

Flood Mitigation – Concrete Barriers

If a property has been identified by the Flood Control District (District) as being at-risk for high velocity floodwater, then the District's engineers will contact the property owner and will mobilize concrete barriers to assist with mitigating the primary residence.

Flood Mitigation – Sandbags

A properly built and maintained sandbag wall can mitigate flood damage to a home. As the District's current stockpile has been strained by efforts related to the Museum Flood, we have mobilized multiple crews to produce a substantial number of new sandbags in preparation for the upcoming Monsoon Season.

The District is expecting up to 15 Arizona Conservation Corps crews, on a rotational basis, to assist with sandbag production and placement for those that are elderly and disabled over the next month. Also, two Arizona Conservation Experience crews with potential for additional crews from both services are being sought. The status of forest closures and wildfires throughout the Southwest will impact the availability of conservation crews and we are making every effort to secure all available assistance to produce additional sandbags as soon as possible. Additional crews are being sourced from the Arizona Department of Fire and Forest Management.

The District is working diligently to establish self-serve sandbag locations at various locations in the impacted neighborhoods. Given the limited timeframe and resources, the District and its partners are not able to assist with production and placement of sandbags at individual homes except for the elderly and disabled. We encourage those who have secured their homes or who are not at-risk to identify and assist any family members and neighbors who might need assistance. **We also strenuously request that sandbags produced by the District be used solely to protect primary residences – not outbuildings, sheds, garages, etc.** As with the Schultz Fire flooding, the homes at greatest risk are nearest to the Peaks, or in the western area of Timberline.

Residents whose homes are identified for flood mitigation and who are elderly or disabled and cannot secure assistance through family or friends, must please contact the Call Center at 928-679-8525 and request assistance

Efforts by property owners or tenants to keep water off of their properties could have consequences for their neighbors and result in liability for the person diverting the water. It is important to be careful that your mitigation efforts do not increase the flood hazard to your neighbors both upstream and downstream. You may be legally liable for damage, please consult this helpful article for proper water mitigation techniques: www.coconino.az.gov/WaterDiversion.

Flood Monitoring and Alert System

Since the Schultz Fire in 2010, the Flood Control District has utilized a 24/7 rainfall monitoring and flood alert system for the Schultz Flood Area. Utilizing eight rain gauges placed throughout the affected watersheds, on-call Flood Directors will monitor rainfall in real time and work closely with the

Important Flood Control District Information

National Weather Service to determine if and when emergency notifications should be issued. Residents who sign up for the County's Emergency Alerts will receive alerts on all devices registered to the at-risk address. Homes that are not at risk during a specific rainfall event will not receive a notification.

The District and the City of Flagstaff also utilize a set of rainfall and stream gauges in the Museum Flood Area. In addition, a siren alerting system and loudspeakers have been constructed in neighborhoods within the Museum Flood Area. The siren alerting system will emit an alarm sound, followed by a voice message repeated three times in both English and Spanish, concluding with a wind-down siren sound signifying the end of that message.

We realize there is a lot of information for County and City residents to digest. The Flood Control District has extensive resources located at and will be continually updating the Pipeline Flood Area website at www.coconino.az.gov/PipeLineFire.

Sign up for Emergency Alerts

www.coconino.az.gov/Ready

Volunteers Needed Now

Anyone interested in volunteering to assist with sandbag production and placement, including organizations – sports teams, scouting, church groups, and other volunteer organizations – please sign up to volunteer via United Way of Northern Arizona's Volunteer Hub at [United Way of Northern Arizona \(UWNA\) Volunteer Hub](#)

Flood Mitigation Efforts

The County Flood Control District would also like to make the public aware of its ongoing efforts to mitigate the expected heightened risk of flooding as a result of the recent Tunnel and Pipeline wildfires.

Flood Risk Assessments

The District's hydrology consultant, JE Fuller Hydrology, is conducting flood risk assessments of the watersheds impacted by these wildfires affecting the Timberline, Fernwood, Wupatki Trails, and Doney Park neighborhoods. Preliminary analyses are underway and will be refined upon receiving the Burned Area Response Team's evaluation of burn severity. Further flood risk analysis is also underway to evaluate any potential flooding impacts to the Schultz Creek watershed area (a quarter of this watershed was burned), which is located on the westside of Flagstaff. No additional analysis is being conducted for the Museum/Spruce Wash watershed since it was not impacted by the Pipeline Fire.

The flood risk modeling is simulating the effects of two inches of rainfall within 45 minutes – representing a 25-year rainfall event, or rainfall event with 4% chance of occurring in any given year. This was the storm used to model the Museum Flood area impacts. **It is important to note that as**

we saw last year it is extremely difficult to predict rainfall events and it is impossible to mitigate all flood events.

As the modeling is completed, six engineering firms are then assessing the actual risks to homes in each flood corridor and maps will be developed showing which homes are at flood risk and recommended for flood mitigation. The District will provide these maps via email, virtual meetings, and by placing the information at www.coconino.az.gov/PipeLineFire.

Residents in the affected zones are encouraged to immediately contact the County Emergency Call Center at (928) 679-8525 and provide current name, address, email address, mobile and land line phone numbers. This is critical to ensuring that the District can communicate the flood risk to at-risk residents in a timely manner.

Prepare for Flood Now

Flooding can happen rapidly. There are important steps a person can take to stay safe during a flood event:

- Flood waters move quickly. Stay alert for all emergency notifications and obey orders to shelter in place (or evacuate, if ordered).
- Do not walk, swim, or drive through flood waters. **Turn Around. Don't Drown!**
- Stay inside your car if it is trapped in rapidly moving water. Get on the road if water is rising inside the car.