

### Kent Local Emergency Planning Committee

Howard Hanson Dam, Green River Flood Safety Information

May 20, 2009

# King County Flood Warning Center

Response to Howard Hanson Dam Operational Changes



#### Flood Warning Center

To gather, analyze and distribute flood warning information so residents, businesses, and emergency response agencies can make critical health, safety and economic decisions during flood events.



#### Flood Warning Center Flood Phase Thresholds

Phase	<b>Tolt River</b> (near Carnation)	<b>Snoqualmie</b> (Sum of Forks)	Issaquah Creek (near Hobart)	<b>Cedar River</b> (Landsburg)	Green River (Auburn)	White River (above Boise Creek at Buckley)
ı	Inte	rnal alert, pı	5,000 cfs	5,000 cfs (Unless COE or NWS calls with specific info)		
П	Oper	n FWC, Issu	e Public Warı	ning	7,000 cfs	8,000 cfs
III	Issue 21	nd Public W	<mark>arning, Begin</mark>	Patrol	9,000 cfs	10,000 cfs
IV		Issue 3rd Pu	blic Warning		12,000 cfs	12,000 cfs



#### KING COUNTY FLOOD WARNING PHASE THRESHOLD AND FLOOD PEAK SUMMARY

Phase	<b>Tolt River</b> (near Carnation)	Snoqualmie (Sum of Forks)	Issaquah Creek (near Hobart)	Cedar River (Landsburg)	Green River (Auburn)	White River (above Boise Creek at Buckley)
1	1,500 cfs	6,000 cfs	6.5 ft	1,000 cfs	5,000 cfs	5,000 cfs (Unless COE or NWS calls with specific info)
П	2,500 cfs	12,000 cfs	7.5 ft	2,800 cfs	7,000 cfs	8,000 cfs
III	4,500 cfs	20,000 cfs	8.5 ft	3,500 cfs	9,000 cfs	10,000 cfs
IV	7,000 cfs	38,000 cfs	9.0 ft	4,200 cfs	12,000 cfs	12,000 cfs

#### RECENT LARGE FLOOD PEAKS

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<b>Tolt River</b> (near Carnation)	Snoqualmie (Sum of Forks)	Issaquah Creek (near Hobart)	Cedar River (Landsburg)	<b>Green River</b> (Auburn)	White River (near Buckley)		
<b>11,400 cfs</b> 11/29/95	<b>50,100 cfs</b> 11/24/90	<b>9.90 ft</b> 11/24/90	<b>10,800 cfs</b> 11/24/90	<b>11,500 cfs</b> 11/24/90	<b>14,100 cfs</b> 1/9/90		
<b>11,800 cfs</b> 12/15/99	<b>49,350 cfs</b> 11/29/95	<b>9.75 ft</b> 2/8/96	<b>6,580 cfs</b> 11/30/95	<b>12,400 cfs</b> 2/8/96	<b>13,200 cfs</b> 12/1/95		
<b>10,500 cfs</b> 11/6/06	<b>53,476 cfs</b> 11/6/06	<b>9.31 ft</b> 11/6/06	<b>4,670 cfs</b> 11/6/06	<b>12,200 cfs</b> 11/7/06	12/1/95 11,700 cfs <sup>1</sup> 11/9/06		

King County

oodWARNphase.ai

Open the King County Flood Warning Center earlier in response to major storm forecasts:

- Monitor river, weather and flood conditions
- Gather information for analysis and distribution
- Coordinate with other jurisdictions' emergency operations centers
- Respond to both citizen inquiries
- Warnings issued sooner to police, fire departments, other local, federal and state agencies



Change notification thresholds based on dam releases rather than observed flows at Auburn.

■ Flood phase thresholds are reached seven hours earlier

Provides more time for flood notification, preparation and response



- Increased Flood Patrols (King County, Corps of Engineers, and City staff)
  - Additional staff to provide on-the-ground monitoring of flood conditions and inspections of flood facilities (e.g., levees)
  - Serves as the "eyes and ears" of the Flood Warning Center



- New automated flood warning notification system coming next flood season
  - Receive an automatic phone call, text message and/or e-mail warning you when river level is rising or significant changes in dam operations
  - Can reverse 9-1-1 if necessary
  - Sign up today to be notified of when this free automated system is available for enrollment (sign up sheet at resource information table)



- Sand bags and sand will be available at several key locations in King County
- Assessing immediate actions that can be taken to minimize flood risks
- Working with the Corps of Engineers to pursue levee repairs for 2009



#### Flood Hazard Area Mapping

- King County developed FEMA flood study models for the Green River
- King County and the Corps of Engineers are collaborating:
  - Corps preparing dam operation scenarios for higher flows from the dam
  - Corps and King County using existing models to map potentially flooded areas



#### Preparedness – What can you do?

- Sign up for automated flood notifications
  Service will begin in the fall. Information sign up sheet at this meeting
- Buy a Weather Radio
- Purchase flood insurance
- Determine your evacuation route
- Create a disaster plan for you and your family
- Call the Flood Warning Center and Flood Warning Information recorded message



## King County Flood Warning Center

206-296-4535 or 1-800-768-7932

Recorded Flood Information 206-296-8200 or 1-800-945-9263

www.kingcounty.gov/flood

