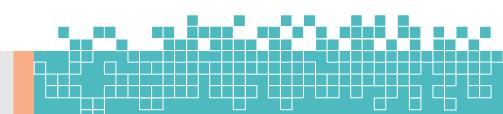
Water Resources Issues in North Dakota: Challenges and Opportunities

1st ND WRRI Special Water Resources Seminar

November 9, 2018 (Friday) Hidatsa, Memorial Union, North Dakota State University

Major Activities

11:00-12:30 PM	Social Luncheon
01:00-01:20 PM	Keynote Speaker - Steven Robinson : Hydrology Monitoring for the Future
01:20-01:40 PM	Keynote Speaker - Joel Galloway : USGS Science in North Dakota
01:40-02:00 PM	Keynote Speaker - Andrew Nygren: North Dakota State Water Commission Water Resource Challenges and Opportunities
02:00-02:20 PM	Keynote Speaker - Mike Hargiss: North Dakota Department of Health Water Quality Challenges and Opportunities
02:20-02:35 PM	Combined Q&A for Keynote Speakers
02:35-02:45 PM	Break
02:45-02:59 PM	NDWRRI Fellows Lightning Presentations – Hydrologic Modeling
15 55	Afshin Shabani: Water Quality Conservation in Mitigating Devils Lake
	Flooding
	Mohsen Tahmasebi Nasab: Development of the Macro-Scale Hydrologic
	Processes Simulator (Macro-HyProS) and Applications in the Red River
	Basin and North Dakota
03:00-03:07 PM	NDWRRI Fellows Lightning Presentations – Water Quality
	Nick Peterson: Removal of Heavy Metals from Stormwater Runoff
03:08-03:29 PM	NDWRRI Fellows Lightning Presentations – Aquatic Science and Ecological Processes
	Justin Waraniak: Landscape Genomics: Assessing Environmental Health
	through Local Adaptation and Connectivity
	Alec Lackmann: Bigmouth Buffalo in the Red River of the North Basin: endemic, underappreciated, and unexpected
	Kui Hu: A long-term Investigation of Salinity Change under a Highly
	Variable Climate in North Dakota
03:30-03:37 PM	NDWRRI Fellows Lightning Presentations – Energy and Water Resources
	Management Tong Lin: Water Resources Impacts and Management in the Bakken Region of Western North Dakota
03:38-03:45 PM	NDWRRI Fellows Lightning Presentations – Agricultural Water Management
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Ali Rashid Niaghi: Assessing various evapotranspiration measurement

methods for crop water management

03:46-03:53 PM NDWRRI Fellows Lightning Presentations – Geomorphology and Erosion

Zachary Phillips: Holocene River Planform Changes in the Red River Basin

03:53-04:05 PM Combined Q&A for All Fellow Speakers

04:05-04:35 PM Laboratory Visit

Keynote Speakers for the 1st ND WRRI Special Water Resources Seminar

Steven Robinson

Deputy Director for Data U.S. Geological Survey, Dakota Water Science Center Bismarck, North Dakota Email: smrobins@usgs.gov



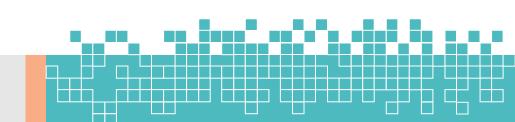
Steve Robinson has worked for the U.S. Geological Survey for over 33 years in North Dakota and Illinois and is currently the Deputy Director for Data in the USGS Dakota Water Science Center. Steve has spent those 33+ years working in the hydrologic data collection unit and has been involved in all aspects of that work. He started his career with the USGS as a student running routine field data collection duties to currently supervising over 35 staff and managing a two-state data collection unit with over 350 data collection locations. Steve has been participated in the data collection efforts for many extreme flood events as well as numerous studies during his time with the USGS.

Joel Galloway

Section Chief U.S. Geological Survey, Dakota Water Science Center Bismarck, North Dakota Email: <u>igallowa@usgs.gov</u>



Joel Galloway has worked for the U.S. Geological Survey for 25 years in North Dakota, Arkansas, South Dakota, Iowa, and Wyoming and is currently a Hydrologic Studies Chief for the USGS Dakota Water Science Center. He has a Master of Science degree in environmental/civil engineering from the South Dakota School of Mines and Technology and a Bachelor of Science degree in geology from the University of North Dakota. Joel has authored or coauthored over 40 scientific reports and journal articles on different water-quality, groundwater, and surface-water topics.



Andrew Nygren

Hydrologist
Water Appropriations, North Dakota State Water Commission
Bismarck, North Dakota
Email: anygren@nd.gov



Andrew Nygren has worked for the North Dakota State Water Commission (NDSWC) for 13 years initially as a Water Resource Engineer with the NDSWC Development Division Investigations Section, and for the past 12 years as a Hydrologist with the NDSWC Water Appropriation Division Groundwater Section. He has a Master of Science and Bachelor of Science in Geological Engineering from University of North Dakota.

Mike Hargiss

Red River Basin Coordinator North Dakota Department of Health, Division of Water Quality Fargo, North Dakota

Email: mhargiss@nd.gov



Mike Hargiss has worked for the North Dakota Department of Health for 13 years as the Red River Basin Coordinator in the Division of Water Quality. He has a Master of Science degree in Natural Resource Management from North Dakota State University.

