

**ARE YOU PREPARED
FOR A FLOOD IN
YOUR NEIGHBORHOOD?
THIS INFORMATION IS FOR OWNERS
OF PROPERTY WITHIN OR NEAR A
SPECIAL FLOOD HAZARD AREA.**

➤ **History of flooding in the City of Redding.** It is critical to remember that the City of Redding, located at the confluence of several creeks and the Sacramento River, is subject to flooding along these water courses. Localized flooding from high-intensity rainfall events may occur in any given year. These events manifest as swollen creeks, flooded parking lots, ponding along some surface streets, or in more intense events, inundation of private property and homes. Being prepared is your best defense against such events.

What should you do before a flood?

➤ **Determine if your property is located in an area subject to flooding.** The 100-year floodplain that is the area with a 1 percent chance of being subject to flood inundation in any given year has been mapped along the following creeks and the Sacramento River:

Boulder Creek	Jenny Creek
Buckeye Creek	Little Churn Creek
Calaboose Creek	Olney Creek
Canyon Hollow Creek	Oregon Gulch
Churn Creek	Salt Creek
Clear Creek	Stillwater Creek
Clover Creek	Sulphur Creek

A property located within a mapped flood zone does not necessarily have historic flooding problems but has a potential for flooding. Also, there is no guarantee that a property near a floodplain will not be affected by a catastrophic flooding event. The floodplain maps prepared by the Federal Emergency Management Agency (FEMA) are available to the public on the FEMA website at www.msc.fema.gov. The areas identified on

the FEMA maps as being located in an "A" Zone are within the Special Flood Hazard Area (SFHA), which is an area that has been determined to have the potential for flooding caused by a 100-year storm. Upon request, the City's Planning Division, at (530) 225-4020, will also make the FEMA maps available and determine whether or not a City property is located within a designated flood area.

➤ **Purchase flood insurance on your property.** Flooding is not covered by a standard homeowner's insurance policy. A separate flood insurance policy is required to cover damages incurred by flooding. Coverage is available for the building itself, as well as for the contents of the building. The City of Redding participates in the National Flood Insurance Program (NFIP) that makes available federally backed flood insurance for all structures, whether or not they are located within the floodplain. Note that there is a 30-day waiting period before coverage goes into effect. More than 25 percent of NFIP claims are filed by properties located outside the 100-year floodplain, also known as the Special Flood Hazard Area (SFHA). Contact your insurance agency for more information. Flood insurance information is also available online at www.floodsmart.gov.

➤ **Maintain drainage channels and pipes free of obstruction and debris.** The City of Redding performs cleaning and maintenance activities on the drainage channels and pipes in City easements and right-of-ways in accordance with an established schedule and other standard operating procedures. Residents are encouraged to assist in maintaining the drainage in their areas by removing or reporting obstructions (such as shopping carts, leaves, debris, trash, etc.). Keeping drainage channels free of obstructions reduces flooding in the event of heavy rains. By way of City ordinance, it is illegal to dump trash, leaves, landscape debris, paint, grease, or any other material into any portion of the City's drainage system. Such dumping can also have devastating impacts on water quality, in addition to causing flooding. To report obstructions or illegal dumping, or for questions regarding drainage-system maintenance, please contact the Storm Drain Utility at (530) 224-6068.

➤ **Protect your property from the hazards of flooding.** Various methods may be used to minimize flooding. If the floor level of your property is lower than the "Base Flood Elevation" (elevation of the 100-year flood, based on the FEMA maps), consider elevating your structure or protecting lower portions, if possible. Brochures discussing flood-proofing and other mitigation measures are available at the Shasta County Public Libraries. If a flood is imminent, property can be protected by sandbagging areas subject to the entry of water into living spaces. Sand and bags are available during the rainy season at Redding Fire Station No. 4 on South Bonnyview Road and the City Corporation Yard on Viking Way, off Old Oregon Trail, north of Highway 44. Residents must fill the bags themselves, with a limit of 25. Valuables and furniture may also be moved to higher areas of the dwelling to minimize damages.

➤ **Meet improvement requirements.** The NFIP requires that if the cost of reconstruction, additions, or other improvements to a building in a flood-hazard area equals or exceeds 50 percent of the building's market value, then the building must meet the same construction requirements as a new building located in a flood-hazard area. Substantially damaged buildings must also be brought up to the same standards. For example, a residence damaged so that the cost of repairs equals or exceeds 50 percent of the building's value before it was damaged must be elevated above the base flood elevation. Please contact the City Planning Division at (530) 225-4030 for more information.

➤ **Meet permitting requirements.** All development within the City requires a permit. Always check and fulfill permitting requirements with the Permit Center Division before you build on, alter, fill, or re-grade on any portion of your property and/or within any easement or right-of-way. Also, contact the Permit Center Division above to report any suspected permitting violations.

➤ **Keep an emergency supply.** Nonperishable food, water, batteries, flashlights, a manual can opener, and a battery-operated radio should be kept available.

What should you do during a flood?

➤ If your property is in imminent danger of flooding, please contact PG&E at (530) PGE-5000 to request your natural gas be shut off. Additionally, contact Redding Electric Utility at (530) 245-7000 to request your power be shut off. These numbers may also be contacted regarding any other natural gas or electrical emergencies.

Tune in to local commercial radio or television stations (KQMS – 1400 AM, KNCO – 97.3 FM, KNNN – 99.3 FM, KSHA – 104.3 FM), or NOAA Weather Radio (frequency 162.550) for Watch and Warning Bulletins and any corresponding emergency instructions. The City of Redding and Shasta County Emergency Preparedness Divisions will order or advise evacuations if conditions warrant this action. If evacuations are called for, it is imperative that you follow instructions below:

- If local authorities ask you to leave your home, they have a good reason to make this request, and you should heed the advice immediately.
- Wear long-sleeved shirts, long pants, and sturdy shoes so you can be protected as much as possible.
- Take your disaster-supplies kit if you can quickly do so.
- Take your pets with you. Do not leave them behind. Because pets are not permitted in public shelters, follow your plan to go to a relative or friend's home, or find a "pet-friendly" hotel.
- Lock your home.
- Use travel routes specified by local authorities. Do not use shortcuts.
- Stay away from downed power lines.

The designated evacuation routes from different areas of the City are as follows:

- Downtown:** SR 299 West (Eureka Way) and Placer Road West
- Bonnyview:** SR 273 South
- Enterprise:** SR 44 East & I-5 South

Lake Blvd.: I-5 North, Lake Blvd. North, & SR299 East

Questions regarding emergency procedures may be addressed to the Redding Fire Department at (530) 225-4150. For maps of evacuation routes, please consult: www.ci.redding.ca.us/fire/images/evacplan.jpg

- If dangerous flooding conditions are imminent, avoid driving a vehicle if possible. Do not attempt to drive or wade through deep pockets of water or running washes. Unstable banks should be avoided.
- Develop an evacuation plan for your family. The Redding Fire Department strongly recommends that you spend some time preparing a disaster plan for your family. For further information regarding disaster preparedness you can visit our local Red Cross website at: www.arcnec.org/ or contact them directly at (530) 244-8001. Visit the Redding Fire Department website for additional information and documentation: www.ci.redding.ca.us/fire/reddingfiredepartmentemergencyprepare.cfm. Additionally visit Shasta County Emergency Preparedness at: http://www.co.shasta.ca.us/Sheriff/docs/ready_shasta_poster.sflb.ashx.
- Avoid low-lying areas. Seek shelter in the highest areas possible.

What should you do after a flood?

- Listen to the radio for emergency instructions.
- Avoid driving if possible.
- Follow established procedures for property-damage repairs:

Select a contractor who is licensed in his trade. The City of Redding requires contractors to be licensed and/or registered with the Contractors' State License Board and to have a City of Redding Business License. They will also be able to produce receipts for their licenses. Only licensed electricians may perform electrical work; only licensed plumbers may perform plumbing work; only licensed gas contractors may work on a gas system; only licensed mechanical contractors may perform heating,

ventilation, and air conditioning work; and only licensed building contractors may perform building-related work. Verify that contractors are licensed before signing or agreeing to any repair contracts. It is also recommended that you verify certification of liability and workers' compensation insurance. Complaints against licensed contractors may be referred to the appropriate licensing agency.

Require your contractors to obtain the proper permits for work being performed. Permits are required for any permanent improvement (including roofing, siding, additions, alterations, etc.) to a structure and for site work such as grading, filling, etc. Permits are required even if a homeowner is doing the work himself. Questions about permits or contractor licensing may be addressed to the City of Redding Permit Center Division at (530) 225-4030.

Recognize the natural and beneficial functions of floodplains to help reduce flooding: Floodplains are a natural component of the City of Redding environment. Understanding and protecting the natural functions of floodplains helps reduce flood damage and protect resources. When flooding spreads out across the floodplain, its energy is dissipated, which results in lower flood flows downstream, reduced erosion of the streambank and channel, deposition of sediments higher in the watershed, and improved groundwater recharge. Floodplains are scenic, valued wildlife habitat and suitable for farming. Poorly planned development in floodplains can lead to streambank erosion, loss of valuable property, increased risk of flooding to downstream properties, and degradation of water quality.

**For more information about flood safety
or the NFIP, please note the following:**

www.floodalert.fema.gov
www.fema.gov/hazards/floods
1-888-FLOOD29

This information is provided by the City of Redding and is applicable to properties within the limits of the City. If you reside in a jurisdiction other than the City of Redding, contact your regulatory authority for information.

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**FLOOD SAFETY
AND PREPAREDNESS**