

**ENV Report 13 - *Methodologies Employed for Bathymetric Mapping and Sediment Characterization as Part of the Upper Mississippi River System Navigation Feasibility Study*** by James T. Rogala

**ABSTRACT**

Bathymetric mapping and sediment characterization were completed to meet the needs of various modeling components of the Upper Mississippi River-Illinois Waterway System Navigation Study. The methodologies used to meet the modeling needs at several spatial scales are documented as supporting information for the modeling activities. Methods reported include bathymetric map generation, bathymetric surveys along transects, laboratory analysis of sediment characteristics, and visual classification of sediments. The documentation of these methods is designed to meet only the general needs of data users. Details adequate for use as standard operating procedures are not included in this methods document.