



FEMA

Layton City Council Meeting

Layton, Utah

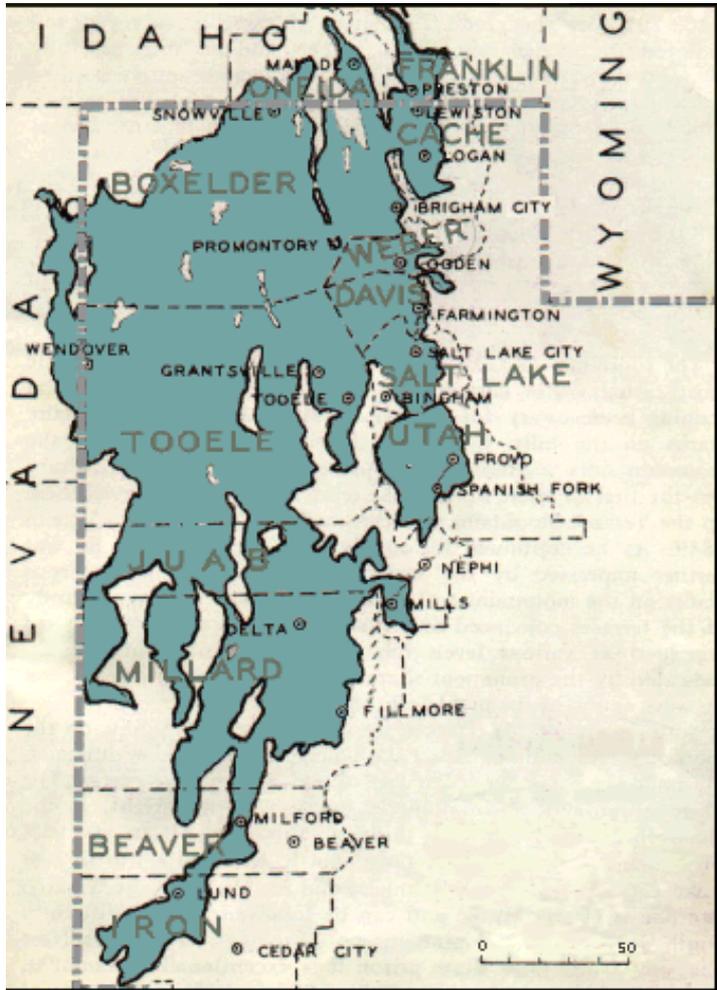
State of Utah – Division of Emergency
Management

February 18, 2016

RiskMAP

Increasing Resilience Together





NFIP

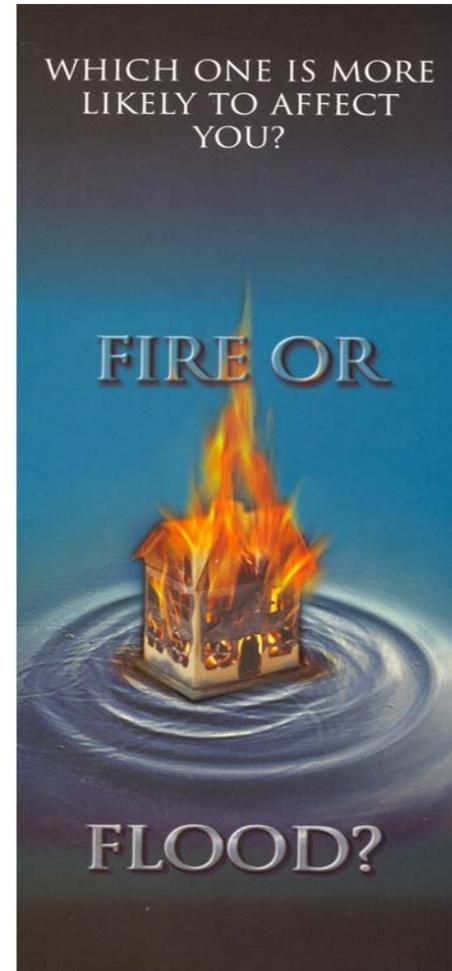
Whats is it about?

Kathy Holder

State Floodplain Manager

Did You Know?

During a 30-year mortgage, there is a 1% chance that a home will burn, there is a 26% that it will flood.



NFIP - National Flood Insurance Program

What is the National Flood Insurance Program (NFIP)?

The NFIP is a Federal program created by Congress to mitigate future flood losses nationwide through sound, community-enforced building and zoning ordinances and to provide access to affordable, federally backed flood insurance protection for property owners.

The NFIP is designed to provide an insurance alternative to disaster assistance to meet the escalating costs of repairing damage to buildings and their contents caused by floods.

Participation in the NFIP is based on an agreement between local communities and the Federal Government that states that if a community will adopt and enforce a floodplain management ordinance to reduce future flood risks to new construction in Special Flood Hazard Areas (SFHAs), the Federal Government will make flood insurance available within the community as a financial protection against flood losses.

Good News! Your Community Is Participating



NFIP

- Risk identification ;
- Establish development /building standards, and;



STATE

- Establish development/b uilding standards;
- Under contract with FEMA, provide technical assistance to local communities and;



Community

- Adopt local floodplain management laws in compliance with Federal/State laws;
- Issue or deny development/building permits,and;
- Inspect development and maintain records.

The Nine Fundamental Duties Of Community

-  Review Applications
-  Provide Base Flood Data
-  Review Plans and Specifications
-  Ensure that All Other Permits are Obtained
-  Notification of Watercourse Alterations
-  Issue or Deny Permits
-  Inspect Development
-  Record Keeping
-  Remedy Violations

Your Local Floodplain Administrator:

- ▶ Understand regulations;
- ▶ Review permit applications;
- ▶ Determine compliance;
- ▶ Coordinate permit reviews;
- ▶ Conduct inspections;
- ▶ Take enforcement actions;
- ▶ Interact in appeals and variance process;
- ▶ Keep records;
- ▶ Collect fees (if any);
- ▶ Investigate complaints;
- ▶ Biennial reports;
- ▶ Maintain and update administrative forms;
- ▶ Coordinate map appeals and revisions;
- ▶ Maintain community maps, and;
- ▶ Disseminate floodplain management information.

**All
important
steps
keeping
your
Community
safer and
more
resilient**

Community Statistics:

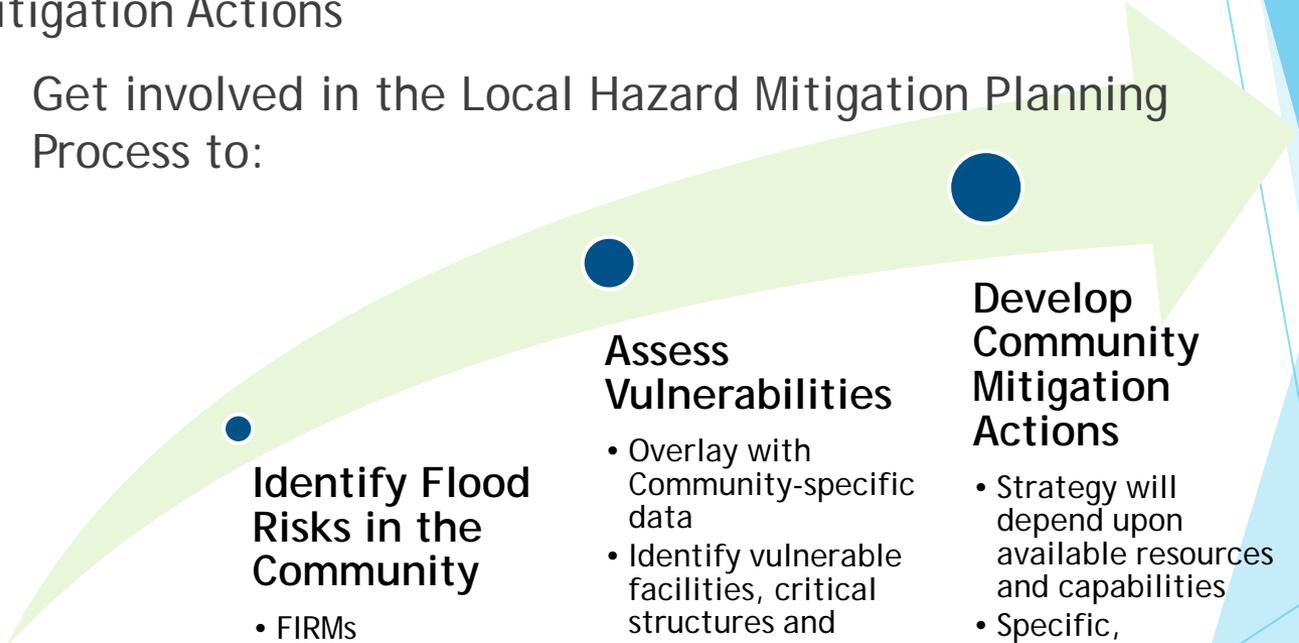
Layton, Utah

- ◆ Current Maps in use are from June 18, 2007 (New Maps Coming)
- ◆ Number of policies 59
- ◆ Total Insurance coverage \$13,260,000
- ◆ 14 Claims
- ◆ No repetitive losses

Mitigation - Local Hazard Mitigation Plan

Moving from FEMA Flood Mapping Products to Mitigation Actions

- ▶ Get involved in the Local Hazard Mitigation Planning Process to:



Identify Flood Risks in the Community

- FIRMs
- Flood Risk Map
- Changes Since Last Firm
- Flood Depth Grids
- Areas of Mitigation Interest
- Other Flood Risk Data

Assess Vulnerabilities

- Overlay with Community-specific data
- Identify vulnerable facilities, critical structures and infrastructure, populations, etc.

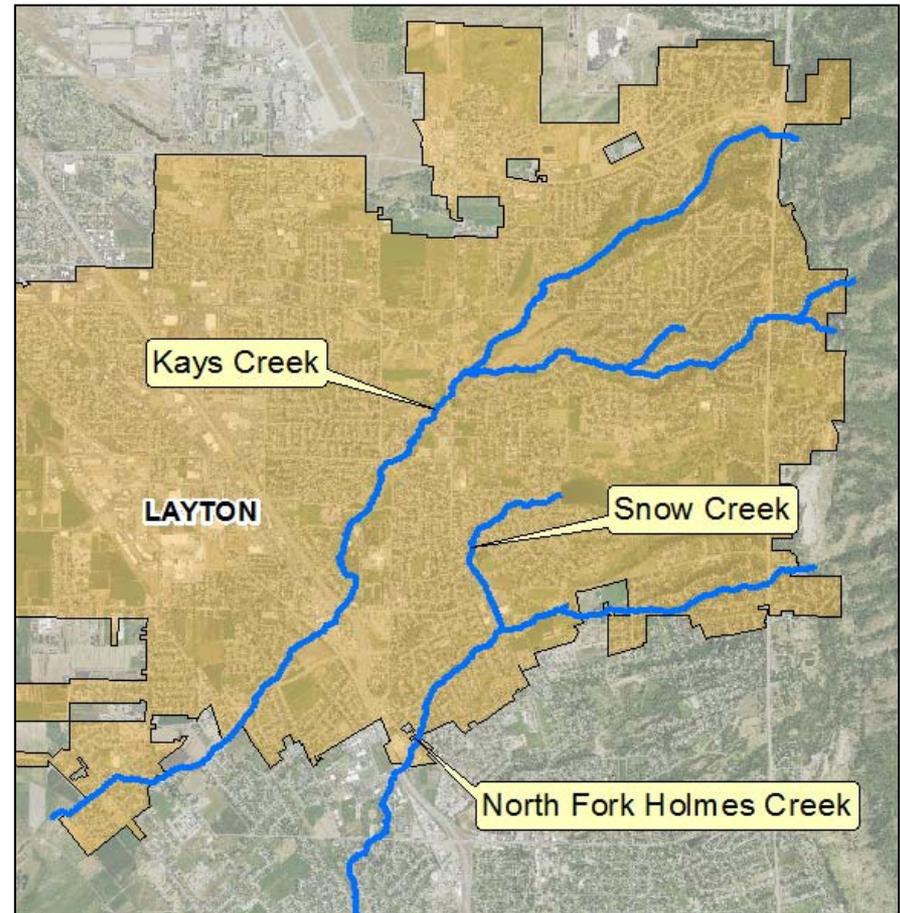
Develop Community Mitigation Actions

- Strategy will depend upon available resources and capabilities
- Specific, measurable, achievable mitigation actions aligned with other Community objectives and other planning efforts

Davis County Flood Study - Project Background

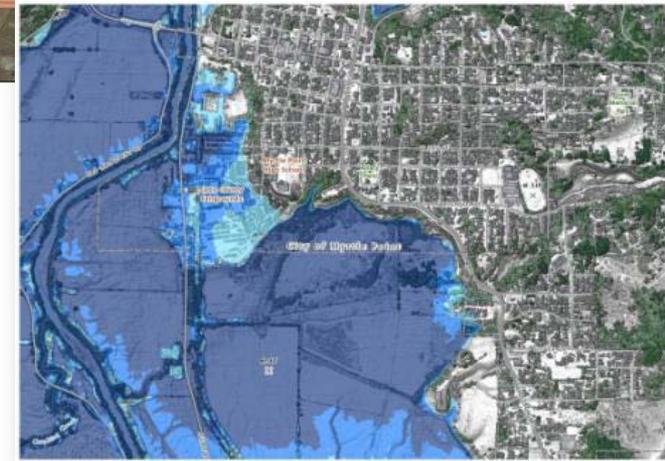
- Davis County/communities participate in the National Flood Insurance Program (NFIP)
- UT DEM partners with FEMA and communities to develop and update flood maps
- Flood study initiated in 2010

Layton Study Streams



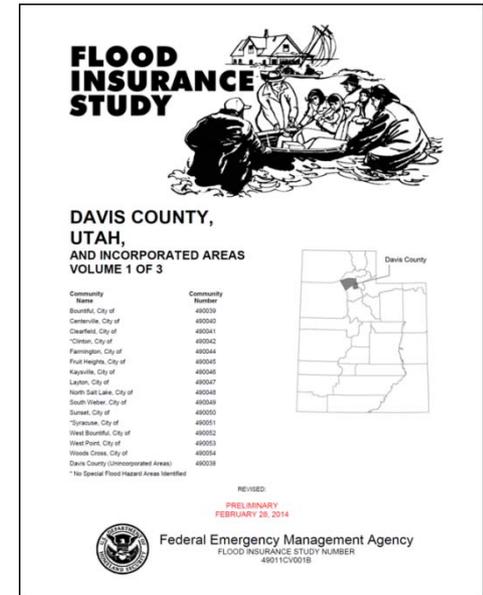
The Flood Map

- Identifies areas of flood risk
- Communicates risk to community
- Serves as a Flood Insurance Rate Map (FIRM)
- Informs local floodplain regulations
- Needs periodic updating due to:
 - Population growth and development
 - Better science and technology
 - Changing climate conditions



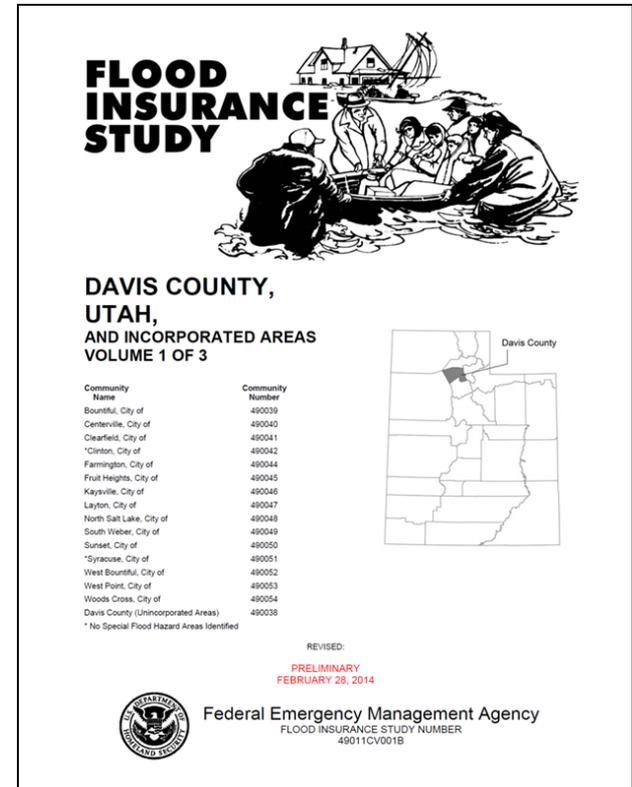
Davis County Risk MAP Project Background

- Updated preliminary flood map became available **February 28, 2014**
- Davis County Communities expressed concern over flow rates used in analysis yielding a substantial increase in floodplain area
- Layton, Bountiful and Farmington filed an appeal with FEMA to have the flow rates re-assessed and the floodplains remapped
- Appeal was deemed warranted



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Appeal

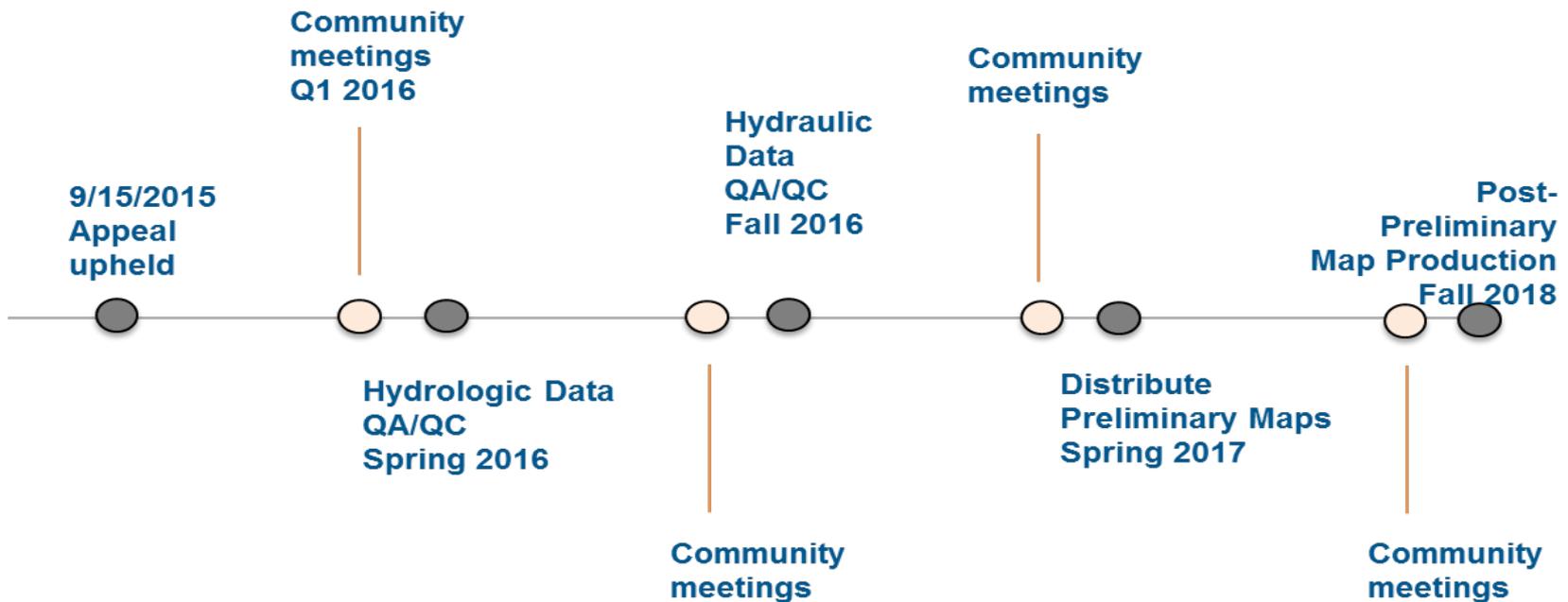
- **Appeal period: October 16, 2014 - January 16, 2015**
 - Appeal period is part of every flood study due process
- **What was Appealed by Layton**
 - Hydrology (Flow Rates)
 - Request to incorporate select updated structure and culvert information
 - Request to assess terrain model with updated topography information
- **Appeal Acknowledgement sent on: May 11, 2015**
- **Appeal Evaluation from Compass sent on November 6, 2015**
- **Appeal Evaluation meeting held on December 9, 2015**

Revised Floodplain Analysis

- **Utah DEM and engineering contractor AECOM working on revised analysis**
- **Frequent meetings with City Engineering staff to provide updates**
 - Updated Hydrology Analysis
 - Evaluating newly obtained topography information
 - Evaluating updated structure and culvert information in requested areas
- **City Engineering staff will be kept up to date on project**
- **Flow rates expected to decrease compared to 2014 analysis**
- **Floodplain extents expected to decrease compared to 2014 preliminary floodplain maps**

2016-2018 Timeline

2016-2018 Timeline**



Questions / Comments ?



AECOM



FEMA