

Situation Report

Incident Name:

Heavy rainfall June 2015

Reporting Period:

06/25/2015 04:00 - 06/25/2015 16:00

Situation Report Number:

1

EOC Activation Level:

Level 3



For Additional Information Contact:

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Polk County EMA

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Proudly serving the communities of:

Ilwaco, Altoona, Ankeny, Bondurant, Clive, Des Moines, Elkhart, Grimes, Johnston, Mitchellville, Pleasant Hill, Polk City, Polk County, Runnells, Urbandale, West Des Moines, and Windsor Heights

State EOC Activation Level: 1 - Monitoring

Emergency Classification Level: No Proclamations or Declarations

Incident: Heavy rainfall June 2015

Situation Report: 1

Operational Period: 06/25/2015 04:00 - 06/25/2015 16:00 **Situation Report As Of:** 06/25/2015 08:02

Section 1: Situation Description

Multiple rounds of severe storms have occurred over night producing heavy rain within Polk County. Thunderstorms capable of producing very heavy rainfall are expected persist into the mid morning hours. Rainfall rates associated with the most intense storms will likely exceed 2 to 4 inches per hour and multiple storms may continue to pass over the same area. Several locations have already received significant rainfall and any additional rainfall in a short time frame will lead to a significant flash flood threat. Rainfall amounts may exceed 3 inches with some locations reaching 5 inches.

Walnut Creek will crest at 80/35 at 13.5 ft and at 17.8 ft at 63rd Street.

Fourmile Creek is cresting slightly below flood stage.

The Raccoon River is expected to go into moderate/major flooding in the Des Moines Metro. It will crest this afternoon.

The Des Moines River will have major flooding at the SE 6th location. However the predictions could change depending on Saylorville operation changes with the Army Corps of Engineers.

Section 2: Forecast

Five Day Forecast: Iowa - Des Moines (KDVN)

Thursday	Friday	Saturday	Sunday	Monday
				
Likely Thunderstorms	Chance of Thunderstorms	Clear	Chance of Thunderstorms	Chance of Thunderstorms
81 F / 27 C 66 F / 18 C	74 F / 23 C 60 F / 15 C	78 F / 25 C 60 F / 15 C	79 F / 26 C 62 F / 16 C	80 F / 26 C 64 F / 17 C

Today

Partly sunny, with a high near 81. North northeast wind around 8 mph.

Tonight

A 40 percent chance of showers and thunderstorms, mainly after midnight. Mostly cloudy, with a low around 66. Northeast wind 3 to 8 mph. New rainfall amounts between a tenth and quarter of an inch, except higher amounts possible in thunderstorms.

Friday

A 50 percent chance of showers and thunderstorms. Mostly cloudy, with a high near 75. Northeast wind 6 to 10 mph. New rainfall amounts between a tenth and quarter of an inch, except higher amounts possible in thunderstorms.

Friday Night

Partly cloudy, with a low around 60. North northeast wind 5 to 9 mph becoming light north after midnight.

Saturday

Mostly sunny, with a high near 78. North wind 5 to 8 mph.

Saturday Night

Partly cloudy, with a low around 62.

Sunday

A 40 percent chance of showers and thunderstorms. Partly sunny, with a high near 81.

Sunday Night

A 30 percent chance of showers and thunderstorms. Partly cloudy, with a low around 63.

Monday

Mostly sunny, with a high near 80.

Monday Night

Mostly clear, with a low around 62.

Tuesday

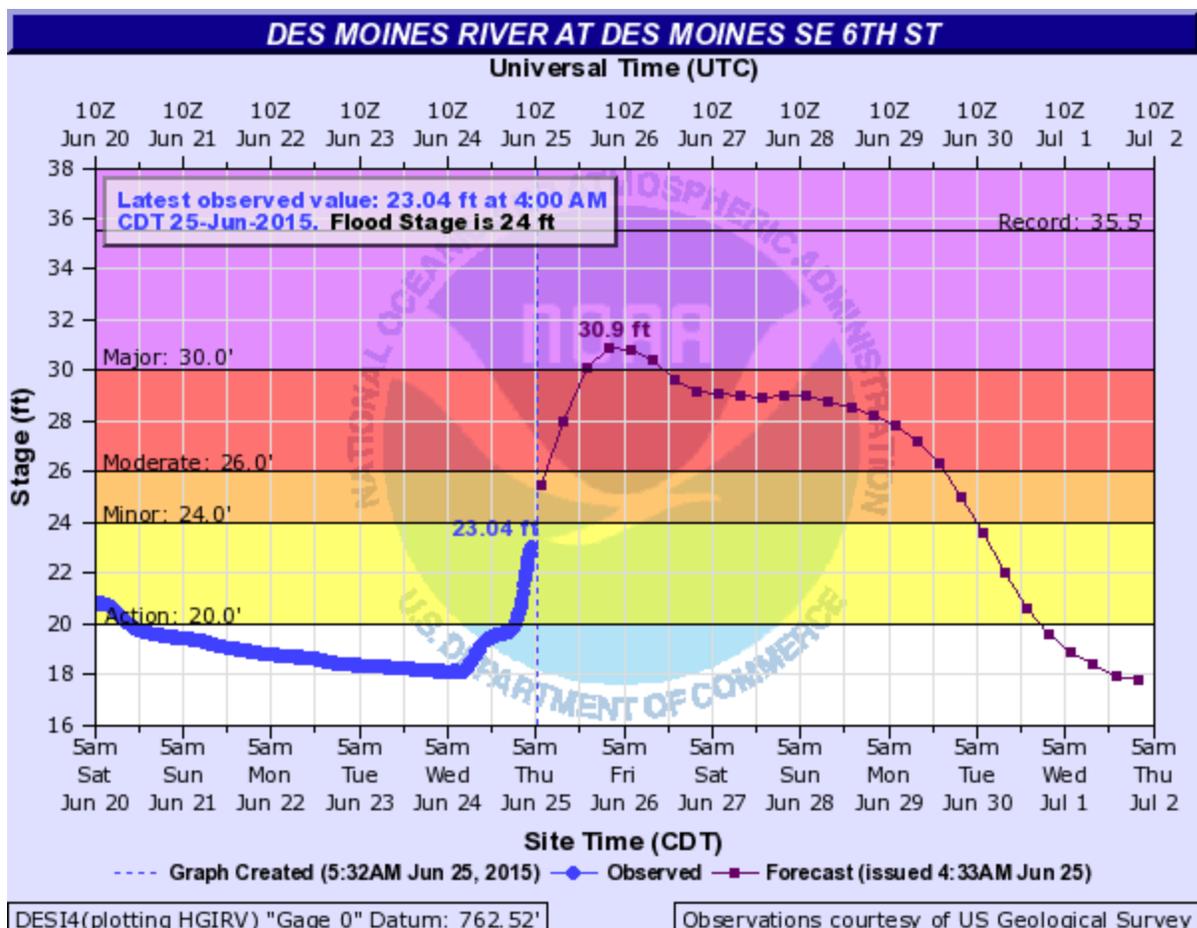
Mostly sunny, with a high near 81.

Tuesday Night

Mostly cloudy, with a low around 63.

Wednesday

Partly sunny, with a high near 80.



IMPACTS

- 37.3 This is the top of the levee on the downstream side of Southeast 6th Street.
- 35 Water completely fills the grass bowl of the Simon Estes Amphitheater.
- 34 Water surrounds Principal Park and approaches its entrances.
- 30 The following roads are closed...Carlisle Road...Hartford Avenue...Southeast 22nd Street...Edison Avenue and Granger Avenue. Levee gates are closed north of Walnut Street.

28.7 Simon Estes Amphitheater is inundated up to intersection of the arcing sidewalks.

26.3 Water covers Arthur Street east of Carlisle.

26 The levee gate is closed at Southeast 4th Street and Shaw Street.

25.7 Water surrounds the base of Simon Estes Amphitheater.

24.5 Deans Lake is closed.

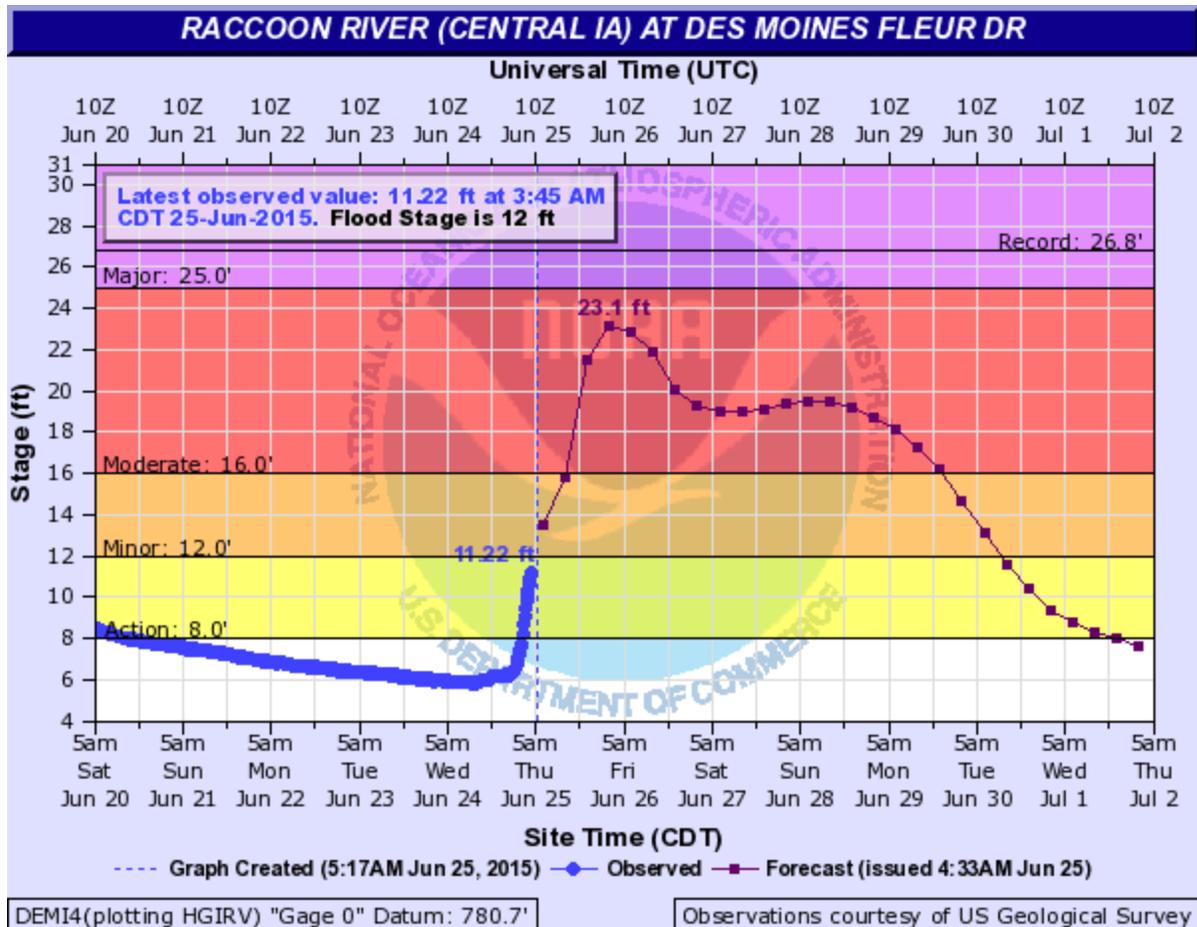
24 The bike trail is closed east of Water Street.

22.7 Levee closures occur at Southeast 15th Street.

20.5 The storm valve is closed at Southeast 6th Street and Dunham.

20 The east side business storm valve is closed. Water affects the detention basin at East 7th Street and Elm.

18.5 The interior drainage gates are closed. Storm sewer backup may occur near Southeast 14th Street and Maury Street.



IMPACTS

31 This is the top of the levee surrounding Des Moines Water Works.

27.7 This is the top of the levee surrounding Valley Gardens.

25 Fleur Drive is closed. George Flagg Parkway is closed at Fleur. Gates are closed near 63rd Street...Southwest 3rd Street...west of the Fleur viaduct and Southwest 30th Street. Gates are closed near Central Academy...under the Fleur viaduct and the railroad tracks at 62nd Street. Levee closures occur near 63rd Street south of Railroad Avenue...George Flagg Parkway at Southwest 28th Street...the access road to Carney Park...three driveways to Principal Park and Southwest 30th Street north of Bell Avenue.

24.5 Water is just below surface of Jackson Street trail bridge upstream of Southwest 3rd Street bridge.

- 20 An earthen levee may be installed across Southwest 22nd under the Fleur Drive viaduct.

- 18.5 The maintenance buildings outside of the levee protection at Des Moines Water Works Park flood. Levee gates are closed across George Flagg Parkway at Southwest 18th Street.

- 18 All the levee gates are closed in Water Works Park.

- 17.2 Water overtops portions of Fleur Drive.

- 17 Levee gates are closed west of Southwest 18th Street at George Flagg Parkway...and at the railroad tracks.

- 16.5 Above this stage...water flows through Water Works Park south of the Water Works Buildings...cutting off a large meander bend in the river and diverting increasing amounts of stream flow away from the main river channel.

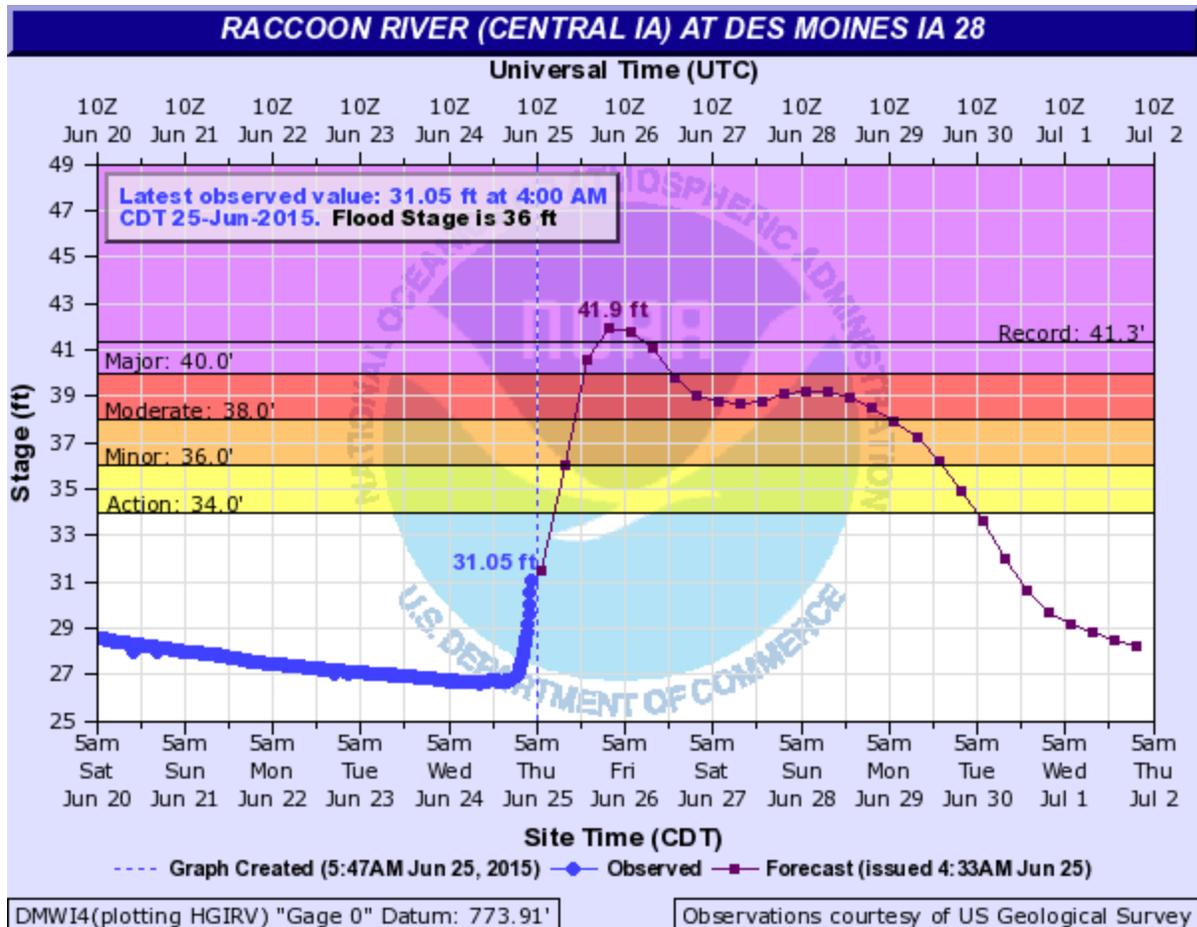
- 16 Southwest 30th Street is closed from George Flagg Parkway to Bell Avenue. George Flagg Parkway is closed from Southwest 30th Street to Southwest 28th Street.

- 15.5 Water approaches Fleur Drive and affects the Grays Lake trails.

- 13.5 Water affects the low areas of Water Works Park.

- 12 George Flagg Parkway is closed from Park Avenue to Southwest 30th Street.

- 9 The storm valve is closed at Southwest 28th Street and Garden Road.

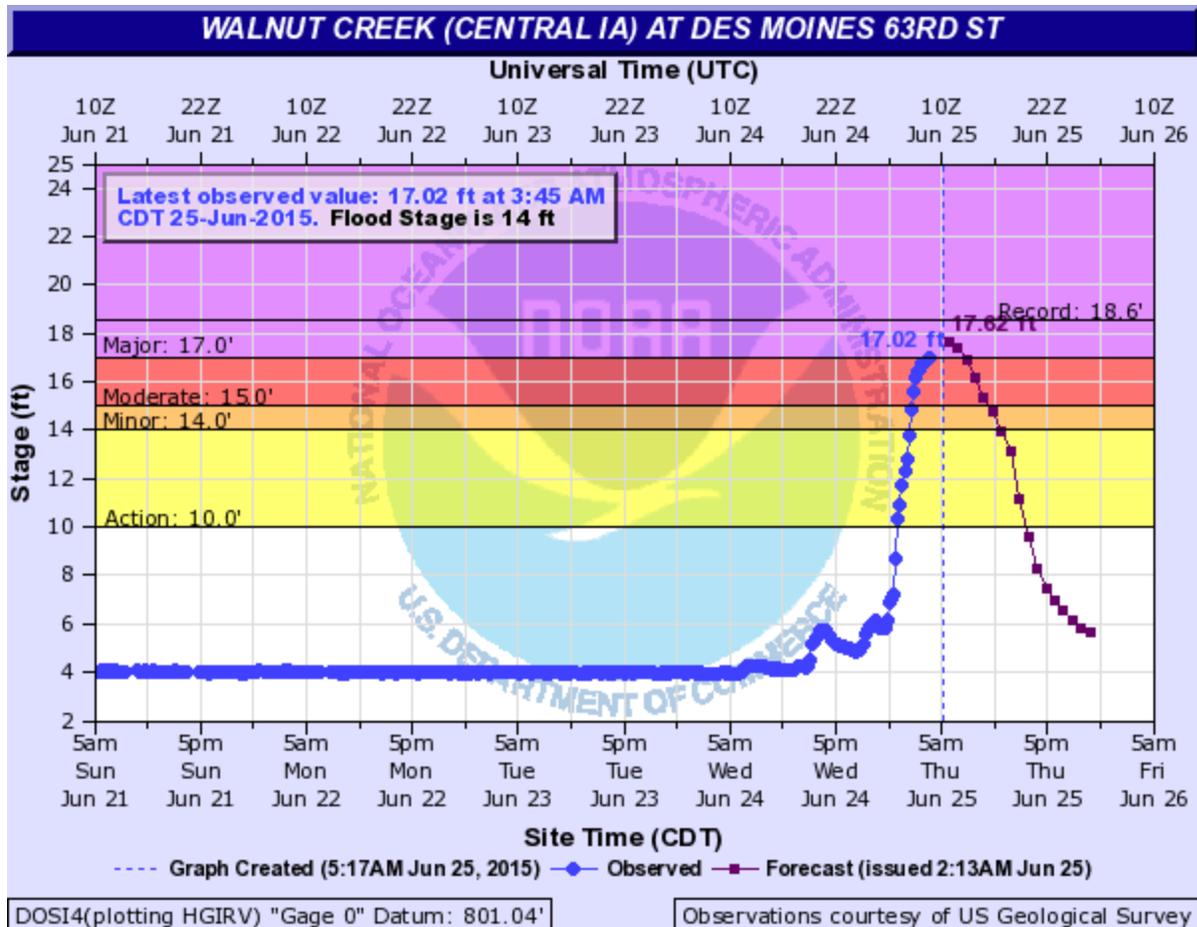


IMPACTS

- 46.2 This is the top of the West Des Moines levee.
- 43 This is the top of the Des Moines levee at Iowa 28 and 63rd Street.
- 42 Water covers I-35.
- 41 The levee is closed at Jordan Creek and Iowa 28.
- 40.5 Water affects Grand Avenue near Raccoon River Regional Park.
- 40 Iowa 28 is closed north of the river. Water overtops the berm on the west side of Raccoon River Park...affecting the park and surrounding

area.

- 39 Water affects businesses...Commerce Drive and Raccoon River Drive from South 88th Street to Grand Avenue.
- 38 Water affects primary roads in several locations.
- 36 Water affects Blue Heron Lake at Raccoon River Park.
- 35.5 Water covers Walnut Woods Drive and affects Walnut Woods State Park.
- 30 The City of West Des Moines operates the levee system including pumps.



IMPACTS

25.4 This is the top of the West Des Moines levee.

25 This is the top of the floodwall on the east side of 63rd Street.

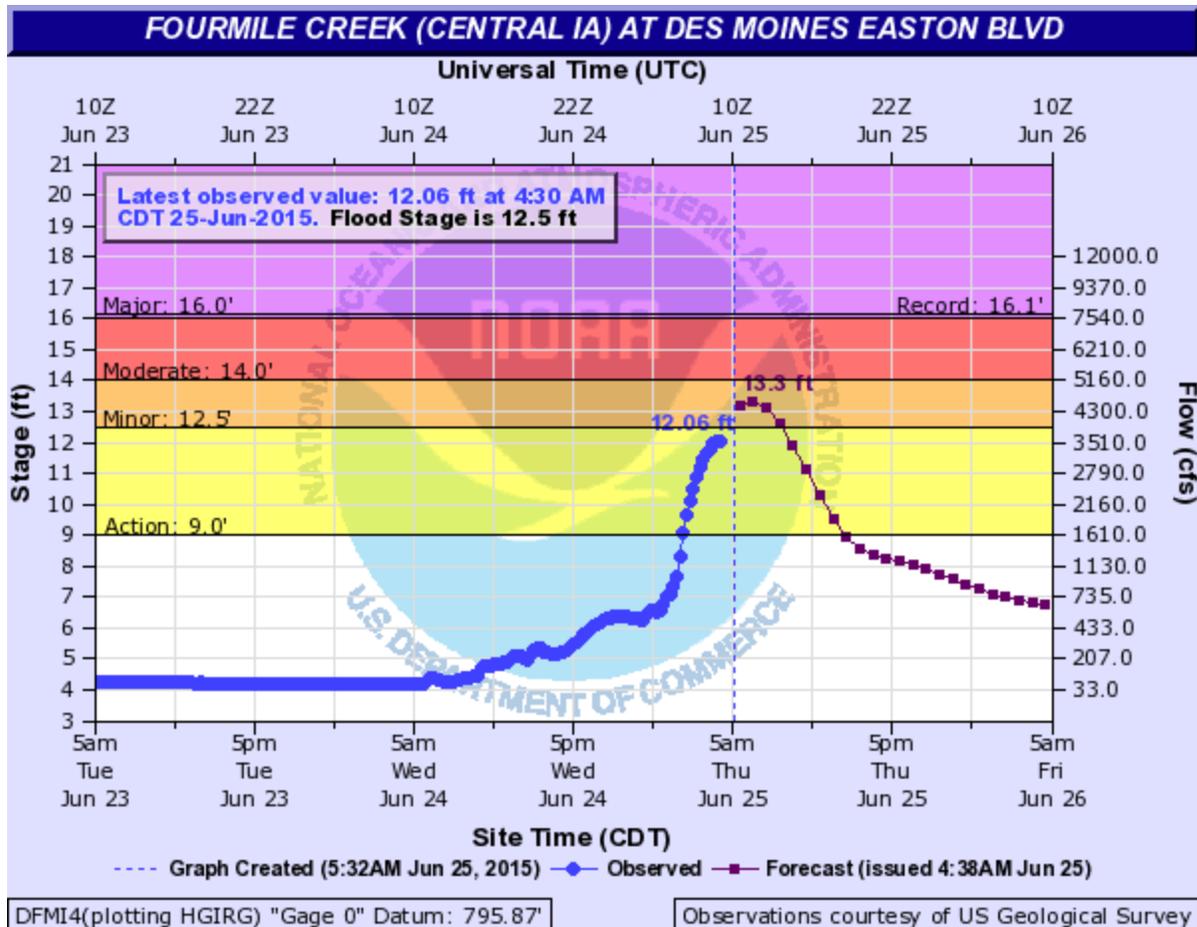
23.9 Water reaches the road surface of 63rd Street.

18.5 Water affects 73rd Street near I-235. Water reaches the underside of the 63rd Street bridge.

17.7 Water reaches the base of the railroad bridge upstream of 63rd Street.

17.5 The 63rd Street overhead gates are closed.

- 17 The following roads are closed...Grand Avenue...63rd Street...Walnut Hill Drive and 61st Street. The railroad tracks are closed north of Grand Avenue.
- 16.5 The Grand Avenue overhead gates are closed.
- 16 Water covers Grand Avenue in Des Moines. Water affects some nearby residences.
- 15 North Valley Drive is closed.
- 14 Water covers Hoak Road between Center Street and the levee affecting several businesses.
- 13 Walnut Hill Drive is closed. Lowland flooding occurs along the east river bank downstream of 63rd Street. The levee gate is closed east of Winona Street.



IMPACTS

14.3 Flooding is likely in the dog park on Hubbell Avenue.

14 Widespread flooding occurs along the reaches of the creek primarily upstream from Easton Boulevard near the Hubbell overpass. Water covers lowland areas of the community center near Easton Boulevard.

13 The low end of the dog park on Hubbell Avenue is threatened.

12.9 Water affects the grounds of a dog park on Hubbell Avenue.

12 Widespread overflow occurs upstream of Easton Boulevard

Section 3: Operational Focus Areas

1.Situational Status/Situational Analysis

- A.Incident Information
- B.Information Analysis
 - 1)Current incident status
 - 2)Incident potential information (12, 24, 48, and 72 hour projections)
- C.Intelligence and investigation
- D.Public information
 - 1)Current
 - 2)Potential

2.Determine Priority of Incident(s)

- A.Life safety
- B.Property threats
- C.High damage potential
- D.Incident complexity
- E.Environmental impact
- F.Economic impact

3.Acquire/Allocate Critical Resources

- A.Critical resources acquired internally first
- B.As incidents expand, resources acquired externally

4.Crisis Information Management (What is happening, Government Actions Being Taken, Public Actions Requested)

- A.Consolidating and packaging incident information
- B.Internal dissemination of information
- C.External dissemination of information
- D.Monitor media reporting for accuracy

5.Develop/Advise/Support Policy-Level Decisions

- A.Coordinate, support, and assist with policy-level decisions

6.Coordinate with Elected/Appointed Officials

- A.Keep elected and EM Commission officials informed
- B.Elected officials must clearly understand their role and ours

7.Coordination with Municipal, County, State, Federal, Private and Non-Governmental Components

- A.Communications between system components/disciplines
- B.Communications with partners (Private, Government, NGO)

Section 4: Activation and Staffing Level

Current activation level is a of 3 – “Partial” and expected to remain at that level.

The Comprehensive Emergency Plan can be partially or fully implemented in the context of a threat, anticipation of an incident or planned event, or in response to an incident requiring a coordinated response. Implementation of the plan’s coordination mechanisms is flexible and scalable. The following table is a general description of the escalation potential and can be used to quickly index response activities to an activation level.

Activation Level	Description of Activities	
5	Monitoring	Existing resources and capabilities are not necessarily coordinated outside of their own jurisdiction or outside of their immediate discipline. Normal administrative, planning, training, and exercise activities are scheduled and carried out.
4	Limited	Request of limited coordination by available EMA staff personnel for a single jurisdiction or single discipline. This is done from the incident scene, command post, or agency administrative offices. Select procedures and portions of the CEP are utilized as needed.
3	Partial	Activities include the activation of select ESFs primary and support entities are notified to support incident activities and staff the EOC. EOC may be activated but 24-hour staffing is unlikely. CEP Basic plan concepts and select ESFs are implemented.
2	Full	In a full-scale activation, all ESF primary and support entities are notified and the EOC is fully staffed for 24-hour coverage. Activities include the coordination of local resources with the potential of integrating state and federal resources into local response priorities.
1	Advanced	An advanced level means that local capabilities are largely depleted or inadequate to respond to the wide geographic nature or complexity of the incident. Activities include coordinating with state and federal entities and their resources.

Section 5: Proclamations and Declarations

Local Emergency Proclamation:

Please fill in the current local proclamations

Governor’s Proclamation:

Please fill in the current state proclamations

Presidential Disaster Declaration:

Please fill in the current federal declarations

Section 6: Damage Assessment

Residential Damages

	Affected	Minor	Major	Destroyed
Single Family (for this Operational Period)	0	0	0	0

Single Family (for this Incident)	0	0	0	0
Mobile Homes (for this Operational Period)	0	0	0	0
Mobile Homes (for this Incident)	0	0	0	0
Apartments (for this Operational Period)	0	0	0	0
Apartments (for this Incident)	0	0	0	0
Total (for this Operational Period)	0	0	0	0
Total (for this Incident)	0	0	0	0

Comments:

ESF #01: Transportation

Section 7: Emergency Support Function (ESF) Status

Transportation impacts due to flooding of streets, underpasses, low lying areas, or storm drains.

Surface Road Closures:

NW 86th Street between

Swanson Blvd and University Avenue. Swanson Blvd between NW 94th Street and Harbach Blvd. Lincoln Ave at 93rd Court.

Flood control gate at 63rd and Grand is being closed as of 0730.

Please let us know of any additional road closures. You can also refer to the Diversion Route Plan for suggested routes. Contact Polk County Emergency Management for more information.

Airports:

Operating normally.

Rail:

Operating normally.

ESF #02: Communications

Section 7: Emergency Support Function (ESF) Status

Multiple calls received by the 911 Centers on flooded basements.

City of Ankeny's internal phone system is partially down. Unsure if it is related to the storm or not.

CodeRED messages were sent out to Clive and Windsor Heights residents alerting them of the Flood Warning for Walnut Creek.

CodeRED Emergency Notification System will be used for alerting citizens of evacuations should they become necessary. Any activation for flood related notifications needs to be coordinated with the Polk County EOC. Please encourage your citizens to sign up for CodeRED. To learn more please visit our website: <http://www.polkcountyiowa.gov/emergency-management/emergencypreparedness/coderedautomatednotificationsystem/>

MICRN briefings and web based briefings occurring with the National Weather Service on a regular basis.

Communicating with metro businesses via radio system as necessary.

ESF #03: Public Works and Engineering

Section 7: Emergency Support Function (ESF) Status

Flood control gate at 63rd and Grand is being closed as of 0730.

Des Moines Water Works is in the process of closing gates and carrying out other activities to protect their areas. The water works drinking production area is not expected to be impacted.

The Damage Assessment and Debris Management Plan is available in DLAN.

Please report damage costs to Franny.Medeiros@polkcountyiowa.gov

ESF #04: Firefighting

Section 7: Emergency Support Function (ESF) Status

Due to the closure at 63rd and Grand, Des Moines Fire Department will be adjusting their dispatch areas to cater to road availability.

ESF #05: Emergency Management

Section 7: Emergency Support Function (ESF) Status

EOC activation level currently at 3 partial. Conducted multijurisdictional briefing.

Publishing flash reports and situation reports as needed, as well as Facebook/Twitter updates on a regular basis. Actively monitoring weather forecasts and river gauges.

ESF #06: Mass Care, Housing, Human Services

Section 7: Emergency Support Function (ESF) Status

An apartment building complex at 75th Street and University Blvd was evacuated near North Walnut Creek. Individuals were sent to the public safety building in Clive on 85th and Harbach. They are now back in their homes.

The Mass Care & Sheltering Plan is available in DLAN. Jurisdictions are encouraged to review the plan.

ESF #07: Resource Support

Section 7: Emergency Support Function (ESF) Status

Mutual aid agreements and Iowa Mutual Aid Compact (IMAC) available.
Information sharing with Safeguard Iowa Partnership.

ESF #08: Public Health and Medical Services

Section 7: Emergency Support Function (ESF) Status

Normal Operations.

ESF #09: Search and Rescue

Section 7: Emergency Support Function (ESF) Status

The City of Clive requested a boat from the City of Ankeny. It is staged in Clive in case the resource is needed.

Several boat rescues have occurred in Des Moines and West Des Moines. One that occurred in Des Moines was a handicapped person who drove into deep water. Two other people were rescued from a car at Harriet Boat Ramp.

The Search and Rescue and Evacuation Plan is available in DLAN. Jurisdictions are encouraged to review the plan.

ESF #10: Hazardous Materials

Section 7: Emergency Support Function (ESF) Status

Normal Operations.

ESF #11: Agriculture, Natural Resources, and Pets

Section 7: Emergency Support Function (ESF) Status

Animal Rescue League of Iowa is prepared to support the sheltering plan.
Ensured operational readiness of the Emergency Animal Shelter Support trailer.

ESF #12: Energy

Section 7: Emergency Support Function (ESF) Status

Mid American states that there are 286 homes are without power in the City of Des Moines.

ESF #13: Law Enforcement and Security

Section 7: Emergency Support Function (ESF) Status

Normal Operations.

ESF #14: Mitigation and Recovery

Section 7: Emergency Support Function (ESF) Status

ESF #15: Public Information

Section 7: Emergency Support Function (ESF) Status

Joint Information Center protocols established.

Press conferences, Flash Reports, Situation Reports, Facebook and Twitter updates being used for public information as needed.

Section 8: Requests for Additional Resources

Form	Status	Detail
Local Mutual Aid	Unknown None or Requested	
IMAC	Unknown None or Requested	
State Resources	Unknown None or Requested	
Federal Resources	Unknown None or Requested	
Private Sector Provision	Unknown None or Requested	
Other	Unknown None or Requested	

Section 9: Other Relevant Information