Situation Report

Incident Name:

Heavy rainfall June 2015

Reporting Period:

06/26/2015 04:01 - 06/26/2015 16:00

Situation Report Number:

4

EOC Activation Level:

Level 3

POLK COUNTY
EMERGENCY
MANAGEMENT

For Additional Information Contact:

A.J. Mumm, Director
Polk County EMA
515-286-2107
amumm@co.polk.ia.us

Proudly serving the communities of:

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

Section 1: Situation Description

Flooding continues around the county causing temporary road closures.
The Raccoon River at Fleur is anticipated to crest at 21.9 feet on 6/26 in the afternoon.
The Raccoon River at Hwy 28 or 63rd St it is anticipated to crest at 40.5 on 6/26 in the afternoon. There is no longer a threat of I-35 closing.
The Des Moines river at SE 6th is anticipated to crest 29.5 on 6/26 in the afternoon.

Flooding continues around the county causing temporary road closures.
The Raccoon River at Fleur is anticipated to crest at 24.1 feet on 6/26 in the afternoon.
The Raccoon River at Hwy 28 or 63rd St it is anticipated to crest at 42.5 on 6/26 in the afternoon with the potential of I-35 closing just south of the Grand Ave exit.
The Des Moines river at SE 6th is anticipated to crest 30.7 on 6/26 in the afternoon.
86th st and 63rd St in Clive are now open.
The USACE is reducing outflow from saylorville reservoir to balance flows with the raccoon, this will increase pool elevation to a projected 850 feet on July 1st, which will utilize 17% of it's utilized storage.

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.

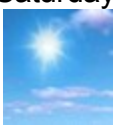
Walnut Creek will crest at 80/35 at 13.5 ft and at 17.8 ft at 63rd Street.

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.

Five Day Forecast: Iowa - Des Moines (KDVN)

Friday	Saturday	Sunday	Monday	Tuesday
				
Scattered Rain Showers	Clear	Likely Thunderstorms	Slight Chance of Thunderstorms	Slight Chance of Thunderstorms
74 F / 23 C	79 F / 26 C	79 F / 26 C	79 F / 26 C	82 F / 27 C
59 F / 15 C	60 F / 15 C	63 F / 17 C	64 F / 17 C	65 F / 18 C

Today
A 40 percent chance of showers and thunderstorms. Mostly cloudy, with a high near 77. North northeast wind 9 to 11 mph. New rainfall amounts between a tenth and quarter of an inch, except higher amounts possible in thunderstorms.

Tonight
A 20 percent chance of showers and thunderstorms before 9pm. Partly cloudy, with a low around 60. North northeast wind 5 to 9 mph becoming light north.

Saturday
Mostly sunny, with a high near 79. North wind 3 to 8 mph.

Saturday Night
A 20 percent chance of showers and thunderstorms after 1am. Partly cloudy, with a low around 64. Northwest wind around 6 mph becoming light and variable.

Sunday
Showers and thunderstorms likely, mainly before 1pm. Partly sunny, with a high near 80. Southwest wind 7 to 13 mph becoming northwest in the afternoon. Chance of precipitation is 60%. New rainfall amounts between a quarter and half of an inch possible.

Sunday Night
Partly cloudy, with a low around 63.

Monday
Mostly sunny, with a high near 81.

Monday Night
Mostly clear, with a low around 64.

Tuesday
Mostly sunny, with a high near 83.

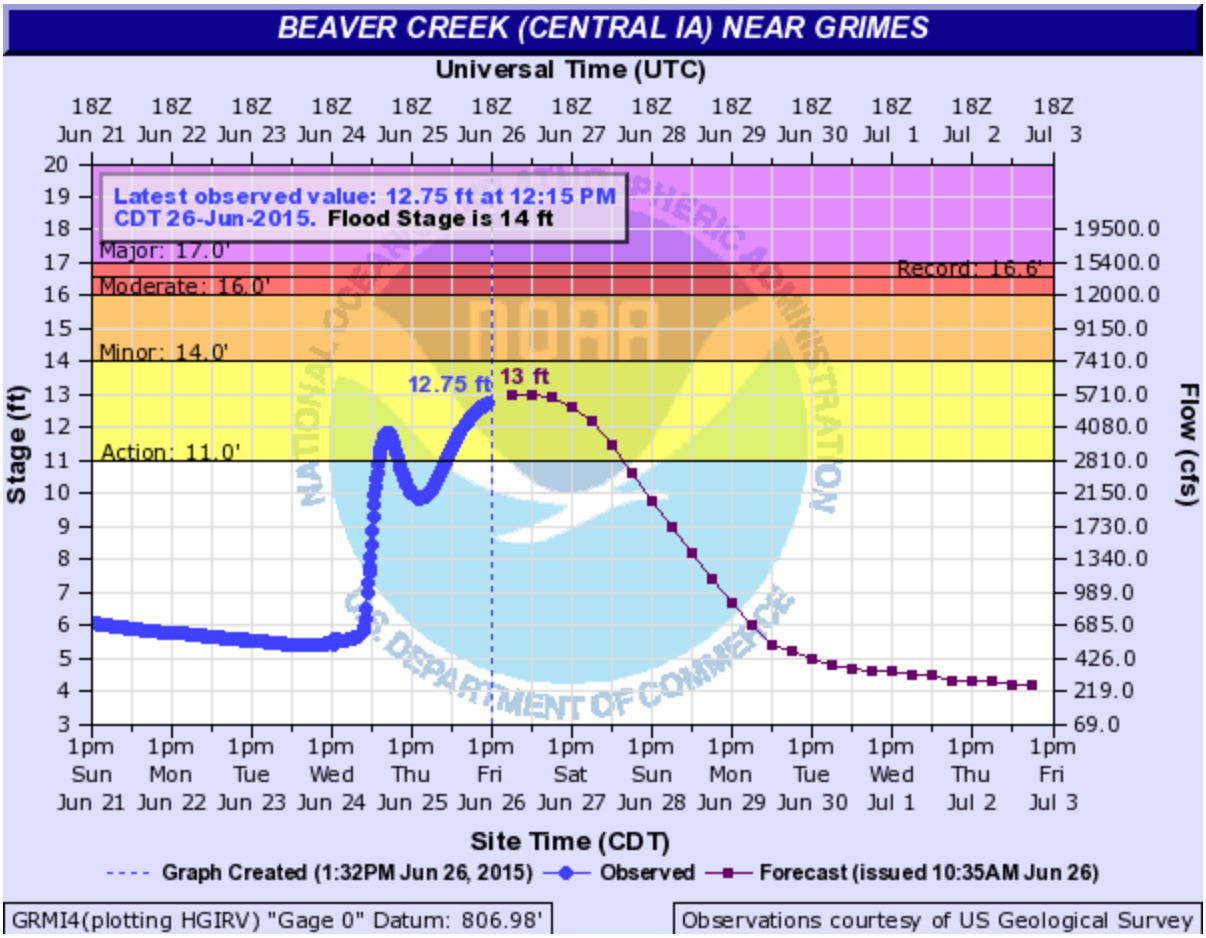
Tuesday Night
Partly cloudy, with a low around 65.

Wednesday
Partly sunny, with a high near 81.

Wednesday Night
Partly cloudy, with a low around 63.

Thursday
Mostly sunny, with a high near 79.

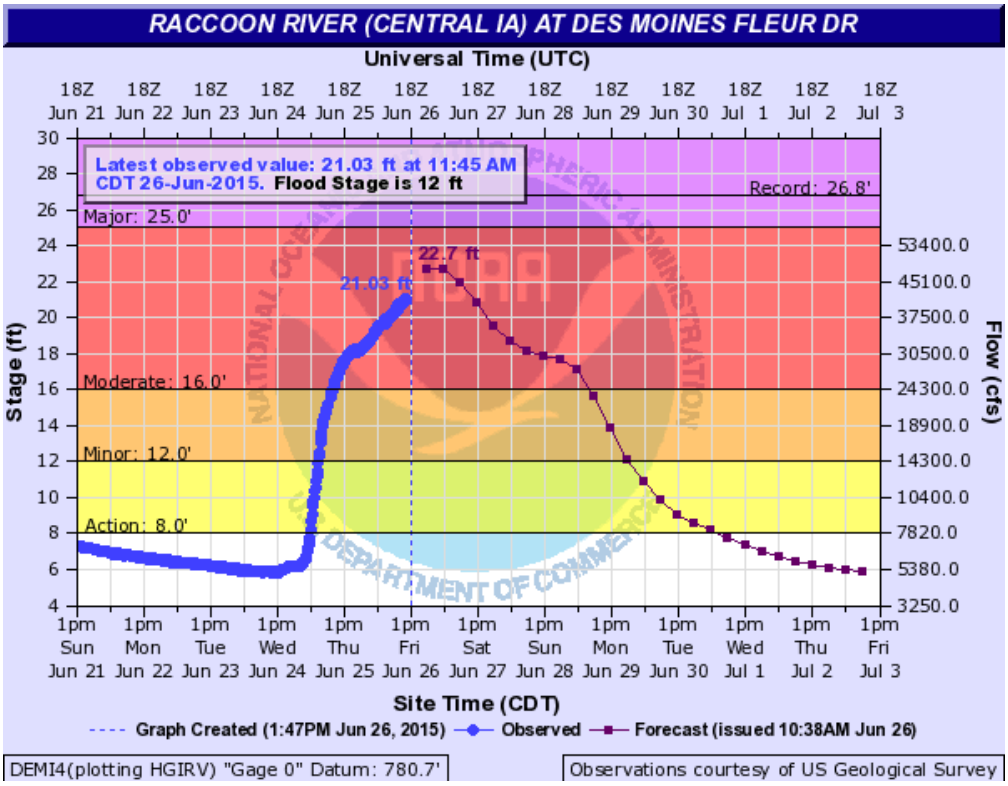
Beaver Creek near Grimes



Impacts:

- 23 Water reaches the road surface of the Northwest 70th Avenue bridge.
- 22.4 Water affects the low part of the west approach to the Northwest 70th Avenue bridge.
- 18.5 Northwest 62nd Avenue in Johnston floods.
- 18 Water reaches the bottom of the Northwest 70th Avenue bridge deck.
- 16 Water affects the east approach of the Northwest 70th Avenue bridge.
- 14.5 Northwest 62nd Avenue in Johnston floods.
- 14 Highway R22 floods south of Iowa 141. Highway F31 west of Granger floods.
- 12 The west river bank overflows just south of the Northwest 70th Avenue bridge.

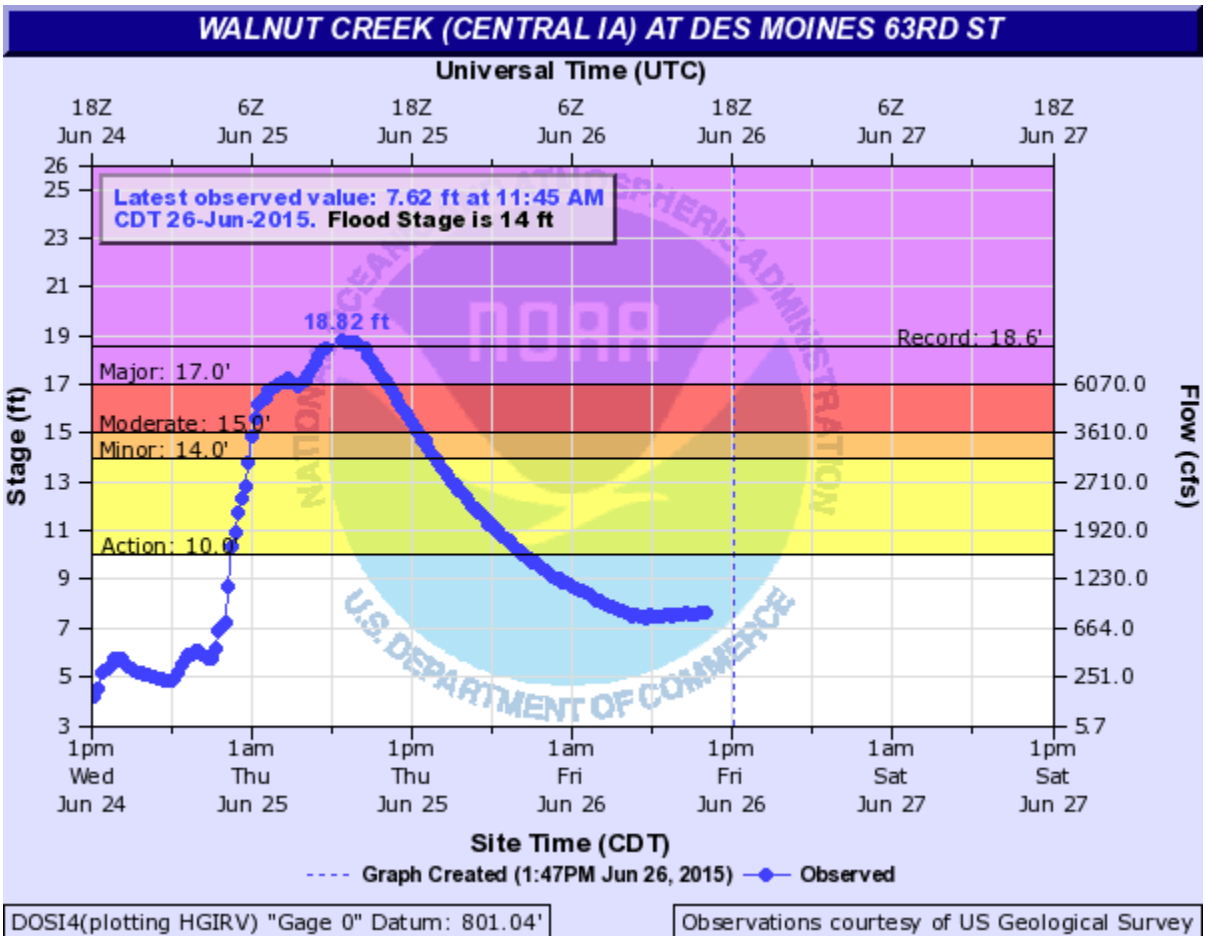
Raccoon River at Des Moines Fleur Dr.



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.

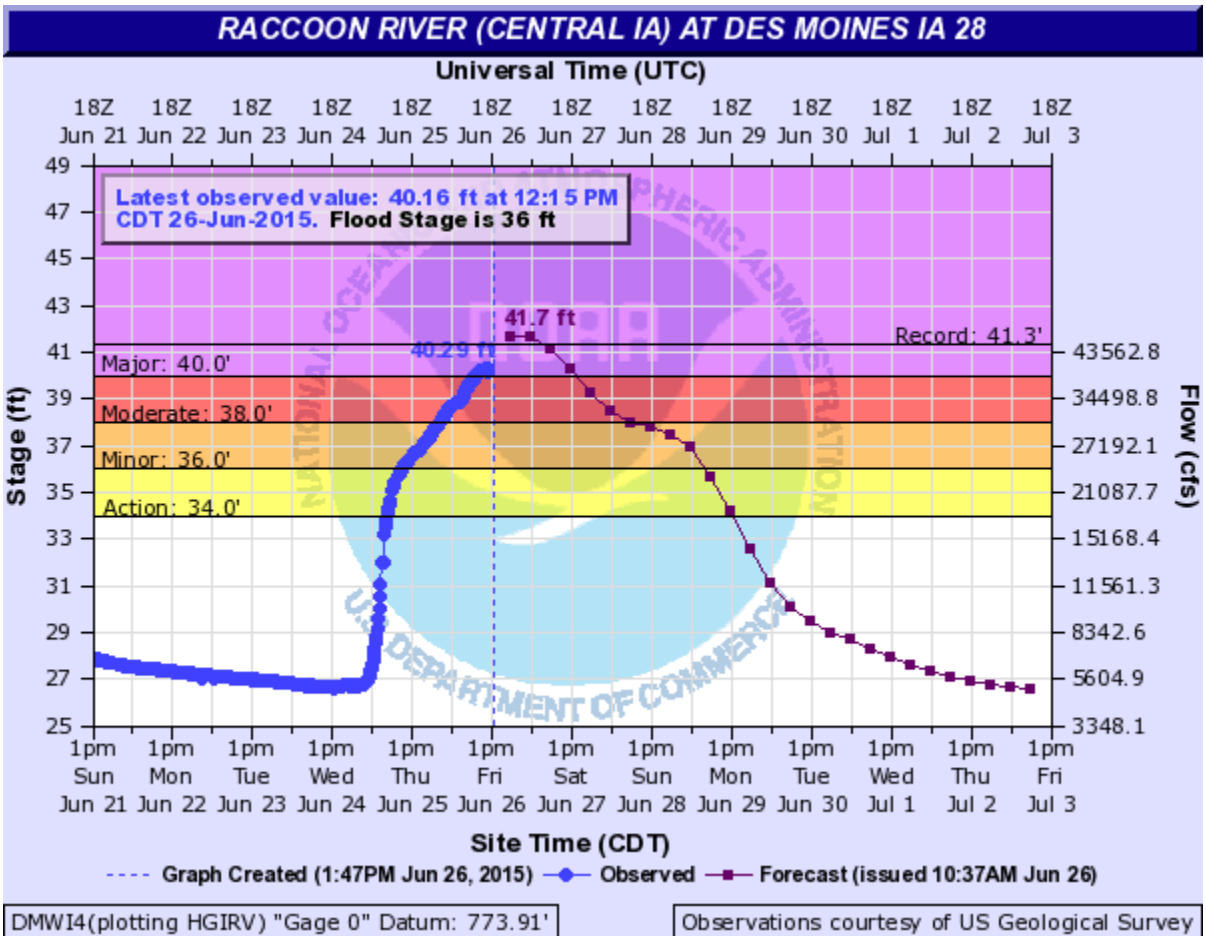
Walnut Creek at Des Moines 63rd St.



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. Businesses just east of the railroad tracks on Grand Ave affected.
- 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.

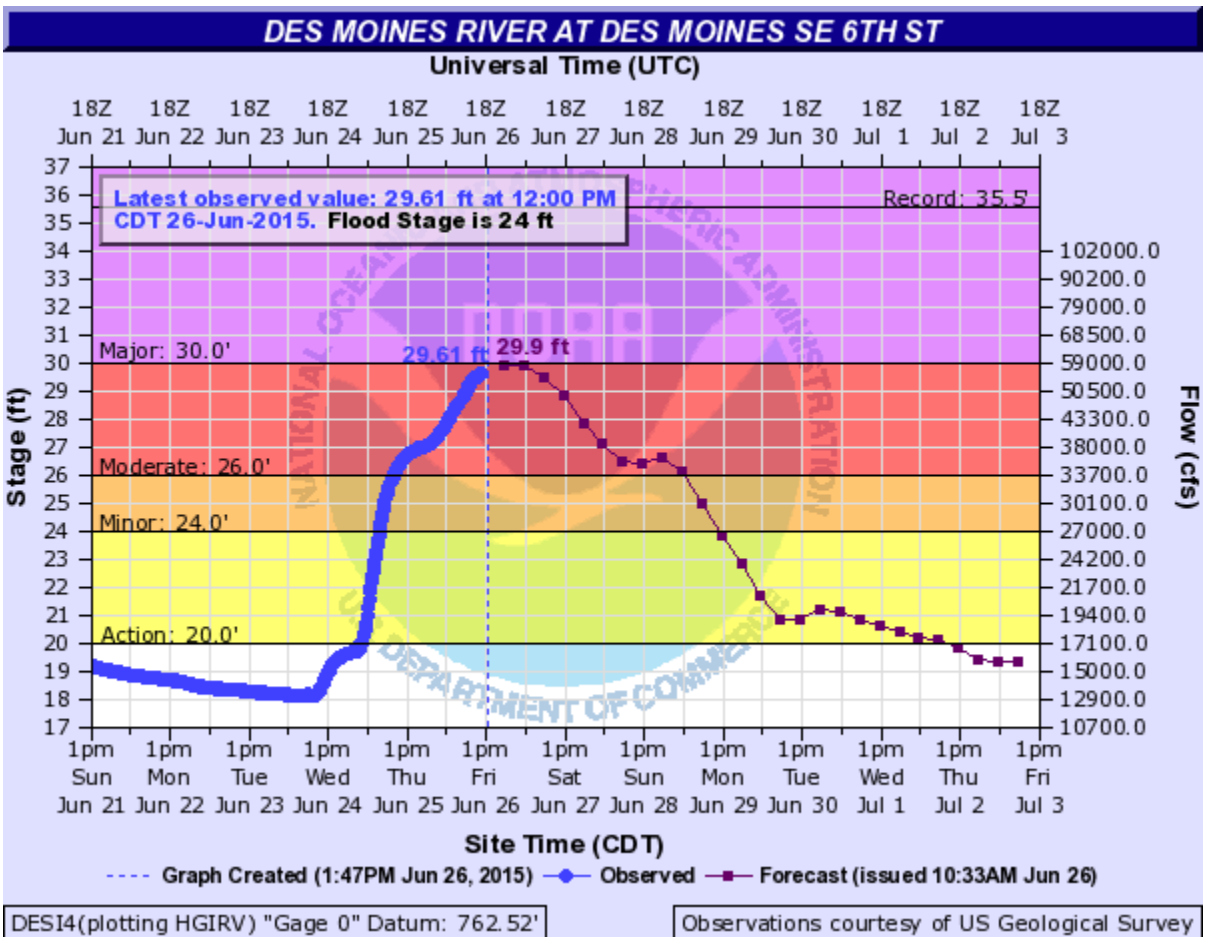
Raccoon River at Des Moines IA 28



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.

Des Moines River at Des Moines SE 6th St.



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.

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

Additional Surface Road Closures:
South Pleasant Hill Blvd from Vandalia Road to Parkridge Ave.
Hartford SE 30 CT to Cownie Soccer Complex.
E Porter at North River.
Bancroft SW 9th to Thomas Beck.

The following Des Moines Trails have opened: Gay Lea Wilson, and the Inter-Urban Trail

Surface Road Openings:

All roads in Clive are now open.
Hwy 28 is open.
The flood control gates at 63rd and Grand have now been lifted. The road is now open.

Additional Surface Road Closures:
Raccoon River Rd from Grand to R22.
Closures in the City of Des Moines remain the same.

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

Surface Road Closures:
Fleur Drive- Bell to ML King
George Flagg
George Flagg Parkway from SW 23rd to Park Avenue
SW 30th Street from George Flagg Parkway to Bell Avenue
Grand Avenue – 60th St to 63rd St
62nd St – North of Grand Ave
61st St – North of Grand Ave
Walnut Hill Drive – West of 61st St
North Valley Drive @ Walnut Creek
E 37th St – Easton Blvd to Arthur Ave
Williams at Four Mile Creek
Intersection of E 39th St and Mattern Ave

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.

Dart Bus has rerouted the following: Route # 11 (West Des Moines, Valley Junction), and Route # 93 Express, the supervisors in the area will notify riders of the changes and the goal is to have the route posted on the web before the evening commute.
City of Des Moines Trail Closures:
Meredith Trail- Gray's Lake entrance to SW 16th,Bill Riley Trail, Walnut Creek Trail, Des Moines River Trail, Neal Smith Trail-at Birdland Dr., Inter-Urban Trail at Euclid, Principal Riverwalk Trail.

City of Johnston Bike Trail Closures:
Augustine Trail closed from NW 62nd to Augustine Ct. including the tunnel under 62nd St.
Beaver Creek Natural Resource Trail closed from Merle Hay Rd to NW 62nd St.
Foxboro Trail
Lew Clarkson Train
All trails are gated or barricaded with closed signage. The trails will remain closed until water levels drop and the trail surface can be cleared of mud.

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: https://www.polkcountyiowa.gov/emergency-management/emergency-preparedness/codered-automated-notification-system/

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

Personal belongings that have been in contact with flood waters can be placed with your normal trash and is accepted at the Metro Park East Landfill. If the soil/sand/mud is not contaminated, no special waste permit would be needed. Flood waters would not make it "contaminated." But things like petroleum, would make it contaminated. If anyone has any questions, they can call Deb Danley at 515-333-4475 and describe the material to her

For sandbag recycling you can contact J Petticord. Their 24-hour number is 515-263-8900.

Flood control gate at 63rd and Grand is now open.

The City of West Des Moines has started levee monitoring.

The City of Des Moines has started levee monitoring with 4 crews and 12 hour shifts.

Private Businesses requested sand bags, request denied however a list of locations was given so they may call to assist them with purchase. Sand bags are only available for public property and critical infrastructure.

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

Auto-aid agreement reached between Des Moines and West Des Moines for response to the area between 56th and 63rd streets north of the Raccoon River and South of Walnut Creek.

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

211 will be assisting with the referral of individual assistance.

Local Emergency Management Agencies to the south of Polk County have been notified of road closures and suggested routes for EMS to utilize for inbound transports to Des Moines area hospitals.

The Red Cross is assisting with temporary housing due to flooding for 5 people in a duplex at 1275 NW 75th St in Clive.

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

United Way is coordinating 25 volunteers for sand bagging for West Des Moines, no additional volunteers are needed at this time.

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

If you have had an injury and your tetanus has been given greater than 7 years ago you should repeat. If you have not had an injury your tetanus should be effective for 10 years.

The Iowa Department of Public Health has a web page dedicated to flood precautions and preparedness. The link: http://www.idph.state.ia.us/EmergencyResponse/Flooding.aspx

ESF #09: Search and Rescue

Section 7: Emergency Support Function (ESF) Status

The City of Clive evacuated 10 individuals by boat. (plus 3 dogs evacuated by boat)

1 dependent adult evacuated by ambulance cot and transported to other relatives home in Clive.

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 occured 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

Crivaro Park in Des Moines has reopened.

City of Des Moines Park closures effective immediately: Grays Lake, Pete Crivaro Park, Simon Estes Amphitheater.

City of West Des Moines Park Closure effective immediately: Walnut Woods Camp Ground.

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 27 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

Normal Operations.

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