



Habitat Rehabilitation and Enhancement Projects Team Meeting

Hotel Blackhawk, Davenport, IA

September 27-29, 2016

Meeting Purpose

Restoring habitat is one of two major focus areas of the Upper Mississippi River Restoration (UMRR) Program. Habitat rehabilitation and enhancement projects (HREPs) utilizes a wide range of construction techniques and approaches that mimic natural river processes and provide benefits to the river system at the system, reach, pool, and local scales. The purpose of this meeting is to bring individuals together who help plan, design, build, operate, maintain and monitor these projects such that lessons learned and new techniques can be shared.

Meeting Objectives

- Build relationships and facilitate dialogue among UMRR's restoration practitioners, planners, engineers, and scientists
- Discuss insights gained about project design, construction, monitoring, and OMRR&R
- Strengthen UMRR's restoration efforts by learning from insights gained as discussed above

Day One – September 27

- 12:00 noon** **Welcome and Introductions**
- 12:10 p.m.** **UMRR: Program Development and History**
– Marvin Hubbell, USACE
- 12:30** **Partner Agency/Organization Overviews and HREP-Related Priorities and Perspectives**
– Representatives from USFWS, USGS, Illinois, Iowa, Minnesota, Missouri, Wisconsin, UMRBA, The Nature Conservancy, and Audubon
- 1:30** **HREP Highlights**
– Tom Novak, Kara Mitvalsky, and Brian Markert, USACE
- 3:00** **Break**
- 3:20** **Feasibility to Closeout, the Corps Planning Process**
– Marshall Plumley, USACE
- 3:50** **Fish and Wildlife Considerations in Project Development and Implementation**
– Kraig McPeck and Tim Yager, USFWS
- 4:30** **Floodplain Permit Considerations During Design**
– Toby Hunemuller, USACE
- 5:00 p.m.** **Adjourn for the Day**

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Day Two – September 28

- 8:00 a.m. Welcome and Announcements**
– Marvin Hubbell, USACE
- 8:05 Applying Ecological Resilience Concepts to the Restoration and Management of the UMRS**
– Kristen Bouska, USGS
- 8:30 Climate Change Analysis**
– Lucie Sawyer, USACE
- 9:00 Floodplain Forest Enhancement**
– Tree Plantings: Successes, Limitation and Techniques Ben Vandermyde, USACE
– Inventory and Analysis of Floodplain Forest Conditions Andy Meier, USACE
– Development of Stand Prescriptions for Forest Management Robert Cosgriff, USACE
– Landscape Level Data Summaries Nate De Jager, USGS
– Floodplain Forest: How to Get it Done Mike Griffin, Iowa DNR
- 10:30 Break**
- 10:45 Backwater Sedimentation Rates**
– Jim Rogala, USGS
- 11:10 Ecosystem Dredging**
– Randy Kinney, USACE
- 11:30 Lunch** (*Boxed lunches will be available for purchase of \$10.*)
- 12:30 p.m. Construction Considerations**
– Scott Baker, Kara Mitvalsky, and Greg Bertoglio, USACE
- 1:30 Hydraulic Connectivity**
– Jon Hendrickson, USACE; Kirk Hansen, Iowa DNR; Jeff Janvrin, Wisconsin DNR; Jim Rogala, USGS
- 3:00 Break**
- 3:20 Water Level Management**
– Joe Jordan, USACE
- 3:40 Pump Design for Habitat Projects**
– John Behrens, USACE
- 4:00 Typical O&M on a Refuge**
– Sharonne Baylor, USFWS
- 4:40 O&M Status and Funding**
– Marvin Hubbell, USACE
- 5:00 p.m. Adjourn for the Day**

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Day Three – September 29

- 8:00 a.m. Welcome and Announcements**
– Marvin Hubbell, USACE
- 8:10 Monitoring: Why? What is Appropriate? Adaptive Management vs Project Evaluations**
– Marvin Hubbell, USACE
- 8:30 LTRM 101**
– Jeff Houser, USGS
- 9:00 HREP Performance Monitoring Today**
– Kara Mitvalsky, Kat McCain, and Dave Potter, USACE
- 9:45 Break Out Sessions**
– [Instructions are included as an attachment to this agenda as a read ahead. Sharonne Baylor, USFWS, will also provide instructions at the meeting.]
- 10:45 Facilitated Discussion**
- 12:15 p.m. Meeting Summary and Next Steps**
– Marvin Hubbell, USACE
- 12:30 p.m. Adjourn**