



US Army Corps
of Engineers
Louisville District

Floodplain Management Services (FPMS)

PURPOSE: People that live and work in the flood plain need to know about the flood hazard and the actions that they can take to reduce property damage and to prevent the loss of life caused by flooding. The Flood Plain Management Services Program, known as FPMS, was developed by the Corps of Engineers specifically to foster public understanding of the options for dealing with flood hazards and to promote prudent use and management of the Nation's flood plains. Section 206 of the Flood Control Act of 1960 (PL 86-645), as amended, authorizes the U.S. Army Corps of Engineers to provide technical assistance to identify the magnitude of flood hazards and plan for wise use of floodplains.

TYPES OF ASSISTANCE AVAILABLE: A wide range of technical services and planning guidance on floods and floodplain issues are available under this program. The following list describes various types of work that can be done under FPMS:

1) Flood Damage Mitigation Study: A study of flooding problems within a community with recommendations of measures to alleviate flooding or reduce damages.	8) Elevation Reference Mark Database: This could include reference elevations for community planning purposes or for use by individuals.
2) Flood Warning or Preparedness Study: This may include a report or the design of a warning system and emergency evacuation plan based on river stages and rates of rise.	9) Flood Control Planning Database: A state-wide inventory of all flood control structures and specific information about each.
3) Stormwater Management Study: Analysis of flooding problems caused by inadequate stormwater drainage and recommend improvements.	10) Urbanization Analysis: This could look at the effects of watershed development on flood flows and floodplain boundaries. This may be used by a community to set development policy.
4) Special Flood Hazard Information Report: Delineate the 100-year or other frequency floodplain and/or floodway. A local community could submit this report to FEMA to extend or revise FIS floodplains.	11) Dam Failure Analysis: Model and prepare maps showing the effects of a dam failure using a 3-dimensional flow model.
5) GIS Floodplain Maps: Mapping of floodplains using Geographic Information System.	12) HEC-1 and HEC-2 Workshops: Conduct Workshops on HEC-1 (hydrologic) and HEC-2 (stream profile) computer models.
6) Floodplain Delineation/Inundation Maps: Showing areas flooded at various river stages. This could be used for emergency planning or to set floodplain development policies.	13) Floodproofing Workshops: Conduct workshops on floodproofing methods for existing buildings located in floodplains.

7) Community Flood Zone Database: This could contain flood zone information of properties and structures located within designated floodplains.

14) Community Rating System Support: Assistance in qualifying for and preparing applications for FEMA's Community Rating System. This may include several of the above items as well as design of floodproofing for repetitive loss structures.

PROCESS AND FUNDING: The program develops or interprets site-specific data on obstructions to flood flows, flood formation and timing; flood depths or stages; flood-water velocities; and the extent, duration, and frequency of flooding. It also provides information on natural and cultural flood plain resources of note, and flood loss potentials before and after the use of flood plain management measures. On a larger scale, the program provides assistance and guidance in the form of "Special Studies" on all aspects of flood plain management planning including the possible impacts of off-flood plain land use changes on the physical, socio-economic, and environmental conditions of the flood plain. This can range from helping a community identify present or future flood plain areas and related problems, to a broad assessment of which of the various remedial measures may be effectively used.

State and local governments can receive technical assistance free of charge. Requests are funded in the order in which they are received, subject to the availability of funds. Program services are also offered to non-water resource Federal agencies and to the private sector on a 100% cost recovery basis. For most of these requests, payment is required before services are provided. In an effort to reduce costs to the general public and to assure continued community interest, the Corps encourages the involvement of requestors. Local communities can participate by supplying field data, maps, or historic flood information.

All requestors are encouraged to furnish available field survey data, maps, historical flood information and the like, to help reduce the cost of services.

REQUESTS FOR ASSISTANCE: Requests for assistance should be submitted in the form of a Letter of Intent from a state or local government agency to U.S. Army Corps of Engineers, Louisville District. Samples are available upon request and should be mailed to **U.S. Army Corps of Engineers, Louisville District, Attn: Chief, Planning Branch, P.O. Box 59, Louisville, KY 40201**. After receipt of a written request, the Louisville District will contact the applicant by telephone and discuss particulars of the problem and of continuing the process.

FOR MORE INFORMATION: If you need more information, you may contact the Louisville District Outreach Coordinator:
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