

Flood Preparedness

Cedar River Council Meeting

October 26, 2021

Ken Zweig, Program Manager

Department of Natural Resources and Parks
Water and Land Resources Division
River and Floodplain Management Section

Service provider to the King County Flood Control District



Flood Awareness



2020-2021 BE FLOOD READY YOUR GUIDE TO FLOOD PREPAREDNESS IN KING COUNTY

Hello!
If you are receiving this brochure by mail, your home or property is in or near a floodplain.

KING COUNTY RIVERS MAP →



You've Got This – Be Flood Ready!

A message from the King County Flood Control District

Throughout this difficult year, people across King County have made sacrifices to protect each other, neighbors have looked after one another, and we have all found new ways to carry on. I have been deeply moved by our community's care, compassion, and resiliency. Thank you.

We will need to continue to look after one another as we prepare for the 2020-2021 flood season.

Floods are dangerous and destructive, threatening our safety, blocking the movement of people and goods, and causing significant damage. During our last flood season we had some of the most severe floods of recent years with seven significant flood events and record rainfall. And folks, 2020 isn't over yet—the rain is coming, and with it the risk for flooding.

As the new chair of the King County Flood Control District Board of Supervisors, I want you to know about the pivotal actions we are taking to reduce flood risks in the county. Since its creation in 2007, the Flood District has invested millions in projects that protect our community from flooding and has raised awareness of flood risks and emergency preparedness. Our investments deliver multiple benefits—protecting public safety and infrastructure, while restoring habitat and water quality, and addressing coastal erosion. Our work saves lives, supports the economy, and is good for the planet.

When it comes to being Flood Ready, we all have a role to play. Here's how you can prepare:

- **Know your flood risk.** Visit kingcounty.gov/floodmaps and scroll to "King County iMap" or call 206-477-4812.
- **Obtain flood insurance.** Go to floodsmart.gov to rate your flood risk, estimate premiums and find an agent.
- **Stay informed.** Sign up for King County Flood Alerts and download the King County Flood Warning App at kingcounty.gov/flood.
- **Turn around. Don't drown.** Never walk, swim, or drive through flood waters.
- **Share this information with your loved ones.** Inform your friends and family.

Thank you for taking the time to read this, get prepared, and support one another.

Dave Upthegrove

Dave Upthegrove
Chair, King County Flood Control District

kingcountyfloodcontrol.org | @CMUpthegrove



Flood waters inundate SR168 during historical rains in February 2020.

Resilience starts with preparation

A few days of steady rain. Rivers swell. Suddenly, weather that was simply wet becomes dangerous, and attention turns to safely evacuating people and barricading homes, businesses, and farms with sandbags.

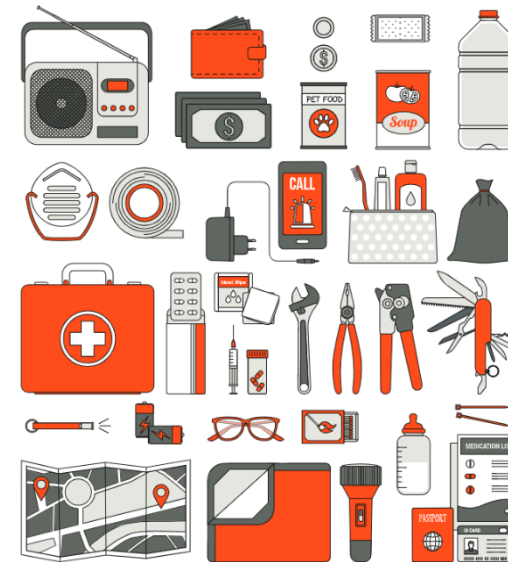
It's a scenario we are all too familiar with in Western Washington. The wet conditions that keep our region green can also cause flooding, erosion, and landslides. Our region's rain-generated beauty also brings the responsibility to prepare for the unpredictable and powerful nature of water.

The King County Flood Control District invests millions of dollars protecting people, property, and livelihoods by reducing flood risks. Flood District resources and tools including the Flood Warning Center, Flood Alerts, and the Flood Warning App provide early and real-time flood information to safeguard people and property.

Reducing flood risks requires collaboration. To reinforce resiliency, the Flood District has built strong partnerships with King County jurisdictions, tribes, nonprofits, and state and federal agencies. Businesses and individuals must also do their part. Did you know that homeowners insurance does not cover flood damage? Go to floodsmart.gov to rate your flood risk, estimate premiums and find an agent.

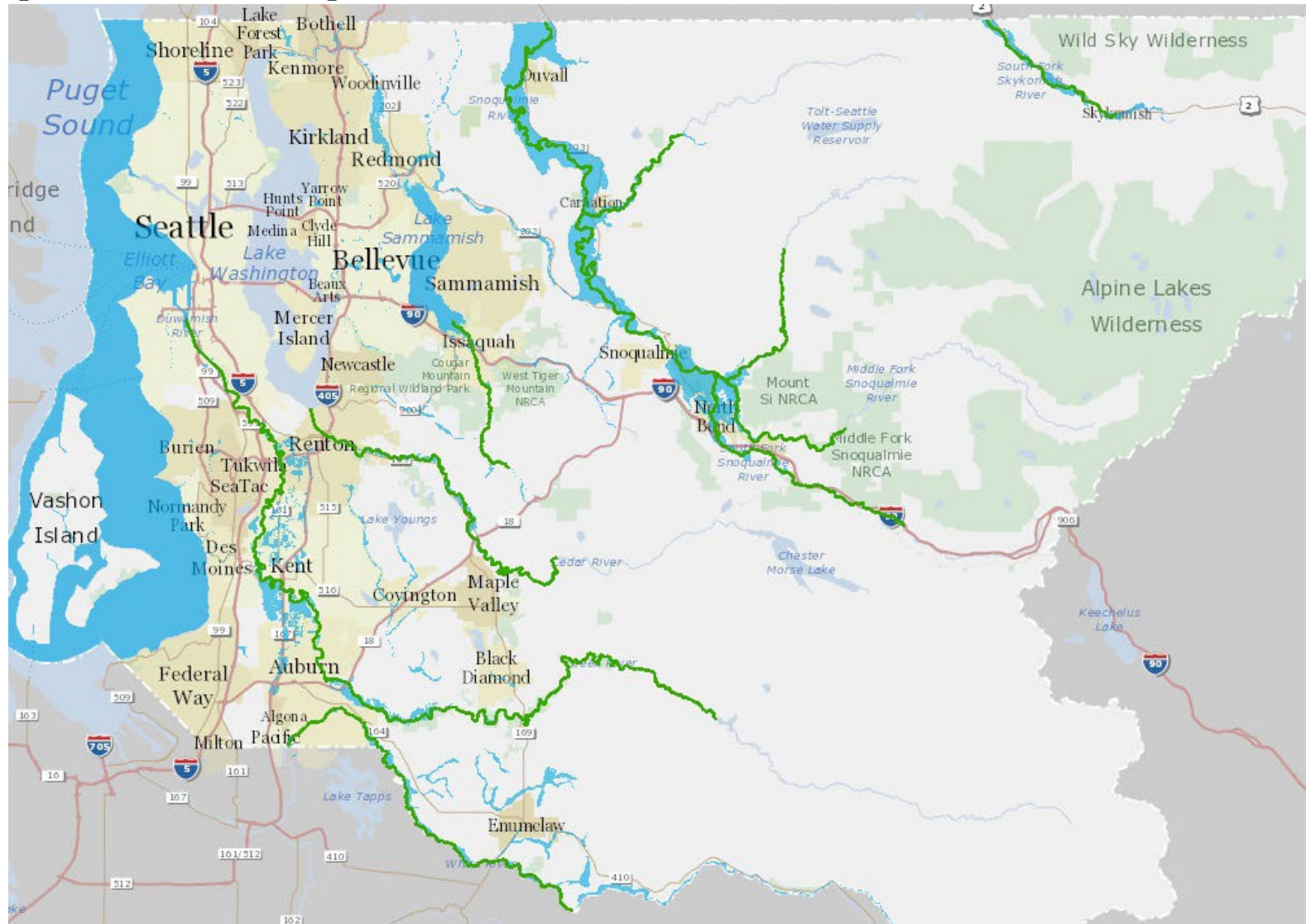
Last year, King County experienced historic flooding. Together, we can be prepared for what the 2020-2021 flood season brings.

Recommended Emergency Kit Supplies More at: Ready.gov/kit



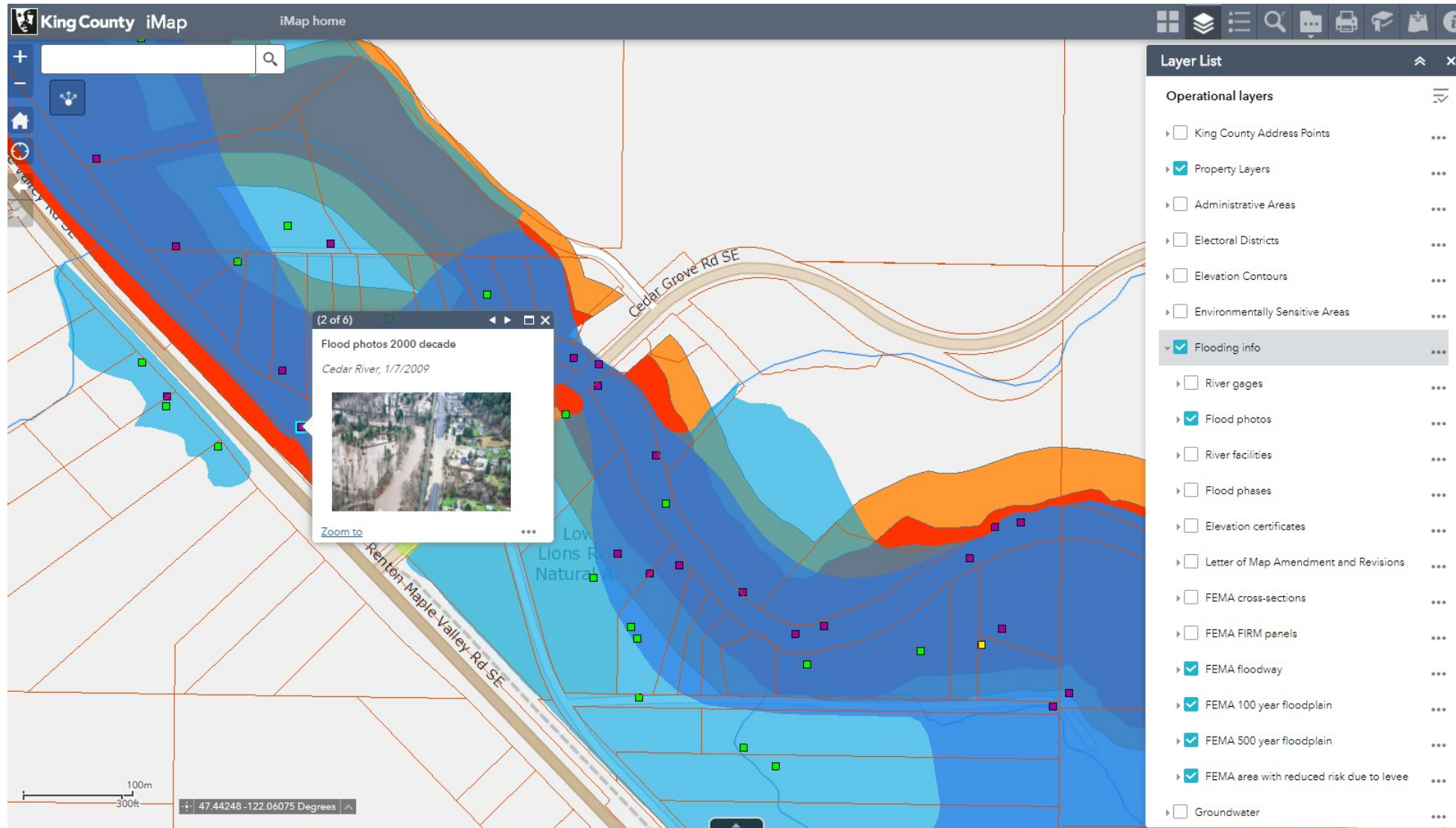
- Battery or crank-operated radio and extra batteries
- First aid supplies and a whistle
- Flashlight with extra batteries
- Copies of important documents in a plastic bag (driver's license, insurance and bank information, and contact information)
- Several days' worth of water and non-perishable food for your family and animals
- Warm clothing, sturdy shoes/boots, and blankets
- Personal hygiene and sanitation supplies
- Prescription medicines
- Comfort items for children (blanket, books, toys)
- Cell phone with chargers and back-up batteries

Mapped Floodplains

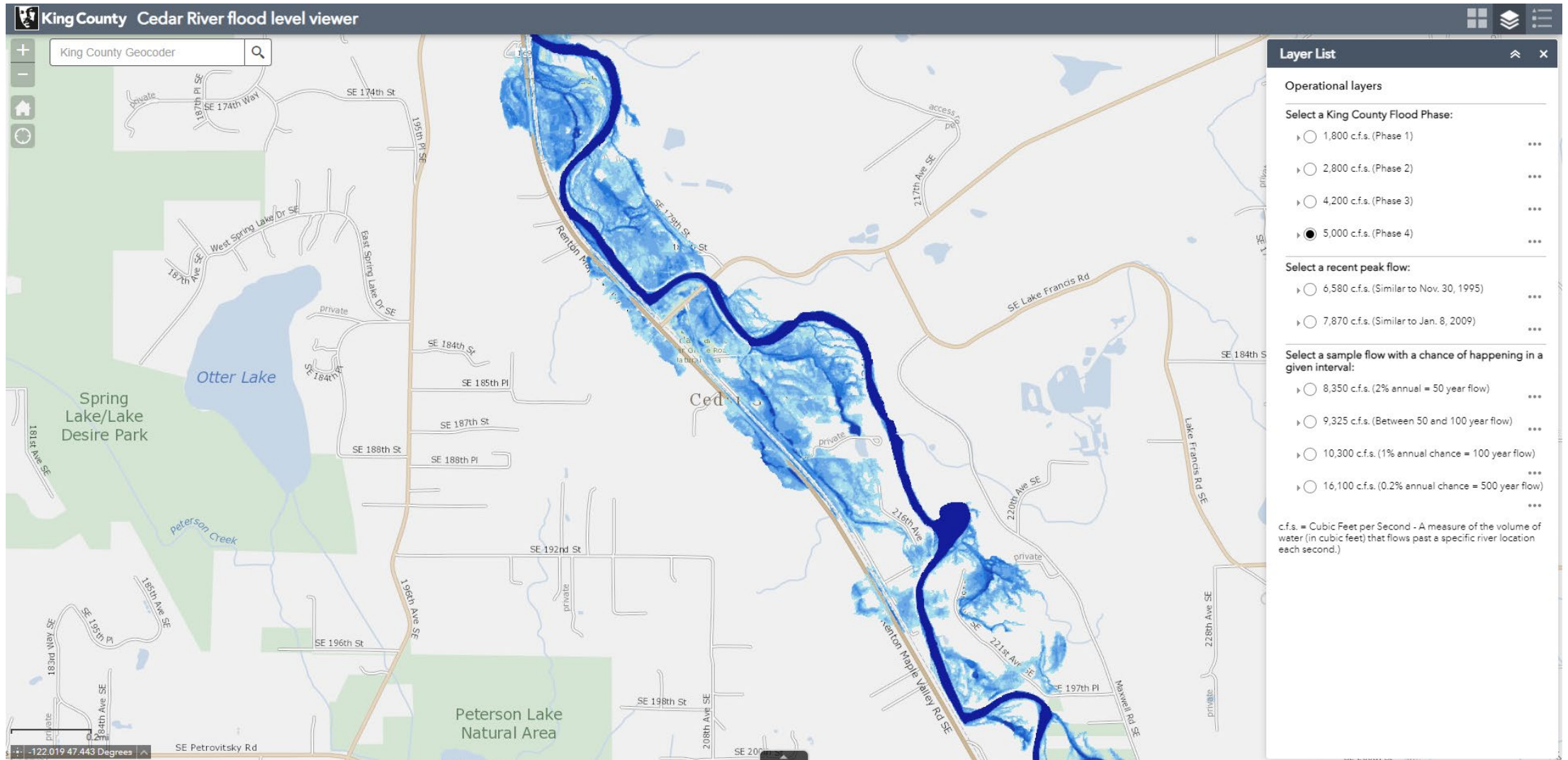


 FEMA 100 year floodplain

Hazard Mapping



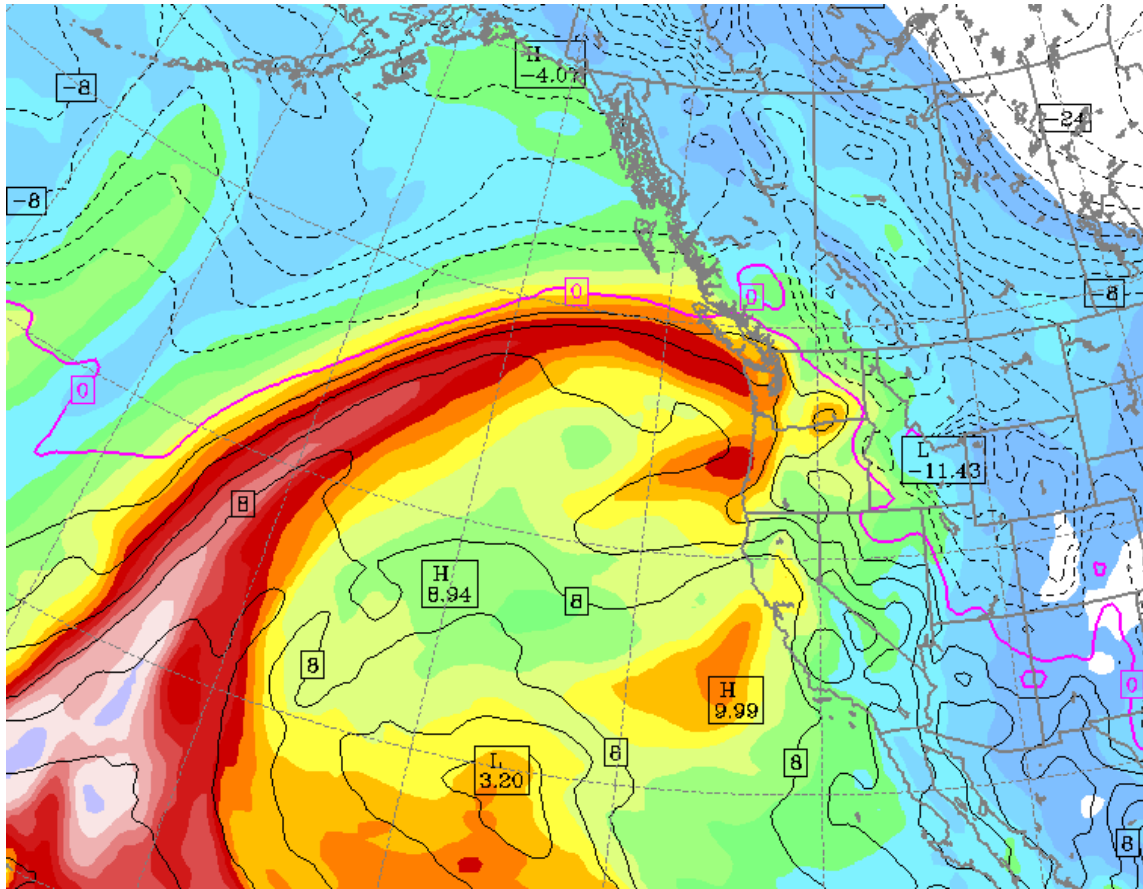
Cedar River flood level viewer



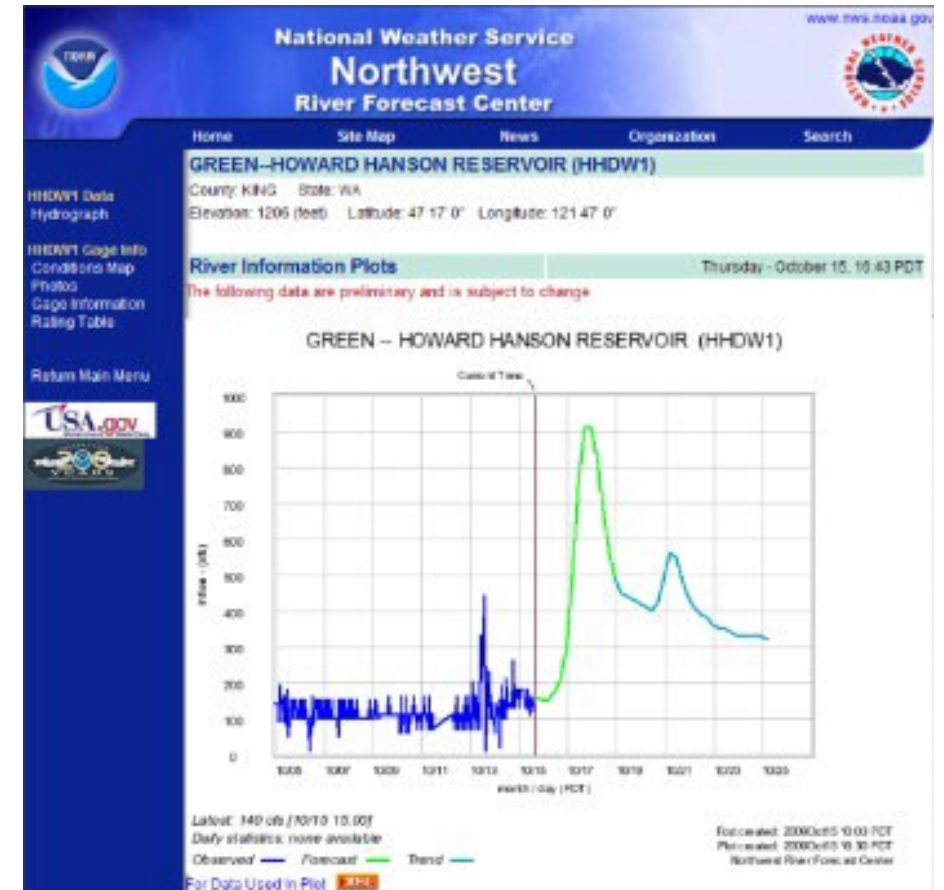
Flood Warning Center Mission

To gather, analyze and distribute flood warning information so that residents, businesses, property owners and emergency response officials can make critical health, safety and economic decisions before, during and after flood events.

National Weather Service





Atmospheric River: Feb. 5, 2020



River forecast data

Road Closures



Map layers ▾ Map legend ▾ More ▾ 

Be prepared for flood season this fall. Tips and information on the [Roads and Flooding website](#).



Tweets

by @kcrowds




KC Road Services

@kcrowds



 1 of 2 lanes on SR 169 (Cedar Grove Rd SE to 196th Ave SE) in Maple Valley will reopen at 8 pm tonight. Both lanes to reopen by 5 am Thurs, Oct 21. Flaggers will direct 2-way traffic thru open single lane tonight. 🚧 @KCDNRP @blog_maple @wsdot_traffic @TrafficwaA @KCCReaganDunn





Road Alerts

Updated: 10/20/2021 1:47:00 PM

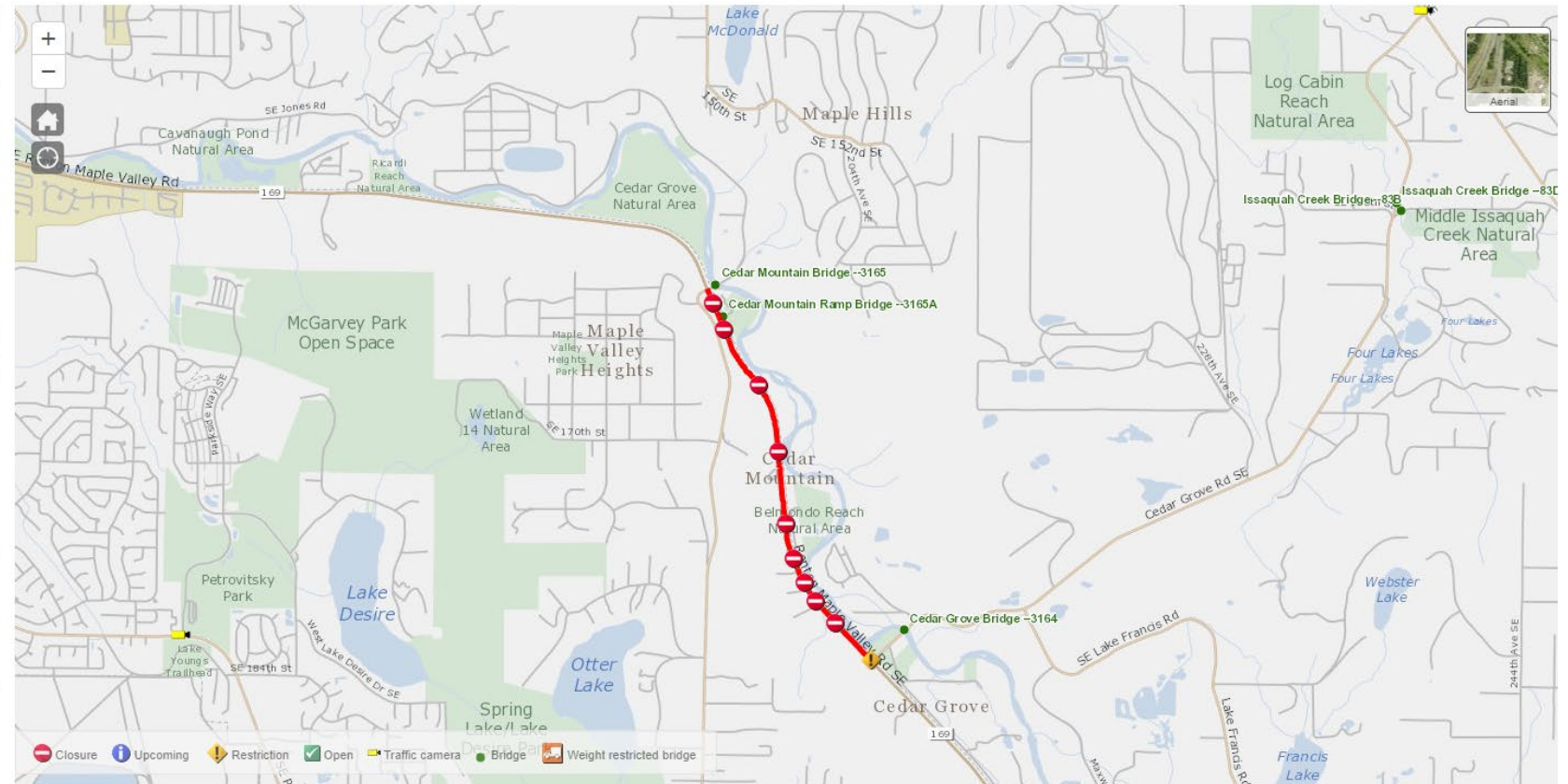
Upcoming - Raging River Bridge - Preston Fall City Road SE between SE 69th St and SE 6500 block

Upcoming - SE Lake Walker Road at Coal Creek Bridge

Restricted - NE Novelty Hill Road at 195th Avenue NE roundabout

Open - NE Stillwater Hill Rd/Kelly Rd NE from State Route 203 to NE Big Rock Road

Open - 244th Avenue NE beginning 200' south of State Route 202 and extending approximately 300'



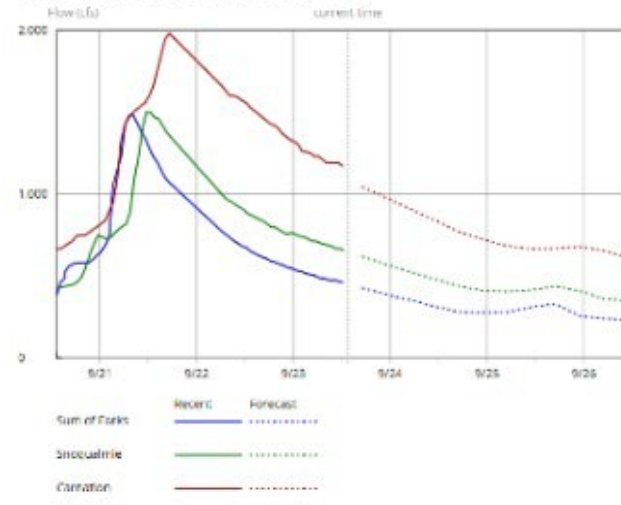
Flood Patrol



Byers Road, Cedar River, February 2020

Flood Warning Website

Chart of flow data (recent and forecast)



Snoqualmie River Flood Phases			
Phase	Phase Threshold (sum of the Forks)	Description	Roads that may overtop and close
1	6,000 c.f.s.	Internal Alert	
2	12,000 c.f.s.	Lowland flooding	Neal Rd, SE Reinig Rd, West Snoqualmie River Rd NE (Walker Rd) Snoqualmie Meadowbrook Rd, Mill Pond Rd.
3	20,000 c.f.s.	Flooding of varied depths occurs in the entire Snoqualmie Valley	Fall City -Carnation Rd, Tolt Hill Rd, NE 124th St.
4	38,000 c.f.s.	Some residential areas may experience dangerous high velocities and flooding of homes.	Woodinville-Duvall Rd, SR 203 between Duvall and Carnation, Moon Valley Rd, South Fork Rd



Home > Services > Environment > Flooding > Flood Warning

Snoqualmie River Flooding Information

USGS gage data, map, alert phases, and recent high flows

- List of rivers
- Snoqualmie River Basin Weather Stations
- King County Flood Alerts

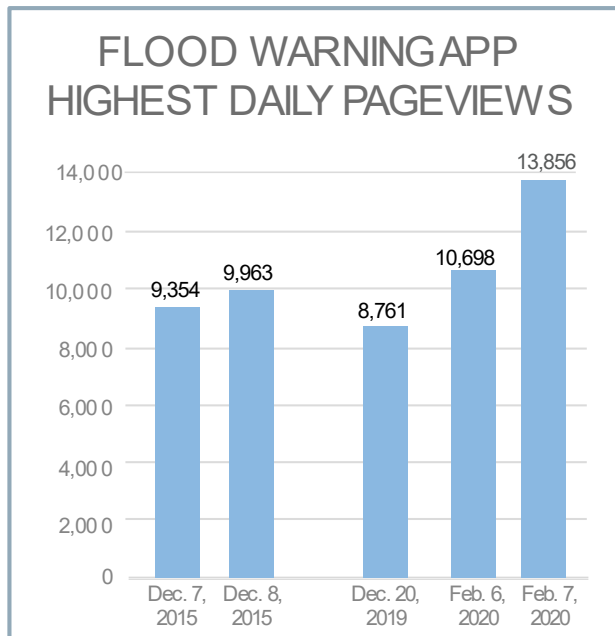


New: Click on a gage name for graph and additional data.

USGS Gage Name	Time, Date	Stage (feet)	Flow (c.f.s.)	Flow Change (c.f.s./hr)
North Fork Snoqualmie River	12:15 PM, 9/23/2015	2.34	145	-2
Middle Fork Snoqualmie River	12:15 PM, 9/23/2015	1.51	268	-5
South Fork Snoqualmie River	12:15 PM, 9/23/2015	0.38	47	0
Sum of Snoqualmie River Forks	12:15 PM, 9/23/2015	n/a	460	-7
Snoqualmie River near Snoqualmie	12:30 PM, 9/23/2015	3.40	655	-13
Snoqualmie River near Carnation	12:15 PM, 9/23/2015	45.76	1,170	-20
Snoqualmie River at Duvall	12:00 PM, 9/23/2015	28.91	n/a	0 (stage, in feet)

www.kingcounty.gov/flood

Flood Warning App

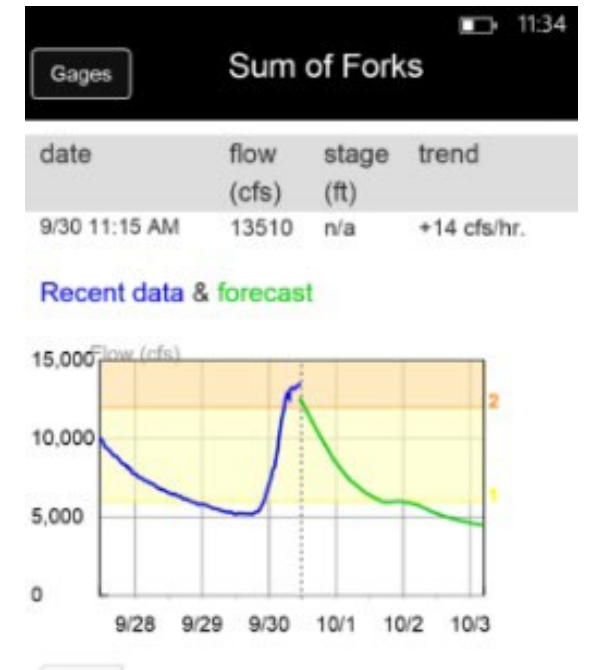


6:56 98%

King County Rivers

S.F. Skykomish	Flood phase: 0
Snoqualmie	Flood phase: 2
Tolt	Flood phase: 3
Raging	No phase set
Issaquah	Flood phase: 4
Cedar	Flood phase: 4
Green	Flood phase: 3
White	Flood phase: 2

Feb. 6, 2020



Sandbag Distribution



King County Roads Facility



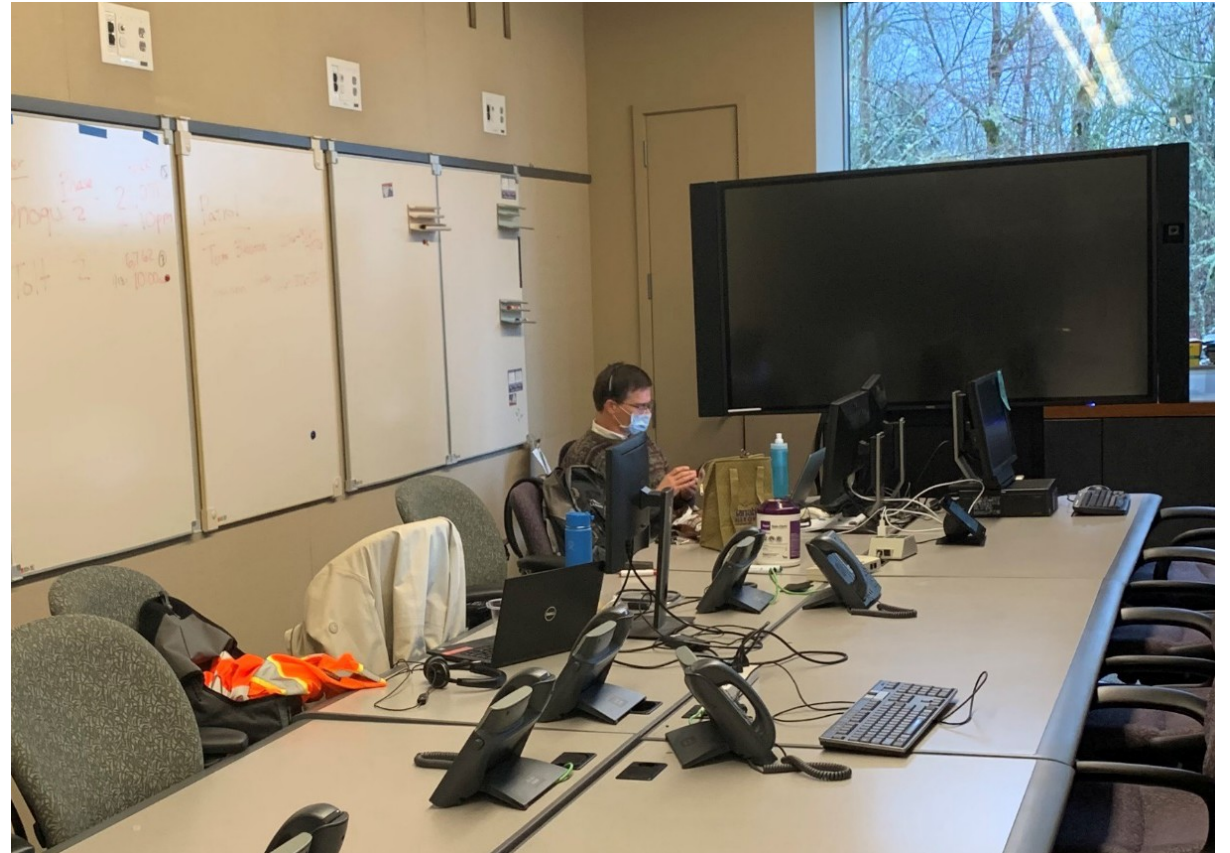
Self service operation



Partner Cities

King County Flood Warning Center

- Opens when a river reaches Flood Phase 2
- Available 24/7
- Phone numbers are:
206-296-8200 or 800-945-9263
- Interpreter services are available



Flood Warning Center, January 2021



Ken Zweig,
Program Manager
River and Floodplain Management Section

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206-477-4732

kingcounty.gov/rivers

Be flood ready!

Learn how at
kingcounty.gov/PrepareForFlooding