Blackwater Falls State Park
Davis, WV
May 14, 2002
Federal Declared Disasters

- Total since 1953 = 2061 Nationally
- Average per year = 34
- Total in WV = 48
- 2 were winter storms/blizzards
- 46 were floods
Fed. Declared Disasters\textsuperscript{ï} cont\textsuperscript{ô}d

- Total in WV since 1969 = 41
- Approx. 1 per year
- Total in WV since 1995 = 28
- 1.65 per year
- 5 in WV in 1996 alone

FEMA
2011 was a record year for FEMA

*Total Major Disaster Declarations across the USA = 99*

*Total Major Disaster Declarations in WV = ?*
The NFIP

- Started in 1968 - Voluntary
- Updated in 1973 – Mandatory
- 275 WV Communities Participate
The NFIP Three Legged Stool

- Flood Maps
- Flood Plain Ordinances
- Flood Insurance
The HM* Three Legged Stool

- *Know your Risk*
- *Reduce your Risk*
- *Insure for the remaining Risk*

*HM = Hazard Mitigation*
Know Your Risk

- Map Modernization
  - Digital County-Wide FIRM (DFIRMs)
  - Started in 2003, Approx. $9 million for 55 counties in WV
  - Eliminated the need to create, store and distribute paper maps
  - Datum converted from NGVD to NAVD
  - Used in GIS w/ other map overlays
Know Your Risk - cont'd

- Risk MAP - Started in 2009
  - Map the Risk
  - Assess the Risk
  - Plan for the Risk

FEMA

Floodplain Management
Know Your Risk - cont'd

- **Risk MAP**
  - Map the Risk – $2.4 million
    - Risk Map Projects
    - Disaster Recovery Mapping
    - Elevation Data Collection
    - CTP-Project Management
    - (see handout for more detail)
Know Your Risk - cont'd

- **Risk MAP**

- **Assess the Risk**
  - HAZUS
  - Depth Grids
  - These and other tools see:
Know Your Risk - cont'd

- Risk MAP

- Plan for the Risk = HM Planning
  - Sec. 322 of the Stafford Act (2000)
  - Communities put down in writing where their risks are located and how they plan to mitigate them.
Reduce Your Risk

- **Develop a Community HM Plan**
- **Adopt a Community FPM Ordinance with Higher Standards**
- **Increased Cost of Compliance (ICC) - up to $30,000 for F.R.E.D.**
Reduce Your Risk

- **SBA – Mitigation Loan**
- **WV HMA Grants Since 1997**
  - Properties Acquired – 948 at $45,069,818
  - Properties Elevated – 51 at $3,597,059
Insure for the Remaining Risk

- $FI Polices in force = 21,481$
- $Written Premium = $17 million$
- $Coverage = $2.6 billion$
Insure for the Remaining Risk

- **Loss Payments since 1978 = $284,610,411**
- **Earned Premium since 1978 = $212,978,819**
- **ICC Claims = 98 at $1,887,575**
  - **DE = 102 at $1,744,792**
What is Success?

- Success is no longer the simple delivery of a new map, a FPM ordinance, a FI policy, or the buyout of one home or business in the flood plain.

- Risk MAP is a comprehensive program of mitigation targeted at local government OUTCOMES.

- We succeed when the entire community, the Whole Community, is engaged to lower both their individual and community-wide flood risk.
What is Whole Community?

- How do you engage the movers and shakers in your community?

- Who are the movers and shakers in your community?

- What are the roadblocks in your community keeping you from moving forward and reducing the flood risks in your community?
What is Whole Community?

- **FEMA employees do not have these answers, but we can try and help if we can.**

- **Do the State employees here in the room have the answers?**

- **Do you all out in the audience have the answers to “whole community” in your community?**
Questions?