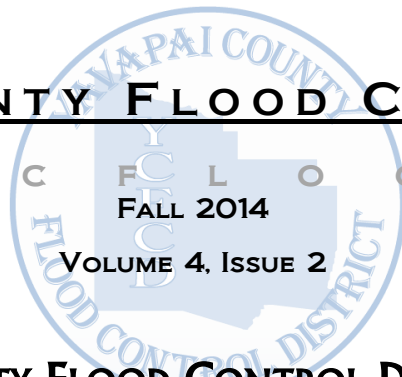


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YAVAPAI COUNTY FLOOD CONTROL DISTRICT

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FALL 2014

VOLUME 4, ISSUE 2

YAVAPAI COUNTY FLOOD CONTROL DISTRICT AWARDED A \$200,000 GRANT THROUGH FEMA'S COOPERATING TECHNICAL PARTNERS PRO-

The Yavapai County Flood Control District was recently given the opportunity to apply for a Cooperating Technical Partners (CTP) program grant through FEMA, following its Discovery process of the Upper Verde Watershed in 2014. The CTP program allows FEMA to collaborate with local agencies in an effort to maintain up-to-date flood hazard maps and other flood hazard information. During the Discovery process, it was determined that the Town of Prescott Valley has concerns with the locations of the mapped flood hazard area boundaries, which appear to have been shifted when FEMA digitized them several years ago. FEMA has agreed to provide some funding for the correction of these flood hazard boundaries, and the County will provide background imagery as a base map for the Town's FIRM panels.

Furthermore, the Flood Control District has been requested by FEMA to work on developing a Floodplain Management Plan for the unincorporated areas of Yavapai County, as well as the District-dependent communities of Camp Verde, Clarkdale, Dewey-Humboldt, and Sedona. The purpose of Floodplain Management Planning is to define and document an overall strategy of programs, projects, and measures that will reduce the adverse impact of flood related hazards on the community and increase the community resilience to future flooding events. As a participant in FEMA's Community Rating System (CRS), one of the benefits of this planning process is the receipt of additional credit under Section 510 of the CRS program, which may lead to further reductions in NFIP insurance premiums for residents of the county and affected communities.

Lastly, the Flood Control District has identified the need for a restudy of the Oak Creek flood hazard area between its confluence with the Verde River and the upper reaches of the detailed study, within Oak Creek Canyon in Coconino County. After the Slide Fire occurred within the Oak Creek watershed in summer of 2014, the need to more accurately assess the risk downstream has become a higher priority, and when FEMA indicated that obtaining high-quality topographic mapping of the areas along Oak Creek could be included within the grant application, the District seized the opportunity for funding to cover this product.

This grant award specifically does not require any matching funds by the District, but grant monies will be reimbursed to the District, rather than invoices paid directly via the CTP program. Thus, District funds will be tied up during the projects until reimbursement occurs. This grant covers expenditures up to \$200,000 for these specific projects, and the District has preliminary cost estimates indicating that this work can be completed for about that amount.

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FLOOD INSURANCE RATE MAPS—UPDATE

Yavapai County works hard to make sure the Flood Insurance Rate Maps depicting our high hazard flood areas are adequately reflecting risk. As modeling techniques and topography improve, so do our maps.

On October 16th a new study for the Agua Fria and tributaries in Black Canyon City went effective. This study was underway during the storm in January of 2010. The Flood Control District used data gathered during and after that storm to modify the study so that it adequately reflected real world scenarios.

The District has also received a Letter of Final Determination for the Big Bug Creek study which will go effective on March 2, 2015. The District will be sending notifications to the property owners in the area so that they can make sure their flood insurance is up to date with the latest map. Up-to-date flood insurance will be maintained at the District website, http://www.ycflood.com/?page_id=1641.

HAPPY NEW WATER YEAR

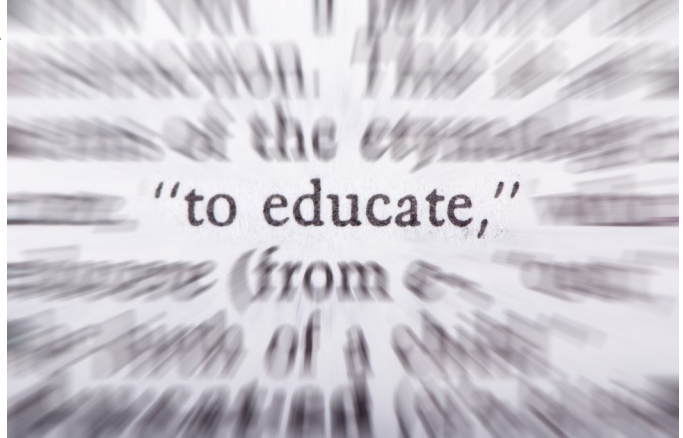
Citizens of Yavapai County found themselves preparing for the impacts of tropical storms coming up from Mexico more than once this summer. While the storms turned east before the full effects could be felt in the county, we caught enough of the storm systems to see an above-average monsoon season. The seasonal rain brought water year totals up across most of the county.

Gauge	Name	PERIOD OF RECORD (YEARS)	WY MIN	WY MAX	2013/2014 WY	Monsoon MAX	2014 Monsoon
120	Red Hill	22	6.97 (1996)	33.11 (2005)	15.83	15.08 (2013)	12.32
150	West Fork Oak Creek	17	11.34 (2002)	35.94 (2005)	23.11	7.48 (2012)	5.87
155	Sedona Airport	23	6.89 (2002)	23.54 (2005)	11.65	13.03 (2012)	12.80
175	Dry Creek Levee	13	7.56 (2006)	23.07 (2005)	10.91	9.21 (2013)	5.87
195	Mingus Mountain	17	12.64 (2002)	32.09 (2005)	17.64	16.38 (1999)	10.16
210	Verde River @ Perkinsville	9	5.87 (2007)	16.18 (2013)	11.69	11.57 (2013)	8.15
250	Jacks Canyon	10	9.65 (2006)	27.24 (2005)	12.56	7.60 (2013)	6.57
290	Bagdad Airport	8	5.59 (2009)	17.44 (2012)	13.94	9.96 (2014)	9.96
320	Saw Mountain (prescott area)	23	10.12 (2007)	31.73 (2005)	20.87	15.28 (1999)	14.96
365	YC Public Works Yard	17	7.13 (2007)	16.42 (1999)	12.95	13.15 (1999)	9.57
405	Chino Valley	17	5.63 (2007)	16.57 (2005)	13.70	10.63 (2014)	10.63
425	YC Verde Roads Yard	16	5.16 (2012)	17.52 (2005)	12.13	10.79 (1999)	6.50
430	Cottonwood Public Works	13	7.05 (2006)	17.99 (2005)	10.83	9.76 (2002)	6.57
450	Clipper Wash @ PCC	16	6.69 (2002)	24.57 (2013)	20.20	10.83 (2014)	10.83
3705	Big Bug Creek @ SR 69	9	7.80 (2007)	19.72 (2010)	14.96	10.35 (2014)	10.35
3755	Brooklyn Peak	9	5.55 (2007)	20.39 (2010)	17.65	10.63 (2014)	10.63
3765	Black Canyon Creek @ Maren	8	5.75 (2007)	17.24 (2014)	17.24	12.28 (2014)	12.28
3865	Ash Fork Draw @ I-40	8	8.74 (2007)	14.21 (2013)	12.20	9.65 (2014)	9.65
3890	Seligman Airport	8	7.28 (2013)	11.50 (2012)	8.31	8.94 (2012)	6.54

STORMWATER QUALITY CORNER

Utilizing Community to Reduce Stormwater Pollution

Because stormwater runoff is generated from dispersed land surfaces – pavements, yards, driveways, and roofs – efforts to control stormwater pollution must consider individual, household, and public behaviors and activities that can generate pollution from these surfaces. It takes individual behavior change and proper practices to control such pollution. Therefore it is important to make the public sufficiently aware and concerned about the significance of their behavior for stormwater pollution, through information and education, that they change improper behaviors.



As a Phase II Municipal Separate Storm Sewer System (MS4), Yavapai County is required to educate the community on the pollution potential of common activities and to give the public clear guidance on steps and specific actions that they can take to reduce their stormwater pollution potential.

Yavapai County Flood Control District (YCFCD) educates various targeted audiences within the community using a variety of techniques such as managing a stormwater website, maintaining a physical educational site (Pioneer Park), distributing various flyers, and participating in stormwater outreach events.

YCFCD working alone cannot be as effective in reducing stormwater pollution as if it did not have the participation, partnerships, and combined efforts of other groups in the community all working toward the same goal. Some of the local organizations, that the public is encouraged to become involved with are: Prescott Creeks Preservation Association, the Prescott Chapter of the Sierra Club, the Master Watershed Stewardship Program, the Audubon Society, and Prescott College.

YCFCD is constantly pursuing new and innovative methods to help reduce stormwater pollution through the two minimum control measures of Public Education and Outreach & Public Participation/Involvement.

GAUGE OF THE QUARTER



Granite Creek @ White Spar Campground

Gauge ID: 325

Gauge Type: Rain/Stage

Watershed: Verde River

Sub-basin: Granite Creek

Location: 2 miles SSW of Prescott

Installed: 2/26/1991

El Nino Update

The National Weather Service's Climate Prediction Center is currently predicting a 60%-65% probability of a weak El Nino developing within the next 1-2 months and extending into the first quarter of 2015. El Nino refers to the development of a temporary band of warm water at the surface of the equatorial region of the Pacific Ocean, which tends to influence weather patterns for much of North America. Historically, a moderate to strong El Nino can lead to a winter storm track remaining over the Southwestern US and lead to a measurably wetter than normal winter season. The Yavapai County Flood Control District is alerting the citizens of Yavapai County of the potential of a wet winter, and encourages those with drainage improvements around their property to make sure they are properly maintained prior to the onset of winter. For the latest updates on the development of the El Nino and its forecast, please check the Climate Prediction Center's website at:



<http://www.cpc.ncep.noaa.gov/products/precip/CWlink/MJO/enso.shtml>

YCFCD CONTACT INFORMATION

LOCATIONS:

1120 Commerce Dr. Phone: 928.771.3197
 Prescott, AZ 86305 Fax: 928.771.3427

10 S. Sixth St. Phone: 928.639.8151
 Cottonwood, AZ 86326 Fax: 928.639.8118

Please visit the County website for more information:

- Applications, Forms and Instructions
- Building Codes
- Community Plans
- Drainage Criteria Manual
- Fees/Impact Fees
- Flood Hazard Status Reports
- Flood Protection Information
- General Plan
- Ordinances
- Regulations
- Storm Water Management Program
- Related Links & More

www.yavapai.us

COUNTY TOLL FREE TELEPHONE NUMBERS

Ash Fork, Bagdad, Seligman, Yarnell 800.771.2797
Black Canyon City and Phoenix Area 602.495.8800

COUNTY SWITCHBOARD NUMBERS

Prescott 928.771.3100 - Verde Valley 928.639.8100

The Yavapai County Board of Supervisors also serve as The Board of Directors for the District.

The initial floodplain ordinance was adopted December 1981, and has been revised over the years.

The Drainage Criteria Manual, was first adopted November 1998, and revised August 2005. The current Ordinance and Drainage Criteria Manual are available on line at the County website or may be purchased at the Prescott and Cottonwood District offices.

Services Performed

The District is available for assistance or technical advice on the following topics:

- National Flood Insurance Program
- District ALERT System
- Flood Insurance Rate Maps
- Flood Status Information on a Parcel of Land
- Flood Protection & Safety
- Local Flood Hazard
- Development & Permitting within the 100 year floodplain
- Construction in or adjacent to a significant watercourse
- Storm Water Quality and Pollution Control

Flood protection information and links to other agencies are available on the County website. Visit www.ycflood.com for archived issues of this newsletter.