

**Utah Department of Public Safety  
Division of Emergency Management  
Weekly Briefing  
Thursday, August 13, 2015 As of Noon  
(801) 538-3400 (24-hour number)**



Department of Environmental Quality (DEQ) staff,  
monitor the San Juan River for mine plume contaminants  
Photo Credit: DEQ



# Significant Activity Summary

- **Significant Incidents:**

- **New:** A plume of mine wastewater containing metals and other pollutants entered the Animas River due to a spill from the Gold King Mine in Colorado. The Animas River is a tributary to the San Juan River in New Mexico and Utah. There have been concerns about the potential impacts to the San Juan River and Lake Powell. Data from test results in Utah is expected to be released today. The data may determine the plume’s arrival in Utah, as well as the possible impacts to Utah. For Agency Actions, see below. For incident details, see the [Gold King Mine Spill](#) page.
- There are no active wildfires threatening communities or critical infrastructure in Utah at this time.

- **Significant Weather:**

- **New:** The National Weather Service has issued a Hazardous Weather Outlook for the Western two-thirds of Utah. See the Significant Weather Details [page](#) for more information.

- **Significant Actions:**

- **New:** Multiple State Agencies are supporting response efforts due to the Gold King Mine Incident, see [Agency Actions](#). Preventative actions, response and recovery efforts are underway.
- **New:** A State of Emergency has been declared in [San Juan County](#) by the San Juan County Commission.
- **New:** A State of Emergency has been declared by [The Navajo Nation](#) by the Commission on Emergency Management.
- **New:** A State of Emergency has been declared for the [State of Utah](#) by Governor Gary Herbert. Colorado and New Mexico have also declared.
- **New:** DEM deployed an EOC support team to San Juan County to assist county emergency management.
- **New:** DEM deployed a team of Public Assistance support for the [Major Disaster Declaration](#) flooding in Colorado. Learn more about [EMAC](#) deployments.
- **New:** The Utah Division of Forestry, Fire and State Lands deployed Utah fire personnel and equipment to assist local wildfire suppression efforts in Oregon, Washington, Idaho and California.
- Governor Gary Herbert has signed a monthly [Executive Order](#) to expedite the declaration process for wildfires.

- **Alerts/Warnings:**

- **New:** Cyber Security alerts were issued this week. See details [page](#) for more information.

State Emergency Operations Center Status			
Daily Operations	EOC Activation Level		
	Level 3 Monitoring	Level 2 Partial Activation	Level 1 Full Activation

*Situation Reports and Weekly Briefings are produced by the Division of Emergency Management, see last page for details.*



# Utah State Agency Actions

- **Agency Actions Details:**

- **New:** The Utah Department of Public Safety (DPS) Division of Emergency Management (DEM) activated its Emergency Operations Center to Level 3- Monitoring.
- **New:** DEM has deployed an EOC support team and the DPS Mobile Command Vehicle to Monticello to assist the San Juan County EM in response and coordination efforts.
- **New:** The Joint Information Center (JIC), lead by DEM, is facilitating collaboration of all state agency response information. Conference calls between supporting agencies will continue as needed. A JIC [news release](#) was sent out through the Department of Environmental Quality (DEQ) regarding actions Utah agencies are taking to support this incident.
- **New:** The Utah DPS plane will assist DEQ's delivery of water samples from Blanding to Salt Lake. This will expedite the process for water sample testing.
- **New:** The Utah Department of Natural Resources' Division of Wildlife Resources took fish tissue samples to establish baseline data for subsequent testing.
- **New:** The Utah Department of Agriculture and Food (UDAF) continues to [advise](#) agricultural producers along the San Juan River to avoid using the water as an irrigation and livestock watering source until further testing confirms it is safe for use.
- **New:** The Utah Department of Health is working with DEQ, the San Juan County Health Department, and other state and federal partners to monitor the spill and provide public health guidance.
- **New:** The Attorneys General from Colorado, New Mexico and Utah met to determine appropriate actions.

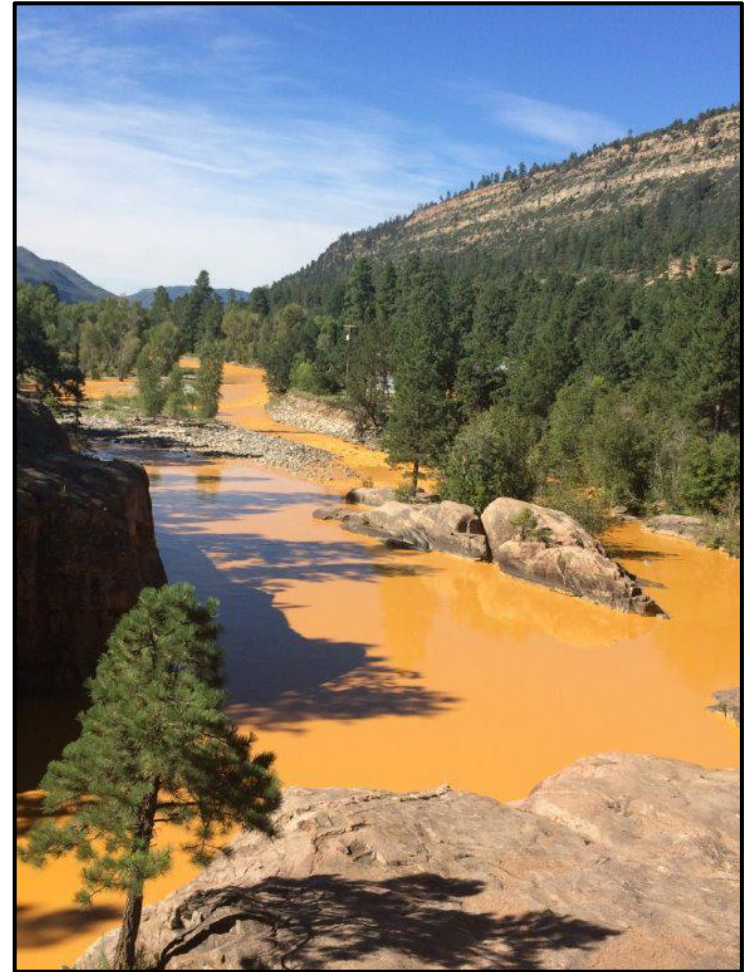


UTAH DEPARTMENT OF  
**HEALTH**



# Gold King Mine Spill Details

- **Location:** The Gold King Mine Spill occurred along the Animas River near Silverton in Colorado. The Animas River runs through Colorado into New Mexico. Near Farmington, New Mexico, the Animas flows into the San Juan River, which feeds into southeastern Utah and Lake Powell.
- **Population Impacted:** In Utah, from the southeastern border to Lake Powell, the spill primarily impacts the Navajo Nation.
- **Cause:** The Environmental Protection Agency (EPA) has apologized for the incident which occurred at the old Gold King Mine.
- **Started:** 08.05.2015 - Impacting Utah beginning 08.10.2015
- **Management:** The EPA has established a Unified Command.
- **Resources:** See agency actions [page](#).
- **Evacuations:** None
- **Potential Threats:** Threats to water usage for culinary and domestic use, irrigation, livestock, recreation, and wildlife. See more info on [Water Quality](#) here.
- [Navajo Tribal Utility Authority](#) has taken two wells off-line due to their proximity to the San Juan River.
- The Mexican Hat, Utah water treatment plant is shut down until further notice. More information is available [here](#).
- **Twitter:** [#GoldKingMine](#), [#SanJuanMineSpill](#), [AnimasRiverSpill](#)
- **Health Advisory:** Do not use San Juan River water for drinking and ensure that you have thoroughly washed after contact with the river as soon as possible.
- **Request Reimbursement for Damages:** [Claims Process and Standard Form 95 for Damage, Injury of Death as a Result of Gold King Mine Release](#)
- **EPA Response:** For updated information on the [EPA Response](#) click here.



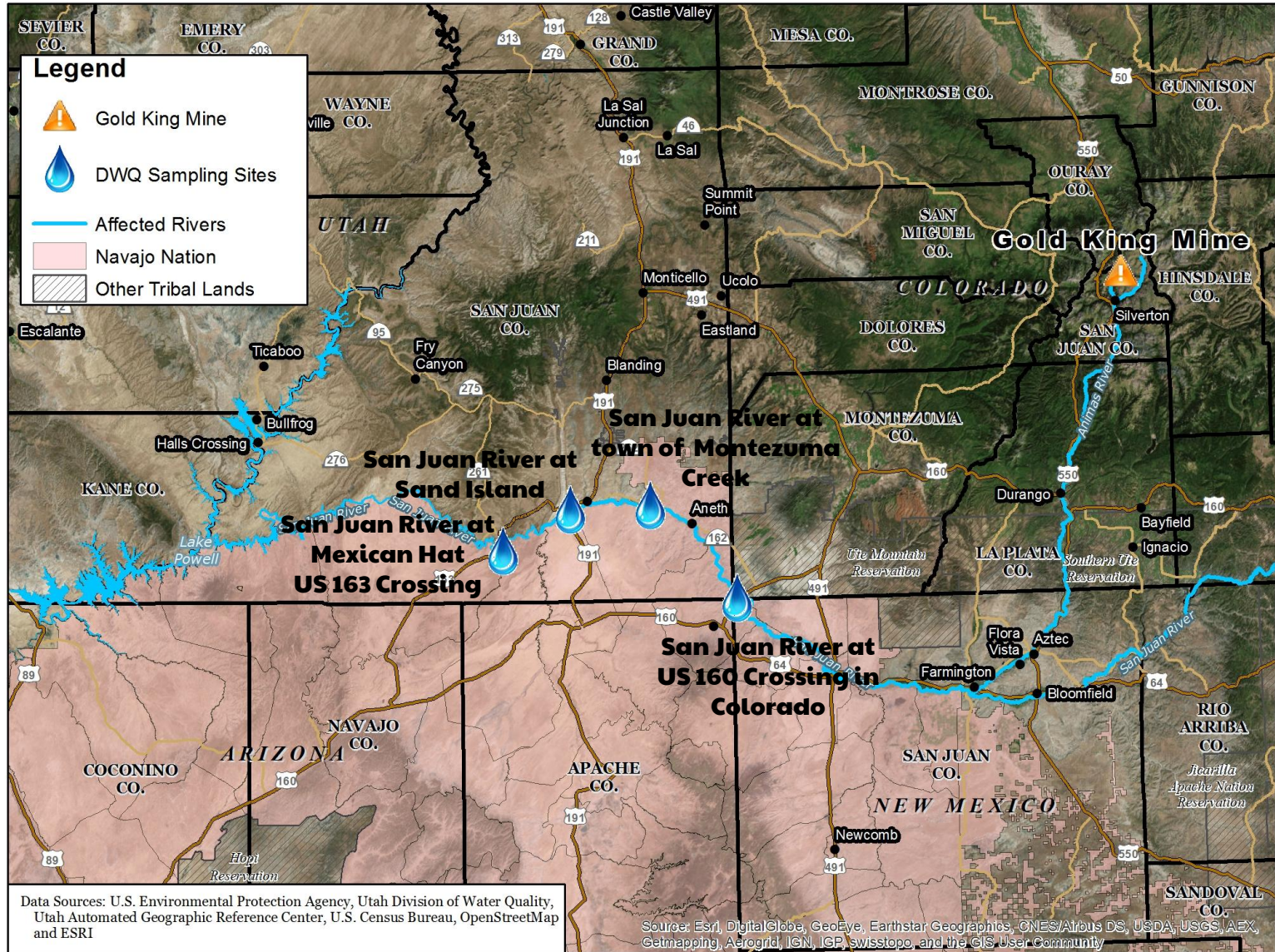
Animas River, @Wilderness

Links to Utah Points of Interest [Map](#) and Details, [continued](#).



# Spill Map with Utah Points of Interest

Click on Map Icons for more information about each location



# Gold King Mine Spill Details, Cont.



## Precautions:

Residents should not drink water, or allow livestock to drink water water and do not swim or raft in the San Juan River until the river water has been cleared for use. Residents in Utah are advised that the water will not show a discoloration as the metals and pollutants are dissolved in the water.

Utah's San Juan County officials report the community water systems of Bluff, Oljato, Monument Valley, Mexican Hat and Navajo Mountain will not be affected by the contamination in the river.

Updates pertaining to the Animas River provided by Colorado's San Juan County Emergency Management, are available at <http://www.sjcoem.com/>

## EPA Personnel Responding

Gold King Mine Release 2015	
08/11/2015	
Group	Number
EPA @ REOC	13
Contractors @ REOC	2
EPA in Field (R8)	23
Contractors in Field (R8)	12
EPA Laboratory	8
Contractors Laboratory	7
USCG	10
ERT	1
<b>Total EPA Region 8 Resources</b>	<b>76</b>

For more information on the EPA response visit:  
[epa.gov/goldkingmine](http://epa.gov/goldkingmine)



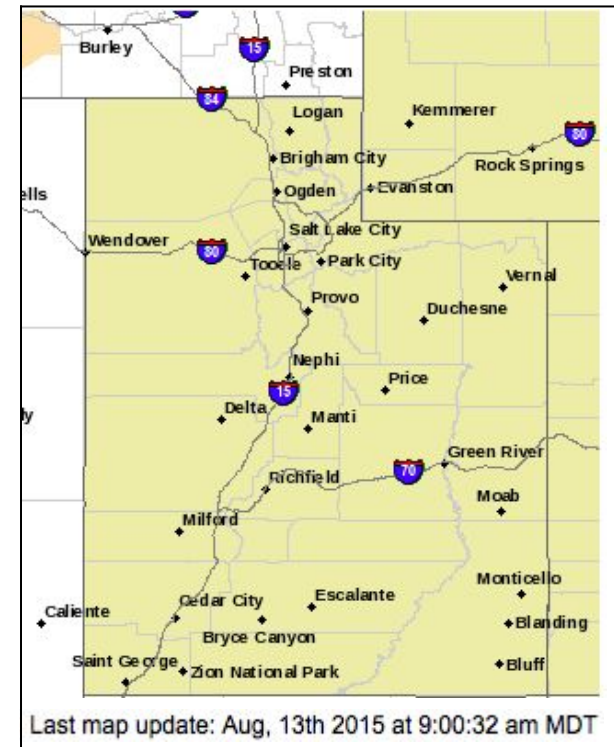
# Significant Weather Details

The National Weather Service has issued a Hazardous Weather Outlook for the Western two-thirds of Utah.

Showers and thunderstorms will become scattered across Utah again today. Local heavy rain will be possible across the south with an elevated threat of flash flooding. Storms will continue into this evening and then diminish.

Showers and thunderstorms will increase in coverage again on Friday and continue into Friday night across northern Utah.

A drying trend is expected Saturday and will continue through the first half of next week. The storms will then become more isolated.



Hazardous Weather Outlook

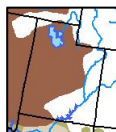
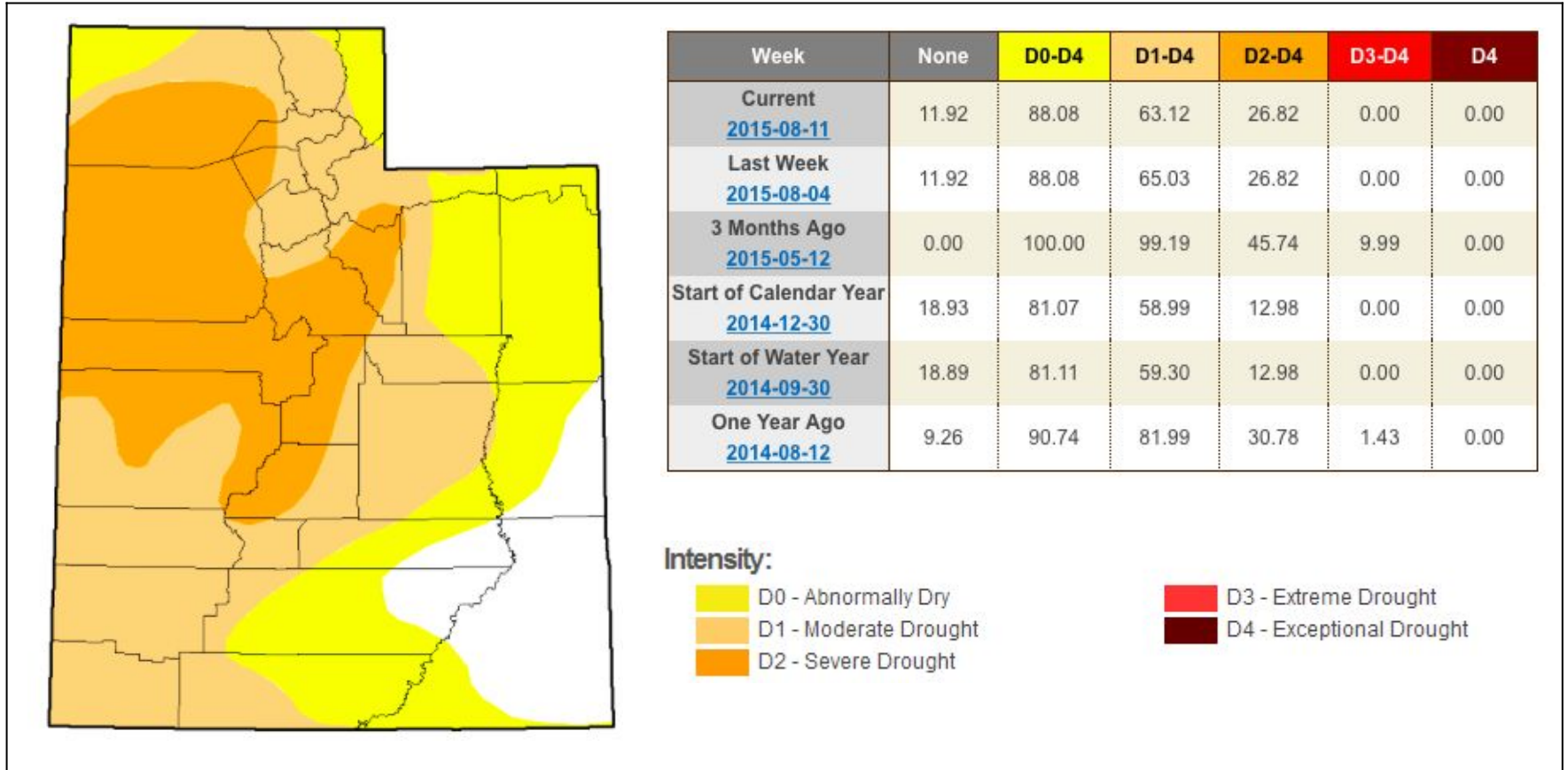


For frequently updated information regarding severe weather from the National Weather Service: [Click Here](#)



# Drought Information

Drought Disaster Designations: As of August 12, there are 21 Primary Counties and 8 Contiguous Counties with disaster designations in Utah



Click [here](#) for the **Seasonal Drought Outlook** valid July 16 through October 31. Many parts of Utah should see drought persist or perhaps intensify.

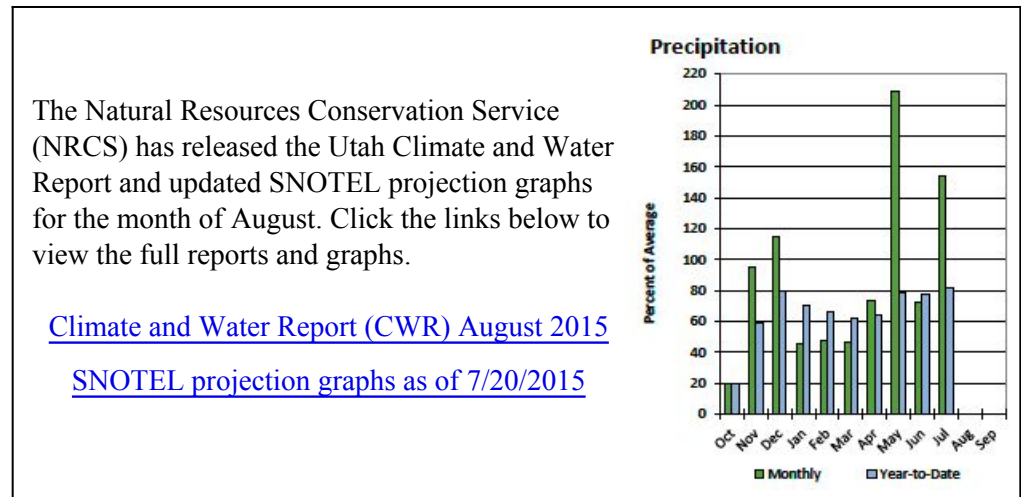
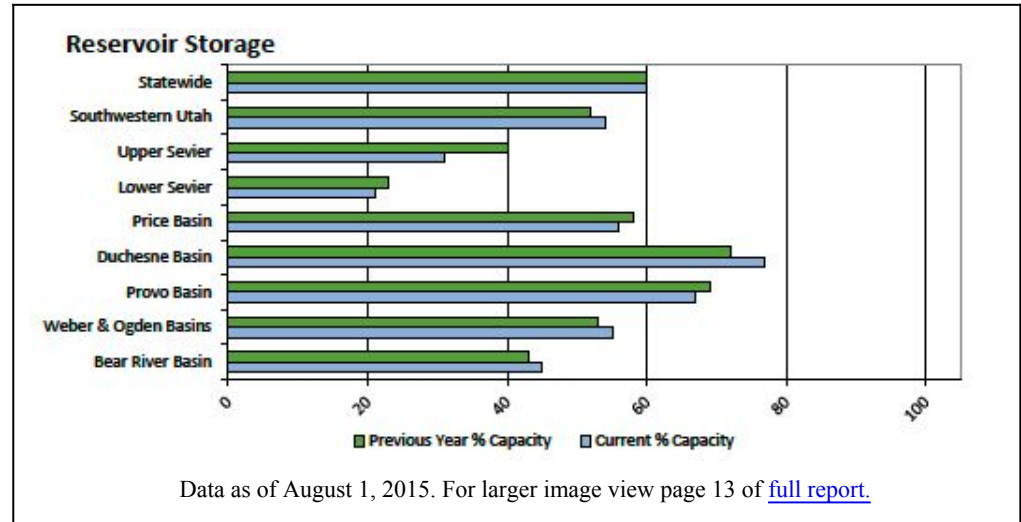
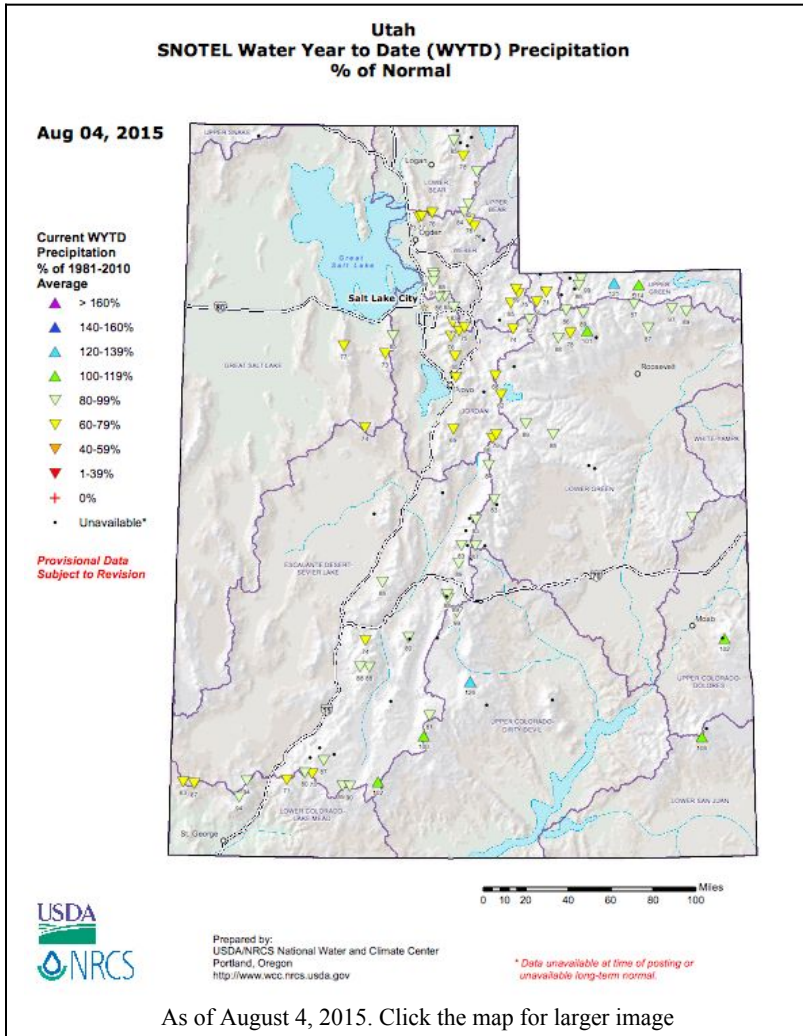
This data is released weekly on Thursdays. [Click here](#) for Drought Monitor details.

For updates, visit [usda.gov/drought](http://usda.gov/drought) and <http://droughtmonitor.unl.edu>





# Water Supply Data



Precipitation in June was below average at 73%, which brings the seasonal accumulation (Oct-Jun) to 78% of average. Soil moisture is at 49% compared to 44% last year. Reservoir storage is at 67% of capacity, compared to 66% last year.

For more information visit [www.wcc.nrcs.usda.gov](http://www.wcc.nrcs.usda.gov)



# Cyber Threats

## **National:**

Serialization vulnerabilities put many Android devices at risk. Security researchers from IBM discovered an Android operating system (OS) “serialization vulnerability” affecting versions 4.3 Jelly Bean through 5.1 Lollipop, related to Android’s OpenSSLX509Certificate class framework that an attacker could exploit for arbitrary code execution in applications and services, leading to privilege escalation, in which legitimate apps can be replaced with malicious apps that steal data, among other actions.

**Source:** <http://www.securityweek.com/serialization-vulnerabilities-put-many-android-devices-risk>



## **Firefox Alert:**

A vulnerability was discovered with the Firefox web browser used to access the internet that may allow an attacker to read and copy sensitive files on a user's computer. The risk this vulnerability brings to the State of Utah is high and DTS staff are currently taking steps to address this vulnerability.

[Click here](#) for additional solution details.

To report cyber infrastructure incidents or to request information, please contact US-CERT at [soc@us-cert.gov](mailto:soc@us-cert.gov) or visit their Web site: <http://www.us-cert.gov>

Information on IT information sharing and analysis can be found at the IT ISAC (Information Sharing and Analysis Center) Web site: <http://www.it-isac.org>



# Public Assistance Program Summary

## as of 8/13/2015

Disaster	No. of PW*	Amount Awarded	Amount Paid
<a href="#">DR-1955</a> – Declared 2/11/11 Severe Winter Storms and Flooding Garfield, Kane, Washington Counties	160	\$8,729,921	\$7,157,464
<a href="#">DR-4011</a> – Declared 8/8/11 Flooding Multiple counties affected	352	\$8,647,064	\$7,223,240
<a href="#">DR-4053</a> – Declared 2/1/12 Severe Wind Storm Davis County	93	\$2,579,454	\$2,501,857
<a href="#">DR-4088</a> – Declared 11/3/12 Severe Storm and Flooding Washington County	33	\$1,742,813	\$1,416,268

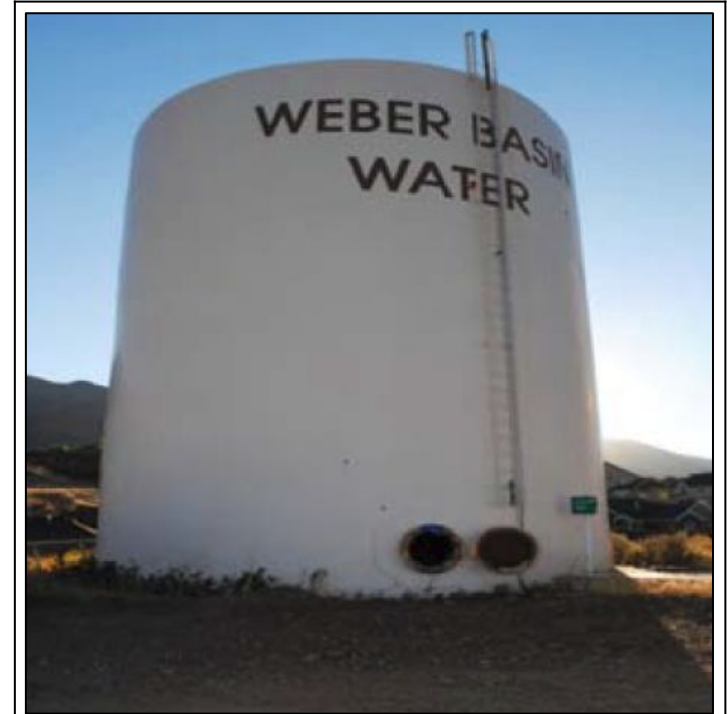
\*The federal [Public Assistance \(PA\) Grant Program](#) administered by FEMA provides grants for debris removal, emergency protective measures, and permanent restoration of infrastructure after Major Disaster Declarations. DEM coordinates the program for the State of Utah. A “PW” (Project Worksheet) is a form used to document the Scope of Work (SOW) and cost estimate for a project. Click [here](#) for additional information.



# Hazard Mitigation Grant Program Summary

Project Number	Project Title	Project Type	Financial Assistance	Amt Expended To Date
1955-2R	St George Sunbrook Golf Course and Monterey Subdivision	Erosion Protection	\$357,057	\$274,400
1955-3R	St George Millcreek Electric Generation Facility	Erosion Protection	\$463,435	\$325,717
1955-4P	Davis County Plan Update	Mitigation Plan	\$23,250	
1955-6P	Murray City School District Multihazard Mitigation Plan	Mitigation Plan	\$31,500	\$31,500
1955-9R	Snyderville Basin Water Reclamation District East Canyon WRF	Seismic Retrofit	\$203,235	\$203,235
1955-11R	Emery County Long Street Culvert # 2 (88"x65")	Flood Reduction	\$90,765	\$66,549
1955-12R	Emery County Long Street Culvert # 1 (48")	Flood Reduction	\$129,607	\$83,762
4011-5R	Murray School District Riverview Junior High School	Seismic Retrofit	\$910,516	\$910,516
4011-6R	St George Riverside Drive	Erosion Protection	\$258,521	\$194,675
4011-7R	NSL Springhill Landslide	Landslide Acquisition	\$162,497	\$162,497
4011-9R	Weber Basin Water Conservancy District 12MG Tank	Seismic Retrofit	\$70,515	\$14,934
4011-10F	Implementation of Risk-based liquefaction maps in hazard ordinances	5 Percent Initiative	\$71,691	
4053-1R	Brigham City Mantua Flooding Mitigation Project Culvert Replacement	Flood Reduction	\$399,758	
4053-2F	UGS 5% LiDAR Acquisition	5 Percent Initiative	\$21,000	\$21,000
4088-1R	Weber Basin Water Conservancy District WTP Backwash Tanks Retrofit	Seismic Retrofit	\$244,938	
4088-4F	UGS 5% Liquefaction Mapping	5 Percent Initiative	\$12,892	\$12,892
	<b>Grand Total</b>		<b>\$3,451,177</b>	<b>\$2,301,676</b>

This information is updated on the 1st each month.



**Weber Basin Water Conservancy District - 12MG Tank**  
(HMGP Project # 4088-1R)

This project pertains to seismic retrofit of backwash tanks located at the District's Davis South Water Treatment Plant and Weber South Water Treatment Plant. These two tanks are a very high priority, since the water treatment plants would need to be shut down if these tanks are not operable. Currently the District is working on design and engineering.

\*The federal [Hazard Mitigation Grant Program](#) (HMGP) administered by FEMA provides grants to states and local governments to implement long-term hazard mitigation measures after Public Assistance is approved under a Major Disaster Declaration. DEM coordinates the program for the State of Utah.

5 Percent Initiative Projects - Projects that may be difficult to conduct a standard Benefit-Cost Analysis (BCA) to prove cost-effectiveness.

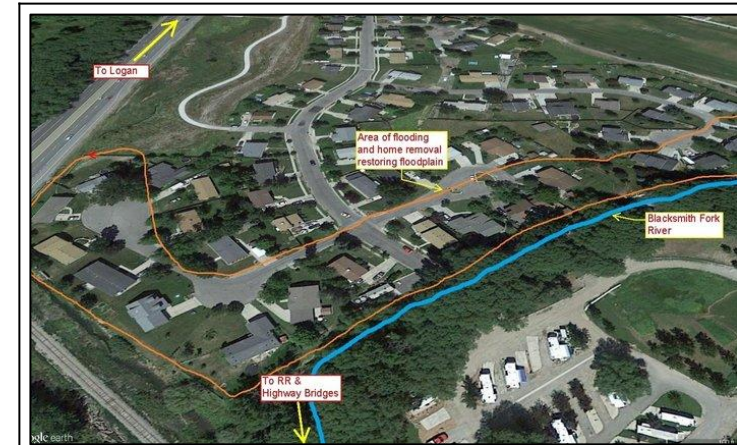


# NRCS EWP\* Program Summary

Project Number	Project Sponsor	Financial Assistance	Amt Expended To Date	Congressional District
5082	Utah Dept of Ag & Food - Spring 2011 Green River Flooding Tusher Diversion	\$5,055,000.00		2
5084	Weber County - Spring 2011 Flooding	\$13,000,000.00	\$10,457,748.44	1
5088	Emery County - 2012 Seeley Fire	\$3,235,200.00	\$3,235,200.00	3
5093	Ivins City - Flash Flooding	\$293,075.57	\$293,075.57	2
	<b>Grand Total</b>	<b>\$21,583,275.57</b>	<b>\$13,986,024.01</b>	

This information is provided by [Bronson Smart](#) of NRCS and is updated on the 1st each month.

\*The U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS) administers the [Emergency Watershed Protection \(EWP\) Program](#), which helps communities recover from natural disasters. The purpose of this program is to safeguard lives and property from floods, drought, and the products of erosion on any watershed whenever fire, flood or any other natural occurrence is causing or has caused a sudden impairment of the watershed. A Presidential Disaster Declaration is not necessary for an area to be eligible for assistance.



**Cache County - Spring 2011 Flooding (Project # 5079)**  
Floodplain restoration project on the Blacksmith Fork River on the south end of Logan. The project was completed in November 2014. The first picture shows the area before the project began. The second shows after homes were removed and the floodplain area was restored. Click on a photo to view larger image.



# Links for More Information

State Fire Restrictions	<a href="http://utahfireinfo.gov/fire_restrictions/restrictions.html">utahfireinfo.gov/fire_restrictions/restrictions.html</a>
Local Fire Restrictions	<a href="http://firemarshal.utah.gov/department-services/fireworks-restricted-areas/">http://firemarshal.utah.gov/department-services/fireworks-restricted-areas/</a>
Updated Fire Info	<a href="http://utahfireinfo.gov">utahfireinfo.gov</a> , <a href="http://inciweb.nwcg.gov">inciweb.nwcg.gov</a> , <a href="#">NWS Fire Weather Outlook</a>
Weather Details	<a href="http://wrh.noaa.gov/slc">wrh.noaa.gov/slc</a> , <a href="http://wrh.noaa.gov/map/?wfo=slc">wrh.noaa.gov/map/?wfo=slc</a> , <a href="http://hpc.ncep.noaa.gov/noaa/noaad1.gif">hpc.ncep.noaa.gov/noaa/noaad1.gif</a>
UT-WARN	<a href="http://utwarn.org">utwarn.org</a>
Traffic and Road Closures	<a href="http://udottraffic.utah.gov">udottraffic.utah.gov</a>
Drinking Water	<a href="http://drinkingwater.utah.gov/emergency_water_storage.htm">drinkingwater.utah.gov/emergency_water_storage.htm</a>
Air and Health Advisories/Information	<a href="http://airquality.utah.gov">airquality.utah.gov</a> , <a href="http://airnow.gov">airnow.gov</a> , <a href="http://health.utah.gov/asthma">health.utah.gov/asthma</a> , <a href="#">Current air quality conditions</a>
Be Ready Utah Program	<a href="http://BeReadyUtah.gov">BeReadyUtah.gov</a>
Drought Information	<a href="http://usda.gov/drought">usda.gov/drought</a> , <a href="#">List of All Designated Counties</a> , <a href="#">Drought Disaster Designations Map as of 8/5/15 (PDF download)</a>
Login to WebEOC	<a href="https://veocutah.webeocasp.com/veocutah/">https://veocutah.webeocasp.com/veocutah/</a>



# DEM Email Addresses

The Division of Emergency Management aims to support all 29 counties and 11 Tribal Nations in Utah. The following email addresses may be utilized to share and receive information. This is not a complete listing of all email addresses for the division, but this list should assist you in getting in touch with the appropriate contact.

Operations	DPSDEMOPS@utah.gov
Ops Desk	opsdesk@utah.gov
Planning, Situation Reports & Briefings	esf05planning@utah.gov
Liaisons	Northern Region – Kimberly Giles kgiles@utah.gov Wasatch Front Region – Tara Behunin tarabehunin@utah.gov Central Utah Region – Jeff Gallacher jgallacher@utah.gov Southwest Region – Scott Alvord salvord@utah.gov Northeastern Region – Mechelle Miller mmiller@utah.gov Castle Country and Four Corners Regions – Angelia Crowther acrowther@utah.gov Or you can contact all the liaisons simultaneously at dpsdemlno@utah.gov
Mitigation and Recovery	Brad Bartholomew bbart@utah.gov
Public Assistance Program	Jake Unguren junguren@utah.gov
Individual Assistance Program	Eric Martineau emartineau@utah.gov
Utah Public Private Partnerships (UP3)	Matt Beaudry mbeaudry@utah.gov
Public Information Officer	Joe Dougherty jdougherty@utah.gov or esf15pubaffairs@utah.gov
Be Ready Utah	bereadyutah@utah.gov
WebEOC Help	Rey Thompson reythompson@utah.gov



# Division of Emergency Management

## What Does the Division of Emergency Management Do?

DEM (pronounced D-E-M) plays an active role during emergencies and disasters. The Division coordinates emergency management efforts between federal, state and local government agencies and tribal nations. These efforts include preparedness, response, recovery and mitigation.

DEM also brings subject matter experts and multiple state agencies together at the State Emergency Operations Center to support and coordinate response and recovery as needed.

While Utah is not located in the hurricane path or tornado alley, disasters strike here. For the list of threats and hazards in Utah see the State Hazard Mitigation [Plan](#). When no incidents are underway, the Division's year-round efforts prepare the State of Utah to better respond to and recover from disasters.

UTAH DEPARTMENT OF PUBLIC SAFETY

## DIVISION OF EMERGENCY MANAGEMENT

### Our Vision

*To achieve a self-sustaining  
culture of emergency preparedness  
for all individuals  
and communities in Utah.*

### Our Mission

*To unite the emergency management community  
and to coordinate the efforts necessary  
to mitigate, prepare for, respond to  
and recover from  
emergencies, disasters and catastrophic events.*



To learn more about DEM, the agency which produces Weekly Briefings and Situation Reports, click [here](#) for the 2014 Annual Report. Also, see [DEM Organizational Chart](#).

For questions or comments regarding this DEM report, email: [ESF05Planning@utah.gov](mailto:ESF05Planning@utah.gov)

