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**CESU Final Report Summary for  
Support for the UMRS Navigation and Ecosystem Sustainability Program Science Panel  
W912HZ-11-2-0011**

**Purpose:**

This report summarizes the contributions of Dr. David Galat, Adjunct Associate Professor, Department of Fisheries and Wildlife Sciences, University of Missouri ) in support of the Science Panel for the Upper Mississippi River System (UMRS) – Illinois Waterway (IWW) Navigation and Ecosystem Sustainability Program (NESP). Dr. Galat’s task as a member of the Science Panel has been to provide expertise on how environmental factors influence structure and function of the UMRS. He applied his adaptive management and river restoration experience to aid developing conceptual model(s), uncertainties and opportunities for restoring secondary channels, monitoring, and adaptive management on the UMRS. He also contributed to developing guidelines for applying objective science within an adaptive management framework to river restoration programs.

**Location:** Upper Mississippi River System-Illinois Waterway

**Methods:** Report addresses Dr. Galat’s work relative to web meetings, adaptive management plans, and meetings/workshops.

**Results:** Participated in 29 October 2010 and 21 January 2011 web meetings where Dr. Galat reviewed agendas, contributed to meeting topics, and reviewed draft minutes for accuracy. Dr. Galat reviewed and provided written comments on System Objectives Report, Draft Chapter 7: Adaptive Ecosystem Management. He helped develop the agenda, design workshop components and organize schedule for 2nd Secondary Channel Restoration. Dr. Galat participated as a NESP Science Panel member and facilitated one sub-group of a workshop entitled “Side Channels of the Impounded and Middle Mississippi River: Opportunities and Challenges to Maximize the Restoration Potential of a Common Environmental Management Action held in Cape Girardeau, MO from 9-13 January of 2011.

**Researchers:** Dr. David Galat, University of Missouri

**Prepared For:** USACE

**CESU:** Great Rivers