Discovery Meeting: Lower Wisconsin

November 16, 2011
Introductions

- Risk MAP Project Team
- Local partners and officials
- State partners and officials
- Other Federal Agency partner representatives
- Private-sector entity representatives
- Congressional and State legislative staff
Agenda

- Why We’re Here
- Communities in the Lower Wisconsin Watershed
- Risk MAP Program Overview
- Discovery Overview & Discussion
- Flood Risk Assessment Products Overview
- Mitigation Planning and Communication
- Questions to Consider
- Next Steps
Why We’re Here

- Start a dialogue about your flood risk
- Understand your needs and priorities
- Communicate available resources
- Offer partnerships and answer questions
- Give you a complete, current picture of your flood hazards and risks to help you better:
  - Plan for the risk
  - Take action to protect your communities
  - Communicate the risk to your citizens
Communities in Watershed

Lower Wisconsin Watershed
- Counties: Columbia, Crawford, Dane, Grant, Iowa, Richland, Sauk
- ~3600 total stream miles and ~1200 mapped

Focus Area:
- Studied streams with outdated methodologies
- Unstudied streams with development pressure or other issues
- Iowa and Richland counties
Risk MAP Program and Project Overview
Program Overview

- **Risk MAP**
  - Mapping – Flood hazard and risk identification
  - Assessment – HAZUS and other risk assessment tools
  - Planning – Hazard mitigation planning and HMA grants

- **Risk MAP Vision**
  - Deliver quality data
  - Increase public awareness of flood risk
  - Encourage local/regional actions that reduce risk
Risk MAP Project Timeline

- Discovery Meeting
- Project Kickoff*
- Flood Study Review
- Resilience Meeting
- Final CCO Meeting

3-5 Year Process

*Kickoff and subsequent steps will only occur if a Risk MAP project is conducted.
Discovery Process

- **Data Collection**
  - Collect information about the communities in the watershed
  - Develop draft Discovery Report and Map

- **Discovery Meeting**
  - Present potential flood risk products and get feedback
  - Discuss and prioritize areas needing flood risk study
  - Discuss local planning and communication assistance

- **Outcome**
  - Finalize Discovery Report and Map
  - Develop a scope of work and budget for Risk MAP project
  - Determine available local contributions
Risk MAP Project Benefits

- Flood risk products and flood hazard maps that are:
  - Developed by FEMA in accordance with communities
  - Based on the best available data from the community and latest technologies
  - Conducted by watershed
  - Strengthened by partnerships

- Risk MAP tools and data can be used to:
  - Create or improve your Hazard Mitigation Plans
  - Make informed decisions about development, ordinances, and flood mitigation projects
  - Communicate with citizens about flood risk
Data Collection

- We will be asking you for the following datasets:
  - Infrastructure information for levees and new bridges, dams, culverts, and road improvements
  - Building footprints or parcel data
  - Boundary, hydrography, and transportation layers
  - Elevation data
  - Regional watershed plans
  - Information about your flood risk communication processes
Elevation Data/LiDAR Status

Columbia – March 31, 2012
Crawford – September 30, 2012
Dane – Available now
Grant – June 30, 2012
Iowa – Available now
Richland – Available now
Sauk – December 31, 2012
Local Activities That Affect Flood Risk

- **Upcoming activities that may affect flood risk**
  - Development plans
  - Planned mitigation activities

- **Local activities taken to address flood risk**
  - Stormwater management activities
  - Floodplain management activities
  - Daily operations
  - Outreach activities
Flood Risk Assessment Products
Program Product Comparisons

Traditional Regulatory Products

DFIRM Database
- Subject to statutory due-process requirements

Non-Regulatory Products

Flood Risk Database
- Not subject to statutory due-process requirements
Flood Risk Report

- **Background**
  - Purpose, Methods
  - Risk Reduction Practices

- **Project Results**
  - Changes Since Last FIRM
  - Depth & Analysis Grids
  - Flood Risk Assessment
  - Enhanced Analyses

- **Summarized by Locations**
  - Communities and Watersheds
Flood Risk Map

- Visually Promotes Risk Awareness
  - Contains results of Risk MAP project non-regulatory datasets
  - Promotes additional flood risk data not shown but located within the Flood Risk Database
Flood Risk Products

- Changes Since Last FIRM
- Depth and Analysis Maps
- Flood Risk Assessment (HAZUS)
- Areas of Mitigation Interest (if available)
1% Chance Risk (100-yr)
Mitigation Planning and Communication
Moving Beyond Floodplain Maps

1. Identify Risk

2. Assess Risk

3. Communicate Risk

4. Mitigate Risk

Transfer Risk
Reduce Risk

Map Risk Data

Plan for Risk
Assess Present and Future Risks
Goal—Measure Quantifiable Risk Reduction

Risk MAP
Reduce Loss of Life and Property

FEMA
RiskMAP
Increasing Resilience Together
Break Out Sessions
Questions to Consider

- Do you have flood hazard data used for planning/management that are not reflected on the FIRM?
- Are there inaccuracies in the FIRMs for your community? Where?
- Are there new road crossings that are not reflected on the FIRM?
- Are there areas of high population (or population growth) where a Zone A exists on the FIRM?
- Are there areas of future development pressure where a mapped floodplain would be helpful to identify risk?
- Where are problem flooding areas?
- Where are areas of concern for emergency response, i.e., evacuation routing, critical facilities, other vulnerabilities?
- Do you agree with the identified requests and needs currently shown on FEMA’s Discovery Map?
- How would you prioritize these issues and needs?
Your Discovery Maps

Discovery Meeting November 16, 2011
Lower Wisconsin Watershed
Crawford County, WI
Your Discovery Maps

Discovery Meeting November 16, 2011
Lower Wisconsin Watershed
Dane County, WI
Your Discovery Maps

Discovery Meeting November 16, 2011
Lower Wisconsin Watershed
Grant County, WI

LEGEND

- MOW Inventory of Bridges
- MOW Inventory of Dams
- FEMA Inventory of DRIMS
- FEMA Inventory of LWDRMS
- Flood Zones
- Community Boundary
- SDK Inundation
- Planar Inundation
- FEMA Flood Inundation
- FEMA Flood Risk Index

Map created on 12/24/2011 by VH/DRM for use at 11/9/11 meeting.
Your Discovery Maps

Discovery Meeting November 16, 2011
Lower Wisconsin Watershed
Iowa County, WI
Your Discovery Maps

Discovery Meeting November 16, 2011
Lower Wisconsin Watershed
Sauk County, WI

LEGEND
- Wisc Inventory of Bridges
- Wisc Inventory of Dams
- Other Inventory of Dams
- WDC Inventory of WDCs
- Green Tract
- Green Tract

Flood Zone
- Damaged by Dams
- Damaged by Flood
- Damaged by Flood
- Damaged by Flood
- Damaged by Flood

0 2.5 5 10 Miles
Next Steps

- Based on today’s discussion, you will be provided with:
  - An updated Discovery Map
  - A Discovery Report that summarizes the data collected

- Based on the discussion of your flood hazards, areas for further study will be determined and you’ll receive:
  - A draft project scope that shows the areas to be studied
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