Admin #281

US Army Corps of Engineers
New England District
BUILDING STRONG®

MENU

PROJECTS

Upper Merrimack River Watershed Assessment Study

Executive Summary

The Upper Merrimack River Watershed Assessment Study is a jointly funded effort between federal, state and local communities, most notably the New Hampshire Department of Environmental Services, the U. S. Army Corps of Engineers New England District, and the Environmental Protection Agency (which is providing technical assistance). This study is authorized by Section 729 of Water Resources Development Act (WRDA) of 1986 entitled "Study of Water Resources Needs of River Basins and Regions" as amended by Section 202 of WRDA 2000 and by Section 437 of WRDA 2000 entitled "Merrimack River Basin, Massachusetts and New Hampshire."

The Merrimack River is 116-miles long and formed by the confluence of the Pemigewasset and Winnipesauke Rivers at Franklin, N.H., and discharges to the Atlantic Ocean near Newburyport, Mass. The Merrimack has a total drainage area of 5,010 square miles with three quarters of the watershed in N.H., and one quarter in Mass. This study is from Lincoln, N.H., to the border with Mass. Six dams are included in the study area: Ayers Island Dam, Franklin Falls Dam, Eastman Falls Dam, Garvins Falls Dam, Hooksett Dam, and Amoskeag Dam.

Downstream of Franklin Falls Dam on the Pemigewasset River.

The Pemigewasset River (pictured) is a major tributary Merrimack River Basin.

The study includes sampling and analysis of water quality and river flows and watershed and river modeling. Computer simulation models developed for this study are based on the existing models developed for the Lower Merrimack River Study. The three major components of the model will include:

- Nonpoint Source Hydrologic and Water Quality Modeling
- River Hydraulics Modeling
- In-Stream Water Quality Modeling

Modeling will incorporate the watershed with more detailed modeling in the river reaches and impoundments from Lincoln to Manchester including, as appropriate, the Winnipesauke watershed. Information developed from these assessments will be used to guide future water resource management decisions.

For more information, please contact the Project Manager, by e-mail.

You need Adobe Acrobat® Reader® to view PDF files. Get Adobe Reader Download the free Acrobat Reader.

696 Virginia Road, Concord, MA 01742-2751 General Phone: 978-318-8111