ENV Report 6 - ***Upper Mississippi River Navigation and Sedimentation Field Data Collection Summary Report*** by Timothy L. Fagerburg and Thad C. Pratt

ABSTRACT

The overall field data collection program is to provide a hydrodynamic and hydrologic monitoring program with emphasis on obtaining information including bathymetry at monitoring stations, currents, water levels, suspended-sediment concentrations, wind velocity, and concurrent navigation data. These parameters will be used in the evaluation of controlling landscape features, ecosystem stability, river morphology, and sediment-transport characterization in three study areas located in the Upper Mississippi River and Illinois Waterway (UMR-IWW) system. The areas of interest are located in Pool 26 and Pool 8 on the Mississippi River and La Grange Pool on the Illinois River. These data are then to be used in the hydrodynamic and sediment-transport modeling efforts to provide the necessary boundary conditions, initial conditions, and verification data for comprehensive numerical simulations.