King County Flood Hazard Management Plan Update
Citizen Committee Meeting
June 12, 2012

King County

KING COUNTY
FLOOD CONTROL
D I S T R I C T

Capital Project Prioritization Issue Paper:

- How can we improve and clarify our capital project evaluation process to ensure that resources are targeted at the highest priority needs?

- Do you support amending the project prioritization approach to more effectively apply the policies in the Plan?

District Comprehensive Plan

- Goals
  - To reduce the risks from flood and channel migration hazards.
  - To avoid or minimize the environmental impacts of flood hazard management.
  - To reduce the long-term costs of flood hazard management

- Policies
  - Effectively meet site- and reach-specific flood risk reduction needs
  - Achieve benefits that exceed the total cost of projects or programs, including long-term maintenance costs;
  - Avoid the creation of new flood, channel migration or other risks that cannot be mitigated
  - Protect and, where possible, enhance aquatic and riparian habitat in a manner consistent with adopted salmon habitat recovery plans, and
  - Leverage flood hazard management revenues through partnerships with other agencies and stakeholders.

Flood Risk Reduction Potential

- Consequences: What would happen if no action were taken?
  - Types of land use impacted (residential, commercial, vacant, critical public infrastructure)
- Severity: How serious is the impact?
  - Human injury or death *vs* little or no damage
- Extent of Impact: What is the scale of the problem?
  - Impacts beyond the area of flooding *vs.* localized
- Urgency: How soon will the impacts occur?
  - Next high flow event *vs.* Risks are not rapidly increasing
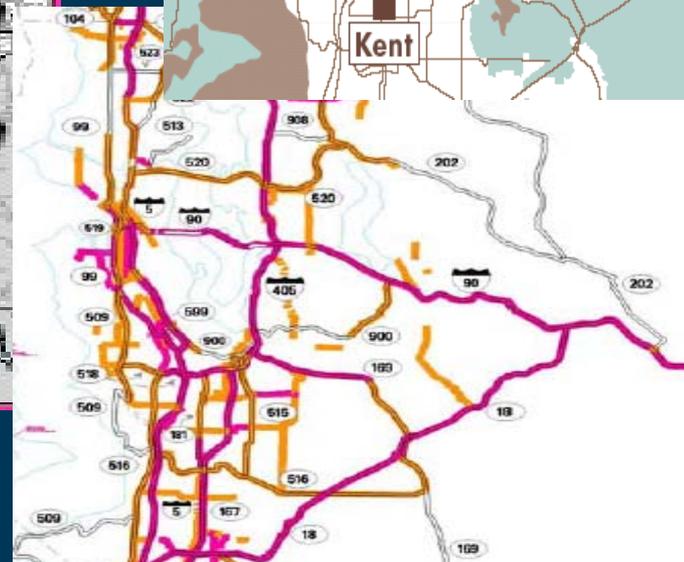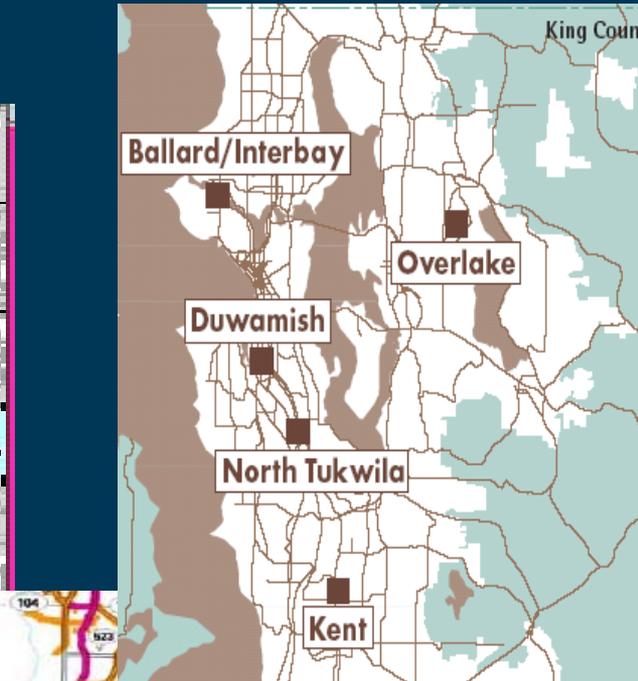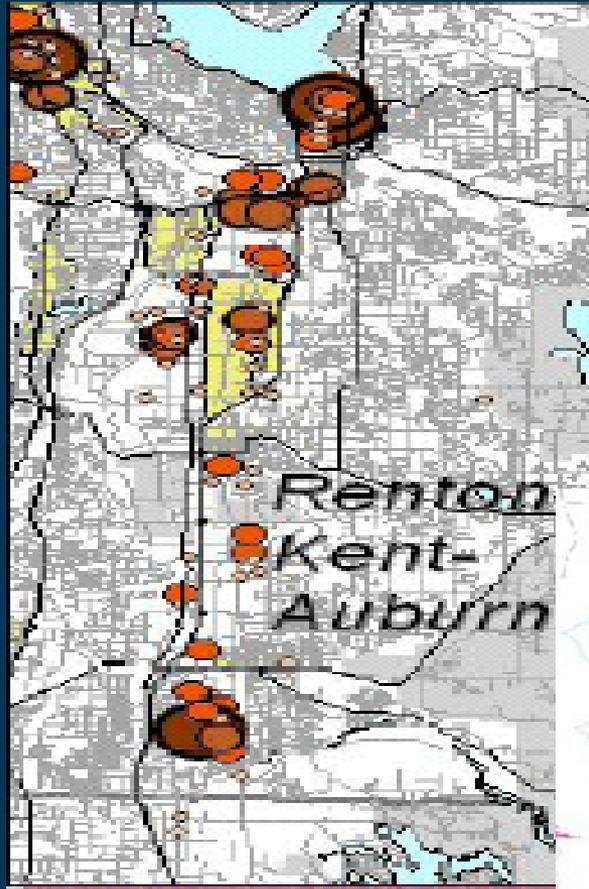
Implementation Potential

- Project Readiness
- Partnerships / Leverages Funds
- Supports multiple objectives
- Long-Term Maintenance Costs
- Programmatic Activities
  - Community Rating System
  - Meet or exceed NFIP
  - Active CIP program
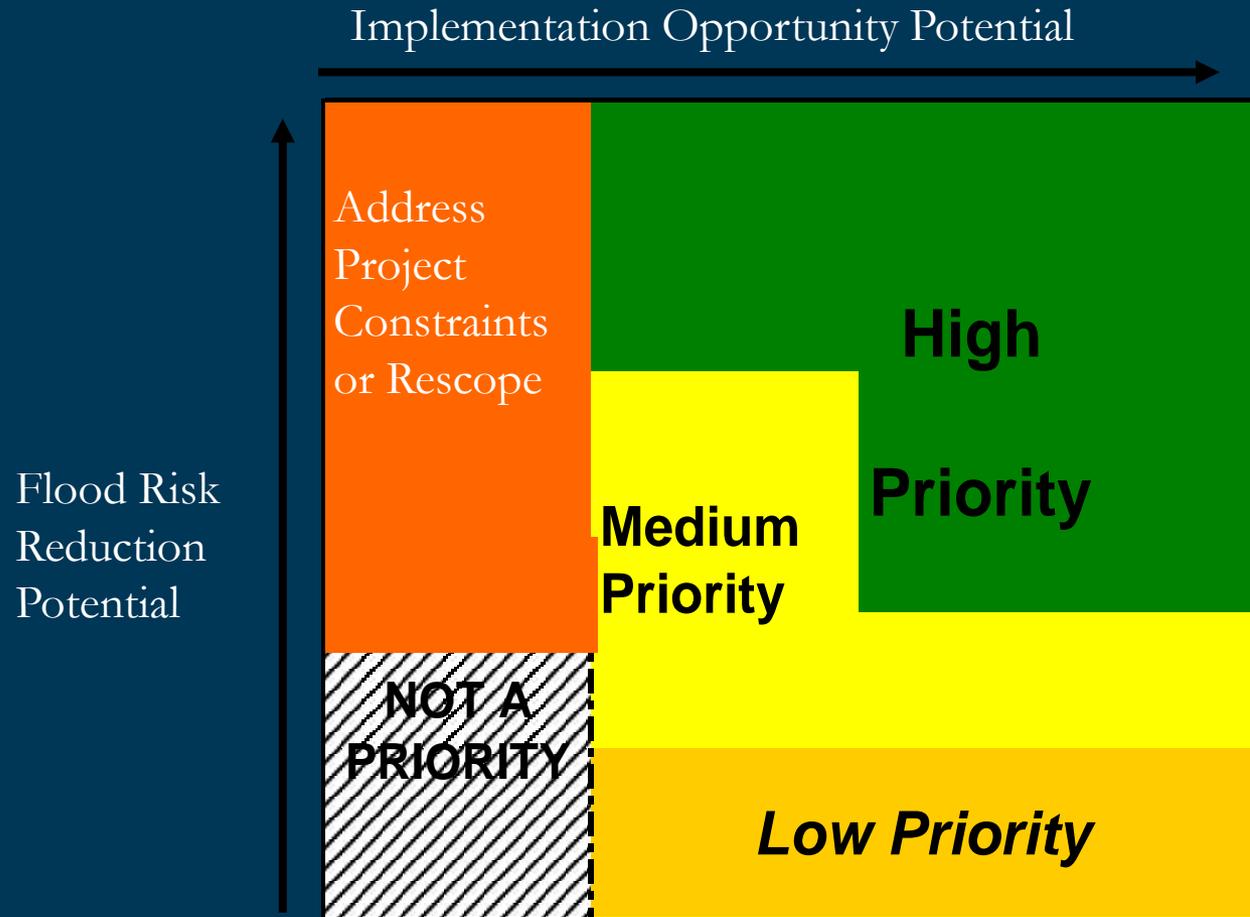 - Active O&M program

New Addition: Expand 'Consequences' to include Regional Economic Benefits:

- PSRC Employment Centers

- WSDOT Strategic Freight Corridors

- PSRC Manufacturing and Industrial Centers

Project Evaluation Criteria: Project Evaluation Approach

Implementation Opportunity Potential →

Flood Risk Reduction Potential

Address Project Constraints or Rescope	High Priority
Medium Priority	
NOT A PRIORITY	Low Priority

NOTE: This is a conceptual diagram and is not intended to imply clear and distinct thresholds between these categories.
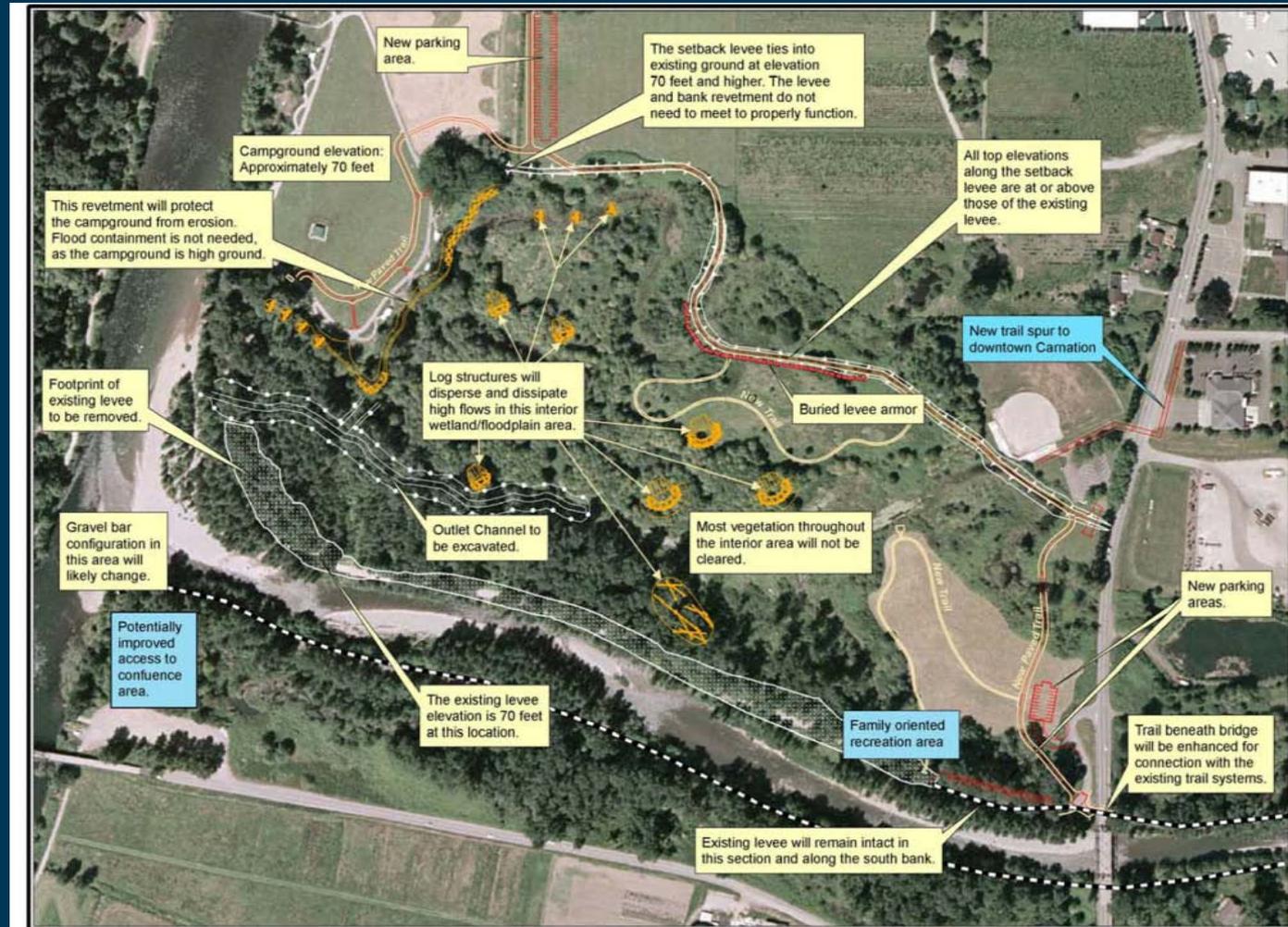
Example: High Priority, High Implementation

- Reduce risk to residents
- Reduce risk to infrastructure
- Acquisition of river bend allows setback or removal of levee to increase storage and conveyance
- Multiple landowners
- Multiple partnerships
- Multiple fund sources (12 separate grants)
- Multiple years to complete

Cedar Grove Mobile Home Park

Rainbow Bend Levee

Example 2: Moderate Priority, High Implementation

- Tolt Mouth to SR-203 Reconnection
  - $700,000 FCD funding
  - 10% of project cost
  - Ready for construction

Project Eligibility

- 2006 Plan assumed consistency with Plan policies – then projects solicited from outside 2006 Plan

- Project evaluation approach does not have a clear set of eligibility requirements

Selecting the Right Project

- Risk criteria evaluate the problem, but not the solution

- Implementation criteria include some assessment of the solution, but not a clear evaluation of suitability

- Repairs: Chasing the last flood or preparing for the next flood?

Policy Considerations: Eligibility

- Included in adopted flood or stormwater plan (required by RCW)

- Jurisdiction in good standing with NFIP and Biological Opinion

- Project is in a mapped flood or channel migration area

- Ineligible Projects (1993): undeveloped land, federal/state property only, future development potential, private roads/ bridges

Policy Considerations: Selecting the Right Project

- Tease out project suitability factors from implementation criteria – long-term maintenance, benefit-cost, etc.

- Repairs should be consistent with strategy for the reach
  - Extra level of review if repair is necessary in short-term while long-term solution is implemented
  - Focus on long-term solution wherever possible

Brian Murray

206-296-1906

brian.murray@kingcounty.gov

www.kingcounty.gov/flood

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