

**2022 International Rainy-Lake of the Woods Watershed Forum**  
**March 9 & 10, 2022 – Online**  
**Program At A Glance**

DAY 1 - MARCH 9		
Central Time Zone		
Start	Length	
11:45	0:15	Zoom session open for pre-logon - <u>please logon before 12</u>
12:00	0:40	Traditional Protocols  Greetings
<b>Session 1 - Water Governance (Moderator: Lucas King)</b>		
12:40	0:38	Plenary Keynote: Legal personhood, indigenous governance and relation to water ( <u>Incl. Q/A period</u> ) <a href="#">Aimée Craft, University of Ottawa Research Chair Nibi miinawaa aki inaakonigewin</a>
13:20	0:18	Manito Aki Inakonigaawin (MAI) and Nibi Declaration moving forward <a href="#">Hailey Krolyk, Grand Council Treaty #3</a>
13:40	0:18	International Rainy-Lake of the Woods Watershed Board update <a href="#">Michael Goffin and Col. Karl Jansen, Board Co-Chairs</a>
14:00	0:18	Partnerships to manage the Red Lake Nation's and Minnesota's largest lakes <a href="#">David Burge, S. Bowe, K. Bowe, J. Anderson, C. Hernandez, A. Heathcote, M. Edlund</a>
14:20	0:18	Q&A with session presenters <a href="#">ALL</a>
14:40	0:20	<b>Break</b>
<b>Session 2 - State of the Basin (Moderator: Todd Sellers)</b>		
15:00	0:38	Overview of the State of the Basin Report – 3rd Edition 2022 ( <u>Incl. Q/A period</u> ) <a href="#">Bev Clark, Lucas King, Todd Sellers (Eds)</a>
15:40	0:18	Long-term changes in Lake Ice Phenology in Northwestern Ontario <a href="#">Scott Higgins, J. Van der Sanden, C. Desjardins, H. Drouin, K. Rühland, and C. Nelligan</a>
16:00	0:18	An Examination of Total Phosphorus Variability in Lake of the Woods <a href="#">Bev Clark, T. Sellers, T. Mosindy</a>
16:20	0:18	ECCC Water Quality Monitoring in the Rainy River/Lake of the Woods Watershed <a href="#">Diana Fred</a>
16:40	0:18	Q&A with session presenters <a href="#">ALL</a>
17:00	<b>DAY 1 END</b>	

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<b>DAY 2 - MARCH 10</b>		
<b>Central Time Zone</b>		
Start	Length	
<b>8:15</b>	<b>0:15</b>	<b>Zoom session open for pre-logon - please logon before 08:30</b>
<b>8:30</b>	<b>0:10</b>	Day 2 Welcome and Introductions
<b>Session 3 - Nutrients 1 (Moderator: Jesse Anderson)</b>		
<b>8:40</b>	<b>0:18</b>	Erosion in the Little Fork River – accounting for near-channel and watershed sources of sediment and sediment-bound phosphorus using sediment budget and fingerprinting methods <a href="#">Anna Baker</a> , <a href="#">F. Fitzpatrick</a> , <a href="#">M. Kennedy</a> , <a href="#">S. Soderman</a> , <a href="#">P. Norvitch</a> , <a href="#">A. Kasun</a> , <a href="#">K. Gran</a> , <a href="#">J. Anderson</a> , <a href="#">K. Stroom</a>
<b>9:00</b>	<b>0:18</b>	Proposed Study of Rainy River sediment-bound phosphorus as a potential driver of Lake-of-the-Woods Algal Blooms <a href="#">Anna Baker</a> , <a href="#">A. Heathcote</a> , <a href="#">M. Edlund</a> , <a href="#">F. Fitzpatrick</a> , <a href="#">M. Kennedy</a> , <a href="#">J. Anderson</a> , <a href="#">K. Stroom</a> , <a href="#">S. Soderman</a> , <a href="#">P. Norvitch</a> , <a href="#">M. Hirst</a> , <a href="#">P. Reneau</a>
<b>9:20</b>	<b>0:18</b>	Phosphorus in atmospheric deposition - importance for lake vs. watershed budgets <a href="#">M. Catherine Eimers</a> , <a href="#">Shaun A. Watmough</a> , <a href="#">Andrew J. Williams</a> and <a href="#">Michael J. Paterson</a>
<b>9:40</b>	<b>0:18</b>	Nitrogen fixation may offset nitrogen demands in Lake of the Woods cHABs <a href="#">Kaela E. Natwora</a> , <a href="#">Cody S. Sheik</a> , <a href="#">Adam Heathcote</a> , and <a href="#">Mark Edlund</a>
<b>10:00</b>	<b>0:18</b>	Q&A - With Nutrient 1 session presenters <a href="#">ALL</a>
<b>10:20</b>	<b>0:20</b>	<b>Break</b>
<b>Session 4 - Nutrients 2 (Moderator: Kayla Bowe)</b>		
<b>10:40</b>	<b>0:18</b>	Rainy River-Lake of the Woods Southern Basin Update from MPCA <a href="#">Mike Kennedy</a> , <a href="#">Lindsey Krumrie</a> , <a href="#">Amy Mustonen</a>
<b>11:00</b>	<b>0:18</b>	Environment and Climate Change Canada Nutrients Update <a href="#">Daniel Rokitnicki-Wojcik</a>
<b>11:20</b>	<b>0:18</b>	Detachment, Dispersal, and Destinations of Floating Cattail Mats in Large Lake Environments <a href="#">Steven K. Windels</a> , <a href="#">Bryce T. Olson</a> , <a href="#">Reid T. Plumb</a> , <a href="#">Jerry Warmbold</a>
<b>11:40</b>	<b>0:18</b>	Q&A - With Nutrient 2 session presenters <a href="#">ALL</a>
<b>12:00</b>	<b>0:50</b>	<b>Virtual Lunch Break</b>

(Session 5 – Emerging Issues and Technologies 1 – starts at 13:10, see next page)

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<b>Session 5 - Emerging Issues and Technologies 1 (Moderator: Scott Higgins)</b>		
<b>12:50</b>	<b>0:18</b>	Treaty #3 Winnipeg River Drainage Basin Flood Vulnerability Study <a href="#">Liam Kent</a>
<b>13:10</b>	<b>0:18</b>	Characteristics and Importance of the Lower Winnipeg River Basin <a href="#">Madeline Stanley</a> , <a href="#">Marina Puzyreva</a> , <a href="#">Jeff Simpson</a> , <a href="#">Dimple Roy</a>
<b>13:30</b>	<b>0:18</b>	Effects of microplastics on Yellow Perch ( <i>Perca flavescens</i> ) metabolic rates <a href="#">Cody Veneruzzo</a> , <a href="#">K. Bucci</a> , <a href="#">D. Langenfeld</a> , <a href="#">R. McNameem</a> , <a href="#">L.D. Hayhurst</a> , <a href="#">L.E. Hrenchuk</a> , <a href="#">M.D. Rennie</a>
<b>13:50</b>	<b>0:18</b>	Treaty #3 Geospatial Database <a href="#">Raeshawn Parsons</a>
<b>14:10</b>	<b>0:18</b>	Q&A - With session presenters <a href="#">ALL</a>
<b>14:30</b>	<b>0:20</b>	<b>Break</b>
<b>Session 6 - Emerging Issues and Technologies 2 (Ryan Maki)</b>		
<b>14:50</b>	<b>0:18</b>	Early Detection of Aquatic Invasive Species Using eDNA Methods in Minnesota Lakes <a href="#">Anna Totsch</a> , <a href="#">Josh Dumke</a> , <a href="#">Adelle Keppers</a> , <a href="#">Chan Lan Chun</a>
<b>15:10</b>	<b>0:18</b>	Evaluating the impacts of Bythotrephes on the growth of young-of-year walleye and validation of a back-calculation method <a href="#">Danielle Gartshore</a> and <a href="#">Michael Rennie</a>
<b>15:30</b>	<b>0:18</b>	Restoring hybrid cattail infested wetlands in Voyageurs National Park: What have we learned? <a href="#">Reid T. Plumb</a> , <a href="#">Jerry Warmbold</a> , <a href="#">Steve K. Windels</a> , and <a href="#">Bryce T. Olson</a>
<b>15:50</b>	<b>0:18</b>	Aquatic Vertebrate By-Catch at the IISD-ELA: Historical distribution and trends <a href="#">Lauren D. Hayhurst</a> , <a href="#">C.M.C. Rodgers</a> , <a href="#">S.M. Chalanchuk</a> , <a href="#">D.J. Allan</a> , <a href="#">S. J. Hecnar</a> , <a href="#">M.D. Rennie</a>
<b>16:10</b>	<b>0:18</b>	Emerging Technologies for Monitoring Nutrients, Algae, and Water Quality <a href="#">Andrea Zappe</a>
<b>16:30</b>	<b>0:18</b>	Q&A - with session presenters <a href="#">ALL</a>
<b>16:50</b>	<b>0:05</b>	<b>Closing Remarks - Forum Ends 5:00 pm Central Time</b>