



US Army Corps of Engineers®
St. Paul District

Information Paper

Flood Plain Management Services: North Dakota



Souris River at Verendrye, North Dakota.

Contact

Terry R. Zien, Program Manager
(651) 290-5714

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 North Dakota.

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

The Souris hydrology and hydraulic study was requested by the North Dakota State Water Commission in response to the record flood of 2011. The FPMS program was used to fund field surveys, hydrology models of the Souris and Des Lacs watersheds and numerous hydraulic model developments from the Canadian reservoirs in Saskatchewan to the downstream border at Manitoba. These funds were leveraged with other studies by the North Dakota State Water Commission, the Souris River Joint Board, Federal Emergency Management Agency and the Silver Jackets Program. There is sponsor interest in other studies for fiscal year 2021 and beyond.

FY 2020:

- Complete hydrologic and hydraulic models for Little Deep Creek in Ward County to address chronic road overflow damage and culvert washout issues.

FY 2021:

- Update discharge-frequency curves for the Sherwood and Westhope river gages.
- Red River of the North Gage datum conversion.

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

Souris River Corridor Projects:

Estimated Study Cost	\$400,000
Funding to Date	\$295,000

Red River of the North Gage Datum Conversion:

Estimated Study Cost	\$500,000
Funding to Date (Through Silver Jackets)	\$100,000