



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

# Information Paper

## Flood Plain Management Services: Minnesota



*Spring flood flow over the emergency spillway at Lac qui Parle Dam on the Minnesota River.*

### Contact

Terry R. Zien, Program Manager  
(651) 290-5714  
[terry.r.zien@usace.army.mil](mailto:terry.r.zien@usace.army.mil)

### Purpose

This program is to educate individuals who live and work in floodplains 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.

### Location

Projects in the Flood Plain Management Services (FPMS) program occur throughout Minnesota.

### Description

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 and 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

*Upper Mississippi River Regional Discharge-Frequency Study:*

- The last task for the Mississippi River at St. Paul will be completed in fiscal year 2020.

*Cannon River:*

- Snow melt analysis will be completed in fiscal year 2020.

*Kettle River/Upper St. Croix River:*

- Kettle River and Skunk Creek hydraulic analysis is complete.
- Elevation-Frequency curve at Taylors Falls/St. Croix Falls is complete (St. Croix River).
- Solon Springs/Gordon (upper St. Croix River) hydrologic and hydraulic analyses in progress.

*South Fork of the Crow River:*

- Hydraulic modeling is complete, flood inundation mapping has been coordinated with the Minnesota Department of Natural Resources (MNDNR), U.S. Geological Survey and the National Weather Service.

The latter three studies have additional work requests from the MNDNR and other potential studies are in discussion.

### Authority

The Flood Plain Management Services program is authorized by Section 206 of the Flood Control Act of 1960 (PL 86-645), as amended.

### Funding

*Upper Mississippi River Regional Discharge-Frequency Study:*

|                      |           |
|----------------------|-----------|
| Estimated Study Cost | \$398,000 |
| Funding to Date      | \$398,000 |

*Cannon River:*

|                      |           |
|----------------------|-----------|
| Estimated Study Cost | \$250,000 |
| Funding to Date      | \$141,000 |

*Kettle River/Upper St. Croix River:*

|                      |           |
|----------------------|-----------|
| Estimated Study Cost | \$425,000 |
| Funding to Date      | \$316,000 |

*South Fork of the Crow River:*

|                      |           |
|----------------------|-----------|
| Estimated Study Cost | \$300,000 |
| Funding to Date      | \$175,000 |