



**US Army Corps
of Engineers**
St. Paul District

Information Paper

Flood Plain Management Services (FPMS)



The picture above shows spring flood flow over the emergency spillway at Lac qui Parle Dam on the Minnesota River.

Contact

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Description

The Flood Plain Management Services program (FPMS) is authorized by Section 206 of the 1960 Flood Control Act (Public Law 86-645), as amended. The U.S. Army Corps of Engineers developed the Flood Plain Management Services program specifically to address the needs of people who live and work in floodplain. This is a program to educate these individuals on flood hazards, and the actions they can take to reduce property damage and prevent the loss of life. The program’s objective is to foster public understanding of the options for dealing with flood hazards and to promote prudent use and management of the nation’s floodplains.

Typical Types of Studies

The FPMS program provides the full range of technical services and planning guidance that is needed to support effective floodplain management. The most common types of studies are floodplain delineation, flood hazard evaluation, dam break analysis, hurricane evacuation, flood warning/preparedness, regulatory floodway analysis, comprehensive floodplain management, flood risk reduction, urbanization impacts, storm water management, flood proofing and inventory of flood-prone structures. The program also provides assistance for conducting workshops and seminars on nonstructural floodplain management measures such as flood proofing.

Status

The Souris hydrology and hydraulic study was requested by the North Dakota State Water Commission in response to the record flood of 2011. FY16 marks the fifth year of the ND study, with the purpose of eliminating numerous knowledge gaps brought to light by the 2011 flood. The Upper Mississippi Regional Discharge-Frequency study was requested by the Minnesota Department of Natural Resources (MNDNR). The study was completed in FY15, with follow-on work as recommended. There are three other ongoing FPMS hydrology studies requested by the MNDNR and initiated in FY14: Cannon River, Kettle/Upper St. Croix Rivers, and the South Fork of the Crow River. There are studies to be initiated for La Crosse and Lake Wausau in Wisconsin in FY17.

Funding

Upon request, program services are provided without charge to state, regional and local governments; federally recognized Native American Tribes; and other non-Federal public agencies. Entities may provide voluntary contributions toward requested services to expand the scope or accelerate the provision of these services. Program services are also offered to non-water resource Federal agencies and the private sector on a 100 percent cost recovery basis, paid before services are provided.

Current Studies and Projects

Minnesota

Upper Mississippi River Regional Discharge-Frequency Study:
Estimated study cost \$ 410,000
Funding to date \$ 355,000

Ongoing Studies (Cannon, Kettle/Upper St. Croix, and South Fork Crow Rivers):
Estimated study cost \$ 500,000
Funding to date \$ 300,000

North Dakota

Souris (Mouse) River Hydrology and Hydraulics Study:
Estimated study cost \$1,315,000
Funding to date \$ 870,000

Wisconsin

Lake Wausau Hydro Model \$ 50,000
La Crosse TBD