

Discovery Meeting FEMA Region X





Introductions





Meeting Objectives

- Provide an overview of Risk MAP and Discovery
- Present known and best available data
- Discuss local flood risk and management
- Discuss the responsibility for communicating about risk to the public
- Discuss mitigation planning and projects
- Identify the most high-risk areas in the watershed



Overview: Risk MAP

RiskMAP

Increasing Resilience Together

- Collaborative approach
- Goals: quality data, public awareness, action that reduces risk
- Watershed-oriented

Focus on up-front coordination

- Discovery is mandatory
- Appendix I includes no templates and is currently draft



The Vision for Risk MAP

Through collaboration with State, Local, and Tribal entities, Risk MAP will deliver <u>quality data</u> that increases <u>public awareness</u> and leads to <u>action that</u> <u>reduces risk</u> to life and property







The Tools for Risk MAP

Along with training and technical support, Risk MAP provides updated regulatory products and non regulatory products that can be used by the community to reduce risk.









Non-Regulatory Tools







Changes Since Last FIRM Dataset















Changes Since Last FIRM Unchanged

SFHA Increase

3 B 😌 H

4

SFHA Decrease

Unchanged

Unchanged

407638.24 4767774.5 Meters

- 0

SFHA Increase

1.00

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Changes Since	2 3	
Last FIRM	Data Fields Include	Example Data Values
Unchanged	Old Study Date	e.g. 1985
	Old Model Type(s)	e.g. HEC-1 / HEC-2
	Old Zone Type	e.g. Zone A
the the	Old Topography	e.g. USGS 10-ft
SFHA Increase	New Study Info/Methods	Dates, Models, etc.
	New Study Zone	e.g. Zone AE
	New Topography	e.g. LiDAR 2-ft
SFHA Decrease	New Study Engineering Factors / Changes	e.g. new structures, gages, topo, landuse, etc.
	Estimated Structures	e.g. 9
Enhanced	Estimated Population	e.g. 27

407638.24 4767774.5 Meters



Flood Depth & Analysis Grids





Flood Depth Grids

Flood Depth Grid Creation Process







Flood Depth Grids

Depth Grid Calculated as Difference between WSE and Ground

















Enhanced Risk Assessment Analyses

- Enhancements could include:
 - Risk Assessments at sitespecific locations
 - Incorporation of locallyprovided inventory data (firstfloor elevations and/or parcel data)
 - Additional sources of flood depth grids
 - Supplemental HAZUS analyses or other types of analyses







Flood Risk Products

- Flood Risk Database
- Flood Risk Report
- Flood Risk Map





Flood Risk Report Content Overview



Flood Risk Report

For project areas including: Watershed USA, Village of Coastland, Village of Drytown, City of Floodville, Town of Waterloo, County A*, County B*, and County C*

*Spens more than one waterahed. This report covers only the area within the studied waterahes

Report Number 001

MM/DD/YYYY



Background:

- Purpose, Methods
- Risk Reduction Practices

Project Results

- Changes Since Last FIRM
- Depth & Analysis Grids
- Flood Risk Assessment
- (enhanced analyses)
 - e.g. Areas of Mitigation Interest

Summarized by Locations

Communities and Watersheds



Discovery

Discovery is the process of data mining, collection, and analysis with the goal of initiating a flood risk or mitigation project and risk discussions with the watershed

When:

- After an area/watershed has been prioritized
- Before a Risk MAP project is scoped or funded

Required for new and updated...

- Flood studies
- Flood risk assessments
- Mitigation planning technical assistance projects

Why:

- · Increases visibility of flood risk information, education, involvement
- Helps inform whether a Risk MAP project will occur in the watershed





Discovery Discussions

- View collected spatial data across watershed
- Discuss Areas of Concern: Identify Risk MAP Needs
 - Need new flood study data?
 - Need support with mitigation planning?
 - Need mitigation projects?
 - Need training on floodplain management?
 - Need support developing a flood risk outreach program?
 - What else can FEMA do to help your community become flood resilient?

Next step: FEMA to identify Risk MAP Projects

