



Time: 637 AM Tuesday June 30, 2015

Forecaster: Bryan Rappolt

MESSAGE 2

Flash Flood Prediction Program

FLASH FLOOD WATCH

FLOOD WARNING EXERCISE – THIS IS ONLY A TEST

The National Weather Service has issued a **FLASH FLOOD WATCH** for: the following counties: **Boulder (City of Boulder affected, Four Mile Burn Area affected), Jefferson, Broomfield, Douglas, Adams, Denver, Arapahoe** including: **DIA, the City of Aurora, Arvada, Wheat Ridge, Lakewood**

from: **Current to 1159 PM. The National Weather Service in Boulder has issued a Flash Flood Watch that includes the entire District from Current until 1159 PM tonight.**

Prime time for flooding: **Current to 1000 PM.**

Forecast rainfall: **Rain showers and training thunderstorms will have the potential to produce very heavy rainfall of 2.50-7.00" of rain in 3-6 hours.**

The most likely areas to be impacted by flooding are:

- Mountain streams & floodplains; road crossings; canyon roads & highways; recreational trails; adjacent open space areas/campgrounds/parks; fishing access points & stream reaches; buildings near streams; utilities
- Urban streams/gulches; road crossings; recreational trails; adjacent open space areas/campgrounds/parks; floodplain properties; utilities
- Urban streets, intersections, low lying areas, known trouble spots
- Mountain locations subject to mud/rock/debris slide

Additional information: **Flash flooding of District watercourses will be possible today and tonight as well as significant urban and street flooding from slow moving thunderstorm cells.**

A Flash Flood Watch means that flash flooding is possible within the watch area.

This message is not intended for public dissemination. Please pass this information along to affected emergency response organizations (police, fire, public works, etc.) within your area.

Also, please take appropriate actions to prepare for possible flooding.

Further information will be provided to you as it becomes available.





**QUANTITATIVE PRECIPITATION FORECAST (QPF)
Flash Flood Prediction Program**

MORE RAIN SHOWERS AND THUNDERSTORMS WITH HEAVY RAINFALL LIKELY

FLOOD WARNING EXERCISE – THIS IS ONLY A TEST

- Rain showers will produce rainfall amounts of 0.25" to 0.60" in 10-30 minutes, while thunderstorms will produce heavy rainfall of 0.40" to 1.60" in 10-30 minutes. Heavy rainfall of up to 2.50" of rainfall in 60-120 minutes will be possible, due to thunderstorm training.
- Very heavy rainfall of up to 8.00" will be possible over a 4-7 hour period due to training thunderstorm cells.

STORM STRENGTH vs. PEAK RAINFALL AMOUNTS (inches)

Strength	10 min	30 min	60 min	Storm Total
Weak	0.10	0.30	0.50	0.90
Moderate	0.30	0.90	1.30	2.50
Strong	0.60	1.60	2.50	4.00

NOTE: Peak storm rainfalls in >50dBZ radar reflectivity areas only

ZONE/BASIN-SPECIFIC FORECAST PROBABILITIES OF OCCURRENCE

Location	Weak Storm	Moderate Storm	Strong Storm
above 6000 feet			
Boulder County	100%	80%	50%
Jefferson County	100%	80%	50%
Douglas County	100%	80%	50%
below 6000 feet			
District NW of I-25 & I-70	100%	80%	50%
District NE	100%	80%	50%
District SE	100%	80%	50%
District SW	100%	80%	50%
Warning Plan Basins			
Boulder & South Boulder Creek	100%	80%	50%
Ralston Creek	100%	80%	50%
Lena Gulch	100%	80%	50%
Bear Creek	100%	80%	50%
Goldsmith & Harvard Gulch	100%	80%	50%
Westerly Creek	100%	80%	50%
Toll Gate Creek	100%	80%	50%
Other Drainage Basins			
Coal Creek	100%	80%	50%
Clear Creek	100%	80%	50%
Sand Creek	100%	80%	50%
Cherry Creek (Denver)	100%	80%	50%
Cherry Creek (Douglas Co.)	100%	80%	50%
Plum Creek	100%	80%	50%

No entry means less than a 10% probability





Internal Message Status

Flash Flood Prediction Program

MESSAGES 2'S ISSUED FOR THE ENTIRE DISTRICT

FLOOD WARNING EXERCISE – THIS IS ONLY A TEST

- An upper level low located over southern Nevada will continue to pump sub-tropical moisture over the District today and tonight. As was the case yesterday and earlier this morning, the result will be copious amounts of rain showers and embedded thunderstorms that will move from south to north across the District throughout the day.
- Message 2's and NWS Flash Flood Watch have been issued for the entire forecast District, valid until Midnight.
- The wet weather pattern, and heavy rainfall threat, is expected to continue through Friday.

STORM RAINFALL POTENTIAL AND DURATION: Rain showers will produce rainfall amounts of 0.08" to 0.35" in 10-30 minutes, while thunderstorms will produce heavy rainfall of 0.40" to 1.60" in 10-30 minutes. Heavy rainfall of up to 3.50" of rainfall in 1-3 hours will be possible, due to thunderstorm training.

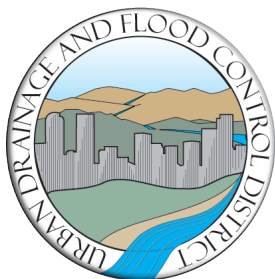
WORST CASE SCENARIO: A slow moving thunderstorm complex or multiple strong thunderstorms track over a single location resulting in up to 6.00" of rainfall in 3-6 hours.

County	Message	Valid Times	Prime Time
<i>Boulder County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Jefferson County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Broomfield County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Douglas County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Adams County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Denver County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>DIA</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Arapahoe County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>the City of Aurora</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Arvada</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Wheat Ridge</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Lakewood</i>	2	Current TO 1200 AM	Current TO 1000 PM

County-specific Quantitative Precipitation Outlook	Precipitation Time	30-Minute Rainfall and % Probability	Message Potential
Plains			
Adams	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Arapahoe	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Boulder	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Broomfield	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Denver	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Douglas	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Jefferson	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Foothills above 6500ft			
Boulder	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Douglas	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED
Jefferson	Current TO 1200 AM	0.1" (100%) to 0.4" (80%) to 1.2" (50%)	ISSUED

MONITOR NATIONAL WEATHER SERVICE FOR SEVERE WEATHER STATEMENTS.





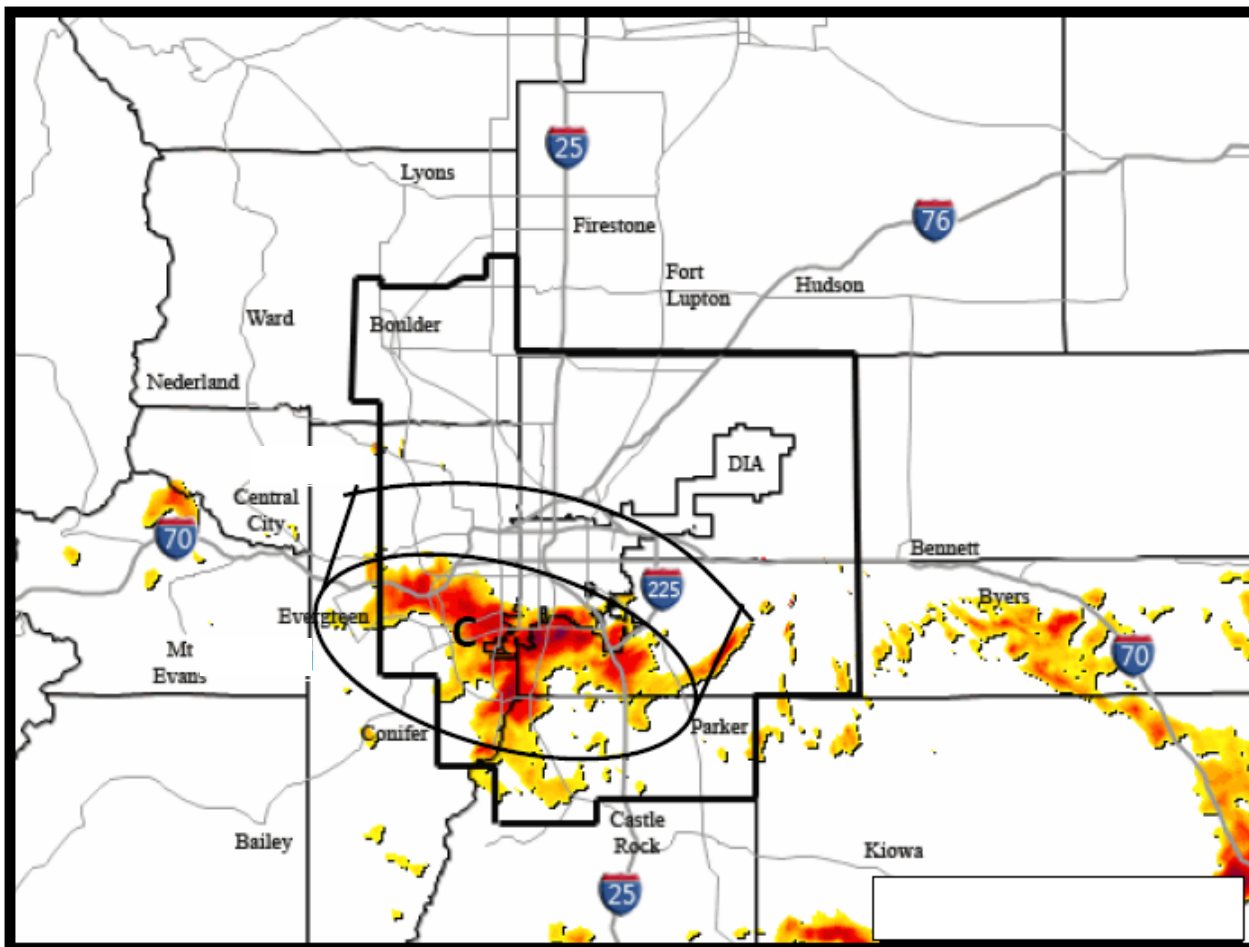
Date/Time: June 30th, 2015 920 AM

Meteorologist: Bryan Rappolt

Storm Track Prediction

Flash Flood Prediction Program

VALID PERIOD: 930 AM – 1100 AM



Storm C: Very heavy rain of 2.50-5.00" likely over the next 1-2 hours. Storm motion is very slowly to the north/northeast. Large hail and active cloud to ground lightning will be likely as well. Flash Flooding will be likely across central Jefferson County, western Arapahoe County and Denver County.

FLOOD WARNING EXERCISE – THIS IS ONLY A TEST

UDFCD Flood Prediction Center: 303-458-0789 (voice) 303-458-5309 (fax) Website: <http://f2p2.udfcd.org>

Genesis Weather Solutions/Skyview Weather Prediction Center: 303-688-9175 (voice)

Consultant Email: f2p2@skyview-wx.com

Website: <http://skyview-wx.com> & <http://www.genesisweathersolutions.com>





Time: 945 AM Tuesday June 30, 2015

Forecaster: Bryan Rappolt

MESSAGE 3
Flash Flood Prediction Program

FLASH FLOOD WARNING

PRIORITY DISSEMINATION RECOMMENDED

FLOOD WARNING EXERCISE – THIS IS ONLY A TEST

The National Weather Service has issued a **FLASH FLOOD WARNING** for the following counties: **Jefferson**, including: **The City of Lakewood and Wheat Ridge**.

from: **Current** to **1200 PM**. **The National weather service has issued a Flash Flood Warning effective until 1200 PM for central Jefferson County. 2.00 to 4.00 inches of rain has been observed across the warned area over the last 2 hours. Flash flooding is expected as additional heavy rain of 2.50 to 5.00" is expected over the next 2-4 hours.**

Prime time for flooding: **Current** to **1230 PM**.

Forecast rainfall: **2.50 to 5.00" of rainfall is expected over the next 2-4 hours.**

The most likely areas to be impacted by flooding are:

Urban streams/gulches; road crossings; recreational trails; adjacent open space areas/campgrounds/parks; floodplain properties; utilities

Urban streets, intersections, low lying areas, known trouble spots

Additional explanation: **Flooding of creeks, rivers and streams is occurring or imminent.**

Please pass this information along to affected emergency response organizations (police, fire, public works, etc.) within your area.

Also, please take appropriate actions to prepare for possible flooding.

Further information will be provided to you as it becomes available.





Time: 1015 AM Tuesday June 30, 2015

Forecaster: Bryan Rappolt

Internal Message Status Flash Flood Prediction Program

MESSAGES 2'S CONTINUE VALID...MESSAGE 3'S IN AFFECT FOR PORTIOS OF THE DISTRICT **FLOOD WARNING EXERCISE – THIS IS ONLY A TEST**

- An upper level low located over southern Nevada will continue to pump sub-tropical moisture over the District today and tonight. As was the case yesterday and earlier this morning, the result will be copious amounts of rain showers and embedded thunderstorms that will move from south to north across the District throughout the day.
- Message 2's and NWS Flash Flood Watch have been issued for the entire forecast District, valid until Midnight.
- A Flash Flood Warning and Message 3's have been issued for central Jefferson County, western Arapahoe County and Denver County.

STORM RAINFALL POTENTIAL AND DURATION: Rain showers will produce rainfall amounts of 0.08" to 0.35" in 10-30 minutes, while thunderstorms will produce heavy rainfall of 1.00" to 2.50" in 10-30 minutes. Heavy rainfall of up to 7.00" of rainfall in 3-5 hours will be possible, due to thunderstorm training.

WORST CASE SCENARIO: A slow moving thunderstorm complex or multiple strong thunderstorms track over a single location resulting in up to 8.00" of rainfall in 4-6 hours.

County	Message	Valid Times	Prime Time
<i>Boulder County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Jefferson County</i>	3	Current TO 1200 PM	Current TO 1200 PM
<i>Broomfield County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Douglas County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Adams County</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Denver County</i>	3	Current TO 1200 PM	Current TO 1200 PM
<i>DIA</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Arapahoe County</i>	3	Current TO 1200 PM	Current TO 1200 PM
<i>the City of Aurora</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Arvada</i>	2	Current TO 1200 AM	Current TO 1000 PM
<i>Wheat Ridge</i>	3	Current TO 1200 PM	Current TO 1200 PM
<i>Lakewood</i>	3	Current TO 1200 PM	Current TO 1200 PM

County-specific Quantitative Precipitation Outlook	Precipitation Time	30-Minute Rainfall and % Probability	Message Potential
Plains			
Adams	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Arapahoe	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Boulder	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Broomfield	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Denver	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Douglas	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Jefferson	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Foothills above 6500ft			
Boulder	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Douglas	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED
Jefferson	Current TO 1200 AM	1.0" (100%) to 2.5" (80%) to 5.0" (50%)	ISSUED

UDFCD Flood Prediction Center: 303-458-0789 Website: <http://f2p2.udfcd.org>

