Local Flood Mitigation Planning

Wetlands, Wildlife Habitat and Flood Hazards in the Rock River Basin - Promoting Collaboration Webinar

October 2, 2012
Webinar Preface

“We found extensive overlap between wetland and and wildlife habitats and the flood-prone areas, but also that there is a general lack of coordination among local hazard mitigation planners and wildlife and wetland agencies…”
Discussion Topics

- Orientation to Dane County
- What does “local” mean?
- Planning process
- Multi-objective planning
Overview of Dane County

Wisconsin River Basin

Yahara River (Rock River Basin)

Koshkonong Creek & Maunesha River (Rock River Basin)

Sugar River & Pecatonica River (Rock River Basin)
Define “Local”
Dane County’s Planning Process

Problem Solving Process:
• Identify the problem
• Evaluate alternatives
• Select alternatives and write the plan
• Approve plan
• Implement the plan
• Evaluate progress and revise as needed
National Mitigation Priorities

- Reduce reliance on future Federal disaster assistance
- Projects that address NFIP repetitive loss properties:
  - Acquisition and demolition or relocation of flood damaged properties
  - Retrofitting existing buildings
    - Flood proofing, elevation
  - Small structural hazard control projects
# Recent Flood Losses*

<table>
<thead>
<tr>
<th>Date</th>
<th>Damage Assessment (Initial Estimates)</th>
<th>Federal Assistance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>May 2000</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private Losses:</td>
<td>$5.0 million</td>
<td>$1.25 million (Individual Assistance)</td>
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<tr>
<td>Agricultural:</td>
<td>$3.2 million</td>
<td>Not Available</td>
</tr>
<tr>
<td>Public Losses:</td>
<td>$1.1 million</td>
<td>$940,000 (Public Assistance)</td>
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<td><strong>August 2007</strong></td>
<td></td>
<td></td>
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<tr>
<td>Private Losses:</td>
<td>$3.27 million</td>
<td>$585,000 (Individual and Household Program)</td>
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<td>Agricultural:</td>
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<td>Not Available</td>
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<tr>
<td>Public Losses:</td>
<td>$1.76 million</td>
<td>Not Declared for Public Assistance</td>
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<td><strong>June 2008</strong></td>
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<tr>
<td>Private Losses:</td>
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<td>$3.51 million (Individual and Household Program)</td>
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<td>Agricultural:</td>
<td>$64.4 million</td>
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<tr>
<td>Public Losses:</td>
<td>$6.07 million</td>
<td>$1.53 million (Public Assistance)</td>
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</tbody>
</table>
Public Input Process

• Where does flooding occur?
• How often?
• How large of an area is affected?
• How long does it last?
• What are the impacts?
• What are the contributing factors?
• What, if anything, has been done to address these issues?
• What should be done?
Problem Definition

- Depends on perspective
- Defines the nature of the solution
- Conflict management:
  - Cognitive conflict
  - Conflicting interests
  - Conflicting values
Findings

• Contributing Influences:
  – Controllable factors
  – Uncontrollable factors

• Impacts

• Complicating factors

• Conflicts
The Resulting Plan

• Underpinnings
  – Water as a resource
  – “No adverse impact”
  – Changing climate

• Multi-objective
• Multi-agency
Plan Goals

- Mitigation
- Response
- Prevention
- Coordination
- Education
Questions?