

**RiskMAP**  
Increasing Resilience Together



# **DHS / FEMA Update:** *MAPPS Federal Programs Conference*

April 14, 2015



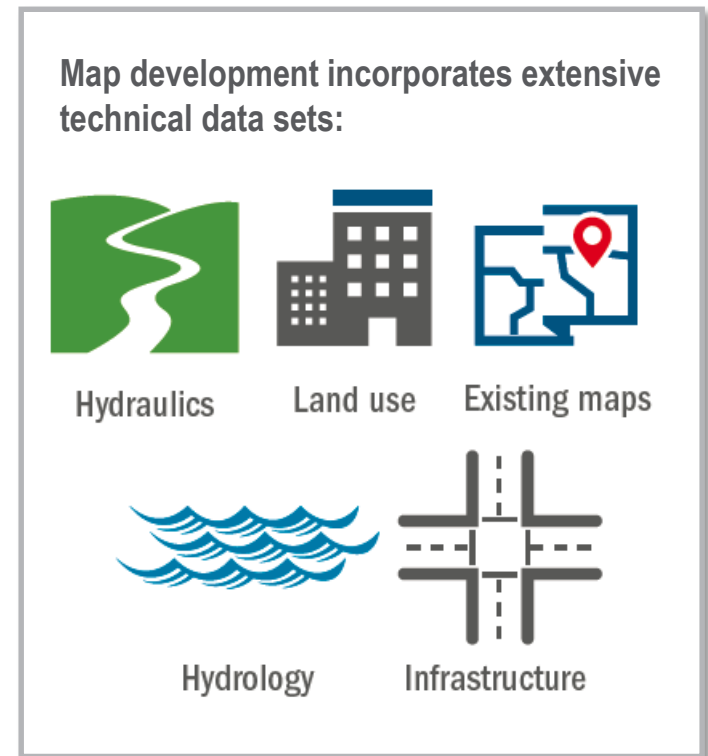
**FEMA**

# Overview: Risk MAP Goals



# Overview: Why We Map

- ▶ A Flood Map (also known as a Flood Insurance Rate Map):
  - Communicates flood risk to a community and its residents
  - Informs local floodplain management regulations
  - Determines insurance rates and the need to purchase insurance through the National Flood Insurance Program (NFIP), helping property owners financially protect themselves against flooding
  - Sets minimum floodplain standards and building standards for the community



# Overview: How We Map

- ▶ Flood maps are modified when there are changes in population growth, development, and improved science (e.g., changes in climate and weather patterns).
- ▶ In the Risk MAP program, each flood risk project is tailored to the needs and capabilities of each affected community and may involve different steps, products, and services.
- ▶ For all projects, a strong emphasis is placed on technical credibility and community engagement.

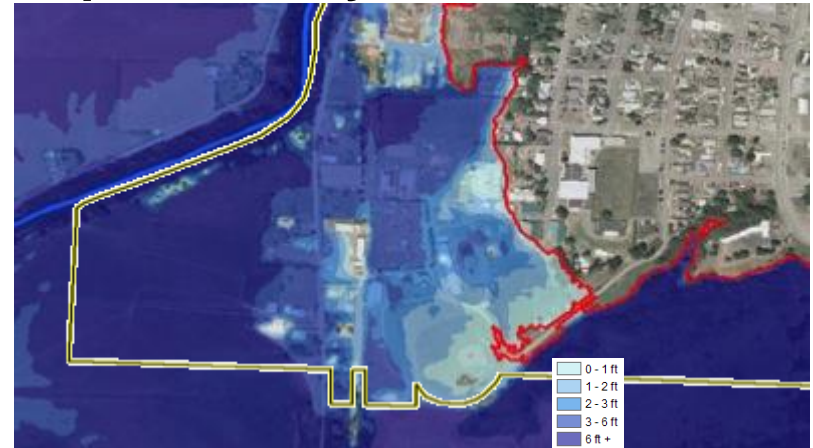


# How We Map: Flood Risk Datasets

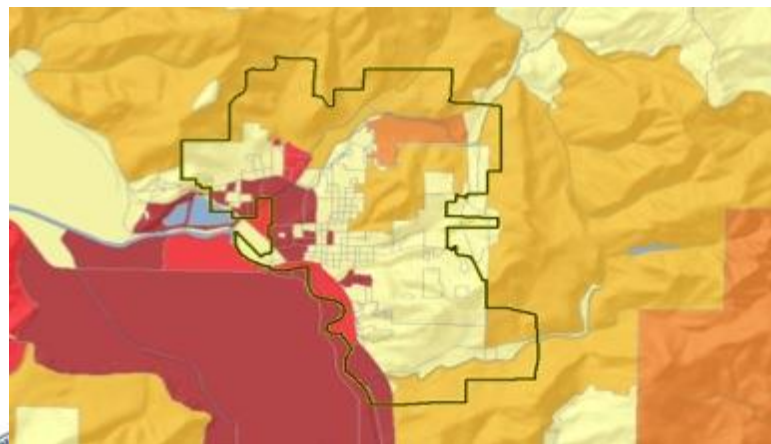
## Changes Since Last FIRM



## Depth & Analysis Grids



## Risk Assessment



## Areas of Mitigation Interest

- ◆ Accredited Levees
- ◆ Non-Accredited Levees
- Dams
- ⊗ Coastal Structures
- Stream Flow Constrictions
- ⬡ Past Claims Hot Spot
- Key Emergency Routes
- Overtopped During Frequent Flooding Events
- ◎ At-Risk Essential Facilities
- Individual Assistance (IA) & Public Assistance (PA) Data
- ⊕ Significant Land Use Changes (within the past 5 years and looking forward 5 years)
- ⚠ Areas of Significant Riverine or Coastal Erosion
- ❄ Non-Levee Embankments
- 💧 Other Flood Risk Areas
- ✓ Areas of Mitigation Success
- ★ Other

# Budget

- ▶ FY14 Budget - \$216M
- ▶ FY15 Budget - \$220M
- ▶ FY16 Proposed - \$400M
- ▶ Risk MAP is one of the key ways the Federal government builds community resilience to natural hazards

# Lidar Investments

- ▶ FY14 - ~\$12M
- ▶ FY15 – Planning now, similar to FY14
- ▶ FY16 – If fully funded, FEMA would likely invest at least \$20M
- ▶ FEMA won't be able fund 3DEP alone.
- ▶ It is important that the 3DEP funding be shared across USGS, FEMA, other Federal agencies and state and local partners
- ▶ Actual funding from FEMA would likely depending on the other funding available as well.

# Contract Vehicle

- ▶ FEMA Regions have 3 primary options
  - Production and Technical Service Contracts
  - Cooperative Agreements with State and Local Partners
  - Interagency Agreements with Federal Partners
- ▶ Regions continue to use all 3
- ▶ Impacts of 3DEP BAA process unclear



# FEMA Response

- ▶ Using the FEMA GeoPlatform as a means to share geospatial data and situational awareness
- ▶ FEMA has had success with the CAP imagery acquisition model on recent disasters and it is likely to be a key strategy on future disasters
- ▶ Plan to use DHS Disaster IDIQ mapping contract as needed
- ▶ FEMA is continuing to formalize geospatial support for disaster operations and integrate geospatial strategies across FEMA response and recovery activities



# FEMA



FEMA