



New Mexico's Risk MAP Program

Animas Watershed
Discovery

Community Official Briefing
July 20th, 2016

Bill Borthwick, State NFIP Coordinator



FEMA



Agenda

- What is Risk MAP?
- Discovery: The First Step
- Why is Discovery Important?
- What is a Watershed/Watershed Approach?
- Animas Watershed History
- Meetings and Participants
- Data to be Collected from the Community
- Next Steps



What is Risk MAP?

- **Mapping** – Identification of areas of natural hazard risk
- **Assessment** – Review and analysis of hazard areas
- **Planning** – Mitigation activities to reduce risk

Discovery: The First Step

- Holistic view of a geographic area; watersheds cross jurisdictional borders – Ownership of Risk
- Develop partnerships, combine resources, share flood risk information, develop a vision for the watershed – Whole Community
- Identifying and empowering communities to take action to reduce their flood risk - Resiliency

Why is Discovery Important?

- First face-to-face meeting in the watershed
- Know your risk
- Review Mitigation Plans
- Discuss mitigation opportunities
- Provide flood risk information



What is a Watershed?

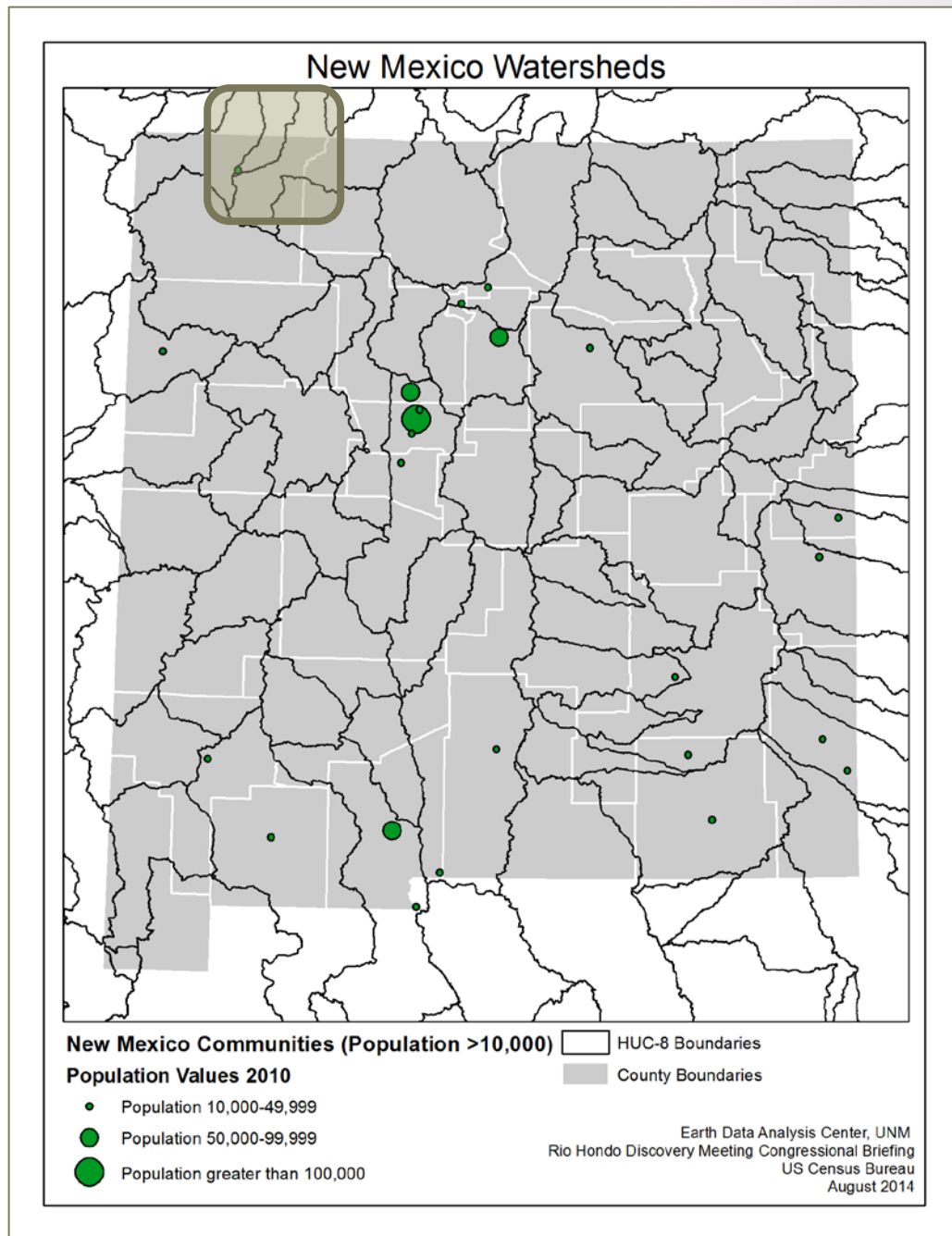
- An area of land that drains into a common waterway, such as a stream, lake, wetland, aquifer, or even the Gulf of Mexico
- All sizes and shapes
- Cross county, state, tribal, and national boundaries

Why the Watershed Approach?

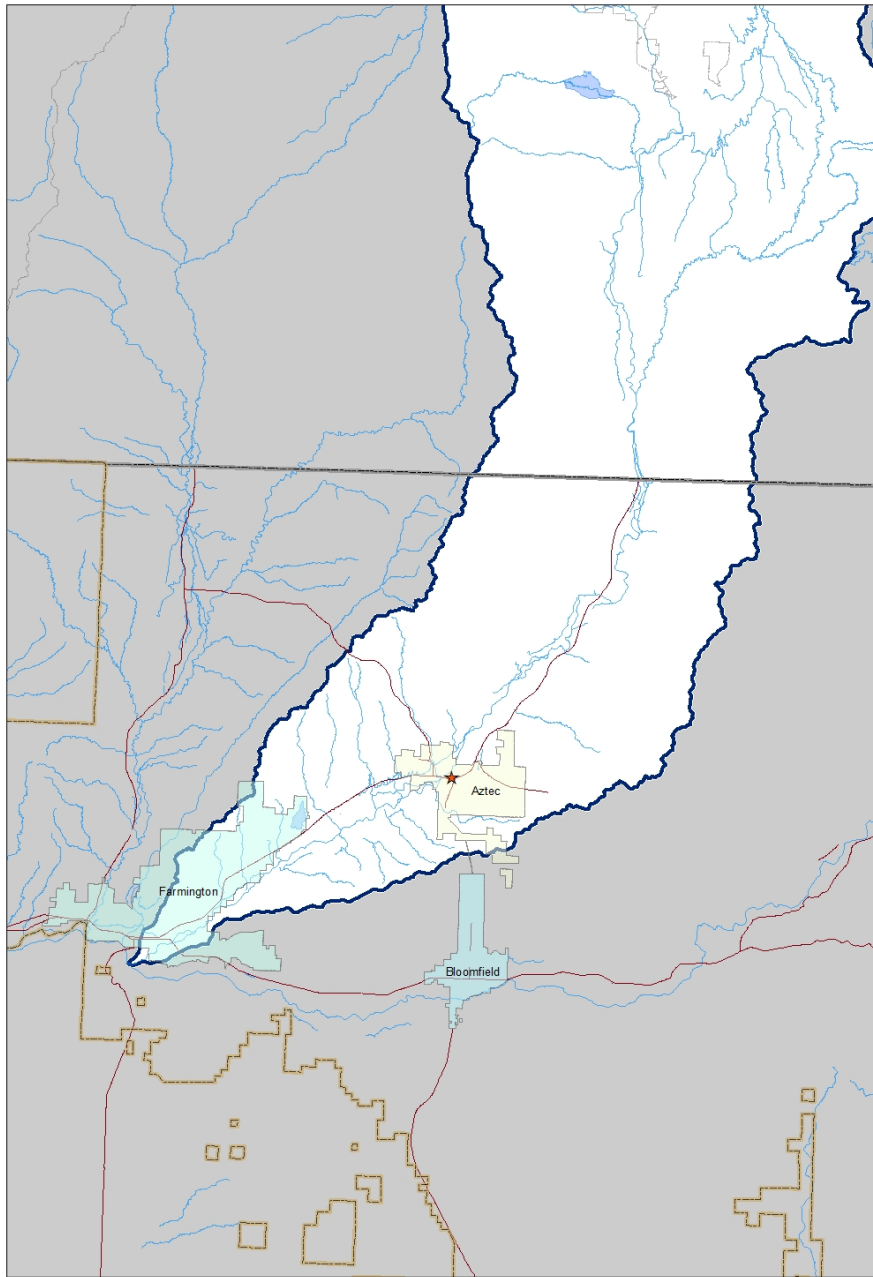
- Brings communities together
- Better representation of local flood risks
- Community participation leads to success
- Helps to establish watershed-based partnerships
- Helps local officials:
 - ✓ Plan for the risk
 - ✓ Take action to protect communities
 - ✓ Communicate the risk to citizens



New Mexico Watershed Map



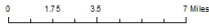
Discovery Map: Animas Watershed Locator Map



MAP #1180-001

| | |
|--|----------------------|
| | Major Road |
| | County Seat |
| | County Boundary |
| | Reservation Boundary |
| | Municipal Boundary |
| | Lake |
| | River |

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DISCOVER YOUR WATERSHED PROGRAM
DISCOVERY MAP LOCATOR

ANIMAS WATERSHED
 NEW MEXICO 8100-0400

EDAC FEMA

MUSIS DATA
 LATERIS
 848-99-9999

History and Local Issues

- Watershed encompasses an area of approximately 226 square miles in New Mexico and 38,156 in population
- Extends across 2 States, 1 county, and 2 communities (in NM).
- Primary river is the Animas
- Watershed affected 2015 Gold King Mine Spill
- Watershed affected by September 2013 flooding event
- Watershed affected by several flooding events in 2014

Discovery Meetings

| | | |
|---------|--|---|
| Meeting | Thursday July 28th, 2016 1:00 pm – 5:00 pm | San Juan County Fire Operations Center 209 S. Oliver St. Aztec, NM |
|---------|--|---|

Participants in Discovery

- State National Flood Insurance Program (NFIP) Coordinator
- State Hazard Mitigation Officer
- State Floodplain Management Association
- Local elected officials
- Regional authorities
- Local floodplain administrators
- Local emergency management officials
- Local watershed groups

What Kind of Information?

- Areas of repeated flooding and insurance claims
- Future development plans
- Areas of low water crossings
- High water marks from recent floods
- Areas of evacuation during high water
- Wildfire perimeters
- Master drainage plans, flood risk reduction projects and large areas of fill placement
- Local Hazard Mitigation Plans
- Other flood risk information

What Mitigation Actions will you take?

- Mitigation is any sustained action taken to reduce or eliminate long-term risk to life and property
 - What are some areas of mitigation interest in your community?



Land Use Ordinances



Local Building Codes



Management Best Practices



Mitigation Projects



Community Identified Mitigation Programs

Five Action Categories

| | |
|---|---|
| Land Use Ordinances | <ul style="list-style-type: none">• Zoning, Open space preservation• Floodplain management, Stormwater management• Coastal zone management• Setbacks, Freeboard requirements, Higher standards |
| Local Building Codes | <ul style="list-style-type: none">• Local Inspections & Enforcement• International Building Codes• Local Regulations, Permitting Development |
| Best Management Practices | <ul style="list-style-type: none">• Hazard Mitigation Plan is a living document – update often• Integrate Natural Hazards into other Planning Efforts• Community resource management• Inter-Agency Agreements, Increase capability through partnering• Lessons learned for process improvement• Education and Training for local staff (EMI) |
| Mitigation Projects | <ul style="list-style-type: none">• Floodproofing, Relocation, Elevation, Demolition, and Acquisition• Elevate or bury utilities• Drainage Improvements (Bridge, Culverts, Dams, Levees, etc)• Restoration of Beaches, Dunes Wetlands, Erosion Control, Soil Stabilization• Non-Structural and Structural Retrofits• Safe Room Construction |
| Community Identified Mitigation Programs | <ul style="list-style-type: none">• CRS, Firewise, StormReady• National Dam Safety Program• Community Emergency Response Teams• Community Outreach and Risk Awareness - Turn Around Don't Drown |

Next Steps

- FEMA and the State will determine the path forward and scope for the study based on data and discussions with community
- Communities will be notified of the decision
- Information gathered will help the communities make better informed decisions to address the flood hazard risks that are identified



Questions?

Animas Watershed
Discovery Meeting

Congressional Briefing

July 15, 2016

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