

**ENV Report 7 - *Site-Specific Habitat Assessment*** by Richard Fristik, Scott K. Estergard and Brian L. Johnson

**ABSTRACT**

The objective of the site-specific analyses was to evaluate potential impacts of the proposed construction measures at lock and dams (L/Ds) on the Upper Mississippi River and Illinois Waterway System. These are L/Ds 11-25 on the Mississippi River, and Lockport, Brandon Road, Dresden Island, Marseilles, Starved Rock, Peoria, and La Grange on the Illinois Waterway. The primary purpose was to assist the study team in formulating a recommended plan by providing quantitative measure or qualitative evaluation of environmental impacts and estimated habitat replacement costs. These analyses will also identify possible alternatives that avoid and minimize impacts or provide opportunities for restoration. Detailed analysis of site-specific impacts, based on any recommended/-authorized measures, will not be possible until detailed design information for those measures is available. The quantitative evaluation (at those locks and dams lower on the system) was accomplished using the Habitat Evaluation Procedures (HEP), while a qualitative evaluation was made at the remaining locks and dams and through evaluation of potential endangered species impacts, socio-economic impacts, and mussel surveys.