



# 40th Annual Red River Basin Land & Water International Summit Conference Agenda

**Tuesday, January 17, 2023**

Time	Session	Details	Speaker(s)	Location
<b>1:00 - 1:30pm</b>	Welcome & Introductions	National Anthems & Presentation of the Flags	<ul style="list-style-type: none"> <li>Gavin van der Linde</li> <li>Ted Preister</li> </ul>	Crystal Ballroom
		Welcome from the City of Winnipeg	Markus Chambers, Deputy Mayor, Winnipeg City Councillor	
<b>1:30 - 2:30 pm</b>	Keynote	Understanding Hydroclimatic Changes in the Red River Basin	Kenneth Blumenfeld, Sr. Climatologist, Minnesota State Climate Office	Crystal Ballroom
<b>2:30 - 3:00 pm</b>	Break & Exhibits			Concert Hall
<b>3:00 - 4:00 pm</b>		Looking Back, Highlighting 40 Years of Progress	<ul style="list-style-type: none"> <li>Morrie Lanning</li> <li>Herm Martens</li> <li>Bud Oliver</li> <li>Lance Yohe</li> </ul>	Crystal Ballroom
<b>4:00 - 4:30 pm</b>	Plenary Session	Jurisdictional Agricultural Perspectives: The State of Agriculture	Thom Petersen, Minnesota Agriculture Commissioner	Crystal Ballroom
<b>5:30 - 7:30 pm</b>	Social	40th Annual Conference Celebration		Concert Hall



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<b>7:00 am</b>	Continental Breakfast			Provencher Ballroom
<b>8:30 - 9:00 am</b>	Plenary Session	Changes in Climate and the Economy that are Driving Agricultural Decisions	Maurice Bouvier, Assistant Deputy Minister for the Industry Advancement Division in Manitoba Agriculture	Crystal Ballroom
<b>9:00 - 10:15 am</b>	Plenary Session	2022 Year in Review; Moving on to 2023	Melinda Beerends & Amanda Lee, National Weather Service, NOAA	Crystal Ballroom
		Journey Toward Permanent Flood Protection: A Look at 2022 Accomplishments and 2023 Plans for the Fargo-Moorhead Area Diversion Project	Joel Paulsen, Metro Flood Diversion Authority	
		A Provincial Water Management Strategy for Manitoba	Nicole Armstrong, Director, Water Science and Water Management Branch	
<b>10:15 - 10:45 am</b>	Break & Exhibits			Concert Hall
<b>10:45 - 12:00 pm</b>	Lightning Talks	The Keep it Clean Initiative for Ice Belt Lakes in Minnesota	Robyn Dwight, Upper Red Lake Area Association	Crystal Ballroom
		Lessons Learned from the 2022 Flood: Bourbanis Dam and the Changing Landscape of the Red River Basin	Zach Herrmann, Houston Engineering, Inc.	
		Manitoba Flooding	Chris Propp & Fisaha Unduche, Manitoba Transportation and Infrastructure	
		City of Grafton North Dakota Flood Risk Reduction	Kurt Lysne, Moore Engineering, Inc.	
<b>12:00 - 12:45 pm</b>	Lunch: Buffet Style			Provencher Ballroom
<b>1:00 - 3:00 pm</b>	Break Out Sessions			



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## Break Out Sessions 1:00-3:00 pm

Crystal Ballroom		Gateway Room		Tache Room	
Proposed TP Standards for the Red at Emerson: Where's the Historical Perspective	Scott Korom, University of North Dakota	Exploring 'Big Picture' Scenarios for Resilience in the Red River Basin	Anita Lazaruko, University of Waterloo	Calculating Flow Rate from Variable Frequency Drive Operated Pump Systems for Agricultural Drainage	Emily Nelson, North Dakota State University
Building Climate Change Resilience into your Emergency Plan	Shelley Napier, Napier Emergency Consulting	Swan Lake First Nation Youth Program	David Scott, Youth Program Leader, Swan Lake First Nation	Hydrologic and Hydraulic Assessment Study of Flood Prone Areas in the RM of St. Andrews: The Flood Mechanisms and Identification of Residences At-Risk to Ice Jamming on the Red River	<ul style="list-style-type: none"> <li>Ron Hahlweg, RM of St. Andrews &amp; MB Transportation and Infrastructure</li> <li>Andrew Weiss, KGS Group</li> </ul>
USGS Science in Support of International Red River Watershed Board	Rochelle Nustad, USGS	Pembina Valley Watershed District Partnership with Swan Lake First Nation	Ryan Sheffield, Samantha Leech, & Tiffany Hemphill, Pembina Valley Watershed District	Natural Bank Stabilization Methods	Mandar Nagare, Barr Engineering
Using 2D Modeling to Accurately Estimate Runoff Peaks in Red River Valley (Case Study: Grand Forks, ND)	Amber Lefers, AE2S			New Applications of 1m LiDAR for the Manitoba Water Strategy: Phosphorus Transport, Hydrography, and Hydraulic Modelling	Hank Venema, Strategic Systems Engineering





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Time	Session	Details	Speaker(s)	Location
<b>3:00 - 3:30 pm</b>	Break & Exhibits			Concert Hall
<b>3:30 - 5:00 pm</b>	Plenary Session	Elm River Watershed Dam Safety Retrofits	Nathan Trosen, Moore Engineering, Inc.	Crystal Ballroom
		40 Years of Joint Water Organizations	<ul style="list-style-type: none"> <li>Rob Sip, Red River Watershed Management Board</li> <li>Randy Gjestvang, North Dakota Department of Water Resources</li> </ul>	
		Fort Garry Campus Riverbank Management Study: Looking Beyond the Build	Bruno Pierre Arpin, KGS Group	
		Restoring the Roseau River	<ul style="list-style-type: none"> <li>Tracy Halstengard, Roseau River Watershed</li> <li>Erik Jones, Houston Engineering, Inc.</li> </ul>	
<b>6:00 pm</b>	Social	<ul style="list-style-type: none"> <li>Cash Bar</li> </ul>		Provencher Ballroom
<b>6:30 pm</b>	Awards Banquet	<ul style="list-style-type: none"> <li>Ariel Delouya, Consul General of Canada, Minneapolis, United States</li> <li>Brian Koontz, Consul and Principal Officer, US Consulate Winnipeg</li> <li>Leadership Award Presentation</li> <li>Silent Auction Winners</li> </ul>		



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Time	Session	Details	Speaker(s)	Location												
<b>7:00 am</b>	Continental Breakfast			Provencher Ballroom												
<b>8:30 - 9:30 am</b>	Annual Meeting	<ul style="list-style-type: none"> <li>Board Chairman Report</li> <li>Executive Director Report</li> <li>Financial/Audit Report</li> <li>At-Large Election</li> </ul>		Crystal Ballroom												
<b>9:30 - 10:00 am</b>	Break			Concert Hall												
<b>10:00 - 11:30 am</b>	Plenary Session	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Whiskey Creek Enhancement Project</td> <td style="text-align: center;">Erik Jones, Houston Engineering, Inc.</td> </tr> <tr> <td style="text-align: center;">50 Years of the Clean Water Act and the Nutrient Reduction Strategy</td> <td style="text-align: center;">Theresa Haugen, Minnesota Pollution Control Agency</td> </tr> <tr> <td style="text-align: center;">Efforts of the RRBC Water Supply Working Group</td> <td style="text-align: center;">Greg Archibald, Pembina Valley Water Co-op</td> </tr> <tr> <td style="text-align: center;">Water Supply and Infrastructure's Influence on Economic Development in Manitoba</td> <td style="text-align: center;">Jennifer Chiarotto, Executive Director of Economic Opportunities for Economic Development, Investment and Trade</td> </tr> <tr> <td style="text-align: center;">Innovative Approach to Storing Flood Waters for Water Supply</td> <td style="text-align: center;">Santokh Randhawa, Deputy City Manager for City of Morden, Manitoba</td> </tr> <tr> <td style="text-align: center;">Red River Basin Commission Projects and Where We Are Going</td> <td style="text-align: center;">Ted Preister, RRBC</td> </tr> </table>	Whiskey Creek Enhancement Project	Erik Jones, Houston Engineering, Inc.	50 Years of the Clean Water Act and the Nutrient Reduction Strategy	Theresa Haugen, Minnesota Pollution Control Agency	Efforts of the RRBC Water Supply Working Group	Greg Archibald, Pembina Valley Water Co-op	Water Supply and Infrastructure's Influence on Economic Development in Manitoba	Jennifer Chiarotto, Executive Director of Economic Opportunities for Economic Development, Investment and Trade	Innovative Approach to Storing Flood Waters for Water Supply	Santokh Randhawa, Deputy City Manager for City of Morden, Manitoba	Red River Basin Commission Projects and Where We Are Going	Ted Preister, RRBC		Crystal Ballroom
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<b>11:30 - 12:15 pm</b>	International Red River Watershed Board & International Joint Commission			Crystal Ballroom												
<b>12:15 pm</b>	Lunch <ul style="list-style-type: none"> <li>Conference Wrap Up</li> <li>Grand Prize Drawing</li> </ul>			Provencher Ballroom												