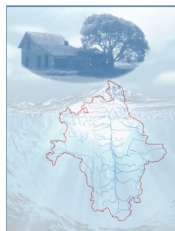


37th Annual Red River Basin Land & Water International Summit Conference



“Nourished by Nature: Getting Back to Our Roots”

January 14-16, 2020 The Delta by Marriott, Fargo, ND

WATER SUPPLY WORKSHOP - Tuesday, January 14 8:30 a.m. – 12:00 p.m.

- 8:30 am Welcome and Overview of Workshop, How can we be talking about flooding and drought at the Same Time & State of The Basin, Ted Preister, Executive Director RRBC
- 8:45 Minnesota Incorporates Lessons Learned to Update Drought Response, Minnesota DNR Climatology
- 9:15 Manitoba Provincail Planning Efforts, Manitoba Agriculture and Resource Development
- 9:30 Pembina Valley Water Coop (PVWC) is Leading Manitoba Drought Preparation, Greg Archibald, Executive Director PVWC
- 9:50 Break
- 10:10 Fargo and Moorhead Efforts, Troy Hall (Fargo) and Kris Knutson (Moorhead)
- 10:30 What Would the RRVWS Project mean to Residents, DuWayne DeKray, Executive Director Garrison Conservancy District
- 11:10 Break Outs
- 11:40 Regroup and back brief Discussions, Ted Preister, Executive Director RRBC
- 12:00 Adjourn: Lunch on your own

37th ANNUAL CONFERENCE BEGINS - Tuesday, January 14 - 1:00 p.m.

- 1:00 pm Welcome – **Mary Scherling**, RRBC Chair
 - NDSU ROTC Color Guard
 - Greetings from Fargo

- 1:15 - 2:00 **Keynote Speaker - Simon Baker**

- 2:00– 2:20 **Indigenous Voices in Water Governance - Minister Eileen Clarke, Minister of Indigenous and Northern Relations**

- 2:20- 2:50 Breaks and Exhibits

- 2:50– 3:45 Plenary Session - Jurisdictional Perspective on Agriculture and Water
 - **Commissioner Thom Petersen, Minnesota Department of Agriculture**
 - **Commissioner Doug Goehring, North Dakota Department of Agriculture** (Invited)
 - **Minister Blaine Pederson– Minister of Agriculture and Resource Development**

SIMON BAKER lives in Vancouver, his father is of the Squamish and Haida nations and his Mother is Cree. Simon is an avid Lacrosse player. He is also accomplished in martial arts and has a background in Pow Wow and Haida dancing. Simon is touring the world as the Host of the show "Native Planet", a series that travels to Indigenous cultures around the world and highlights their land, culture and the universal story of all indigenous people on the planet and is currently wrapping his third three season of the show.



Tuesday, January 14 Continued

- 3:50- 4:45 **Plenary Session - Lightning Talks Success Stories**
Denys Volokv, Executive Director Association of Manitoba Municipalities
- **Mustinka River Corridor Modeling - James Guler, Moore Engineering**
 - **Community Stormwater Management - AE2S**
 - **Dunnottar Filter Project - Armand Belanger - Eastern Interlake CD**
 - **Justin Reid - LaSalle Redboine CD**
 - **Chubaty Water Retention - Ed Penner - Seine Rat River CD**
- 5 -7:30 **Social/Networking/Displays/Games**

Wednesday, January 15

- 7:30 am Breakfast Buffet
- 8:30 - 10:00 **Plenary Session - Weather and Climate Observations**
- **Greg Gust, National Weather Service**
 - **Fisaha Unduche, Manitoba Chief Flood Forecaster**
 - **Statewide Efforts to Prepare for Spring 2020, Justin Messner, ND Department of Emergency Services**
 - **Spring, Summer, Fall Flooding– Tracy Halstengard, Roseau River Watershed District**
- 10:00-10:30 Breaks and Exhibits
- 10:30- 11:45 **Breakout Sessions - Nutrient Reduction, Technology, Economics of Water Projects**

ROOM 1

Topic : Nutrient Reduction

Red River Basin Geology and its influence on nutrient mobility - Scott F. Korom

Cold Climate BMP – Jason Vanrobaeys, Agriculture and Agrifood Manitoba

Red River Trend Analysis – Rochelle Nustad, USGS

ROOM 2

Topic: Technology

Airborne Electromagnetic Surveys for Aquifers – Rex Honeyman, NDSWC

LiDAR in the Pembina Basin – Cliff Greenfield, Pembina Valley Conservation District

Nutrient Reduction in Water Bodies—Richard Groshens, IISD

ROOM 3

Topic: Economics of Water Projects

Natural Resource Enhancements in Flood Damage Reduction Projects – Providing Multiple Benefits – Erik Jones HEI

Regulating to a Higher Standard: 1:500-year Flood Hazard Mapping in Saskatchewan- Joe Waln, Barr Engineering Co.

Valuation of Ecosystem Services - Hank Venema, Strategic Communications

Wednesday, January 15 Continued

11:45-1:00	Lunch Speaker: International Joint Commission; Priorities for the Joint Commission
1:15- 2:30	Basin Student Presentations 1. Drainage Water Management Impact on Water Quality in the Red River Basin - NDSU: Kristen Almen 2. Macro-scale Grid-based Hydrologic Modeling and Drought Identification in the Red River of the North Basin Manitoba - NDSU: Mohammad Hadi Bazrkar, 3. Soaking Up the Unknown in Minnesota's Waters—Taking a Closer Look at Minnesota's Freshwater Sponges – U of M Crookston: 4. Netley Marsh Renewal, Seed bank on the Red River Bottom. University of Manitoba - Chris Adams 5. Roles of Surface Depressions in Hydrologic Processes of the Devils Lake Watershed – NDSU: Ning Wang, Xuefeng Chu
2:30 - 3:00	Break/Exhibits
3:00- 4:00	Plenary Session- "Cloudbursts"- brief updates - Models, Models, Models Equals Money, Money, Money: Why, When Where and What Type is Really Needed? - Zach Herrmann, Houston Engineering - City of Grafton Flood Risk Reduction - Kurt Lysne, Moore Engineering - Manitoba Conservation Watersheds Update - Sean Goertzen
4:00-4:45	Tile Drainage Report - Ted Preister, RRBC New Drainage Legislation- Brian Wilson, Manitoba Ag
5:30 pm	Social and Exhibits and Silent Auction
6:30 pm	Banquet Consulate Address - Eric Walsh, Director General, North American Strategy at Global Affairs Canada Consulate Address - Anthony Paglia, Consul, U.S. Consulate Winnipeg - Leadership Award - Silent Auction Winners Sponsor - Consulate General of Canada

This is a DRAFT AGENDA – Check the RRBC website for agenda updates and registration information and to get the conference App

Thursday, January 16

7:00 am	Breakfast Buffett
8:00 am	Annual Meeting
8:30-10:00	Plenary Session - Long Term Flood Solutions Update - Barr Engineering & Ted Preister, RRBC - Regional Conservation Partnership Program - Keith Weston, RRRA - One Watershed One Plan - Moriya Rufer (HEI) & Nicole Bernd (West Polk SWCD) - Shortfoot Creek RCPP - Pat Downs, Moore Engineering - FM Diversion Project
10 - 10:30	Break
10:30-11:30	Hot Topics - Winnipeg North End Treatment Plant - - ND Oil Spill – Karl Rockman, ND Department of Environmental Quality - Large-scale fish movement patterns observed in the Red River - Eva Enders, Fisheries and Oceans Canada
11:30 - 12	IJC Update
12:00	Lunch - Conference Wrap up - Prize Drawing

Conference Sponsors:

Platinum: Houston Engineering Inc. and Moore Engineering Inc.



Gold: Barr Engineering and Happy Harry's Bottle Shops

Silver: FM Area Diversion Project, HDR Engineering, KGS Group, Manitoba Pork and WSN Engineering

