SUMMER 2011

Flood Preparedness Guide

Schultz Flood Hotline: (928) 679-8390 | Schultz Flood Email: schultzmitigation@coconino.az.gov
Schultz Flood Webpage: www.coconino.az.gov/schultzfloodinformation.aspx

COCONINO COUNTY ARIZONA

Dear Resident,

The purpose of this Guide is to assist residents in the Schultz Fire/Flood area with preparing for possible flooding events this summer. The Guide reflects the lessons learned last year that can be applied this year to reduce the impacts of flooding. We strongly encourage everyone to begin planning now for the summer monsoon season and the first most critical step is to purchase or **renew** your flood insurance. This is the single most important thing you can do to protect against the financial and physical impacts of flooding. We encourage you to read through this Guide carefully and then set aside time for your family to plan accordingly for this summer's flooding events.

The County believes to successfully prepare for summer flooding requires a partnership between the County and the residents. With both cost and human resource constraints, the County is focusing our efforts on assisting you by providing some key services and information to support your work to protect your homes. The County has historically maintained a $5 million dollar emergency reserve fund and, as a result of the 2010 Schultz Flood has spent $4.5 million. We expect the cost to prepare for and then respond to this summer's flooding will exceed $1.5 million. The County recently submitted a Pre-Disaster Declaration to the Governor with the hope that some funding will be made available to the County to support summer preparation, but there is no funding guarantee.

We thank you for your continuous cooperation as we know the reality of the situation is exhausting for many residents. We hope you find the information in this Guide valuable and supportive as you move forward in preparing for the monsoon season.

Sincerely,

Mandy Metzger
Chair of the Board
District 4 Supervisor

Liz Archuleta
District 2 Supervisor

NATIONAL FLOOD INSURANCE PROGRAM

THE RISK IS REAL.

PURCHASE or RENEW YOUR FLOOD INSURANCE NOW

Everyone should have flood insurance in the area irrespective of flood risk. Maps and models are not perfect. This includes areas in and near Doney Park that have been newly identified at risk for flooding, such as south of Silver Saddle Road, Slayton Ranch Estates, and McCann Estates. Flood insurance is a simple, low cost way to protect your investments.

How do I purchase flood insurance?
A separate flood insurance policy through the National Flood Insurance Program (NFIP) covers damage to your home and belongings caused by flooding. Flood insurance costs on average $350 per year. If your insurance agent is not aware of the procedures for selling flood insurance policies, then please call 1-800-720-1093 for a referral. You can also find a local insurance agent at ***www.floodsmart.gov***. When purchasing a flood insurance policy, **there is a 30-day waiting period for coverage to become effective.**

Why should I purchase a flood insurance policy since the Federal Emergency Management Agency (FEMA) makes disaster assistance available after a flood?
As we experienced last summer, an area only qualifies for Individual Assistance if a high number of homes are destroyed during a disaster. Although declared a federal disaster by the President, the Schultz flooding did not qualify for Individual Assistance and thus no federal assistance was provided to individual homeowners. Federal Flood insurance claims are paid even if the President does not declare a disaster.

Is it necessary to renew my flood insurance policy?
YES! It is necessary to renew your flood insurance policy **annually.** If your policy lapses, then you will have to re-start the 30 day waiting period once your policy is reinstated.

For more information call the National Flood Insurance Program at 1-800-720-1093 or visit www.floodsmart.gov

How Can I Prepare for Flooding This Summer?

HOME PROTECTION MEASURES

Flood Depth and Hazard Information

The Schultz Fire/Flood maps were prepared as part of the Schultz Flood Drainage Master Plan. The main purpose of the maps is to help evaluate flood mitigation alternatives, such as channels and basins. The maps also provide a reasonable estimate of possible flood depths and hazards at individual lots. Homeowners can use this information to help them prepare for future floods. It is important that adequate allowance or freeboard (variation in depth and velocity of water) be designed into individual lot flood protection measures to account for the uncertainties in the flood maps. Homeowners should also account for what flooding occurred last year and if flooding was greater than what appears on the maps, then prepare for at least the level of flooding that occurred last year.

A conservative approach is recommended since all modeling has inaccuracies. The Flood Depth and Hazard Maps are being placed onto the Schultz Flood Webpage and will be available for viewing. The maps are also displayed at Summit Fire Stations #32 and #33, Cromer School, and the Silver Saddle Trading Post.

The maps will help you identify the level of risk your property has for flooding, such as high risk, medium risk and low risk. When viewing the maps, there are several important things to consider:

- Areas in Timberline (near the forest) at high risk may experience higher velocity flows and higher depths, whereas areas at high risk in Doney Park (flat) may experience more depth and pooling of water. Although both areas are at high risk, they need different types of mitigation - for example, barriers are used for high velocity flows, and sandbags are used for low or moderate velocity flows and greater depths of water and pooling.
- For several reasons the flood maps show potential for flooding in areas that did not experience flooding last year. One reason is that the flood modeling that created the maps does not take into consideration the berms that were quickly constructed near the Landfill and above Fernwood because they were not constructed to Army Corp of Engineers standards. However, the County strongly encourages homeowners in these areas to purchase flood insurance and to take measures to protect their homes from flooding, although the berms have been effective in keeping water out of these areas.
- The County is attempting to secure funding to stabilize these berms before the monsoon season.
- The maps depict a 25 year, 24 hour storm event, which has a four percent (4%) chance of occurring annually – also consider what these flows may look like during a larger storm event.
- Expect significant sediment with the water, particularly in the areas closest to the forest. Likely flow paths may change over time and as a result, you may begin to experience flooding where you have not in the past.

The cost of individual lot protection varies with the type of flood mitigation measures used. The following information may assist you when contacting companies to provide additional support for installation of flood mitigation measures.

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!

The County will make an effort to provide sandbag placement to residents who are disabled and/or elderly. If you believe you qualify for this service, then please contact the Flood Hotline and a representative will meet with you to assess your situation and needs. Your needs may be met through County resources or through volunteers depending upon availability of resources.

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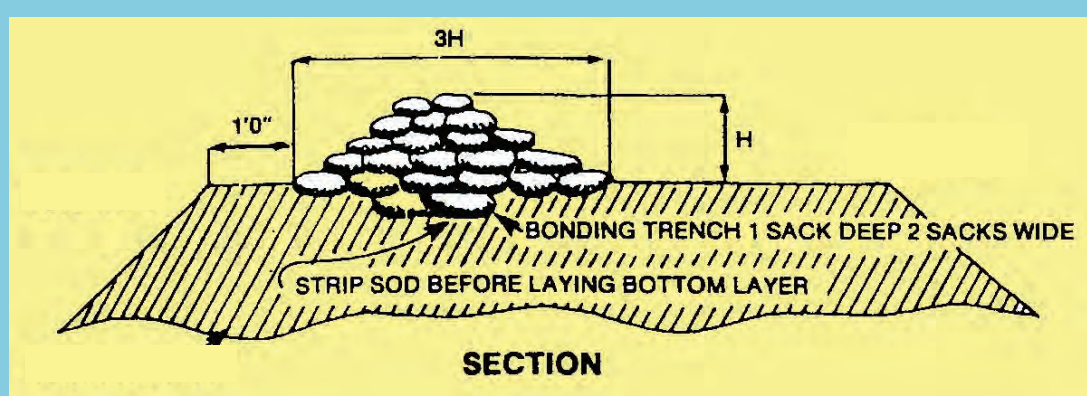
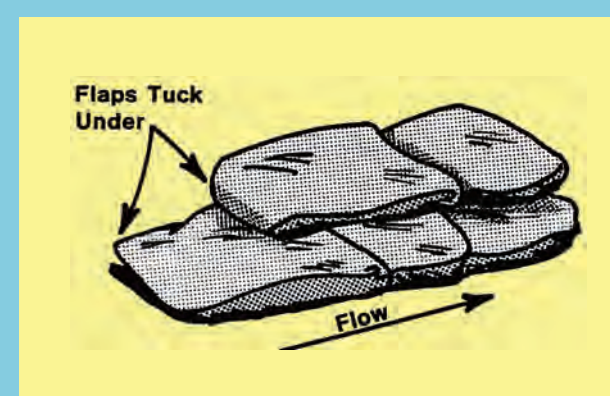
CONSTRUCT A SAND BAG WALL

The pyramid placement method is used to increase the height of sandbag protection. Place the sandbags to form a pyramid by alternating header courses (bags placed crosswise) and stretcher courses (bags placed lengthwise). Stamp each bag in place, overlap sacks, maintain staggered joint placement, and tuck in any loose ends.





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Sandbags

A properly built sandbag wall can prevent or reduce flood damage. The County is providing pre-filled, UV protected sandbags during the months of May and June to support residents in preparing for possible flooding. The pre-filled bags will be available at the Silver Saddle Trading Post located at 9001 N. Highway 89 and Summit Fire Station #32 located at 8905 N. Koch Field Road. Please be reasonable as to the number of bags you take for use. Residents will need to load their own bags. Please do not leave old sand bags at the sites. After June 30, the sites will have piles of sand and loose sand bags to use by residents. Properly filling and constructing a sand bag wall is important. Please visit ***www.coconino.az.gov/schultzfloodinformation.aspx*** for detailed instructions and to view a video.

Sand Bag Walls in Doney Park

Due to the risk of water ponding in Doney Park and other areas where water pools, the construction and placement of sand bags requires special care. Please consider these suggestions:

- In flat areas where water is likely to pool, such as in Doney Park, construct sandbag walls within the eves of your roof so water falling off the roof is not trapped inside the sandbag wall and against your home.
- If constructing near your home, then consider adjusting your downspouts so water pours out beyond the sandbag wall and away from the house.
- Remove debris from the area where the bags are to be placed.
- Wrap the sandbag wall in heavy plastic to prevent water from seeping through. Lay enough plastic to go up the front side of the wall and over the entire sandbag wall. Lay the first row of sandbags on the plastic to hold the plastic down.
- For flat areas, consider purchasing a water pump that can handle a couple gallons a minute to pump seepage from behind the wall.

Again, please refer to the webpage for further information and a video on properly constructing sand bag walls.

Jersey Barriers

Throughout the month of May and June, County staff is conducting risk assessments for homes identified at high risk for flooding in the western area of Timberline (area generally west of Rodeo Drive/Gunman/John Wayne/Monsoon) and in Wupatki Trails. A limited supply of jersey barriers will be provided to the homes deemed at the highest risk. Risk level is determined by three factors: 1) the expected velocity of the flood water, 2) the expected depth of the flood water, and 3) the proximity of the flood water to the home. Availability of jersey barriers is impacted by the County's ability to secure the barriers (County exhausted the non-spec supply of barrier in Arizona last summer) and the cost of the barriers. Typical barrier protection for a home costs between $6,000 and $15,000 per home. County-supplied barriers will be used only for homes, not barns, out buildings or detached garages. The County will be providing barriers based on this proactive assessment process and not based solely on requests. Concrete blocks similar to jersey barriers can be purchased locally at Arrow Redi-Mix if you desire to install additional protection for other structures on your property. If you have barriers, then do not let dirt or material build-up in front of the barriers, as this can make the barriers ineffective.

Wattles

Wattles are available on a first come first serve basis at the Coconino County Public Works Sheep Hill Facility at 5600 E. Commerce Avenue weekdays between 7 a.m. and 3:30 p.m. Wattles are effective at slowing and spreading water and collecting sediment in areas with moderate to low velocity flows. Use of wattles is one of the few effective ways to reduce headcutting/gullying on your property. Once the wattle supply is exhausted, the County does not plan to order more given their limited applicability and effectiveness. A video illustrating proper wattle installation can be viewed at ***http://www.youtube.com/watch?v=7DiQtt42eQI.***

Prepare your Septic System for a Flood

Prior to summer monsoon season there are certain measures homeowners can take to protect their septic systems before floodwaters arrive.

- Make sure all septic tanks are full. High-water season is not the time to have tanks pumped because empty tanks are buoyant and may float out of the ground when water tables are high.
- Plug floor drains to keep sewage from backing up into house. Of course, floodwaters may still enter through cracks and seams.
- Seal all the septic system's possible points of entry. If possible, seal the manhole and inspection ports to keep excess water out of the tank.
- Waterproof all electrical connections to avoid electrical shock, or damage to wiring, pumps, and the electrical system.
- Replace cracked, damaged, or missing septic system caps.

Most septic tanks are not damaged by flooding since they are below ground and completely covered. However, septic tanks and pump chambers can fill with silt and debris, and must be professionally cleaned. Whenever your septic system is threatened by flooding there is a risk that sewage will back up into your home. The only way to prevent this backup is to relieve pressure on the system by using it less. If you have questions, then please call the Flood Hotline.

Additional Home Protection Measures to Consider by Flood Risk

In addition to flood insurance and the measures noted above, you may want to consider additional measures to protect your home suggested by the Army Corp of Engineers and FEMA.

Properties Identified at High Risk Could Consider:

Flood Walls

Flood walls are an option to consider if flood depths are greater than three feet, or as an alternative to jersey barriers. Information on how to construct a flood wall can be found at ***www.coconino.az.gov/schultzfloodinformation.aspx***.

Flood Wrap

Plastic sheeting is used to seal a building so water will not enter. Flood wrap benefits from additional barrier reinforcement, such as sandbags or plywood walls and should generally be built to minimally withstand the pressure of three feet of water.

Structural Flood Proofing of Exterior Walls

Also known as dry flood proofing, this involves sealing the exterior of a building to prevent the entry of flood waters. Shields can be installed to seal off doors, windows and other openings. This method should only be used when walls are strong enough to withstand the hydrostatic force of the water.

Low Water Crossings for Driveways

This provides access more quickly after flows and requires little maintenance. Low water crossings can be significantly more effective than culverts because flood waters are too great for culverts to contain.

Flood Doors and Windows

These are designed to meet the daily needs of a passage door but also have the ability to keep water from seeping through. Water resistant doors and windows are designed for 24-7 protection against flood water damage. Flood doors are tested to a 60-inch water height on doors up to 42 inches wide.

Raise Home

Raise the lowest floor above the flood protection elevation, a level at which your chances of flooding are greatly diminished or eliminated. There are various approaches to raising the homes and it is advisable to consult with a structural engineer if you are considering such a measure. Raising the home is a costly measure.

Properties Deemed Medium and Low Risk Areas Could Consider:

- Low water crossings for driveways
- Wattles/sandbags

More information about flood barrier and material specifications based on FEMA and US Army Corps of Engineers can be found at *www.coconino.az.gov/schultzfloodinformation.aspx*

Family Emergency Planning – Be Ready

Have a Plan

Due to the nature and topography of the Schultz Flood area, flash floods give very little warning before they hit. If the National Weather Service issues a flash flood alert for the Schultz Flood area, then residents should begin to activate their family action plan immediately. Your plan will be unique to your family based upon where you live in the flood area and the level of risk, as well as your family's individual situation.

There will be little time between the flood warning and the flood. The emergency notification system "READY COCONINO" may not activate your phone prior to the flood event and this is why utilizing a NOAA weather radio is very important.

Plan for what action you should take and take protective actions before the emergency. Consider these options:

- **Shelter in Place**
  Is your home safe? Has your home flooded before?
- **Seek High Ground**
  Go to a neighbor's home or drive to another location in the immediate area. (Do NOT drive in flood waters!)
- **Evacuate Ahead of the Flood Waters**
- **Wait for an "All Clear"**
  Announcements are broadcast over local radio, County website, and text messages on Ready Coconino.

If a formal evacuation center is established, then the County encourages all evacuated residents to register at the designated American Red Cross registration and reception center. Download a template for a family emergency plan and sign up for Ready Coconino alerts at ***www.readycoconino.az.gov***.

Where Should I Wait the Flooding Out?

During and after flood events, Highway 89 and other roads may be closed for public safety reasons and after the events for repair and debris removal. No one will be allowed to re-enter the evacuation area until it is safe to do so. In the event you cannot get home or you decide to evacuate before the flash flood occurs, the County has designated staging areas where you may wait for roads to be re-opened or for the flood event to end.

The staging locations are:

—The parking lot of the Flagstaff Mall
—The campground/store at Antelope Hills (located north of Wupatki Trails)

You may tune into KAFF Radio station, 92.9 FM and listen for announcements as to when it is safe to return home and when roads are open. There may also be a call-out through Ready Coconino that announces when roads are open and safe to return home. The County encourages you to register your cell phone number with Ready Coconino (see Ready Coconino information on page 5 under Stay Informed).

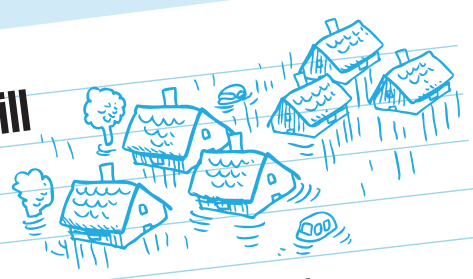
What if My Kids are Home Alone During a Flood Event and I Want to Get Home to Them?

Parents need to plan for what their kids should do when they are home alone during a flood event and practice these actions prior to flooding. Once roads are closed, no one, including law enforcement, will be allowed into the area - this is for your own safety. The County encourages residents to use cell phones and text messages to communicate with children and others at home during flooding. If power is lost or communication is lost with children with no explanation, then residents can call the Flood Hotline to report the situation and request a physical check once the area is safe for passage by law enforcement.

Be Ready

Have both a "GO KIT" and "STAY KIT" for sheltering in place. Learn how to turn off the utilities at the main switch areas. Post emergency telephone numbers.

Other items that will come in handy:



- Extra set of car keys and house keys • Weather and portable radio: hand crank model or have extra batteries
- Credit and ATM cards and at least $50 to $100 cash in small denominations • Bottled water and non-perishable food, such as energy or granola bars (enough for each person, 72 hour supply)
- Flashlight and extra batteries • First-aid kit • Tools: wrench, pliers, duct tape and matches • Change of clothes; sturdy, comfortable shoes; lightweight rain gear; coat and blanket (enough for each person) • Contact and meeting place information for your family, and a small regional map • Personal hygiene items (such as tooth brush, toothpaste, shampoo, soap, sanitary items, etc.)
- Specials Needs: child care supplies (diapers, wipes, food, formula, or other special care items); elder care and pet supplies

How to Pack a Go Kit

Five P's the most important items to take with you.

Papers: Copies of your important documents in a waterproof and portable container (insurance cards, photo IDs, proof of address, copies of prescriptions, etc.)

Pets: Don't leave home without them! Coconino County will set up animal shelters as needed for families that have no alternate animal care.

Prescriptions: Medications and other essential personal items; be sure to refill medications before they expire; keep a list of the medications each member of your family takes, why they take them, and their dosages.

Pictures: Take those important pictures that cannot be replaced if ruined by flood water.

Personal Computers: Remember to back up your PC and hard drive. Also bring those jump drives and external drives with you! Remember to bring chargers for all your electronic devices.

Stay Informed

When a crisis occurs, local public safety officials have four methods to alert the public.

1. Media Alerts. Local radio, television, newspapers, government web pages, such as ***www.coconino.az.gov.***

2. Emergency Alert System (EAS). These messages are broadcast on NOAA weather radios, AM/FM radio and television stations. A WEATHER RADIO IS THE FASTEST WAY TO RECEIVE FLOOD ADVISORIES AND WARNINGS.

3. READY! COCONINO Notification System.
The message is recorded by local emergency officials and sent to your home or cell phone. If you only have a cell phone or VoIP computer phone number, then please register these numbers at *www.readycoconino.az.gov.* Be sure to include the name of your cell service provider. You can register home phone lines and cell phones for all members of your family. You can also register for text messages.

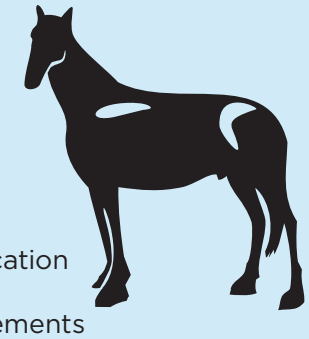
4. Door-to-Door

Sign Up for the Emergency Evacuation Assistance

A pre-registration process has been developed for Coconino County residents who may require special assistance during an emergency evacuation. The Emergency Evacuation Assistance Registry is designed for people with functional needs, such as mobility issues, inability to drive, or sight or hearing problems that may hinder their ability to evacuate during an emergency situation.

Registration is available at *www.coconino.az.gov/health.* Registration does not guarantee availability of transportation. If your neighbor is elderly or has a functional need, then lend a hand. Disasters are about neighbors helping neighbors.

Animal Evacuation Planning



If you have large animals such as horses, cattle, sheep, goats, or pigs on your property, then be sure to prepare before a disaster.

Preparation Guidelines:

- Ensure all animals have some form of identification that will help facilitate their return.
- Evacuate animals whenever possible. Arrangements for evacuation, including routes and host sites, should be made in advance. Alternate routes should be mapped out in case the planned route is inaccessible.
- Make arrangements for food, water, veterinary care, and handling equipment.
- Make available vehicles and trailers needed for transporting and supporting each type of animal. Also make available experienced handlers and drivers.

Note: It is best to allow animals a chance to become accustomed to vehicular travel so they are less frightened and easier to move. If evacuation is not possible, then a decision must be made whether to move large animals to available shelter or turn them out. This decision should be determined based on the type of disaster and the soundness and location of the shelter (structure).

DAMAGE ASSESSMENTS

AFTER A MAJOR FLOOD, the County organizes a team consisting of State, County, and non-government organizations (American Red Cross) to conduct an inventory of the number of homes damaged and the magnitude of the damage. These Preliminary Damage Assessment teams, called PDA teams, are properly identified as such. They travel door to door evaluating the degree of damage to your home. PDA members may inquire as to your homeowner/renter's insurance and whether you have flood insurance. They may ask about income and employment and they may ask to see the interior of the home to assess damage. Accompanying these field teams will be County building inspectors who can determine if your home can be inhabited based upon the water damage. The PDA teams rate home damage based on a FEMA scale. This rating is used to determine eligibility for federal assistance. It is not to be used as the final determination of the fate of the dwelling. You as the homeowner are responsible for contacting your insurance agent for a definitive determination of damage.

Building Permits

A building permit may be required for some of the "Additional Home Protection Measures" listed in this guide and the County strongly encourages you to contact the County Community Development Department at (928) 679-8850 to discuss your plans, particularly if you are planning to build a flood wall, replace or install flood windows/doors and/or raise your home.

Site Visits

Unlike last year, the County is unable to provide site visits to residents regarding flood mitigation measures. If you desire advice, then please contact one of the various local civil engineering firms.

Legal Considerations

Efforts by property owners or tenants to keep water off of their property could have consequences for their neighbors and result in liability for the person diverting the water. The law in Arizona regarding water diversion is based primarily on court decisions rather than statute. Different rules apply depending on whether the water that is diverted is surface water, flood water, or water that has been previously captured in a stream or water course.

To determine whether or not any water diversion plan will result in liability, all of the facts and circumstances must be considered. For example, if there is a method of diverting water that will have less impact on a neighbor and you choose instead to use a method that has a larger impact on a neighbor's property, then you could be liable. Liability will hinge on the particular water diversion plan, available alternatives, what type of water is diverted, and other factors particular to the situation. Some things to consider include, but are not limited to: Is there another way to divert the water that would result in less or no damage to neighboring property? Does the water diversion plan concentrate water in amount or in velocity? Does the plan move water out of its normal channel? The *Arizona Attorney Magazine* published an article by David L. Abney in 1995 that has a good summary of water diversion law in Arizona. This article is available in the County's Law Library and can be found at *www.coconino.az.gov/schultzfloodinformation.aspx.*

The County recommends that you consult with a private technical expert, such as a licensed engineer or hydrologist, to determine what plan would best protect your property while minimizing affects on your neighbors. The County is prohibited from giving legal advice to individuals and we caution you that the law in this area is particularly complicated. The County recommends that you consult a private attorney to get a full understanding of your potential liability before undertaking water diversion projects that affect neighboring property. You will also want to consult with your insurance carrier to understand whether or not the policy you have will cover you for this type of liability.

How Can I Resolve a Dispute with My Neighbor?

First, we encourage you to talk with your neighbor if you have concerns and attempt to resolve them. If the issue is not resolved easily, then you can consider using the Coconino County Superior Court's alternative dispute resolution (ADR) service through which you can participate in mediation. Mediation can assist parties with amicably settling their disputes or cases. This service is initially being offered at no cost to flood victims. If you have questions, then please call the Coordinator, Sidney Buckman, at (928) 679-7508 or email him at sbuckman@courts.az.gov.

Summer in the Southwest – Information from the National Weather Service

Each year, a variety of weather related dangers affect Arizona, especially from late spring into early autumn. The time period from June 15th through September 30th is defined as "The Monsoon." A period of extreme heat is typically on-going at its onset, which in the coming days or weeks is followed by an influx of moisture leading to daily rounds of thunderstorms.

Warning Information for Monsoon Season

Armed with Doppler radars, powerful supercomputers, advanced weather satellites, automated weather and stream gauges, and an advanced lightning detection network, forecasters at the National Weather Service (NWS) provide highly accurate severe weather warnings. Advanced NWS computer systems now allow warnings to be generated in seconds for highly detailed areas. Those warnings are then transmitted to the public, the media and emergency management officials via NOAA Weather Radio, the Emergency Alert System, and the Internet.

The National Weather Service plans to create a webpage dedicated to the Schultz Flood area prior to monsoon season this year. The Schultz Flood area webpage will be highlighted on the Flagstaff National Weather Service's main website.

Weather Terminology — Understanding Watches, Warnings, and Advisories

FLOOD/FLASH FLOOD WATCH is issued when the expectation of a flood event has increased, but its occurrence, location, and/or timing is still uncertain. Usually are issued within 48 hours of the forecast flood event.

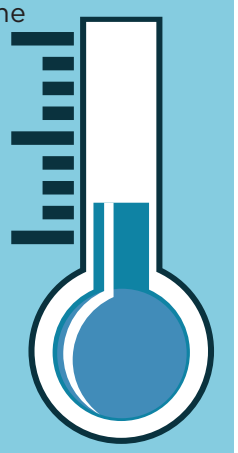
FLASH FLOOD WARNING is issued when flash flooding is occurring or is imminent. Individuals in the warned area should take immediate precautions to protect life and property.

SMALL STREAM FLOOD ADVISORY is issued for elevated river/stream flows, ponding of water in urban or other areas, and for flooding that is generally only an inconvenience (not life threatening) to those living in the affected area.

A listing of watches, warnings, and advisories currently in effect for the state of Arizona is available on the internet at: *http://www.weather.gov/flagstaff.* The NOAA Weather Radio All Hazards is a nationwide network of radio stations that broadcasts National Weather Service official warnings, watches, forecasts, and other hazard information 24 hours a day, 7 days a week. Weather radios and receivers are available for purchase at most electronics stores.

Stay Safe During a Flood

- Go to higher ground and avoid areas subject to flooding – your home may be the safest place
- Do not attempt to walk across flowing streams or drive through flooded roadways
- Keep children away from ditches, culverts and storm drains
- Listen to a battery-operated weather radio for the latest storm information
- If you've come in contact with floodwaters, then wash your hands with soap and disinfected water



Rain Gauge Information

You can visit ***www.coconino.az.gov/schultzfloodinformation.aspx*** to obtain precipitation data obtained by the rain gauges in the Schultz Fire burn area.

Maintaining Access to Your Property

Driveway Culverts/Ditches

The County is developing a policy and approach for resolving what is a very difficult issue in the flood area – how to and who is responsible for maintaining driveway culverts. Currently the County's practice is to not maintain driveway culverts adjacent to County roads throughout the County. However, last year during the flooding the County did replace driveway culverts or place material to allow for resident access. In developing this approach/policy, the County is considering a number of factors:

- Effectiveness of access approach
- Long-term physical stability of the access approach
- Ability of approach to support local drainage system
- Long-term costs for maintaining the access approach
- Impact to resources to install a new access approach
- Ability to secure funding or reimbursement for the access approach now and in the future
- Impact to County's current practice and County's overall budget
- Legal restrictions

The County is developing the approach/policy now and intends to have a policy/approach prior to monsoon season.

Drainage Easements & Low Water Crossings

The County will make an effort to clean drainage easements dedicated to the County prior to the monsoon season. The County is unable to commit resources to clean drainage easements dedicated to the "public" or to Homeowners Associations. In some locations, the County intends to replace road culverts with low water crossings if funding is available or emergency conditions warrant.

Road Maintenance During Flooding Events

County Maintained Roads

Motor graders will be utilized to remove debris from County maintained roadways. The likely process for clearing roads after flooding events is:

- One motor grader will remove debris from Campbell Avenue and all roads south of Campbell. Once these roads are secured, the grader will then clear the roads north of Campbell affected by flood waters.
- A second motor grader will remove debris from Copeland Avenue, then proceed to the roads north of Copeland, next the roads south of Copeland, and then meeting up with the Campbell motor grader to complete those roads north of Campbell.
- A third motor grader will focus on the Wupatki Trails subdivision and Brandis Road area.
- Additional equipment will be mobilized when conditions dictate for the Timberline, Fernwood, and Doney Park areas.
- These routes are subject to change depending upon flood events and resources available.

Private Roads

Private roads are not maintained by the County. However, after an emergency flood event, the County will make private roads open and passable. The County will not provide materials, do construction work or ditch maintenance on private roads.

What You Should Be Aware of After Flooding Occurs

Re-entering a Home That's Been Flooded

When returning to a home that has been flooded, be aware that your house may be contaminated with sewage, which can cause health risks for your family. Visit *www.coconino.az.gov/schultzfloodinformation.aspx* for a guide on how to clean up after a flood.

Tetanus Immunizations Recommended for Individuals Working in the Schultz Flood Area

The Coconino County Public Health Services District (CCPHSD) advises individuals that may encounter potentially contaminated floodwaters to consider getting a tetanus vaccination.

- The CCPHSD recommends tetanus boosters for everyone every 10 years.
- Working with flood debris may increase your risk of injury and potential tetanus infection. This deadly infection is caused by a spore that lives in dirt and animal feces, which enters the body through a break in the skin, such as a puncture wound.
- The Centers for Disease Control and Prevention recommends a one time dose of Tdap (Tetanus booster that also contains pertussis vaccine) for all adults.
- The most common side effect of a tetanus vaccine is localized redness, swelling and pain. This is not a contraindication to receiving the vaccine.
- Being up-to-date for tetanus vaccine can greatly simplify the treatment for any wound that might occur.
- Vaccinations are available from your healthcare provider or at the CCPHSD Clinic. The CCPHSD Clinic offers immunization clinics on Monday, Wednesday, and Friday from 8 to 11 a.m. and 1 to 4 p.m. at CCPHSD, 2625 N. King Street, Flagstaff. Appointments are recommended. Call (928) 679-7222 to schedule an appointment and for cost information.

Gardening and Landscaping

If you have questions or concerns about the impact flooding has had on your vegetable gardens, then please contact the Coconino Cooperative Extension at (928) 774-1868, Ext. 170 or email hbraun@ag.arizona.edu

COMMUNITY RESOURCES

How Can I Help?

Donate

Donate to the Schultz Flood Fund established by United Way of Northern Arizona. The purpose of the fund is to help people impacted by the flood meet their basic needs and regain safety and stability. Specifically, the priority use is for individuals and families living in the communities impacted by the Schultz Flood who face economic hardship and who have sustained damage to their homes and property as a result of the flood. The fund is managed by the United Way of Northern Arizona. All funds are distributed to organizations that provide assistance to residents. To donate call the Schultz Flood Hotline (928) 679-8390 or visit *www.nazunitedway.org* and select *Donate Now*, select payment option and choose "Schultz Flood Fund" from the drop-down menu.

Volunteer

Last year over 800 people volunteered to support residents in the flood area. Once again United Way of Northern Arizona is mobilizing volunteers to assist with flood preparation efforts during May and June and flood response efforts during the monsoon season. Please encourage your family, friends and neighbors to volunteer. Call the Flood Hotline to sign up today.

Join the Community Emergency Response Team (CERT)

The goal of CERT is to have citizens participate in making their communities better prepared for dealing with different types of disasters. People who go through CERT training have a better understanding of the potential threats to their home, workplace and community and can take the right steps to lessen the effects of these hazards. If interested, then please call (928) 226-5089.

Neighborhood Watch Meetings

Another way to stay informed about Schultz Flood related activities is to attend the Neighborhood Watch meetings in your area. The Doney Park Neighborhood Watch meeting takes place the first Thursday of every month at Cromer School at 6 p.m. The Timberline-Fernwood Neighborhood Watch meeting is the first Tuesday of each month at Summit Fire Station #33 on Hwy. 89 at 6:30 p.m.

Black Bill Park Neighborhood Association (BBPNA)

BBPNA was founded by a group of residents in the Schultz Flood area to serve Timberline, Fernwood, Hutchison Acres and the Wupatki Trails areas. The fire and floods of 2010 profoundly affected lives, homes, property values and the landscape. To learn more about BBPNA's activities, meetings and recent Community Visioning Retreat and Community Survey Results go to ***www.BBPNA.org.***

United Way of Northern Arizona

United Way of Northern Arizona coordinated an effort last year to provide home repair assistance to over 45 homeowners after the flooding. Contractors provided labor, local businesses provided materials such as flooring, cabinetry, and paint, and several organizations adopted homes for mini makeovers. Amazingly this was done with only $15,000 in donations because of a true community effort involving partnering and providing support for those impacted by the flooding. **Thanks so much** for the leadership by United Way of Northern Arizona, Coconino County Community Services Department, and the generosity of many businesses and volunteers!

Resources

Schultz Flood Hotline ..... **(928) 679-8390 or (877) 679-8390**
For All Schultz Flood Related Questions

Schultz Flood Email ..... **schultzmitigation@coconino.az.gov**
Schultz Flood Webpage ..... **www.coconino.az.gov/schultzfloodinformation.aspx**
United States Forest Service Peaks Ranger District ..... (928) 526-0866
Summit Fire ..... Dial 911 in an Emergency
(Hwy 89) ..... (928) 526-1724
(Koch Field Road/Main Office) ..... (928) 526-9537
Coconino County Humane Society ..... (928) 526-1076
Second Chance Center for Animals ..... (928) 526-5964
Cinder Lake Landfill ..... (928) 527-1927
American Red Cross ..... (928) 779-5494
UniSource Energy Services ..... (928) 525-8103 or (877) 837-4968
Arizona Public Service (APS) ..... (800) 253-9405
QWEST ..... (800) 573-1311
Doney Park Water ..... (928) 526-1080
NPG Cable ..... (928) 774-5336

For further information and additional resources in more detail:
www.readycoconino.az.gov • www.ready.gov • www.floodsmart.gov • www.fema.gov

COCONINO COUNTY ARIZONA
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