

Tools for Local Floodplain Managers

MAFSM Conference

Kevin G. Wagner, CFM October 22, 2009





Agenda

- Going Digital
- FEMA Map Service Center
- FIRMette
- National Flood Hazard Layer (NFHL)
- Additional Resources





Going Digital

- Effective October 1, 2009, distribution of paper maps and studies ended
- Community still receives paper LOMCs
- FEMA Map Service Center www.msc.fema.gov
- What "rights" do you have?

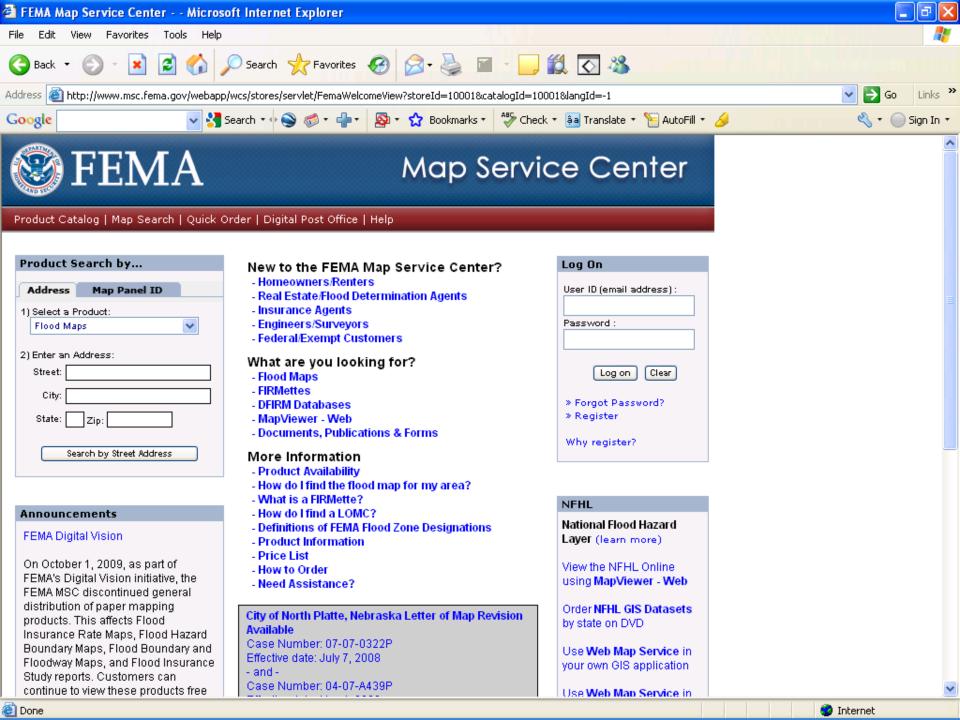


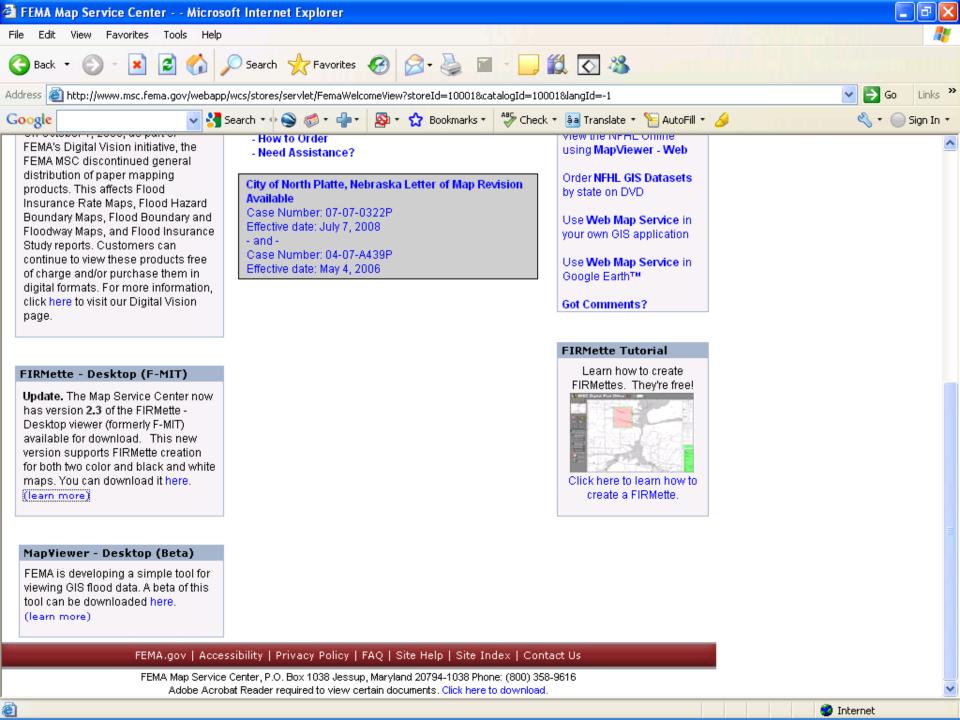


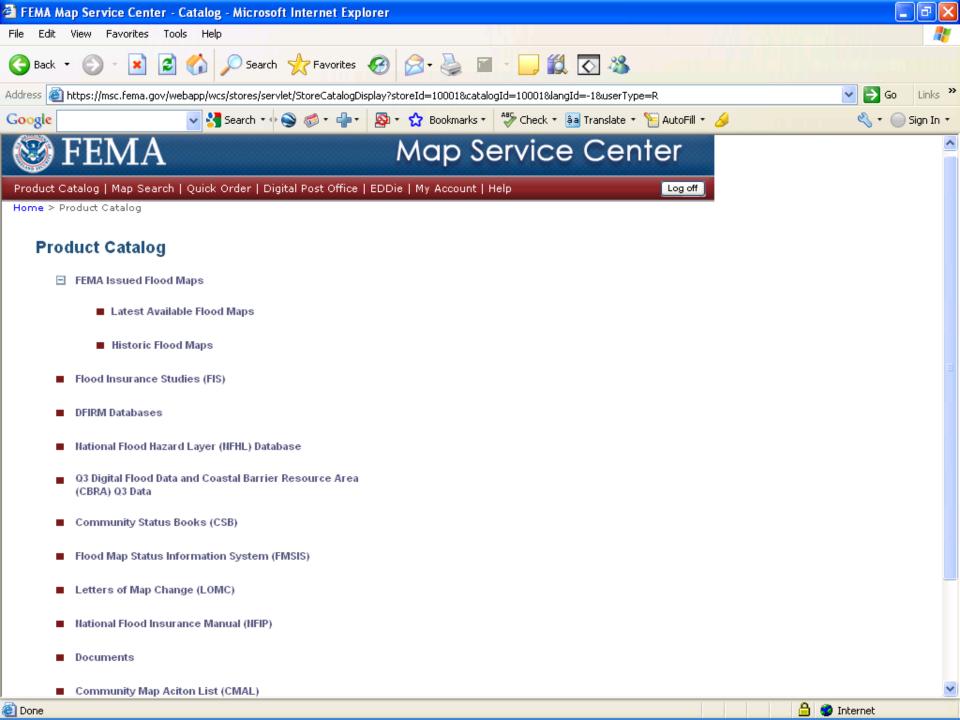
Map Service Center (MSC)

- Register
- Product Catalog
- Digital Post Office
- Express Document Delivery (EDDie)
- www.msc.fema.gov







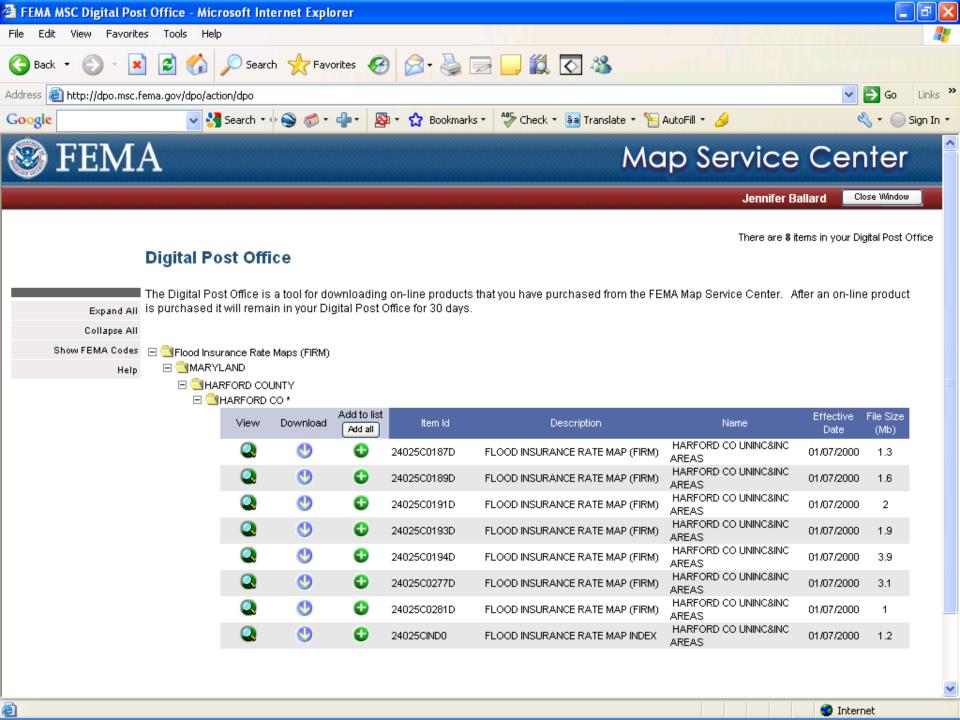




Digital Post Office

- Download on-line products purchased through MSC
- Available for 30 days



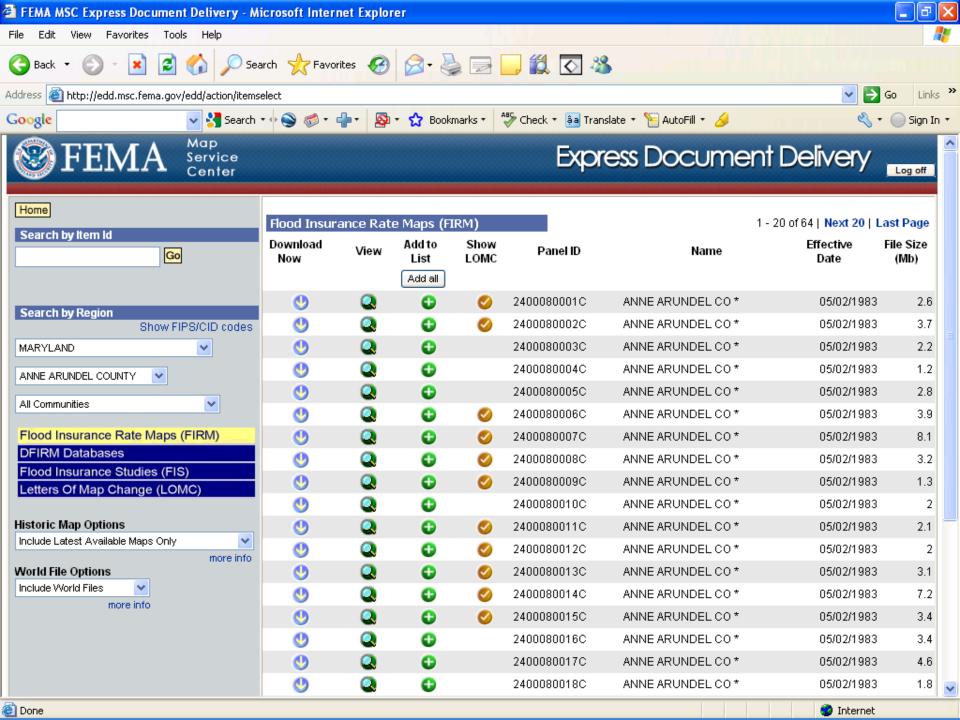




Express Document Delivery (EDDie)

- Items that can be downloaded:
 - Flood Insurance Rate Maps (FIRMs)
 - DFIRM Databases
 - Flood Insurance Studies (FISs)
 - Letter of Map Changes (LOMCs)
- Requires GetRight download manager
- ".grx" file



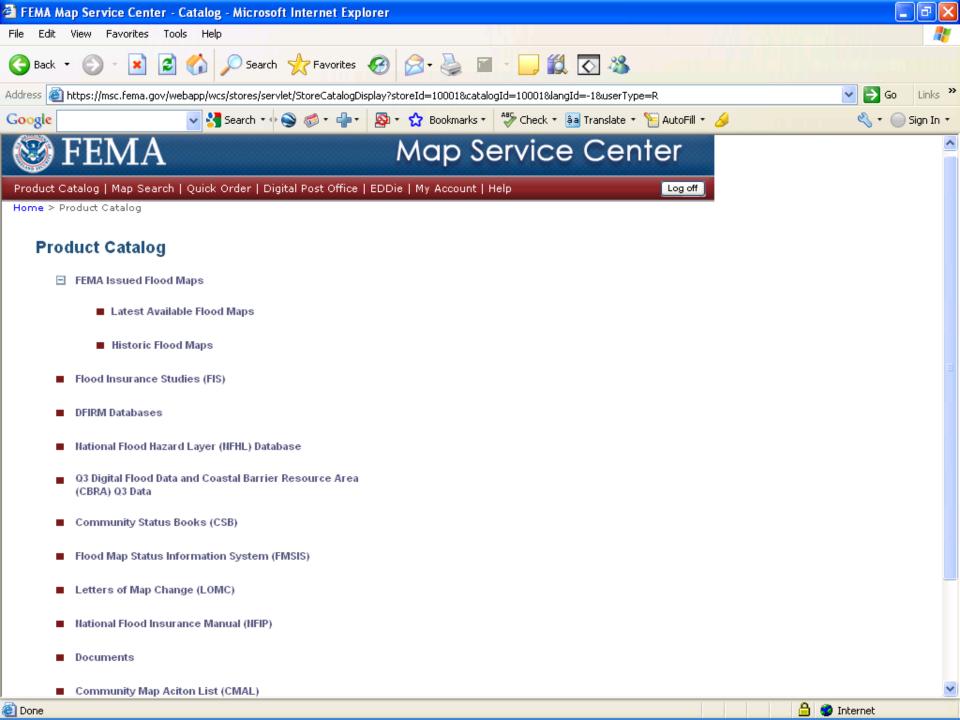


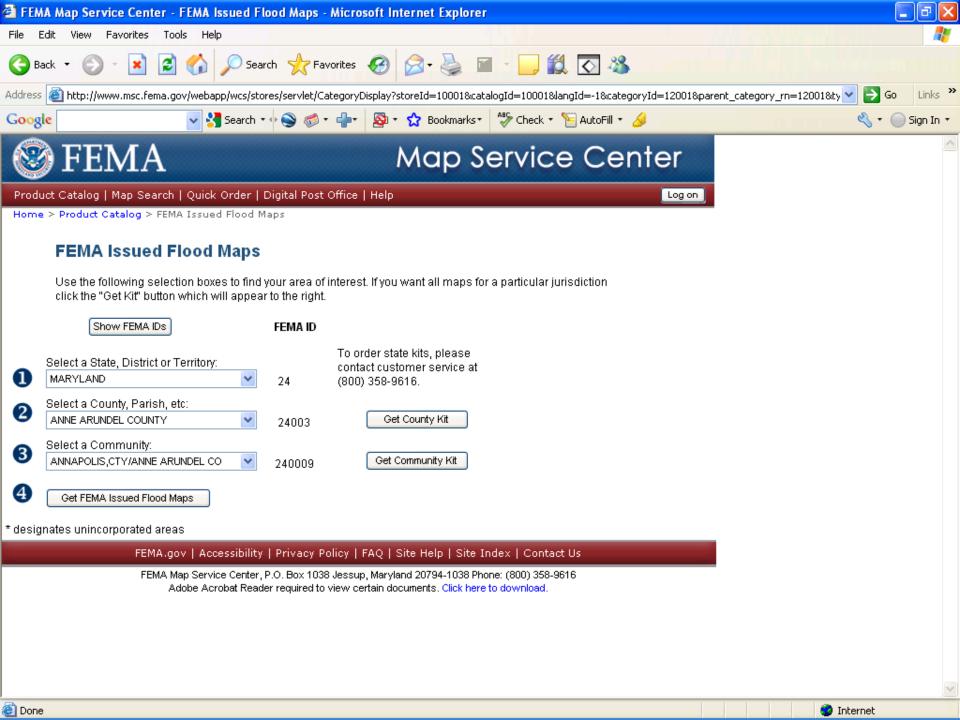


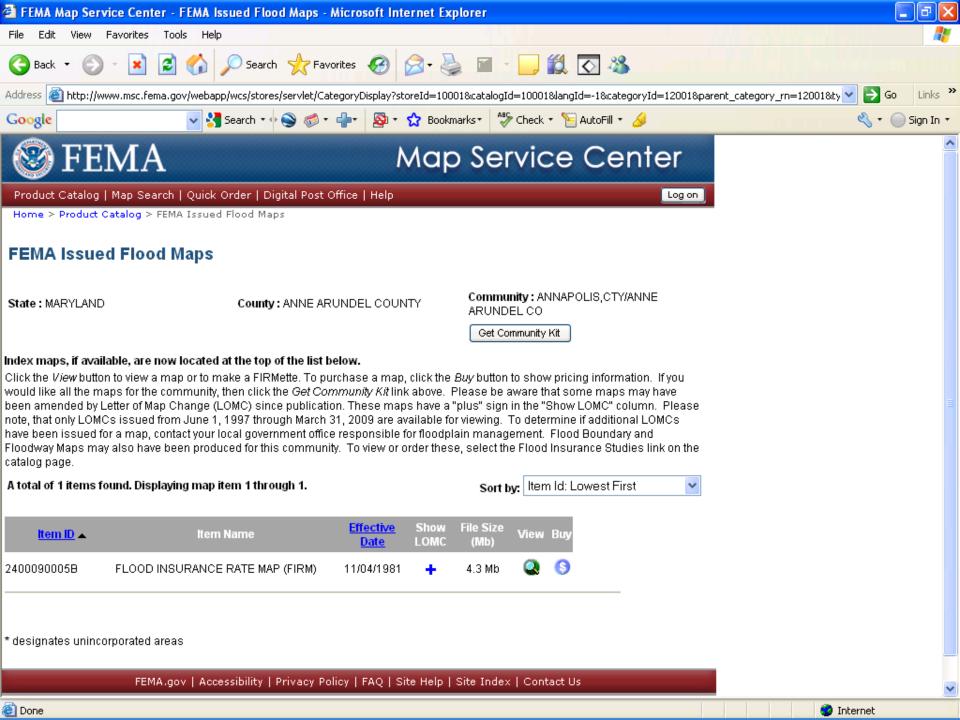
FIRMette

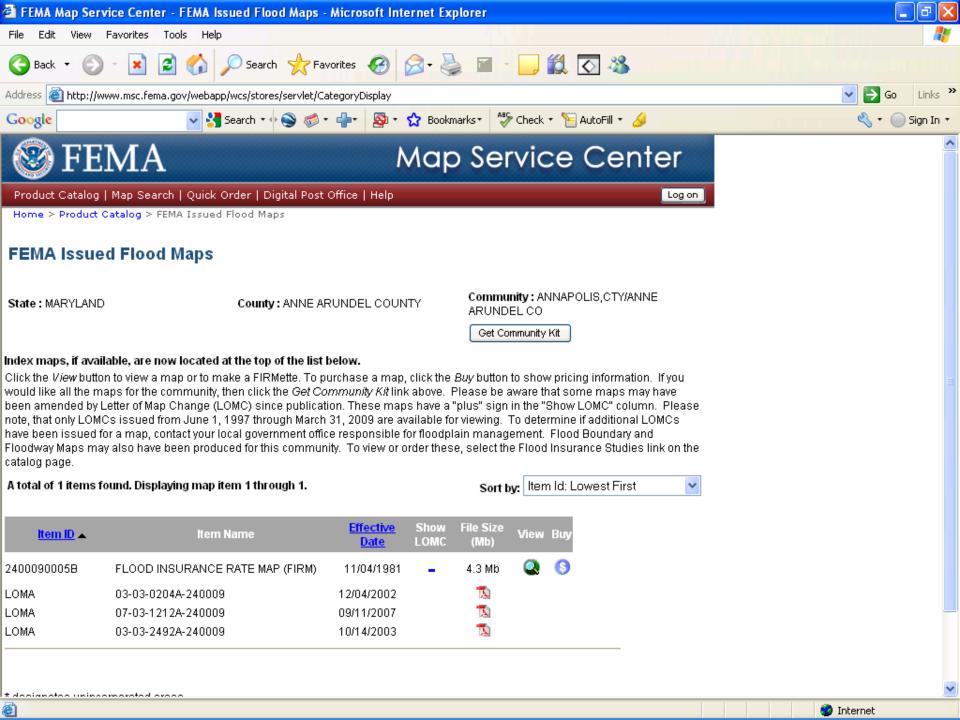
- Official copy of a portion of FIRM
- F-MIT
 - Online
 - FIRMette Desktop Viewer v2.3
- Tutorial available on website
- Be on lookout for LOMC
- Download as PDF or TIF image

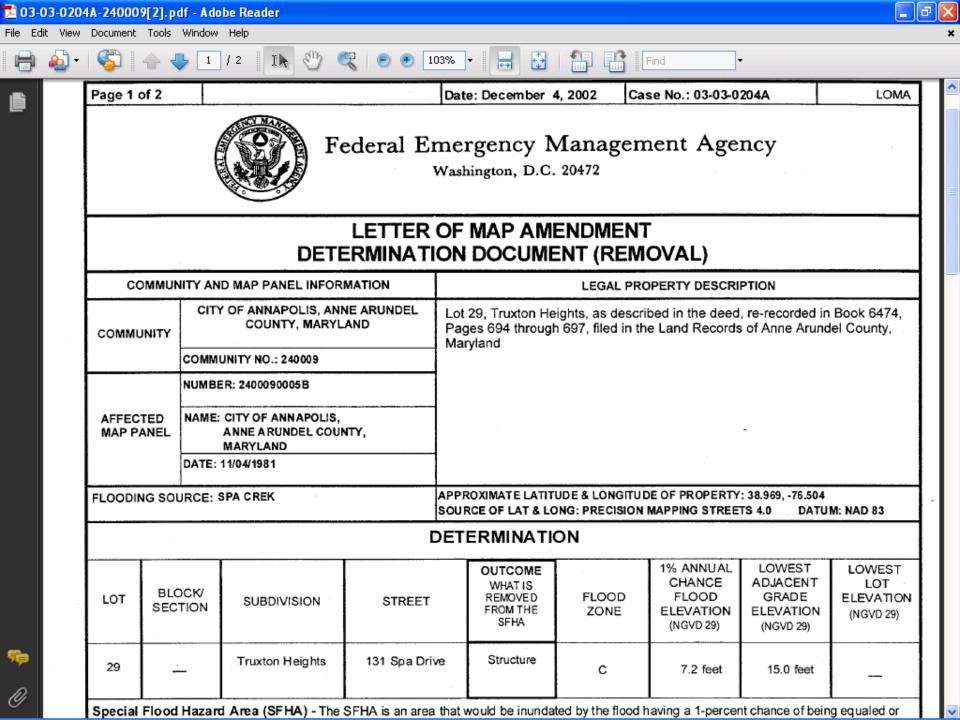


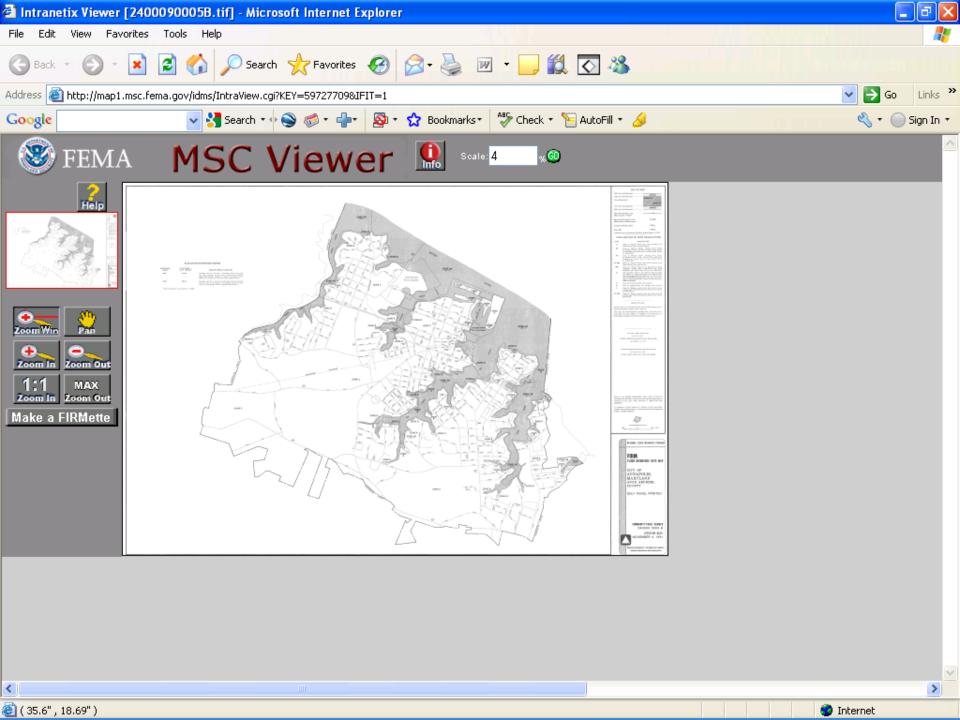


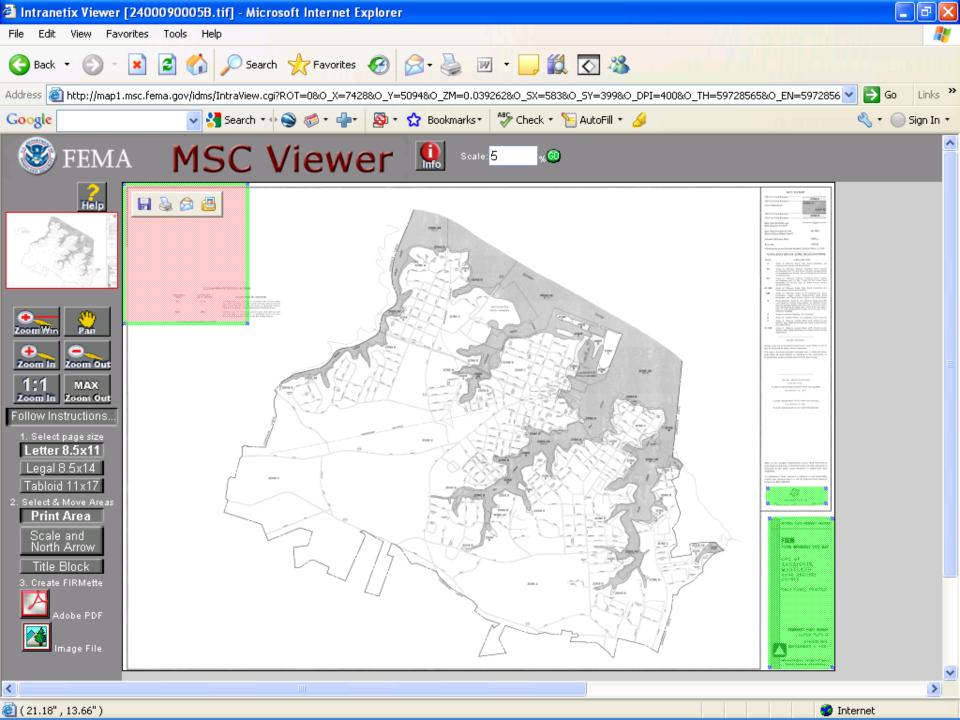


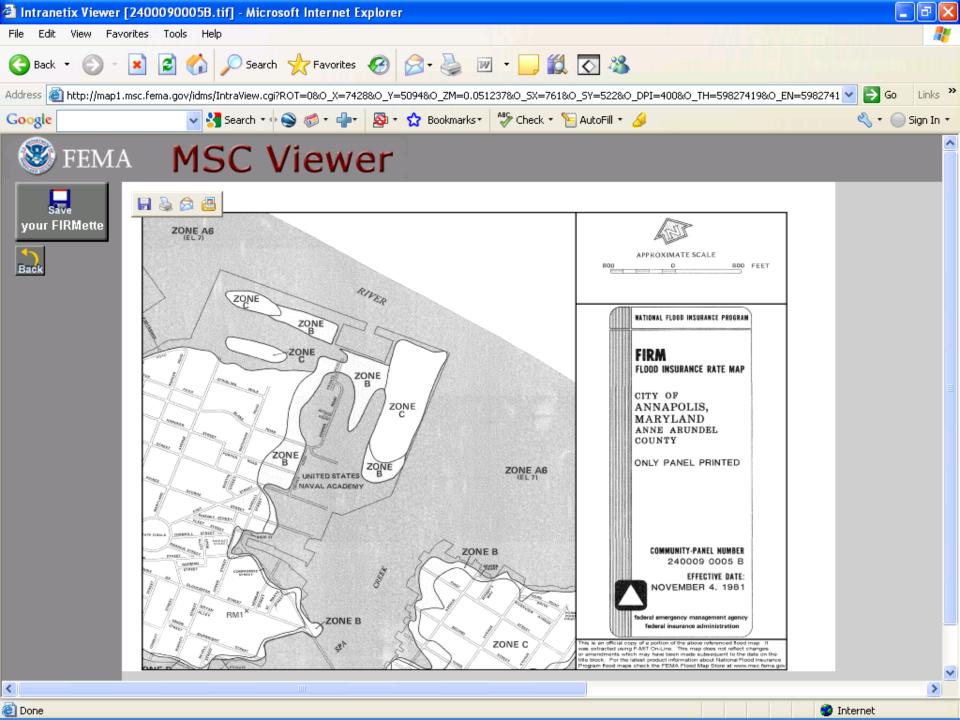


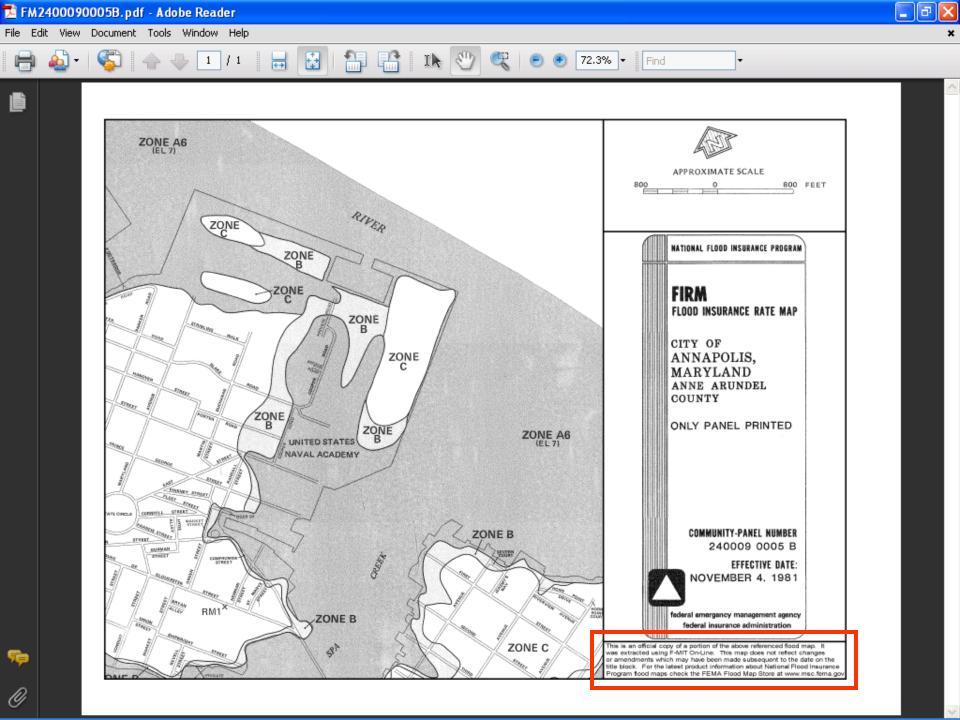


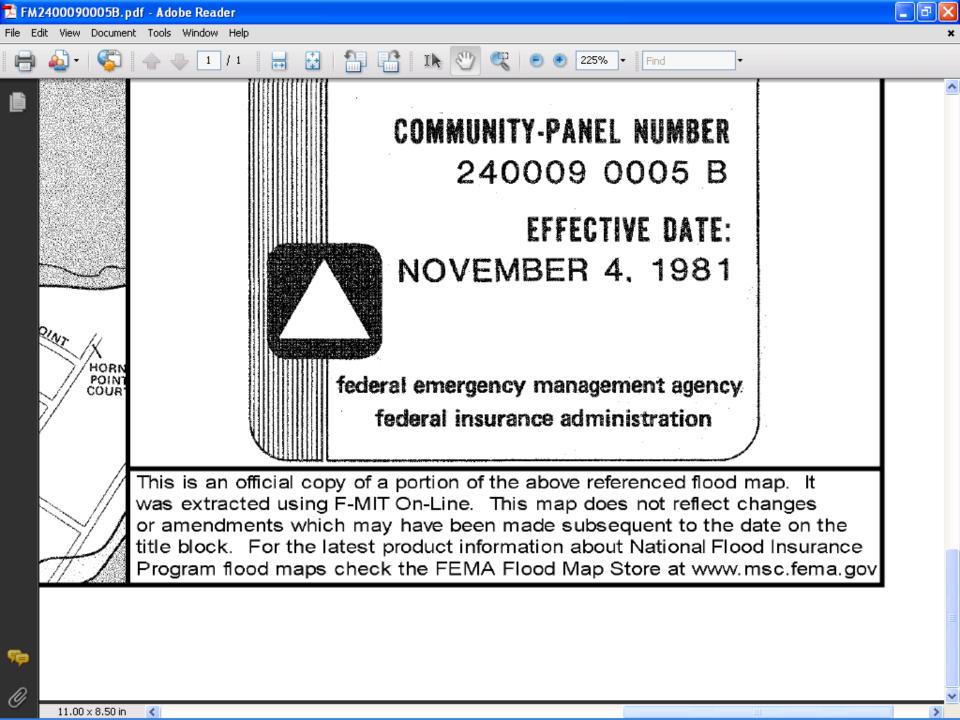














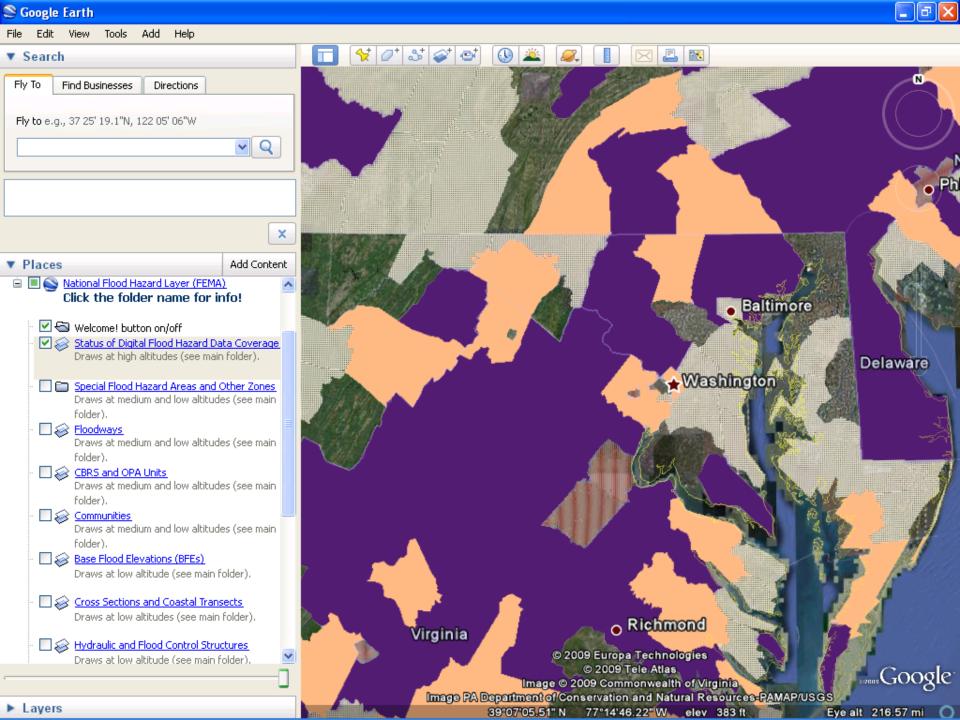
National Flood Hazard Layer (NFHL)

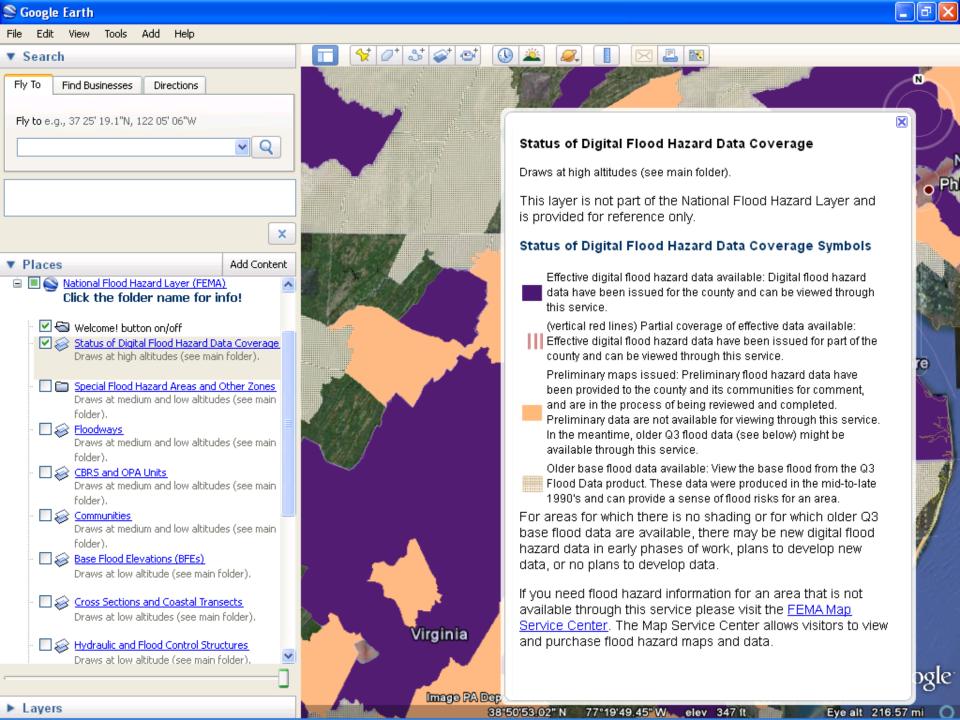
- Web Map Service (WMS)
- Use in Google Earth or GIS
 - Google Earth:
 https://hazards.fema.gov/femaportal/wps/portal/NFHLWM
 Skmzdownload
 - GIS:
 https://hazards.fema.gov/femaportal/wps/portal/NFHLWM

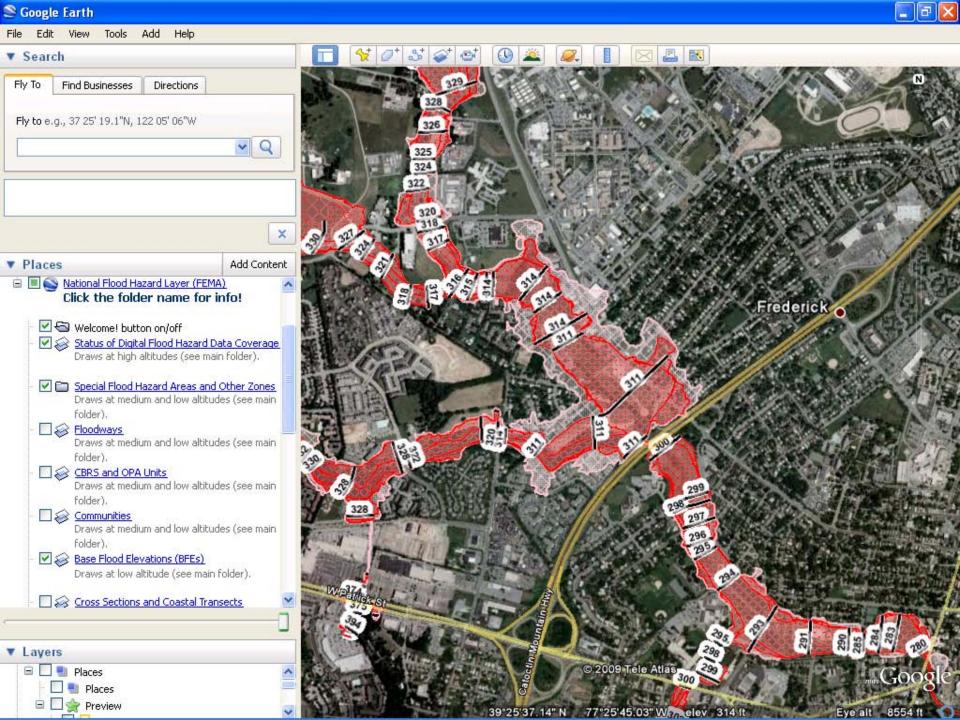


Examples of NFHL in Google Earth



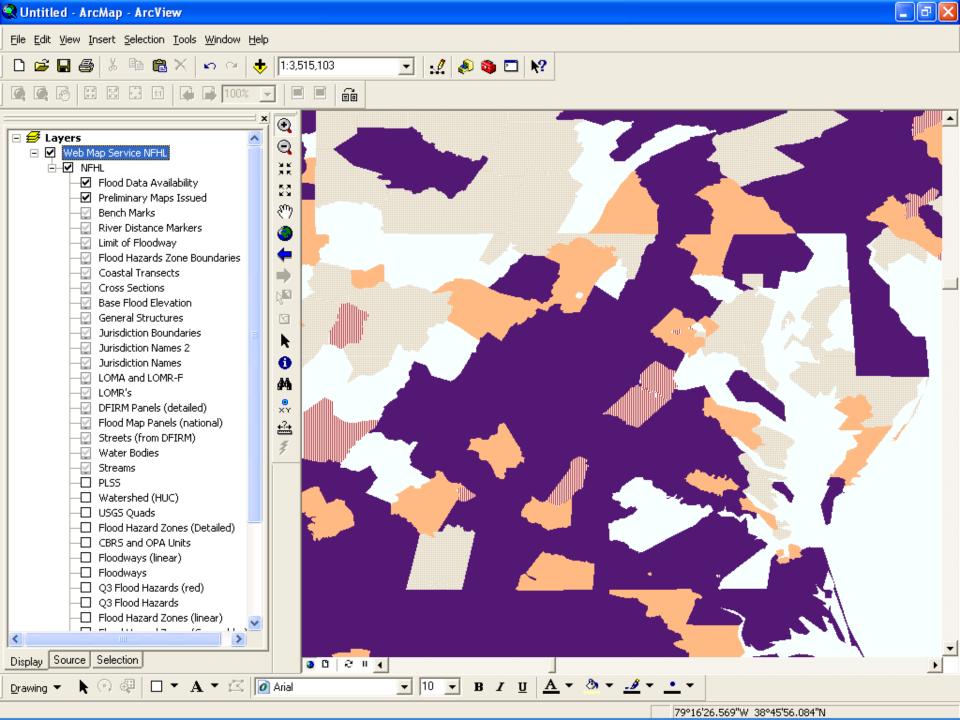


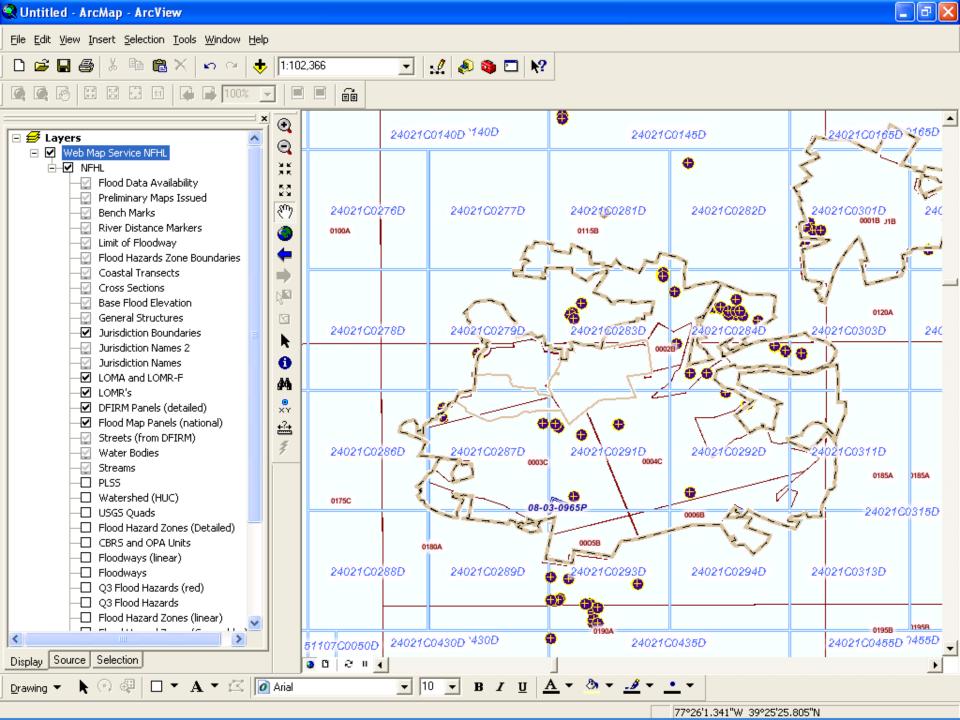


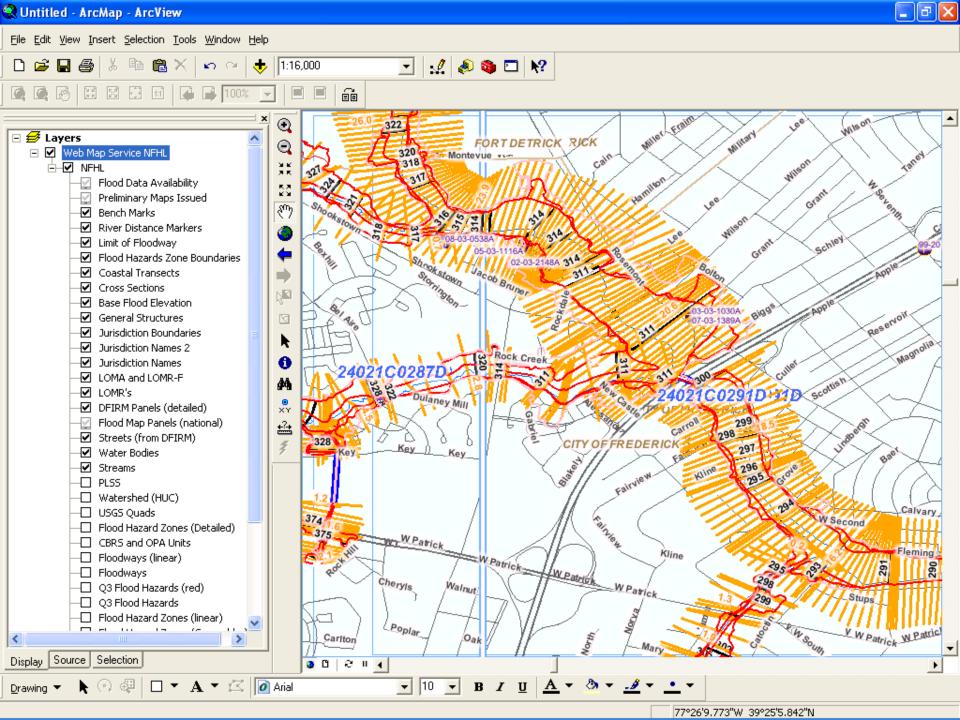


Examples of NFHL in GIS











Additional Resources

- Floodsmart.gov
- NFIP Bureau iService
- Technical Bulletins
- FEMA 480: A Study Guide and Desk Reference for Local Officials (Feb. 2005) www.floods.org

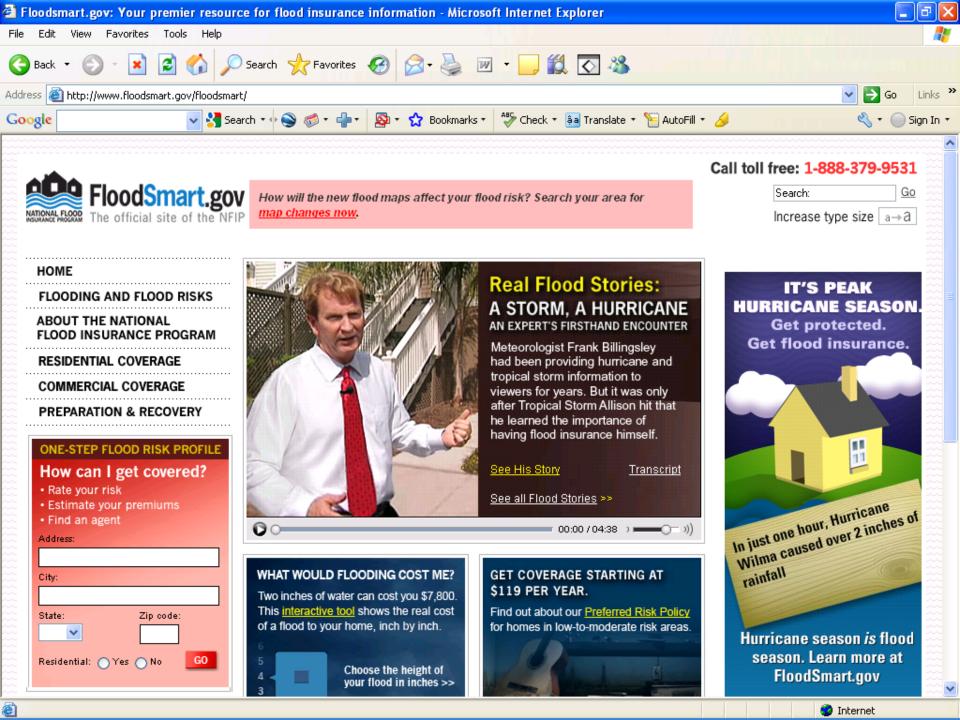




Floodsmart.gov

- Official NFIP website
- Create flood risk profile



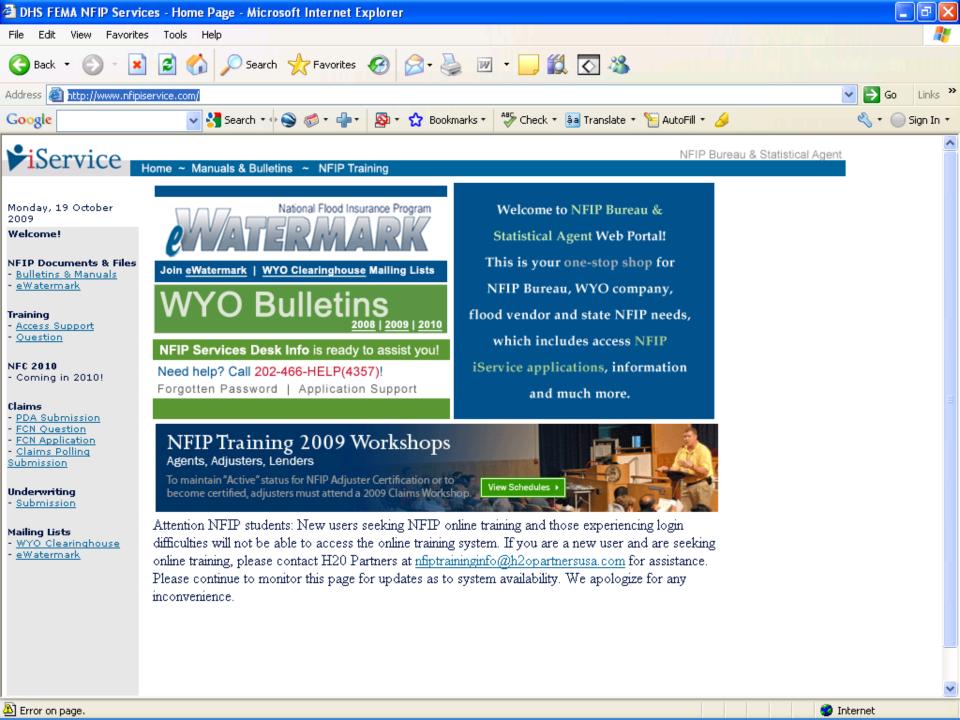


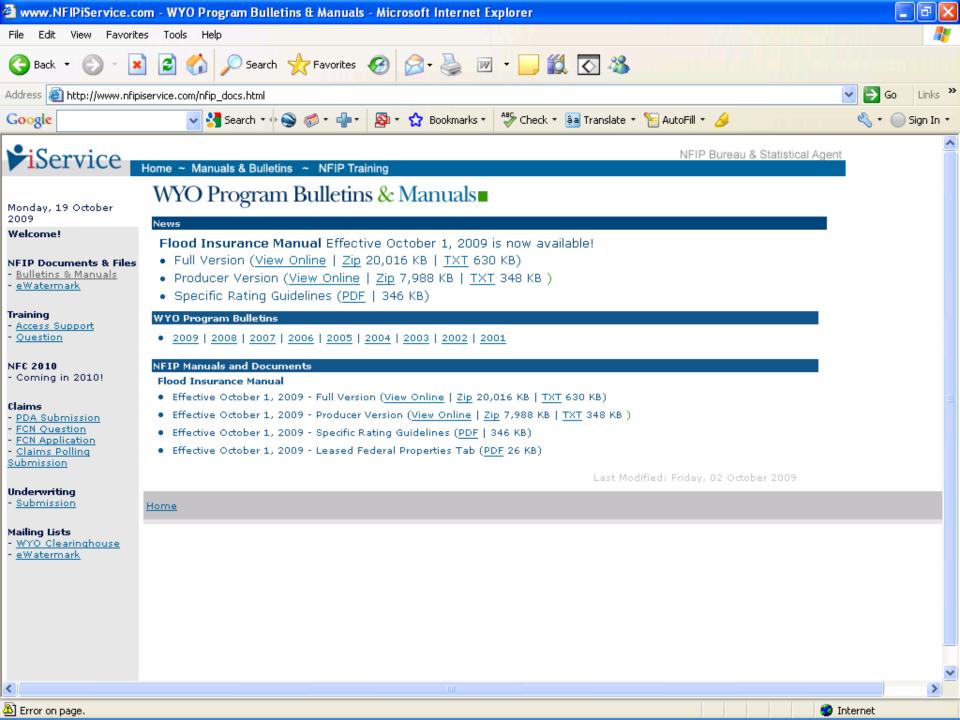


NFIP Bureau iService

- http://www.nfipbureau.fema.gov/ or http://www.nfipiservice.com/
- Bulletins & Manuals
 - W-08086: Openings in Foundation Walls and Walls of Enclosures
 - W-09008: Transition Period for Revised EC
 - W-09020: Revised EC and Floodproofing Certificate Approved









Technical Bulletins

- Provide additional guidance (examples):
 - Flood-resistant materials
 - Floodproofing
 - Elevator installation
 - Below-grade parking
- 11 bulletins

http://www.fema.gov/plan/prevent/floodplain/techbul.shtm



Technical Bulletins (cont.)

- Recently updated Technical Bulletins:
 - TB1: Openings in Foundation Walls and Walls of Enclosures
 - TB2: Flood Damage-Resistant Materials Requirements
 - TB5: Free-of-Obstruction Requirements
 - TB9: Design and Construction Guidance for Breakaway Walls Below Elevated Coastal Buildings



TB-1: Openings in Foundation Walls and Walls of Enclosures

- Updated in August 2008
- Guidance document
- Does not replace the community floodplain management ordinance
- Follow instructions on Elevation Certificate (surveyors)





Websites

- Maryland Department of the Environment www.mde.state.md.us
- FEMA <u>www.fema.gov</u>
- Map Service Center <u>www.msc.fema.gov</u>
- Mapping Information Platform www.hazards.fema.gov
- NFIP <u>www.floodsmart.gov</u>





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