
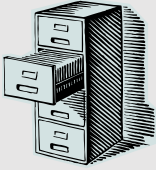


LOCAL FLOOD DATA MANAGEMENT


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Agenda




- Introduction
- Author Background
- Flood Study/Map Change Data
- FS/MR Data Sources
- Local Flood Data Management

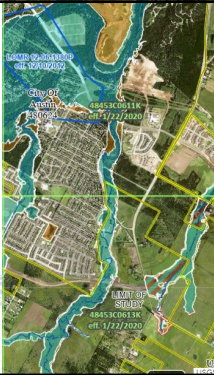


Abstract

FEMA prepares a Flood Information Study and associated mapping and models. Consultants prepare CLOMR and LOMR submittals to modify the effective models and maps. But what happens to all that data? FEMA maintains a library and GIS websites where data can be requested and downloaded, often for a fee. But what happens to that data on the local Floodplain Administrator level? Especially where the FPA is not an engineer. This presentation will discuss my opinion, based on 45+ years of experience on both the public and private side, on ways to locally manage that data. The goal is to provide the means to benefit the community, developers, and consultants with a local database of flood data.



INTRODUCTION




Every FEMA Map has a Level of Flood Study

Every CLOMR and/or LOMR Requires a Flood Study

Where does that Data Go?

When Changing A Map, Where Does One Get Baseline (Effective) Data?

Open Discussion Encouraged



AUTHOR BACKGROUND



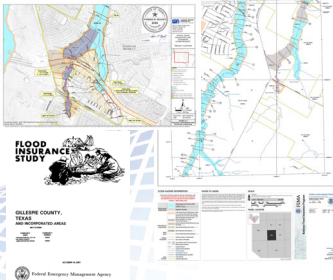


- Opinions are Mine Based on Experience
- 50 Years as Civil Engineer
- 45 Years as P. E.
- 22 Years as National CFM
- 15 Years Diplomat, Water Resources Engineers
- 47 Years in Water Resources (FEMA is 44 years old)

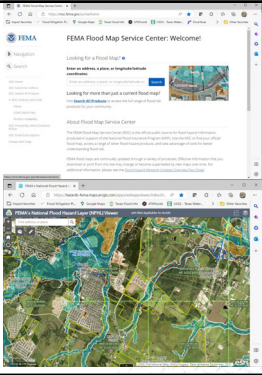
- Community Experience:
 - City of Austin; Watershed Section, Engineering Dept
- County Experience:
 - Lee County, FL; Natural Resources Dept.
- Federal Experience:
 - US E.P.A. Region 6; NPDES & Industrial Pretreatment Program
- Consultant – 36 years
 - San Antonio River – Mission Reach
 - New Orleans HSDRRS (Post Katrina)
 - Austin Waller Creek Tunnel



FLOOD STUDY/MAP CHANGE DATA

- Flood Studies Prepared For
 - FEMA
 - Community/County/Regional/State (maybe)
 - Project with Map Revision
- Responsibility For Keeping Data
 - FEMA ; All Data
 - Community/County/Regional/State (maybe)
 - Consultant (maybe)
- The OLDER the Map/Study, the Greater the Data Problem
 - Example: Fredericksburg, FIS 2001, HEC-2 Model 1979

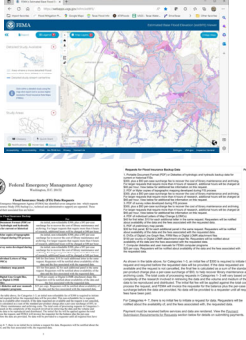



FS/MR DATA SOURCES - FEMA

- Flood Map Service Center
 - Old maps – PDF/TIF
 - Newest Maps – Digital Database
 - Flood Insurance Study
 - LOMCs – Separate File; Letter Only
 - No Models Here
- National Flood Hazard Layer
 - Physical Mapping Information
 - No Models



FS/MR DATA SOURCES - FEMA

- Estimated BLE Viewer
 - Some Detailed Study Models Available
 - Valuable even if No Detailed Study
- FEMA Library
 - All Study/Map Revision Data & Models (maybe)
 - Initial Detailed Studies & LOMR Models Filed Separately
 - [Submit Request & Fee](#)
 - [Fee Payment Before & After Search](#)

FS/MR DATA – OTHER SOURCES

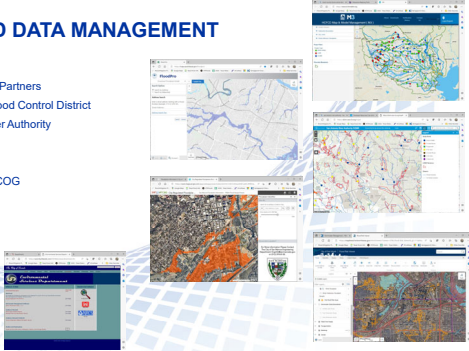

- Texas Water Development Board
 - 15 Regions, Priority Mapping Projects
 - Coming, but not yet
- Local/Regional
 - Floodplain Administrator must have copies of Maps, not necessarily models/digital data
 - FA Review & Sign off Map Revisions – Files
 - Project Sponsor/Developer/Consultant Files
- [The Case for Local Flood Data Management](#)
 - Readily Available
 - No Cost?
 - Familiarity with Location

LOCAL FLOOD DATA MANAGEMENT

EXAMPLES:

- Cooperating Technical Partners
 - Harris County Flood Control District
 - San Antonio River Authority
 - City of Austin
- Others
 - Fort Worth/NCTCOG
 - San Marcos
 - Laredo

DISCUSSION – LFDM in Your Community

- Why is It Important for the Community/Authority?
 - Know History of Floodplain Studies/Modifications
 - Readily available to Assist Consultants
 - Helps to Manage Community Growth
- Why is It Important for Consultants?
 - Readily Available to Start Projects without Delays
 - No Fees (in most cases)
 - Can Help FPA to better understand models
- What Format? What Data?




Questions

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