



FEMA

Risk MAP Discovery

FEMA Region X

Kuskokwim Delta Watershed

Information Exchange Session

May 27, 2015

RiskMAP

Increasing Resilience Together



Information Exchange Agenda

- § **Overview of Risk MAP and Discovery**
- § **Introduction to Enhanced Risk MAP Products**
- § **Interactive Questionnaire**
- § **Close**

Overview: Risk MAP

RiskMAP

Increasing Resilience Together

- Collaborative approach
- Goals: quality data, public awareness, action that reduces risk
- Watershed-oriented
- Multi-Hazard
- Focus on up-front coordination
- Discovery is mandatory

The Vision for Risk MAP

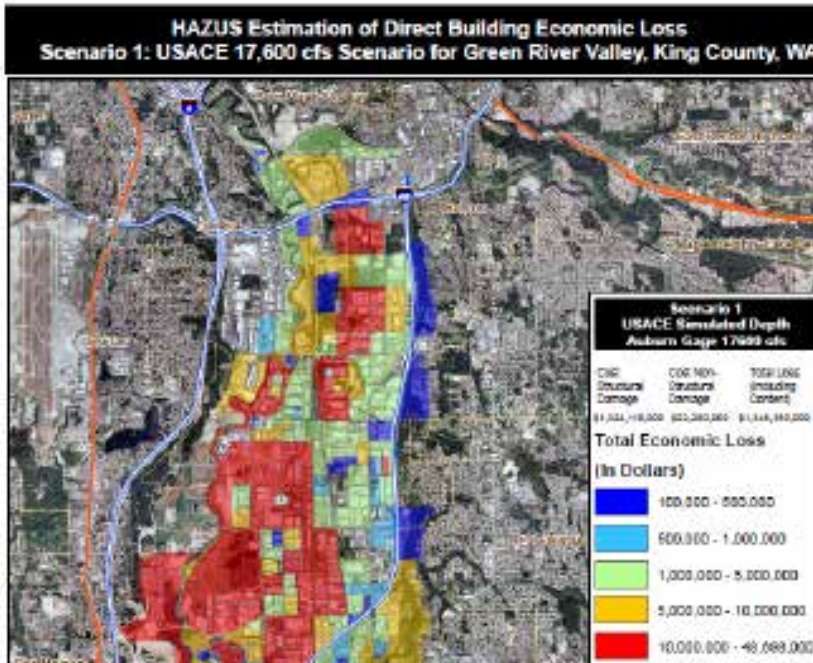
Through collaboration with State, Local, and Tribal entities, Risk MAP will deliver quality data that increases public awareness and leads to action that reduces risk to life and property



Risk MAP Products

Multi-Frequency Depth & Water-Surface Elevation (WSE) Grids

10%, 2%, 1%, 0.5%, 0.2% annual chance profiles



Inundation

- 3 feet or less
- 3 to 6 feet
- 6 feet +

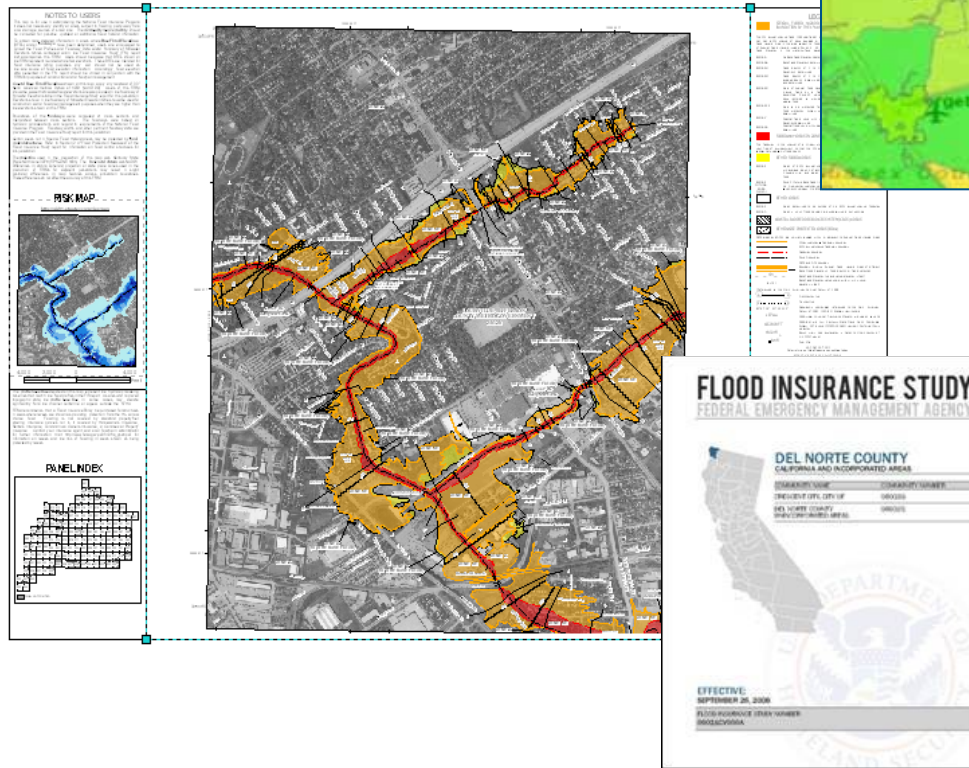
HAZUS Risk Assessment & National Flood Risk Layer

Enables communities to understand risk by reference to existing structure loss

Risk MAP Products

Contributing Hazard Factors

Highlights areas of concern identified throughout project



FIS Reports and DFIRM Maps

DFIRM and FIS will continue to fulfill regulatory requirements and support the NFIP

Discovery

Discovery is the process of data collection and analysis with the goal of initiating a hazard risk or mitigation project and risk discussions within 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



Kuskokwim Delta (City of Bethel) Watershed Discovery

§ **Federal and State Data Collection**

§ **Local Issues: Identify Risk MAP Needs**

- Need support with mitigation planning?
- Need mitigation projects?
- Need new flood study data?
- Need training on floodplain management?
- Need support developing a hazard risk outreach program?
- What else can FEMA do to help your community become resilient?

§ **Pre-Discovery Interview: May 27, 2015**

§ **Discovery Meeting: TBD**

§ **Risk MAP Project(s) Identified**

§ **Possible FEMA Funding Allocated for Risk MAP Project**

Discovery Questionnaire Overview

§ Local Contacts

§ Data

- LiDAR
- Local or Regional GIS Data

§ Mitigation Planning

- Desired Mitigation Projects

§ Local Hazards

- Earthquakes
- Wildfires
- Landslides
- Severe Storms
- Flooding

§ Levees

§ Environmentally Sensitive Areas

§ Communications and Outreach

§ Compliance and Training

Contact Information

- § **Is our contact information complete and accurate?**
- § **Are there others we should contact before the Discovery meeting?**

Topographic Data - LiDAR

- § **Map shows known LiDAR coverage**
- § **Any additional data?**

Local and Regional GIS Data

- § **Local and regional data can be used in regulatory or non-regulatory products**
- § **Helpful in identifying levels of risk within community for educational purposes**

Mitigation Planning

- § **What do you value in your community?**
- § **How much were you involved with developing your current plan?**
- § **Do you desire support with planning in the future?**
- § **What kind of technical assistance or support would you benefit from?**

Desired Mitigation Projects

- § **Does your current plan include all desired mitigation projects?**
- § **Repetitive loss structures in your community?**
- § **Do you have evacuation, response, or recovery plans adopted and in practice?**
- § **Does your emergency management office have a plan for resilience?**
- § **Are there other flood-related mitigation projects that you will be adding to your next mitigation plan update? Where? Why?**
- § **Past grant projects? Successes?**

Local Hazards

- § Earthquakes
- § Wildfires
- § Landslides
- § Severe Storms
- § Flooding

Things to consider

- § Hazard areas mapped?
- § Response plans in place?
- § Is mitigation possible?
- § Are your citizens aware of the hazard?
- § How to communicate hazards and motivate risk reduction



Levees

- § Know of any in your community? Where?
- § Provide base (100-yr) flood protection
- § Certification of compliance with 65.10

Environmentally Sensitive Areas

- § **Any ESAs in your community?**
- § **Locations and details welcome**

Communications and Outreach

- § Residents look to local officials for flood risk information
- § Risk MAP to provide tools, templates, resources to support local officials in communication
- § Goal to increase local knowledge of flood risk (not just insurance requirement)

Compliance and Training

- § **Need support with your floodplain management program?**
- § **Could use a little training?**

Questions?

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