Floodplain Management Association

Flood storage/fringe zone • Flood plain limits • Floodway limits • Roadway • City park soccer fields • Bridge • Farming areas • Ordinary flow channel • Forest • Housing development • Shopping center
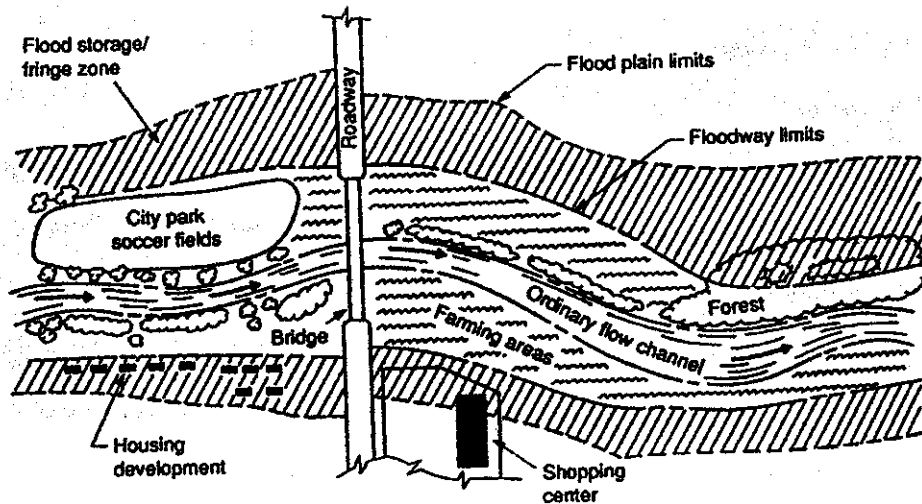
Conference Proceedings

"Watershed Management and Planning – A Broader Approach to Floodplain Management"
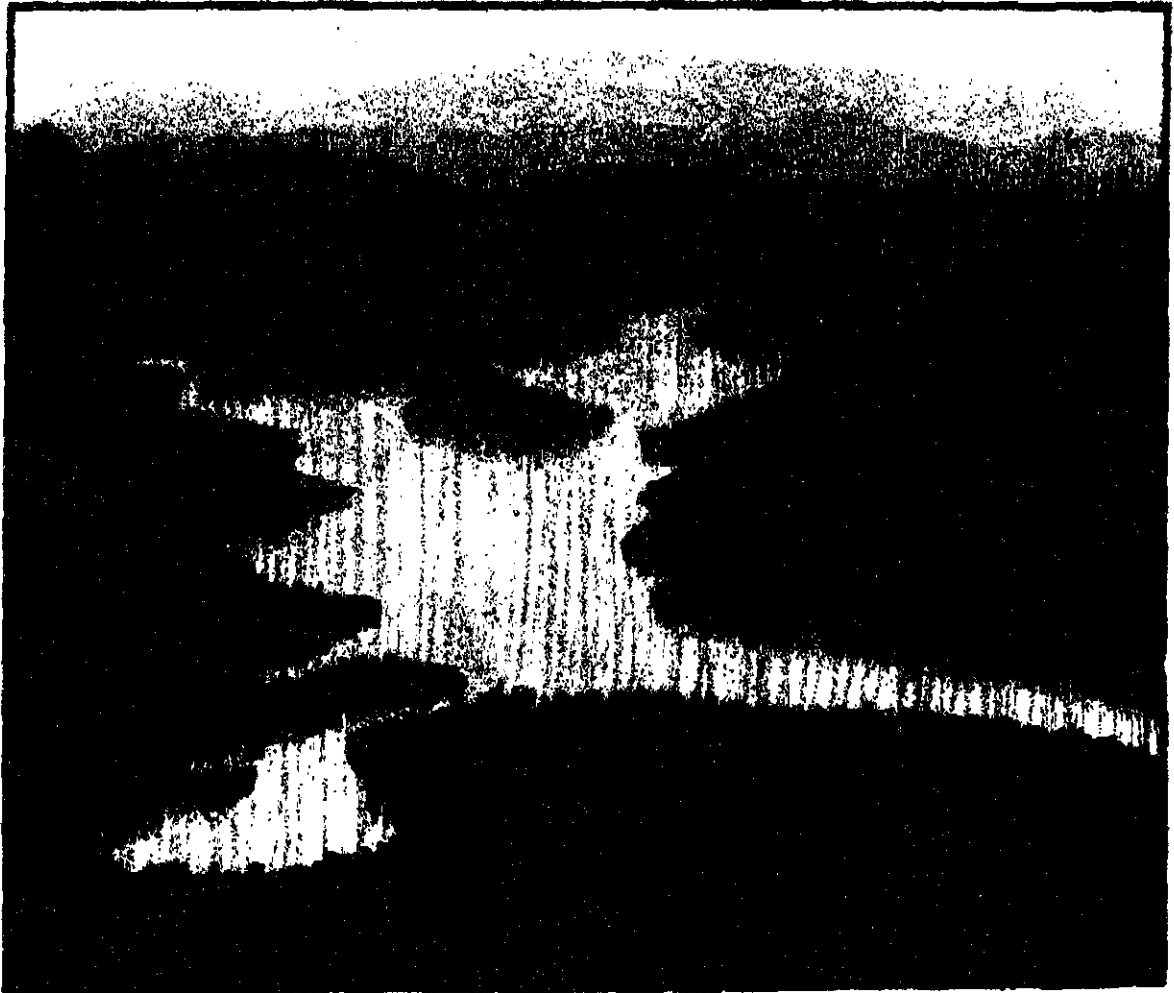
Sept. 28 – Oct. 1, 1999

Sacramento, CA

Holiday Inn Capitol Plaza

A Diffusion Hydrodynamic Model

U.S. Geological Survey
Water-Resources Investigations Report 87-4137

Diffusion Hydrodynamic Model (DHM)

T.V. Hromadka II, Ph.D., Ph.D., PE, PH

The Diffusion Hydrodynamic Model (DHM) is a non-proprietary hydrology program developed for the USGS by Ted Hromadka II in 1987 (USGS Report 87-4137). In this seminar, Ted will discuss 2-D topographic flow modeling, diffusion modeling, how to use the model, and sample case studies. Attendees will receive a copy of USGS Report 87-4137, information on how to prepare data for the DHM, and the **DHM source code, program executable code, and an upfront loader on a floppy diskette.**

What you will learn:

1. 2-D topographic flow modeling
2. Diffusion modeling
3. DHM (USGS Report 87-4137)
4. How to use the model
5. Sample Case Studies

What you will get:

1. USGS Report 87- 4137
2. Information on how to prepare data for the DHM
3. The DHM source code, program executable code, and an upfront loader on a floppy diskette