

# Cedar Rapids Flood Outreach Meeting

## Floodplain Mapping in Linn County

Jason Conn

Local Flood plain Programs

Iowa Department of Natural Resources  
*Leading Iowans in caring for our natural resources*



Flooding is the most predictable hazard, yet communities continue to suffer economic losses due to flooding



Accurately mapping where flooding is likely to occur is the first step towards reducing economic and personal losses

# FEMA Countywide Maps

Effective Date = April 5, 2010

- Produced Flood Layer in a seamless format
- Maps and data in digital format available through the Internet
- New approximate studies
  - 305 stream reaches throughout county
- Re-delineation of all existing floodplains

# Iowa DNR Floodplain Mapping Program

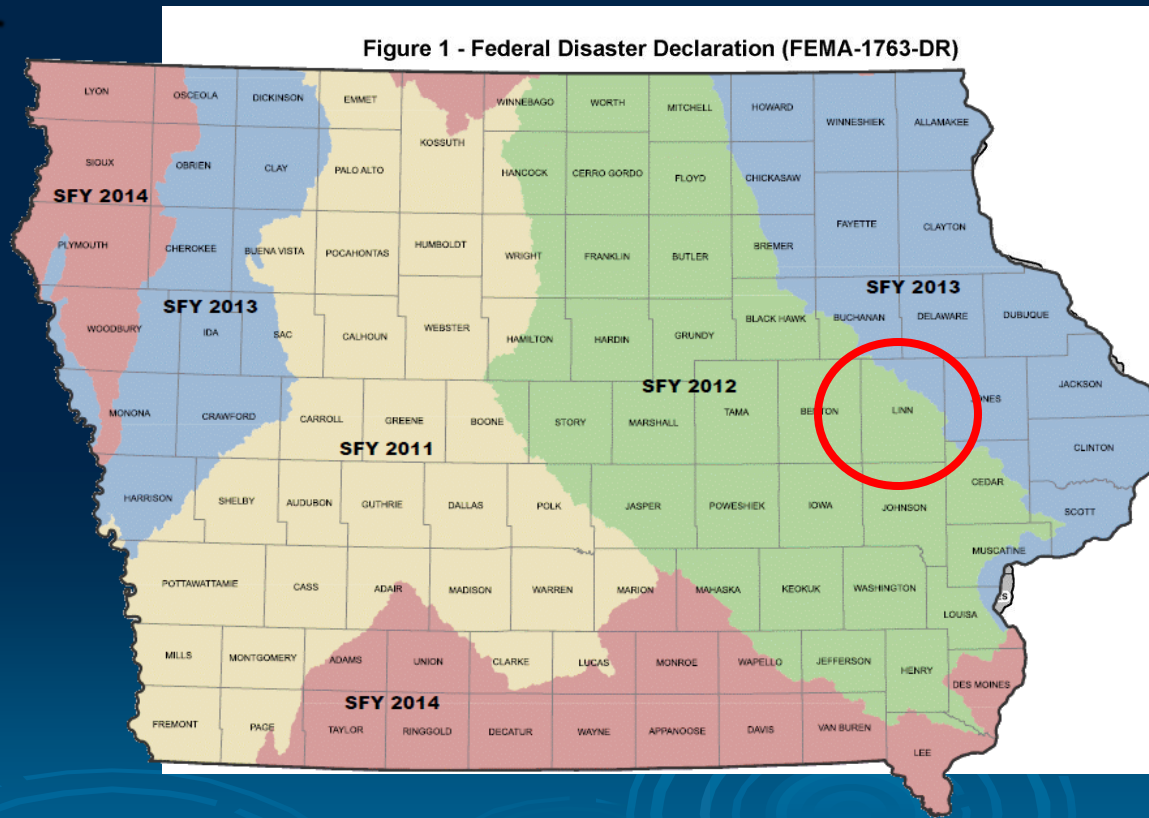
- Mapping in 85 counties declared federal disaster areas

- 4-year project
- \$15M HUD Grant

- Collaborative Effort

- Using better terrain data
  - LiDAR

- Producing Work Maps





# Flood Insurance Rate Map vs. Work Map

## ➤ Flood Insurance Rate Map

- Official FEMA Map
- Illustrates flood hazard areas and risk premium zones
- Used by:
  - Lending Institutions
  - Insurance Agents
  - Federal, State & Local Government Agencies
  - Flood Zone Determination Companies

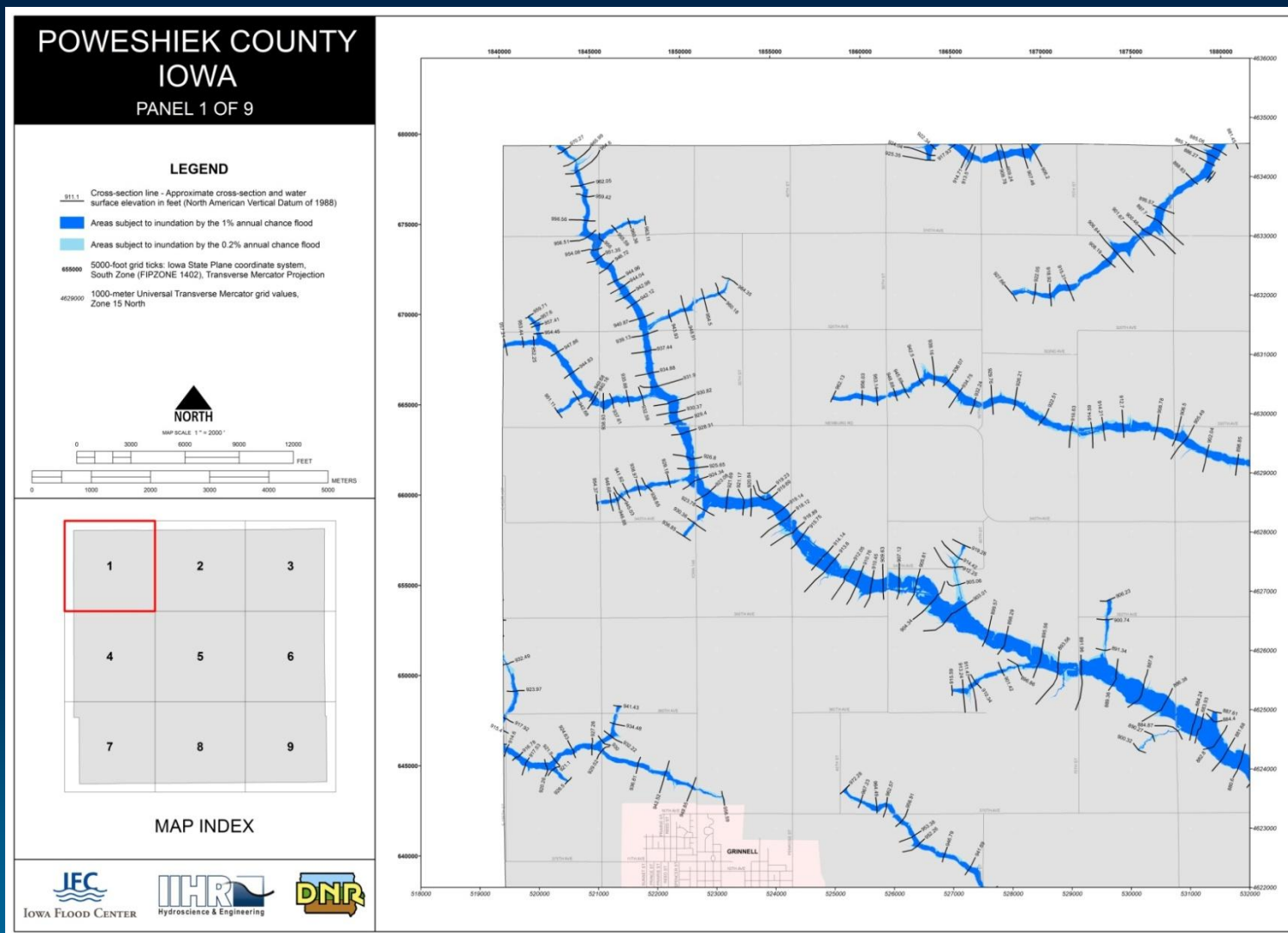
## ➤ Work Map

- Reflects the results of a study showing flooded areas for various flood events:
  - 1% and 0.2% annual chance floods (i.e. 100-Yr. and 500-Yr.)
- Provides foundation for a Flood Insurance Rate Map
- Contain disclaimers regarding use

# Uses For Work Maps

- Land Use Planning in flood-prone areas
- Ability to anticipate implementation of Floodplain Development Regulations (NFIP)
- Reduces ambiguity in floodplain permitting process
- Disaster Response and emergency planning

# Work Map Example



# Flood Plain Development Program

<http://floodplain.iowadnr.gov>

## Contact Information

Jason Conn

(515) 281-4333

[jason.conn@dnr.state.gov](mailto:jason.conn@dnr.state.gov)