

MRNRC & BiOp FORUM TENTATIVE SCHEDULE (SUBJECT TO CHANGE)

MONDAY - MARCH 11, 2013

7:00 PM-10 PM SOCIAL & HEAVY HORS D'OEUVRES

TUESDAY - MARCH 12, 2013

6:30 AM-8 AM BREAKFAST

8 AM-Noon Plenary Session

Robb Jacobson - USGS - Exploring the Common Ground between Flood-risk Reduction and Ecological Restoration of Floodplains

Silvia Secchi - SIU - Integrating Biophysical and Socio-economic Analysis in Floodplain Management Decisions

Craig Anz & Elizabeth Ellison - SIU - Olive Branch Recovery and Rebuilding Initiative: Seeking Higher Ground

Jeff Opperman - TNC (not confirmed) – A Conceptual Model for Floodplain Management: Identifying Key Factors, Critical Processes, and Linkages to Provide a Sustainable Economy and Functional Ecosystem

Noon-1:20 PM LUNCH

1:20 PM-3:00 PM Concurrent Sessions

HERPS AND BEES

1:20 PM Grant, Iowa State University, Herpetofauna Use of Mitigation Wetlands in the Missouri River Floodplain in Iowa in 2012

1:40 PM VanderHam, Nebraska Cooperative Fish and Wildlife Research Unit, Using Herpetofauna Monitoring to Assess the Success of Wetland Restoration

2:00 PM Godin, Benedictine College, Amphibian and Turtle Activity on Corps Mitigated Properties in Northeastern Kansas

2:20 PM Ward, Missouri Department of Conservation, Amphibians and Turtles in Mitigated Wetlands

2:40 PM Watkins, USFWS, Bottomland Bees: A Survey of Native Bees on the Big Muddy NFWR

OUTREACH AND INFORMATION TRANSFER

1:20 PM Hill, USACE, A Race Plan for the Future: How a 340-mile Paddling Race Provides Insight to Adaptively Managing the Missouri River

1:40 PM Huber, USACE, Great Science Requires Great Data: The Usefulness of Digital Devices for Improving Data Integrity and Access

2:00 PM Smith, USFWS, MRRIC Recommendations Beyond the Banks

2:20 PM Switzer, USACE, Your Missouri River-How It's Natural Resources Benefit You!

2:40 PM Wilson, USGS Nebraska, A Summary of USGS Publications & Datasets - 2011 Missouri River Flood

3:00PM-3:30 PM BREAK

3:30 PM – 5:00 PM POSTER SESSION

Albers, University of South Dakota, Cottonwood (*Populus deltoides*) Recruitment Following the 2011 Missouri River flood

Boever, University of South Dakota, 2011 Flood Effects on Cottonwood Forest Structure on the Missouri River

Garner, Missouri Department of Conservation, Asian Carp Growth Response to the 2011 Flood

Quist, University of South Dakota, Flooding Impacts on Riverine Mesohabitats, Channel Complexity, and Habitat Turnover along the Missouri River

Henderson, Missouri Department of Conservation, Vegetation Responses to a Drought
Along a 50 mile Stretch of the Mississippi River

Alexander, USGS, Constructing a Sediment Budget for the Lower Platte River, Eastern
Nebraska

Lundstrom, USGS, Geologic Mapping of the Valley Corridor of the Missouri National
Recreational River 59 Mile Reach

Rus, USGS, Sediment Load at the Extremes: Sampling the Missouri River in 2011 and
2012

McDaniel, USFWS, Efficacy of Push Trawl for Monitoring Early Life Stages of Target
Species on the Lower Missouri River

Pherigo, Missouri Cooperative Fish and Wildlife, The Effects of River Regulation and a
Low-head Dam on the Fish Communities in two Missouri River Tributaries

Wilson, Missouri Department of Conservation- Unusual Fish Captures On The Lower
Missouri River

Bales, Missouri Department of Conservation, Age-0 Lake Sturgeon prey selectivity

Miller, USACE, Learning As We Go: Are Control Structures Limiting Access of YOY
Scaphirhynchus into Secondary Side Channels?

Wrasse, USFWS , Observations of Age-0 *Scaphirhynchus* Habitat Use Throughout Growth
During First Year of Life

Anderson, Pacific Northwest National Laboratory, The Missouri River Basin Explorer: A
Tool for Communicating Missouri River Science and Recovery Actions to
Stakeholders

Herman, USFWS, Larval Pallid Sturgeon Drift Behavior from Hatch to Swim Bladder
Inflation

Dattilo, Missouri Department of Conservation, Gillnet Capture of Pallid sturgeon

Davenport, USGS, Pallid Sturgeon Movement and Habitat Use in Lower Missouri
River

Crane, USACE, Large-scale Levee Setbacks Along the Missouri River in Iowa

6:00 PM-7 PM DINNER

7:00 PM-10 PM SOCIAL

WEDNESDAY - MARCH 13, 2013

6:30 AM-8 AM BREAKFAST

8 AM-Noon Concurrent Sessions

STURGEON AND NATIVE FISHES

8:00 AM Elliott, USGS, Pallid Sturgeon Spawning Habitat Use on the Lower Missouri
River 2008-2012

8:20 AM Braaten, USGS, Pallid Sturgeon Migrations and Reproductive Success in the
Yellowstone River, 2012

8:40 AM Papoulias, USGS, Behaviors of Pallid Free Embryos in Artificial Streams:
Implications for Survival and Distribution in Real Rivers

9:00 AM Elliott, USGS, Influence of Channel Morphology and Flow Regime on Larval
Drift of Missouri River Pallid Sturgeon

9:20 AM Hamel, University of Nebraska, Hydrologic Variability Influences Distribution
and Occurrence of Pallid Sturgeon in the Lower Platte River

9:40 AM Steffensen, Nebraska Game and Parks, Population Characteristics and a
Development of a Predictive Population Viability Model Pallid Sturgeon in the Lower
Missouri River

TERNS, PLOVERS, HYDROLOGY, & SEDIMENT

8:00 AM Anteau, USGS, Post-flood Breeding Population and Productivity of Piping Plovers on the Missouri River in North Dakota

8:20 AM Baasch, Headwaters Corporation, Platte River Recovery Implementation Program, Interior least tern and piping plover use of the central Platte River, Nebraska

8:40 AM Catlin, Virginia Tech, The Effects of Piping Plover Fledgling Condition on Lifetime Fitness: Why Fat Plovers are Better Plovers

9:00 AM Fraser, Virginia Tech, The More Things Change, The More They Stay The Same: Key Features of Plover Population Dynamics on the Missouri River

9:20 AM Friedrich, Virginia Tech, Piping Plover Mate Fidelity or Lack Thereof: What Sleeping Around Tells us about Plover Management

9:40 AM Hunt, Virginia Tech, Rags to Riches: Preliminary Post-flood Comparison of Gavins Point Piping Plover Demography to Long-term Population Estimates

10:00AM-10:20 AM BREAK

STURGEON AND NATIVE FISHES (continued)

10:20 AM Chojnacki, USGS, Riverscape Genetics of Pallid Sturgeon Propagation Efforts in the Lower Missouri River

10:40 AM Wilson, Missouri Department of Conservation, Dispersal of Stocked Pallid Sturgeon

11:00 AM Winders, Missouri Department of Conservation, Using Short-duration Trotlines to Assess Spatial Heterogeneity in Sturgeon Fish Populations

11:20 AM Meyer, USFWS, Population Characteristics and Movement of Shovelnose Sturgeon in the Lower Missouri River

11:40 AM Hupfeld, Missouri Department of Conservation, Excessive Summer Shovelnose Sturgeon Mortality and the Potential Impacts of Climate Change

TERNS, PLOVERS, HYDROLOGY, & SEDIMENT (continued)

10:20 AM Karpanty, Virginia Tech, Effects of Camera Monitoring on Least Tern Nest Success at Cape Lookout National Seashore, North Carolina: Lessons and caution to be applied on the Missouri River

10:40 AM Karpanty, Virginia Tech, Effects of the 2011 Missouri River flood on least tern nest and chick survival

11:00 AM Wiltermuth, USGS, Habitat Selection and Movement, Growth, and Fledging Rates of Piping Plover Chicks at Lake Sakakawea

11:20 AM Buenau, Pacific Northwest National Laboratory, Effects of Tradeoffs in Restoration Actions and River Flow on Long-term Adaptive Management of Least Terns and Piping Plovers

11:40 AM Bulliner, USGS, Remote Sensing of Sandbar Habitat for Interior Least Terns- Work Towards a Metapopulation Model

Noon-1:00 PM LUNCH

1 PM-5 PM Concurrent Sessions

STURGEON AND NATIVE FISHES (continued)

1:00 PM DeLonay, USGS, Sturgeon and Paddlefish Spawning and Larval Dispersal in the Lower Missouri River

1:20 PM Deslauriers, South Dakota State University, Discerning Between the Presence and Availability of Energy Sources for Juvenile Shovelnose Sturgeon in the Missouri river

1:40 PM Ostendorf, Missouri Department of Conservation, A Comparison of Habitat Use Between Life Stages of Shovelnose Sturgeon

2:00 PM Haddix, Montana Fish, Wildlife and Parks, The Missouri River Below Fort Peck Dam: The fish Are Speaking, Why Aren't We Listening?

2:20 PM Herzog, Missouri Department of Conservation, *Macrhybopsis* Chubs in the Mississippi River

2:40 PM Ridenour, USFWS, Fine-scale Distribution of *Macrhybopsis* Chubs and Age-0 *Scaphirhynchus* Sturgeon: Preliminary Data from a Pilot Habitat Study on Lower Missouri River

TERNs, PLOVERS, HYDROLOGY, & SEDIMENT (continued)

1:00 PM Catlin, Virginia Tech, Noah's Ark or the Titanic: What is the useful lifetime of a sandbar to a piping plover?

1:20 PM Upah, USACE, Update on the Study of Potential Tern & Plover Habitat Creation on the Missouri River Mainstem Reservoirs

1:40 PM Strong, USGS, Erosion of Missouri River Sandbars Created in the 2011 Flood

2:00 PM Svendsen, USACE, Geomorphic Impacts of the 2011 Flood to Emergent Sandbar Habitat Below Gavins Point

2:20 PM Bentham, USGS, Geomorphic Assessment of the Missouri River: Garrison Reach

2:40 PM Erwin, USGS, Spatial and Temporal Variability in Velocity in the Lower Missouri River

3:00PM-3:20 PM BREAK

STURGEON AND NATIVE FISHES (continued)

3:20 PM Hogberg, University of Nebraska, Comparison of Flathead Catfish Diet in the Middle Missouri River, Nebraska during High and Low Water Years

3:40 PM Meyer, USFWS, Influence of Flow Regime on Condition of Native Fluvial Specialists in the Lower Missouri River

4:00 PM Tripp, Missouri Department of Conservation, Fish Movement Patterns in the Mississippi River Basin Revealed Using Multiple Techniques

4:20 PM Wilhelm, Nebraska Game and Parks, Fish Communities in the Missouri River Floodplain Lakes after the 2011 Flood

4:40 PM Huenemann, Nebraska Game and Parks Commission, Post-Flood Assessment of the Fish Community in the Upper Channelized Missouri River

TERNs, PLOVERS, HYDROLOGY, & SEDIMENT (continued)

3:20 PM Morris, USACE, Nutrient Concentrations in Accreted and Non-accreted floodplain soils of the Lower Missouri River

3:40 PM Kelly, USGS, The Effect of River Bed Degradation on Groundwater Flow in the Missouri River Alluvial Aquifer - Atchinson, Kansas to Napoleon, Missouri

4:00 PM Shelley, USACE, Missouri River Bed Degradation Modeling

4:20 PM Zhang and Wu, Argonne National Lab, SWAT Model Development, Calibration and Validation for the Missouri River Basin

4:40 PM Struckhoff, USGS, Distribution Patterns for Wetness and Soil Drainage Classes of the Landcapability Potential Index on the Lower Missouri River

6:00 PM-7 PM DINNER

7:00 PM-10 PM SOCIAL

THURSDAY - MARCH 14, 2013

6:30 AM-8 AM BREAKFAST

8 AM-Noon Concurrent Sessions (ONLY 1 SESSION SCHEDULED THUS FAR)

WATER QUALITY, SHALLOW WATER HABITAT, & FLOOD EFFECTS

8:00 AM Swanson, USGS, The USGS Midwest Region River Sediments and Nutrients Initiative

8:20 AM Blevins, USGS, Pre- and Post-impoundment Nitrogen in the Lower Missouri River

8:40 AM Sobotka, Missouri Department of Conservation, A Piece of the River Habitat Mosaic: Side Channel Water Quality

9:00 AM Gossenauer/Pridal, USACE, 2013 Shallow Water Habitat Construction and Design Efforts, Kansas City and Omaha District

9:20 AM Pridal, USACE, Engineering Analysis and Design in Response to 2011 Flood Shallow Water Impacts, Omaha District

9:40 AM Roberts, USACE, Dike Notching and Shallow Water Habitat Creation in the Lower Missouri River

10:00AM-10:20 AM BREAK

WATER QUALITY, SHALLOW WATER HABITAT, & FLOOD EFFECTS (continued)

10:20 AM Dixon, University of South Dakota, Impacts of the 2011 Flood on Cottonwood Forests along Unchannelized Segments of the Missouri River

10:40 AM Carlson, South Dakota State University, Rapid Response to a Catastrophic Flood: Effects of Fish Communities and Aquatic Habitat in Missouri River Reservoirs

11:00 AM Densmore, USGS, USGS Monitoring of Bridge, Pipelines, and Other Critical Infrastructure with hydrographic surveys during the 2011 Missouri River Flood

11:20 AM Niswonger, Missouri Department of Conservation, Fish production in tributary streams during a flood year

11:40 AM Phelps, Missouri Department of Conservation, Temporary connectivity: a comparison of the New Madrid Floodway and the adjacent main river

Noon-ADJOURN