Reaching Resilience

Region X’s approach to Risk MAP

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Atlanta, Georgia
Special Thanks

Brett Holt & Amanda Siok
FEMA Region X
The Vision for Risk MAP

Through collaboration with State, Local, and Tribal entities, Risk MAP will deliver quality data that increases public awareness and leads to action that reduces risk to life and property.
The goal of Risk MAP is Mitigation ACTION at the local level.

- Raise awareness of local hazards
- Promote flood insurance
- Higher regulatory standards
- Elevate structures
- Buyouts/Dedicated open space
- Structural flood control
- Disaster planning
- Restore floodplain natural functions
The Region X Risk MAP Process
Region X Discovery Process

Watershed Selection

Data Collection

First Contact with Communities

Discovery Interview

What type of meetings? Assign roles

Discovery Meeting

Identify Action

Discovery Report
Information Exchange

Interview enhancements

- WebEx format
- Invite larger audiences
  - Emergency managers
  - Floodplain administrators
  - Elected officials
  - Transportation
  - Public works officials
  - GIS specialists
- Multi-hazard, identify key players, local resources AND ACTION!
Discovery Meeting

• Tailored to the needs, personalities, and resources of the communities and tribes
• Can be formal, informal or both
• Group whole watershed or
• Meet with individual communities and tribes
Discovery Participants

**FEMA**
- Risk Analysts
- Engineers
- Floodplain Management
- Insurance
- Mitigation Planners

**State**
- Risk MAP Coordinator
- NFIP Coordinator
- SHMO
- Natural Hazards
- Emergency Manager
Discovery Participants

PTS/Regional Service Center (RSC)

- Facilitation
- Local knowledge
- Resource connector
- Introduction to project teams
Aligning Risk MAP with existing programs in other FEMA divisions

- FM&I
- HMA
- Other Federal Agencies
- State agencies

Identify resources
- Within FEMA
- Outside agencies
- Existing
- New funding

*Identify ACTION goals before funding projects*
Potential Risk MAP Projects
Partnership Agreements

Set expectations for FEMA, contactors, communities and stakeholders

• What will be done
• Identify source data and study methodology
• What will be done with the result

Establish timeline and respective roles

Establish project team and contact information

Not legally binding
Risk MAP Products

Regulatory products and processes
• Flood Insurance Study, DFIRM

Non-Regulatory products
• Hazus Risk Assessments
• Depth Grids
• Risk Report

Ongoing Assistance
• Technical Assistance
• Mitigation Planning
• Training & Outreach Guidance
Risk Assessments

- Depth Grids
  - CSLF
  - BFE +

- Risk Assessment Products
  - Hazus
  - AOMI

- Flood Analysis
- Landslide Analysis
- Tsunami Analysis
- Wildfire Analysis
- Earthquake Analysis
Training & Technical Assistance

- Easily accessible
- Low or no cost
- Timely
- Interesting
- Informative

Two-way communication
Enormous Region
$ tiny travel budget $
Monthly Newsletter

• News from the Region, States and communities
• Recent and upcoming events
• Project status
• Policy updates
• Training opportunities
www.starr-team.com

- Regional workspaces
- Announcements
- News and updates
- Newsletter archives
- Training calendar
- Upcoming events
- Resources and links
- Project status
Online Training

FREE to anyone
• Community Officials (local and state)
• Surveyors & Engineers
• Planners

Training can be deployed locally

CFM Credit
Sample Training Topics

NFIP Basics
CAC/CAV Training
Determining Base Flood Elevation
Developing Hazard Mitigation Plans
Elevation Certificates
Floodplain Development Permit Review
Floodplain Management in A Zones
Inspecting Floodplain Development
Hazard Mitigation Planning
HAZUS in Hazard Mitigation Planning

Letters of Map Change
Hazard Mitigation Assistance
HAZUS Earthquake Losses
HAZUS Flood Losses
Post-Flood Recovery & Substantial Damage Assessments for Planners
Preparing Data for HAZUS
Regulating Development in A Zones
Why Hydrology Matters
The Region X Help Desk

Answers on any topic

- NFIP Regulations and Compliance
- Project/Study Status
- LOMC
- Coastal Issues

RegionXHelpDesk@starr-team.com
What’s it all about?

Every step, every conversation, every meeting is an chance to identify mitigation opportunities and ways to enable communities to take ACTION.
Resilience Workshops
When do we have a Resilience Workshop?

- After flood depth grids have been created
- After the Risk Report is in draft format
- After the CCO/Public Meeting
- During or after Hazard Mitigation Plan update
What is it?

Purpose
To get federal, state, and local stakeholders together to discuss feasible strategies to reduce risk
What does it look like?

• Elected Officials Briefing
• Tribal Only Briefing
• Community Participants Workshop
Partners

FEMA
Risk Analysts, Engineers, Mitigation Planners, Earthquake Program Manager, Recovery Planner, Floodplain Management Specialists

Hazard Mapping Agencies
State Geologists
Universities

State Hazard and Environmental Agencies
- Risk MAP Coordinator
- Coastal Program Specialists
- Emergency Management
- Grants Specialist
- Hazard Subject Matter Experts

FEMA Contractors
PTS & CERC
Elected Officials Briefing

One hour, separated by lunch before community workshop

Same presentation for both meetings

Elected Officials/Executives Briefing

• High-level overview of Risk MAP process
• Explain the difference between flood mapping and Resilience Workshop
• Describe usefulness of developed data from Risk Assessments
• Describe Importance of Mitigation
## Community Resilience Workshop

<table>
<thead>
<tr>
<th>Time</th>
<th>Item</th>
<th>Facilitators</th>
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</thead>
<tbody>
<tr>
<td>1:00-1:10 pm</td>
<td>Introductions and Purpose</td>
<td>Jerry Franklin (WA Dept of Ecology)</td>
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<tr>
<td>1:10pm – 1:50pm</td>
<td>Presentation</td>
<td>Kelly Stone (FEMA)</td>
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<td>1:50pm-2pm</td>
<td>Break</td>
<td>Jamie Mooney (WA Sea Grant)</td>
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<tr>
<td>2pm-3:15 pm</td>
<td>Jurisdiction Breakouts Small Group Discussions</td>
<td>Tim Walsh (WA DNR)</td>
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<td>3:15-3:30pm</td>
<td>Reconvene / Small Group Reports Next Steps</td>
<td>Brett Holt (FEMA)</td>
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<td>Dave Spicer (WA EMD)</td>
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Multiple Hazards

- Flood
- Wildfire
- Winter Storms
- Landslide
- Earthquake
- Tsunami
Vertical Evacuation
Community Breakouts

Worksheet 1: Mitigation Action Evaluation

Materials
- Jurisdiction specific maps
- Risk Report (if any)
- Workshop (3 copies)
- Workshop (3 copies)

Dialogue
1. What are the objectives of mitigation?
2. What actions can be utilized involving involvement of government (DGE, profit, nonprofit, etc.?)

Next Steps
1. Are the objectives stated in the risk report?
2. Based on the information provided, can you move forward?
   a. Yes
   b. No

Worksheet 1: Mitigation Action Evaluation (Continued)

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<th>Mitigation Action</th>
<th>Life Safety</th>
<th>Property Protection</th>
<th>Technical</th>
<th>Political</th>
<th>Legal</th>
<th>Environmental</th>
<th>Social</th>
<th>Administrative</th>
<th>Local Champion</th>
<th>Other Community Objectives</th>
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<td>High School as potential shelter or find alternative</td>
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<td>Education and Awareness Programs</td>
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<td>Flyers, awareness items (emergencies, shelter, infrastructure)</td>
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Summary

• Multiple hazards (not just flooding)
• Active involvement of FEMA Regional staff, State partners, and the RSC throughout the process
• Continuity of PTS staff involvement from Discovery through Resilience
• Flexible Resilience Meeting format determined by watershed geography and community needs
• Emphasis on determining which resources (Risk MAP products, training, technical assistance, grant funding, etc.) are most needed to move communities toward Mitigation Action
• Aligning Risk MAP with existing programs in other FEMA divisions and beyond…
Thank you

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