, Risk Assessment Specialist, Millennium EMS Solutions</i>	Wildlife Usage Indicates a Trend Towards Increased Similarity between Reclaimed Upland Habitat and Mature Boreal Forest in the Athabasca Oil Sands Region of Alberta <i>Virgil Hawkes, Vice-President & Senior Wildlife Biologist, LGL Ltd.</i>	A Skeptics Guide to Sorting Through Erosion Control Specifications <i>Trevor Kloock, Business Development Manager, Synermulch</i>
12:00	LUNCH (Exhibition Hall)				
13:00	Lyme Disease: The Myths and Facts: A Personal Journey <i>Jamie Cobler, Project Manager, Deeproots Environmental Ltd.</i>				
13:20	Effects of Atmospheric Sulfur and Nitrogen Deposition on Soil Properties and Foliar Nutrient Concentration in the Athabasca Oil Sands Region <i>Sebastian Dietrich, Research Fellow, University of Alberta</i>				
14:50	Evaluation of Upland Forest Vegetation Growth Performance of Land Reclamation at Syncrude Canada Ltd. Oil Sands Mine Operations <i>Marty Yarmuch, Soil Scientist, Syncrude Canada Ltd.</i>				
14:20	Pilot Mentorship Program – ECO Canada <i>Lynette Esak, Volunteer Program Lead, Esak Consulting Ltd.</i>				
14:30	NETWORKING BREAK				
	Reclamation	Remediation	Dealing with Salts	Data Analysis	Technology & Education
15:00	Combined Effects of Climate Change and Reclamation on Future Forest Vegetation in the Mineable Alberta Oil Sands <i>Hedvig Nenzen, Landscape Reclamation Modeler, Canadian Forest Service, Natural Resource Canada.</i>	Floating Island Selenium Bioremediation of Mining Waste: Bench and Field Trials <i>Steven Tannas, Senior Vegetation Ecologist & Ashley Easton, Reclamation Specialist, Tannas Conservation Services</i>	Alternative Salinity Evaluation; Description and Benefits of an Additional Line of Evidence Accepted by the BC Oil and Gas Commission <i>Daniel Gorsic, CEO, SynergyAspen Environmental</i>	Analytical Chemistry in the Commercial Laboratory – Keeping Up <i>Chris Swynghedouw, Technical Specialist, Exova Group Limited</i>	So You Want To Be An Environmental Scientist? No Fake News Here – Connecting Your Classroom Studies to The Oil and Gas Industry <i>Kirk Elliott & Megan Rennie, Environmental Scientists, Trace Associates Inc.</i>
15:30	Evaluating Innovative Techniques and Products to Enhance Reclamation Success <i>Sarah Thacker, Researcher, & Bonnie Drozdowski, Team Lead/Researcher, InnoTech, Alberta</i>	Critical Evaluation of Drilling Waste Compliance Option Triggers: How Do They Correlate to Phase 2 ESA Results? <i>Jim Purves, Technical Advisor, North Shore Environmental Consultants</i>	EM31 and OhmMapper Surveys, Calibrated with Physical Analytical Soil Data, to Create Impacted Soil Volume Estimates Before Remediation- A Case Study in Achieving Site Closure <i>David Barcham, Project Manager, Pinchin Ltd. & Adam Peake, Geophysicist, DMT Geosciences</i>	Soil Contamination Sampling Intensity: Determining Accuracy and Confidence using a Monte Carlo Simulation <i>Preston Sorenson, Chief Science Officer, Maapera Analytics Inc.</i>	Can small sensors and citizen science be trusted as real science? <i>Kevin McCullum, Senior Engineer, Matrix Solutions Inc.</i>
16:00	Reclaiming a Former Airstrip to Wetland Status: A Case Study <i>Melanie Bird, NAIT Boreal Research Institute</i>	Biosparge Pilot System for Aerobic Degradation of Sulfolane <i>Jennifer Harder, Project Manager, Golder Associates & Didier Jouen, Imperial Oil Limited.</i>	The Good, the Bad, and the Salty: A Collaboration of Technologies for Site Remediation in Naturally Occurring Saline Areas <i>Ken Grykuliak, Senior Project Manager & Cathy Kingdon, Environmental Engineer, Stantec Consulting, & Patrick Mah, Geophysicist, DMT Geoscience Ltd.</i>	Accessible management and analysis of problematic data in R: it's easier than you think <i>Stefan Schreiber, Director, EnviroStats Solutions</i>	All sites with high hydrocarbon levels are contaminated. Myth or Fake News? <i>Lisa Neville, Director, Technical Science, AGAT Labs</i>
16:30	BREAK				
17:00	CLRA SOCIAL (Monaco/Santano)				
18:30	INDUSTRY BANQUET & AWARDS <i>Western Sky Video & Award Presentations</i>				
22:30	END OF DAY				

Wednesday February 13

7:00	REGISTRATION OPEN
7:00	BREAKFAST (Exhibition Hall)
8:15	CLRA National Updates <i>Andrea McEachern, President, CLRA National / Vice President & Co-Founder PurLucid Treatment Solutions</i>
8:30	OneStop Updates <i>Nicole Koscielny, Specialist, Alberta Energy Regulator</i>
9:00	Overview of the Conservation and Reclamation Directive for Renewable Energy Operations <i>Shane Patterson, Alberta Environment and Parks</i>
9:30	BC OGC Regulatory Update <i>Devin Scheck, Supervisor, Environmental Stewardship, BC Oil and Gas Commission</i>
10:00	NETWORKING BREAK
10:30	Stop the Spread: Alberta' Decontamination Protocol for the Containment of Whirling Disease <i>Kelly Skaug, Decontamination Technician, Alberta Environment and Parks</i>
11:00	Update from the Orphan Well Association <i>Lars DePauw, Executive Director, Orphan Well Association</i>
11:30	Alberta's Revised Remediation Regulation <i>Lisa Fairweather & Norman Sawatsky, Alberta Environment and Parks</i>
12:00	Partial Reclamation Certificates and Site Reductions <i>Douglas Dafoe, President and Chief Executive Officer, Ember Resources Inc.</i>
12:30	LUNCH (Exhibition Hall) Alberta Chapter AGM <i>Alberta Chapter Board of Directors</i> <i>Outgoing and Incoming Director Announcements</i>
13:20	TBD <i>Nicolas Mansuy, Canadian Forest Service, Natural Resources Canada</i>
13:30	Liability Management: Challenges and a Path Forward <i>Robert Wadsworth, Vice President, Closure and Liability Management, Alberta Energy Regulator</i>
14:00	Area-Based Closure <i>Dustin Shauer, Senior Specialist, Alberta Energy Regulator</i>
14:30	AER Record of Site Condition <i>Daniel Pollard & Sara Blacklaws, Remediation and Contamination Management Specialists, Alberta Energy Regulator</i>
15:00	Closing Remarks and Door Prizes <i>**Must be present to Win**</i>
15:30	END OF CONFERENCE <i>Sponsor Display Take Down</i>

Thank you to all our Sponsors and Attendees!

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