



White River Flood Safety Information Meeting

September 17, 2009



This evening's topics:

- Long Term Flood Risk Reduction Projects and Efforts
- Near Term Flood Risk Reduction Efforts

Long Term Flood Risk Reduction Projects and Efforts

Long term capital projects

- Increase flood water storage and conveyance
- Reduce flood risks
- Rely on voluntary acquisition of private property
- Include study of sediment trends to build good long term projects

Countyline Setback Project

- Where:
 - Left bank of the river (east)
- Goals:
 - Increase in flood storage and conveyance as well as improve habitat
- Schedule:
 - 2009 Design, permitting, easement acquisition
 - 2010 Construct setback berm
 - 2011 Remove existing levee
 - Benefits realized the 2011 flood season



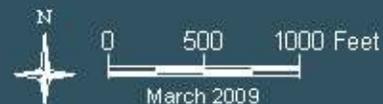
Countyline Project Construction

Phase I

-  Project area
-  Setback levee
-  Bioretment and riparian buffer
-  Engineered log structures

Phase II

-  Levee and revetment removal



Right Bank Setback Project

- Where:

 - Right bank of the river (west)

- Goals:

 - Increase in flood storage and reduce flood risks

- Schedule:

 - 2009 Phase I Land acquisition

 - 2010 Phase II Land acquisition and design

 - 2010 / 2012 Phase III Permitting and construct setback berm

Right Bank Setback Project Concept



Phase 1: Acquisition

Right Bank Setback Project Concept

Phase 1: Acquisition

**Phase 2: Acquisition and
design**

Right Bank Setback Project Concept

Phase 3: Permitting and construction

Phase 1: Acquisition

Phase 2: Acquisition and design

Longer-Term Flood Response Actions on the White River

- **City of Pacific Gravel Removal Proposal**
 - City is pursuing grant funds to prepare design and permits
 - Proposal to be evaluated with other FCD projects in 2010 for funding
- **Corps & King County 205/206 Partnership**
 - King County issued letter of intent in 2009
 - Quantify flood control and ecosystem restoration needs
 - Identify viable project alternatives
 - If partnership established, projects initiated in 2013
- **Corps & King County General Investigation**
 - Understand sediment movement from upper watershed through reservoir & dam and delivery to downstream reaches
 - King County issued letter of interest in 2009
 - Coordinate with Puyallup Rivers Executive Task Force

Near Term Flood Risk Reduction Efforts

Sharing technical information

- King County surveyed the White River (July)
- USGS/Pierce County surveyed Puyallup and lower White River (August)
- Survey data provided to USGS and Corps (August)
- Flow capacity of channel study by Corps (October)
- Analyses shared by agencies to support project actions

Increased Communication

- October agency meetings (King County, Pierce County, Corps, Cities, National Weather Service)
- Increased coordination during flood events with Corps dam operators and Flood Warning Center

Flood Warning Center Operations

- Collect and provide flood warning information
- Warn citizens, businesses, and officials of potential and existing flood conditions
- Patrol and evaluate river and flood facilities
- Support emergency response activities



King County
Always at your service

Flooding

Services and Resources for King County, Washington

PRINT-FRIENDLY

You're in: Flooding services » Flood warning system

Flooding services

Flood warning system

Rivers map

How to prepare for a flood

Phone Numbers

Rain Gages

Flood buyouts and elevation

Floodplain maps

Flooding documents

Historical floods

Flood Control District

Bank stabilization projects

Regulations update

Levee vegetation speech

Community rating system

Archived news



King County Flood Warning System

- [How to prepare for a flood](#)
- [Important phone numbers and Web sites](#)
- [National Weather Service: current flood watches, warnings and statements](#)
- [Map of river basins in King County](#)

Flood information by river

Real-time gage readings, flood phase info, maps

Skykomish River	Snoqualmie River	Tolt River	Raging River	Cedar River	Green River	White River	Issaquah Creek
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King County provides funding to the United States Geological Survey to support the operation and maintenance of river and stream gages and related systems.

What is the purpose of the King County Flood Warning Program?

To warn residents and agencies of impending floodwaters on major rivers so they can take action and

Related information

- [Environmental monitoring data](#)
- [Stormwater services](#)
- [Flooding services and information](#)
- [Rivers and Floodplain Management Section](#)

Related agencies

- [Department of Natural Resources and Parks](#)
- [Water and Land Resources Division](#)

Increased Flood Patrols

- Additional King County staff to provide on-the-ground monitoring of flood conditions and inspections of flood facilities
- Serves as the “eyes and ears” of the Flood Warning Center
- Swift coordination with other patrols (City, Corps and Pierce County)

Other FWC Changes

- New automated flood warning notification system
 - Receive an automatic phone call, text message and/or e-mail warning you when river level is rising or significant changes in dam operations
 - Watch www.kingcounty.gov/floodplans for more information
- Supporting cities in their sandbag distribution when flooding is forecast

Temporary Flood Protection Measures

- Proposal to US Army Corps of Engineers to provide temporary flood protection barriers
- Similar to Right Bank Setback alignment
- Dependent on:
 - Washington DC approval and funding
 - King County funding
 - property access
 - Identifying potential impacts and mitigation



Temporary Flood Protection Measures



Plan Ahead

Stay informed

www.kingcounty.gov/floodplans

Flood Warning Center and Flood
Warning Information Phone
message

CALL: 206-296-4535 or 800-768-7932