

WHEN IT FLOODS...

Be prepared! Get details about flooding at kingcounty.gov/floodservices

BEFORE

- 1 Know your flood hazard.** If you were mailed this newsletter, your home or property is in or near a floodplain. Learn more at kingcounty.gov/floodmaps or call 206-477-4727.
- 2 Buy flood insurance.** Standard homeowners insurance does not cover loss caused by flooding, and there can be a 30-day waiting period on new flood insurance policies. Learn more at floodsmart.gov or call 800-427-4661.

3 Protect yourself and your family.

- Update emergency plans for your family, farm, or business and choose a meeting place in case family members get separated.
- Know several routes from your home or business to high ground.
- Use sandbags to protect your home or property (see inside map for free distribution locations).
- Pick an out-of-state friend or relative to call with information if local lines are busy.
- Assemble an emergency kit (see below).
- Talk to neighbors about flood preparedness, previous experiences, and any special assistance you or they may need.

4 Protect your property and pets from flood hazards.

- Figure out how and when you'd move vehicles, equipment, livestock, or pets to higher ground.
- Store valuables and household chemicals above flood levels.
- Anchor and secure propane tanks and other fuel containers.
- Install check valves in building sewer traps to prevent flood waters from backing up in sewer drains.
- Keep street drains, storm grates, and flap gates free of leaves and debris. These actions protect your property and keep rivers and streams clean.

REGISTER FOR ALERTS

Visit kingcounty.gov/flood to sign up for alerts for different river systems in King County.

DURING

- 1 Do not walk, wade, or drive through flooded areas.** Turn around. Don't drown.
- 2 If your vehicle stalls in a flooded area, abandon it as soon as possible.** Walk back the way you came to safety.

3 Call the King County Flood Warning Center for information on flooding conditions and forecasts.

4 Be prepared for an evacuation notice from authorities. If advised to evacuate, do so immediately. Follow recommended evacuation routes, as shortcuts may be blocked.

5 If you are unable to safely leave your home or a building due to rapidly rising waters, call 911 for help. Then move to a higher floor or to the roof. Take warm, weatherproof clothing, a flashlight, a mobile phone, and a portable radio.

6 When flooding is imminent, but only if time permits:

- Close your main gas valve.
- Turn off all utilities in your building at the main power switch. Do not touch any electrical equipment unless it is in a dry area or you are standing on a piece of dry wood while wearing rubber-soled shoes and rubber gloves.
- Record flood statistics such as time, gage reading, and local flood elevations for future use in understanding flooding in your neighborhood. Include specific observations at your home or business.

NEED HELP?

Call **206-477-4727** if you need help looking up a property, need to confirm your property is in the floodplain, or want more information about elevation certificates.

AFTER

- 1 Before re-entering your home, be cautious of potential structural damage, gas leaks, electrical shorts, and live wires.**

2 Have a professional check your heating system electrical panel, outlets, and appliances for safety before using. Call the gas company to have the gas turned back on.

3 Follow procedures for safe clean-up of household items, food, water supply, and property.

4 Document your losses. Photograph damages and record repair costs. Contact your insurance agent for flood loss claims.

5 Mark the high water point in your home or damaged structure.

6 Pump out flooded basements gradually (about one-third of the water per day) to avoid structural damage.

7 Remove and dispose of sandbags properly.

8 Check your local news outlets for updates on disaster assistance and registration procedures.

Build Responsibly

Any development in the floodplain needs a permit. New construction, building repairs, additions, excavation, grading, fill, or any other change to your property must be permitted and follow the standards in your community's floodplain management regulations. Any repairs or improvements to buildings in the floodplain that exceed 50 percent of their value are required to be elevated or flood-proofed.

Building responsibly ensures that people and buildings are safer from flooding. Floodplain management regulations make our flood-prone areas less dangerous for all who live and work there by reducing each development's impact on other properties.

Before starting a project or to report illegal development, contact your jurisdiction's permitting agency or the King County Department of Permitting and Environmental Review at 206-296-6600 or go to kingcounty.gov/permits.

Emergency Kit Supplies

Get additional tips and checklists at TakeWinterByStorm.org



- 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 chargers



516 Third Ave. Room 1200 • Seattle WA 98104

PRSR STD
U.S. POSTAGE
PAID
SEATTLE WA
PERMIT NO. 6013

2019

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 →



Chairman Reagan Dunn

Flood Safety and Readiness

A message from the King County Flood Control District

No one is immune to the tragedy associated with a natural disaster. Whether we are witnessing it in a far off place, supporting a neighboring community, or gathering our own courage to respond.

Yet being prepared is one of the easiest and best things you can do to protect yourself, your family, and your property. The King County Flood Control District (District) helps to provide many of the resources to do just that.

Did you know that flooding is the most common natural disaster in King County and in the United States? It can happen almost anytime and even just a few inches of water can be damaging and costly. Flooding impacts can range from mild to severe, dangerous, and destructive. Serious injury and even fatalities can occur, transportation routes and utility services may be disrupted, and damage to homes and businesses can cost tens of thousands of dollars.

The District works to reduce flood risks, fund public safety projects and support the King County Flood Warning Center. We provide information and resources like this brochure to help people prepare and respond to flood events. Please take a few minutes to review this important information and keep these key tips in mind:

- **Know your flood risk.** Research the risk where you live, work or regularly travel by visiting kingcounty.gov/floodmaps and scroll to "iMap floodplain boundaries" or call 206-477-4727.
- **Be alert!** Get early flood warning and real-time flood information by signing up for King County Flood Alerts and downloading the King County Flood Warning App at kingcounty.gov/flood.
- **Consider investing in flood insurance.** Standard homeowners and renters insurance does not cover flood damage, and it can take 30 days for new flood insurance policies to take effect. Don't delay, visit floodsmart.gov to learn more and find an insurance agent.
- **Turn around. Don't drown.** Never walk or drive through floodwater. A foot of water can sweep a vehicle off the road and six inches can knock a person off their feet. More than half of all flood-related drownings occurred from drivers traversing floodwaters, and the next highest percentage of flood-related deaths are from people trying to walk through floodwaters.

Rain and snow are the hallmarks of the beautiful Pacific Northwest, so enjoy! But also keep your loved ones safe and your property and valuables protected in the face of flooding. **Be flood ready!**

Reagan Dunn

Reagan Dunn, Chairman
King County Flood Control District

kingcountyfloodcontrol.org | Twitter: @KCCReaganDunn

STAY INFORMED

FREE KING COUNTY FLOOD WARNING APP

Get real-time flooding info on your mobile device by downloading the free King County Flood Warning app that shows current river flows, river stage data, and forecasts, plus real-time flood phases. Graphs make it easy to see several days of river data and forecasts.



FOLLOW US!

@KCFloodDistrict and @KCDNRP on Twitter and King County Water and Land Resources Division (@KCWLDR) on Facebook



PHONE, TEXT MESSAGE OR EMAIL

Sign up for free automated flood alerts. You can personalize alerts by river and flood phase.

kingcounty.gov/flood or call 206-477-4899

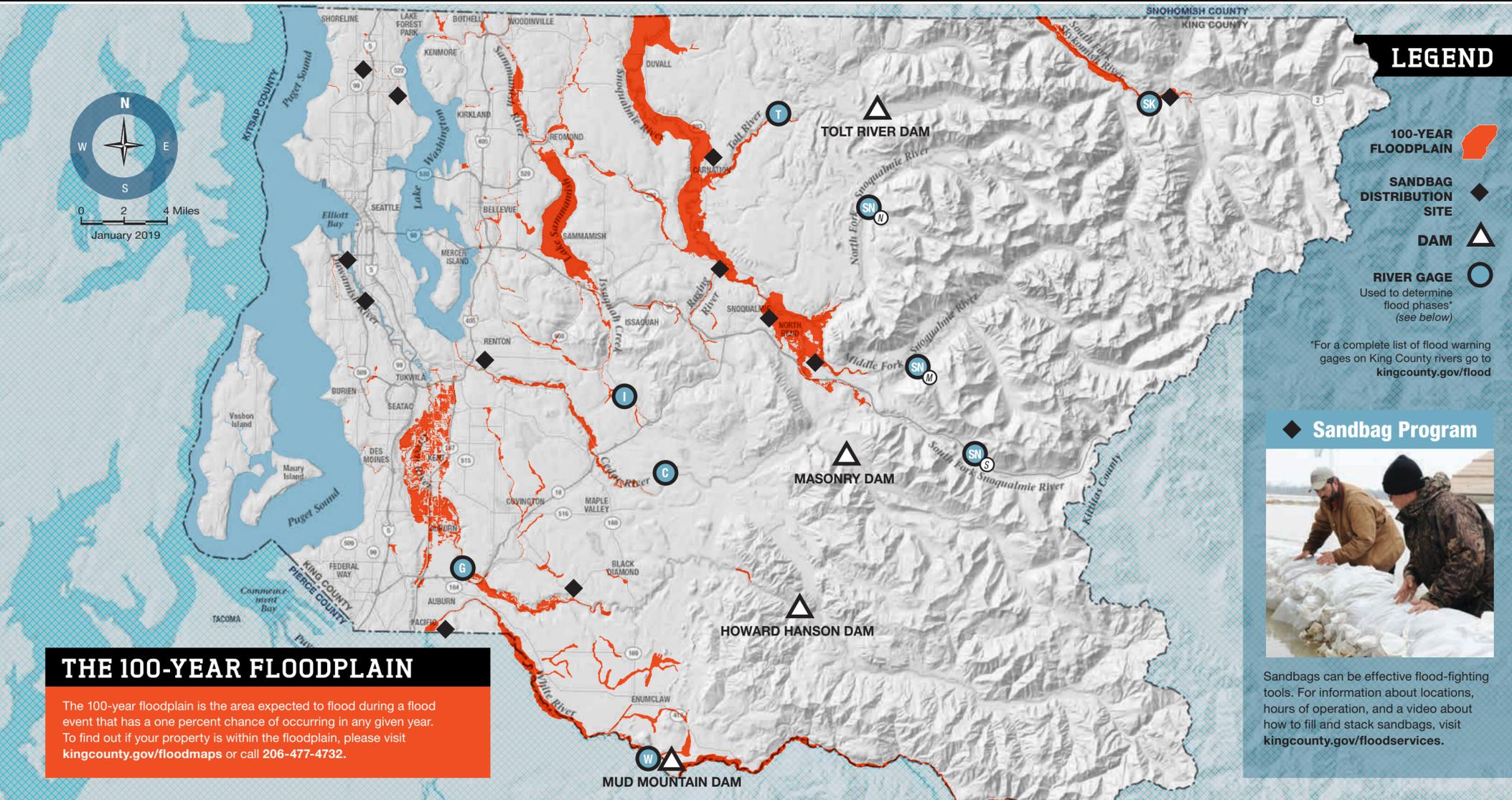
KING COUNTY
FLOOD
ALERT!

KING COUNTY RIVER SYSTEM

KING COUNTY FLOOD WARNING CENTER



206-296-8200 or 800-945-9263 Interpreter services available; TTY 711.
Materiales traducidos y servicios de intérprete están disponible bajo solicitud: 206-477-4812; TTY: 711.



THE 100-YEAR FLOODPLAIN

The 100-year floodplain is the area expected to flood during a flood event that has a one percent chance of occurring in any given year. To find out if your property is within the floodplain, please visit kingcounty.gov/floodmaps or call 206-477-4732.

Sandbag Program

Sandbags can be effective flood-fighting tools. For information about locations, hours of operation, and a video about how to fill and stack sandbags, visit kingcounty.gov/floodservices.

EMERGENCY FLOOD INFORMATION

- How to Prepare for a Flood**
kingcounty.gov/floodservices
- King County Emergency Alert**
kingcounty.gov/alert
- King County Emergency News Blog**
kcemergency.com
- King County Flood Alerts**
206-477-4899
kingcounty.gov/alert
- King County Flood Warning Center**
206-296-8200 or 800-945-9263
- King County Housing Repair Program**
Funding for major necessary housing repairs to low-income, eligible homeowners.
206-263-9095
kingcounty.gov/housingrepair
- King County Road 24/7 Helpline**
206-477-8100 or 800-KC-Roads
kingcounty.gov/roadalert
- King County Road Alerts**
kingcounty.gov/roadalert
- Metro Transit Disruptions**
kingcounty.gov/metro
- National Flood Insurance Program**
888-379-9531
floodsmart.gov
- Public Health Seattle & King County Septic Tank and Well Problems**
206-477-8050
- Take Winter By Storm**
takewinterbystorm.org



The information included on this map has been compiled by King County staff from a variety of sources and is subject to change without notice. King County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness or rights to the use of such information. This document is not intended for use as a survey product. King County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of King County.

EXPECTED FLOOD IMPACTS BY RIVER

RIVER cfs=cubic feet per second	RECENT PEAK	PEAK FLOOD	PHASE 1 - NO FLOODING. No flooding typically occurs.	PHASE 2 - MINOR FLOODING. King County Flood Warning Center staff are available 24 hours a day to provide assistance.	PHASE 3 - MODERATE FLOODING. King County Flood Patrol staff are dispatched to monitor flood protection facilities, such as levees.	PHASE 4 - SEVERE FLOODING. Flood patrols monitor conditions and the Flood Warning Center remains open.
SK SOUTH FORK SKYKOMISH RIVER Flow at Skykomish	Flow data not available at this location before Oct. 2016		6,000 cfs King County staff are on alert.	10,000 cfs Riverbank erosion and flood debris problems are possible.	18,000 cfs Riverbank erosion and flood debris are likely. Flooding likely to occur in low-lying areas near Baring and the west end of Timberlane Village.	27,000 cfs Widespread flooding may include areas typically protected by levees.
T TOLT RIVER Flow near Carnation	13,800 cfs Jan. 2009	17,400 cfs Dec. 1959 Before construction of Tolt River Dam.	2,500 cfs King County staff are on alert.	3,500 cfs Levee on south bank between Snoqualmie Valley Trail bridge and Highway 203 bridge may experience seepage.	5,000 cfs Water across Tolt River Road NE in vicinity of San Souci neighborhood. Increased seepage and potential backyard flooding at levee on south bank between Snoqualmie Valley Trail bridge and Highway 203 bridge.	8,500 cfs Levees may overtop near the City of Carnation. Flows from seepage at the levee on the south bank between Snoqualmie Valley Trail bridge and Highway 203 bridge may cross NE 32nd Street. Channel changes may occur between upstream extent of Tolt River Road NE/361st Avenue NE and the eastern boundary of the City of Carnation.
SN SNOQUALMIE RIVER Sum of (N) North fork flows at: (M) Middle fork (S) South fork	54,110 cfs Jan. 2009		6,000 cfs King County staff are on alert.	12,000 cfs Roads that may overtop include Neal Road SE, Reinig Road, West Snoqualmie River Road NE (Walker Road), Snoqualmie Meadowbrook Road, and Mill Pond Road.	20,000 cfs Flooding of varied depth occurs in the entire Snoqualmie Valley. Roads that may overtop include Fall City-Carnation Road, Tolt Hill Road, and Novelty Flats Road.	38,000 cfs Some residential areas may experience dangerously high velocities and flooding of homes. Roads that may overtop include Woodinville-Duvall Road, Carnation-Duvall Road, and Moon Valley Road.
I ISSAQUAH CREEK Height (stage) near Hobart Data: City of Issaquah	9.9 ft Nov. 1990		6.5 ft King County staff are on alert.	7.5 ft Localized flooding in flood-prone areas. A few street closures due to water on roadway. Frequently flooded areas can expect flooding.	8.5 ft Considerable flooding on Issaquah Creek, Tibbetts Creek, and the East Fork of Issaquah Creek. Flooding possible in many creekside areas.	9 ft Extensive flooding throughout Issaquah and Tibbetts Creek valleys.
C CEDAR RIVER Flow near Landsburg	7,870 cfs Jan. 2009	14,200 cfs Before construction of Masonry Dam.	1,800 cfs King County staff are on alert.	2,800 cfs Jones Road near 156th Place SE may overtop and close.	4,200 cfs Lower Dorre Don Way and Byers Road SE may overtop and close. These roads provide access to several neighborhoods where residents may become trapped and require evacuation.	5,000 cfs Roads may overtop and close including Cedar Grove Road SE, Maxwell Road SE and SR 169 near the intersection with Cedar Grove Road SE. Dead-end streets may overtop and close including Jan Road SE (SE 197th St), SE 193rd St and 216th Ave SE, SE 203rd St, SE 206th St, and SE 207th St, increasing neighborhood isolation. Fast and deep flows can create dangerous conditions throughout the floodplain.
G GREEN RIVER Measured or expected flow near Auburn	12,200 cfs Nov. 2006	28,100 cfs Nov. 1959 Before construction of Howard Hanson Dam.	5,000 cfs King County staff are on alert.	7,000 cfs Lowland flooding in the valley upstream of the City of Auburn.	9,000 cfs Flooding of varied depths occurs in the valley upstream of Auburn and lower Mill Creek basin. Southeast Green Valley Road and West Valley Road may overtop.	12,000 cfs Critical flood control levees may weaken from saturation. Sudden changes in flood conditions are possible, especially in levee-protected areas. These changes may include rapidly rising water, widespread inundation, road closures, and utility disruptions.
W WHITE RIVER Measured or expected flow released from Mud Mountain Dam	11,700 cfs Jan. 2009 Based on U.S. Army Corps of Engineers' data from Mud Mountain Dam.	28,000 cfs Dec. 1933 Reported at White River near Buckley before construction of Mud Mountain Dam.	4,000 cfs King County staff are on alert.	5,000 cfs Overbank flooding is possible upstream of the A-Street Bridge in the Cities of Pacific and Auburn. Overbank flooding is likely to occur in the City of Pacific near Government Canal. High water will likely occur along the temporary flood protection barriers in the City of Pacific.	7,000 cfs High river water levels will occur along the temporary flood protection barriers in the city of Pacific. Overtopping flows will likely occur at Government Canal and Butte Avenue and upstream of the A-Street Bridge in the Cities of Pacific and Auburn. Red Creek area residents may experience dangerously high velocities, debris flows and residential flooding.	9,000 cfs Dangerously high velocity and debris flows may occur throughout the river system. Overbank flooding is expected in the cities of Pacific and Auburn. Portions of the temporary flood protection barriers may overtop. Damages may occur at the fish hatchery near the City of Enumclaw. Floodwater is likely to overtop SR 410 upstream of Mud Mountain Dam near Greenwater.