August 7, 2003

STATUS REPORT

These status sheets describe projects and programs that are being implemented in the Red River Basin that assis in carrying out the mission of the Red River Basin Commission.

Project/Program: COE FEASIBILITY STUDY

Project Sponsor: US Army Corp of Engineers
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Project Summary:
Based on initial coordination with potential sponsors and other stakeholders, potential end-products of the FMUSFS could include (a) development of analytical modeling tools, (b) screening of flood damage reduction and natural resource restoration alternatives, (c) detailed design of selected measures, and (d) preparation of an integrated watershed management plan. The FMUSFS cost will depend on the final scope, which may change based on non-Federal priorities and ability to cost share. Potential non-Federal sponsors and cost-sharing partners include the North Dakota State Water Commission, Red River Joint Water Resource Board, Cities of Fargo and Moorhead, Bois de Sioux Watershed District, Richland County (ND), the Richland County Water Resource Board, and Buffalo-Red River Watershed District.

The specific tools to be created will be compatible with the Red River GIS and include:? HEC-RAS hydraulic unsteady flow main stem model from Wahpeton-Breckenridge to Fargo-Moorhead linked to existing unsteady flow models for the Bois de Sioux, Ottertail, and Wild Rice (ND) Rivers to assess effects on stages from measures that affect tributary inflows and main stem flows.? Water quality model upstream of Fargo-Moorhead to provide input for ecosystem restoration features.? Economic damage model for the Bois de Sioux, Ottertail, and Wild Rice Rivers and main stem Red River between Wahpeton-Breckenridge and Fargo-Moorhead.

The FMUS will make use of these tools and results of other field investigations to conduct the following planning analyses: ? Conduct a preliminary analysis of several potential features.? Prepare detailed designs for the most promising features and determine costs and economic and environmental benefits of the multi-feature proposal to determine project justification. Integrate local watershed management planning for the study area.