

International Rainy-Lake of the Woods Watershed Forum

Minnesota North College – Rainy River 1501 Hwy 71 International Falls, MN

Start	Mins	Symposium Sessions March 8
11:45	1:15	Lunch
1:00	0:40	Traditional Protocols Elder Priscilla Simard, Coochiching First Nation and Women’s Council of GCT3 Greetings U.S. Consul Bryan Koontz; Canadian Consul Colin McLeod
		Session 1 - Getting to Objectives (Fireside Chat Session)
1:40	0:10	Panelist Introductions and Instructions <i>Moderator</i>
1:50	0:20	New water quality objectives for the International Red River: A case study <i>Nicole Armstrong, Manitoba Environment, Climate and Parks</i>
2:10	0:20	Grand Council Treaty #3 perspectives on shared water governance <i>GCT3</i>
2:30	0:30	Moderated Panel Discussion <i>All</i>
3:00	0:30	Break
		Session 2 - Watershed Updates: Research to Action
3:30	0:10	Moving to Action and Understanding on the US Side: Implementation and Further Research in Rainy Basin. <i>Mike Kennedy, Amy Mustonen, Lindsey Krumrie, MPCA Duluth</i>
3:40	0:20	Environment and Climate Change Canada Lake of the Woods Nutrients Update <i>Daniel Rokitnicki-Wojcik, ECCC</i>
4:00	0:20	International Rainy-Lake of the Woods Watershed Board Update <i>Michael Goffin (ECCC), Col. Eric R. Swenson (US Army Corps)</i>
4:20	0:10	IJC Objectives and Alerts Project <i>Bev Clark, Consultant</i>
4:30	0:20	GCT3 Geoportal <i>Raeshawn Parsons, TPU GCT3</i>
4:50		DAY 1 END 6 pm Dinner Reception at Thunderbird Lodge on Rainy Lake <ul style="list-style-type: none"> • Guest Speaker, David Malaher: “An historian’s comparison of the Lake of the Woods Water Sustainability Foundation work in 2023 with problems in surveying the Canada-US boundary on Lake of the Woods and Rainy River in 1823” • Kallemeyn Award presentation

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Program At A Glance – Day 2

March 2023
8 & 9

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Start	Mins	Symposium Sessions March 9
8:00	0:30	Coffee available in cafeteria
8:30	0:10	Day 2 Welcome and Introductions
Session 3 - Planning and Governance		
8:40	0:20	Centering Treaty in governing the Rainy-Lake of the Woods Watershed Johann Strube, Carleton University
9:00	0:20	International Rainy-Lake of the Woods Watershed Board Adaptive Management Committee's Climate Change Adaptation Activities Teika Newton, IRLWWB Adaptive Management Committee
9:20	0:20	Moving from data to decisions: How the Rainy Headwaters-Vermillion Watershed planning effort is utilizing extensive monitoring & research data to prioritize, target, & measure for implementation Becca Reiss, North St. Louis Soil and Water Conservation District
9:40	0:20	Nibi portal and curriculum Grand Council Treaty #3 Women's Council
10:00	0:30	Break
Session 4 - Nutrients		
10:30	0:20	A stream corridor sediment budget for the Little Fork River Anna Baker, USGS
10:50	0:20	Planned Study of Rainy River sediment-bound phosphorus as a potential driver of Lake of the Woods Algal Blooms Anna Baker, USGS
11:10	0:20	Lessons learned from a multi-year nutrient research program in the Canadian tributaries Catherine Eimers, Trent University
11:30	0:20	Nitrogen fixation may offset nitrogen demands in Lake of the Woods cHABs, and molecular techniques reveal species responsible for toxin production Kaela E. Natwora, University of Minnesota Duluth
11:50	1:20	Lunch in the cafeteria
Session 5 - Emerging Issues & Technologies		
13:10	0:20	Using Satellite-Derived Water Quality Data from an Automated High-Performance Computing Environment to Identify Lakes Prone to Cyanobacteria blooms in the Rainy-Lake of the Woods Watershed Leif Olmanson, Remote Sensing & Geospatial Analysis Lab, University of Minnesota
13:30	0:20	Adaptive Monitoring on the Lower Winnipeg River, Manitoba Madeline Stanley, International Institute for Sustainable Development
13:50	0:20	Assessing Vulnerability of Waters to Mining in the Rainy—Lake of the Woods Watershed Victoria G. Christensen, USGS Upper Midwest Water Science Center
14:10	0:20	Using a novel photoelectrochemical oxygen demand (peCOD) analyser to augment monitoring of greenhouse gas impacts on the dissolved carbon in boreal lakes Blake Cooney, IISD Experimental Lakes Area and U. Manitoba
14:30	0:20	Hydrologic Mapping Tool for Rainy Lake, Namakan Reservoir, and Rainy River to Support Adaptive Management of Lake Levels & USGS Web Informatics & Mapping Team Web Application Capabilities Julia Prokopec, USGS Upper Midwest Water Science Center
14:50	0:30	Break
Session 6 - Ecology and Biodiversity		
15:20	0:20	Impacts of Invasive Spiny Water Flea (<i>Bythotrephes cederstroemi</i>) on Mercury Accumulation in Northern Ontario Walleye James B. Wood, Lakehead U. Community Ecology and Energetics Lab
15:40	0:20	Community-Based Monitoring and Grand Council Treaty #3 led Monitoring Michaela Novak, Chris Herc, Grand Council Treaty #3
16:00	0:20	Whose track is that? Interpreting animal sign in Voyageurs National Park to determine semi-aquatic mammal presence Catherine Berrick, Voyageurs National Park
16:20	0:20	The effect of prescribed fire and flooding on hybrid cattail at Voyageurs National Park Erika Meints, Northern Michigan University and Voyageurs National Park
16:40	0:05	Closing Remarks - Forum Ends 4:45 pm Central Time