



## **lowa Flood Information System**

**Real-time flood information for lowans** 

September 16, 2021

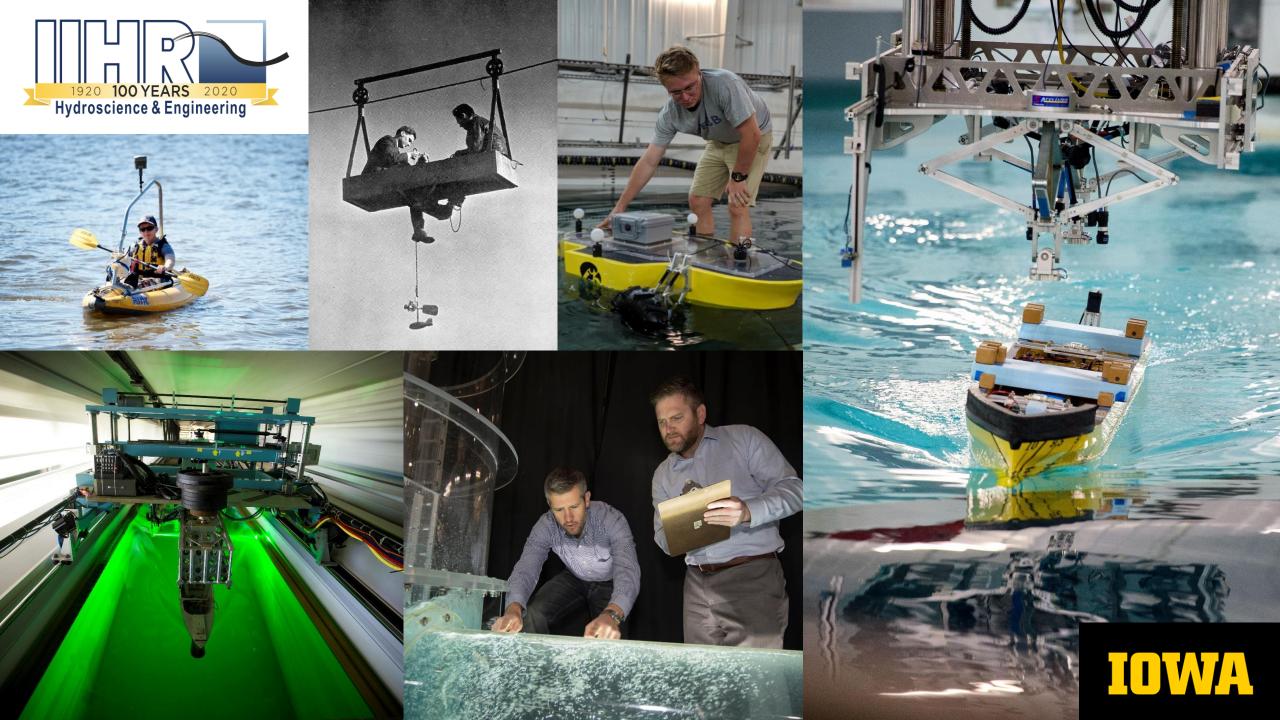


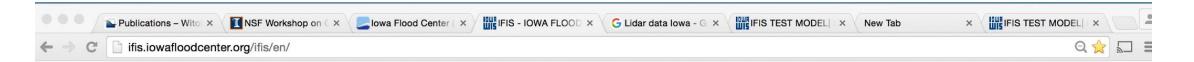


## **DIVISION VI**

## Sec. 15. NEW SECTION. 466C.1 IOWA FLOOD CENTER

- 1. The state board of regents shall establish and maintain in Iowa City as a part of the state university of Iowa an Iowa Flood Center. In conducting the activities of this chapter, the center shall work cooperatively with the department of natural resources, the department of agriculture and land stewardship, the water resources coordinating council, and other state and federal agencies.
- 2. The lowa flood center shall have all of the following purposes:
  - a. To develop hydrologic models for physically based flood frequency estimation and real-time forecasting of floods, including hydraulic models of flood plain inundation mapping.
  - b. To establish community-based programs to improve flood monitoring and prediction along lowa's major waterways and to support ongoing flood research.
  - c. To share resources and expertise of the lowa flood center.
  - d. To assist in the development of a workforce in the state, knowledgeable regarding flood research, prediction, and mitigation strategies.





## IOWA FLOOD INFORMATION SYSTEM

The lowa Flood Information System (IFIS) is a one-stop web-platform to access community-based flood conditions, forecasts, visualizations, inundation maps and flood-related data, information, and applications





Video Tutorial



**Twitter Flood Alerts** 











ABOUT IFIS



IFIS FEATURES



APPS

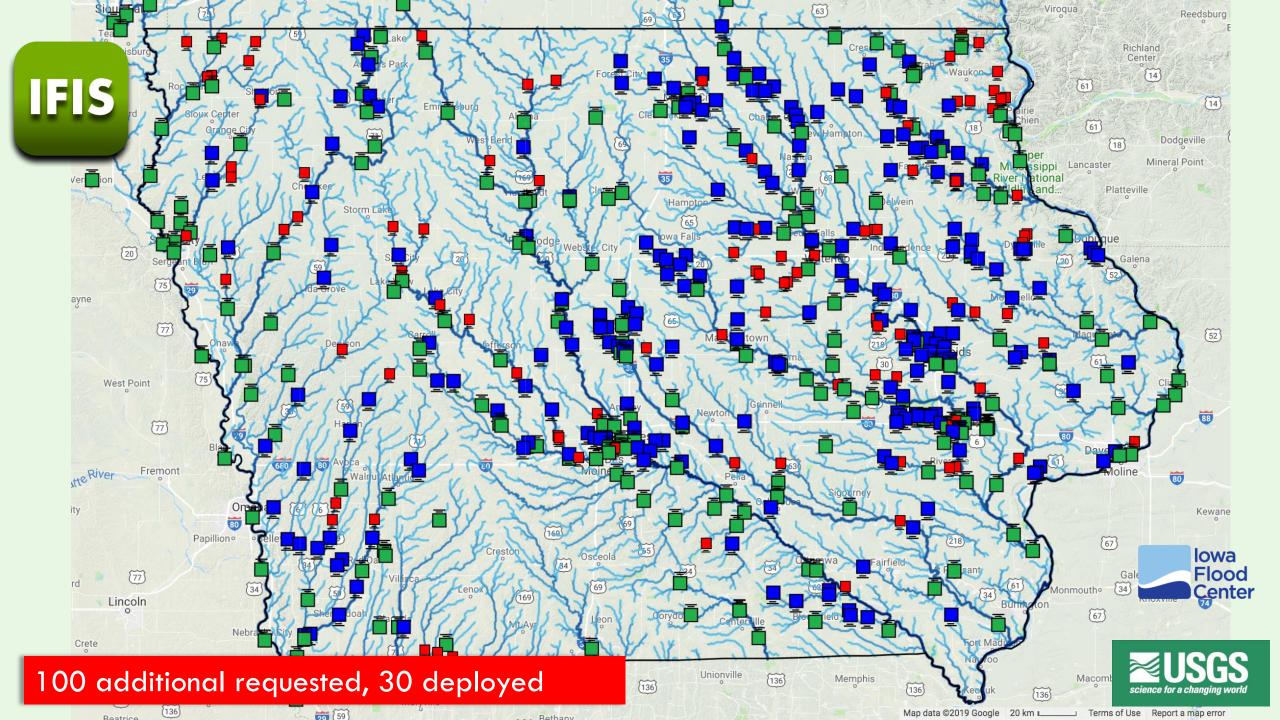
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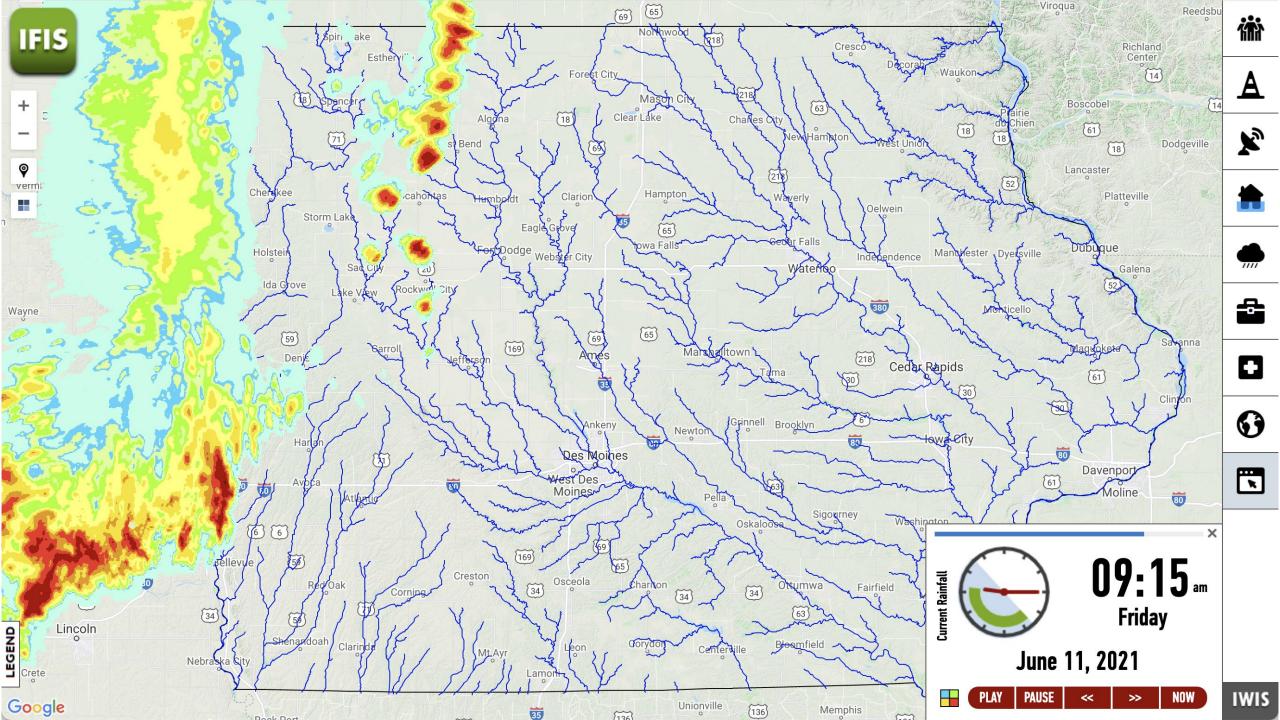
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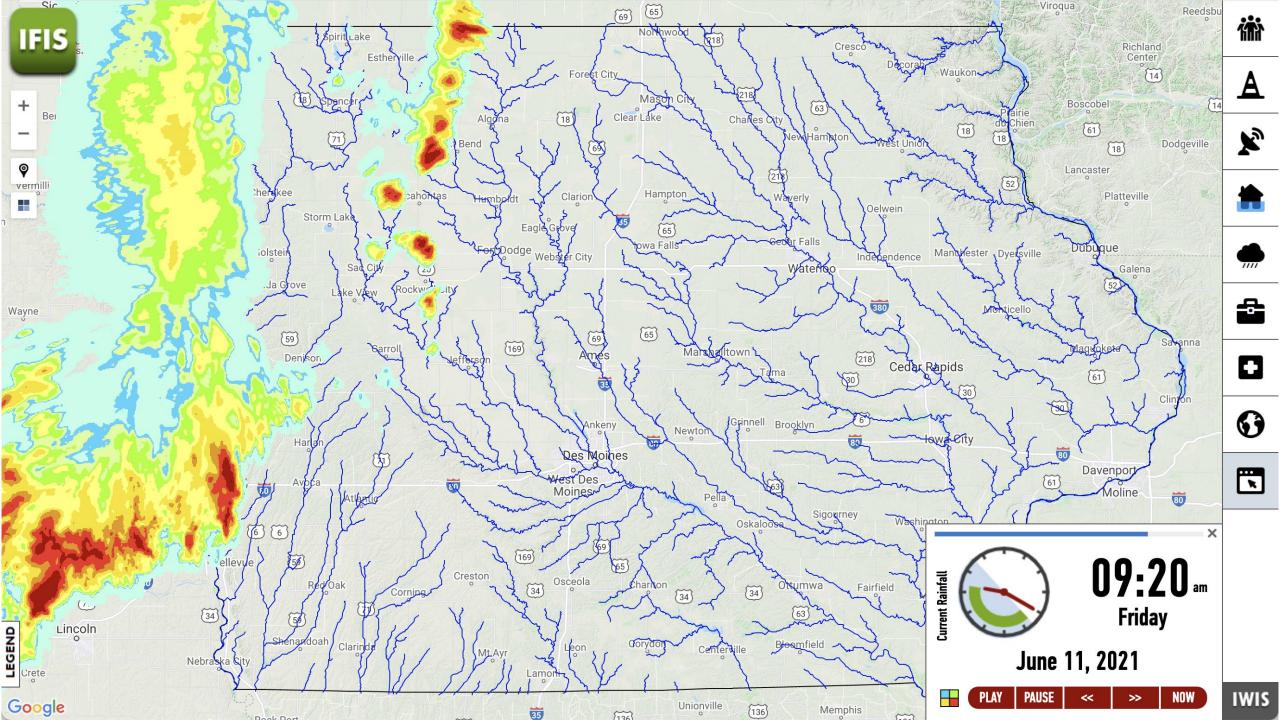
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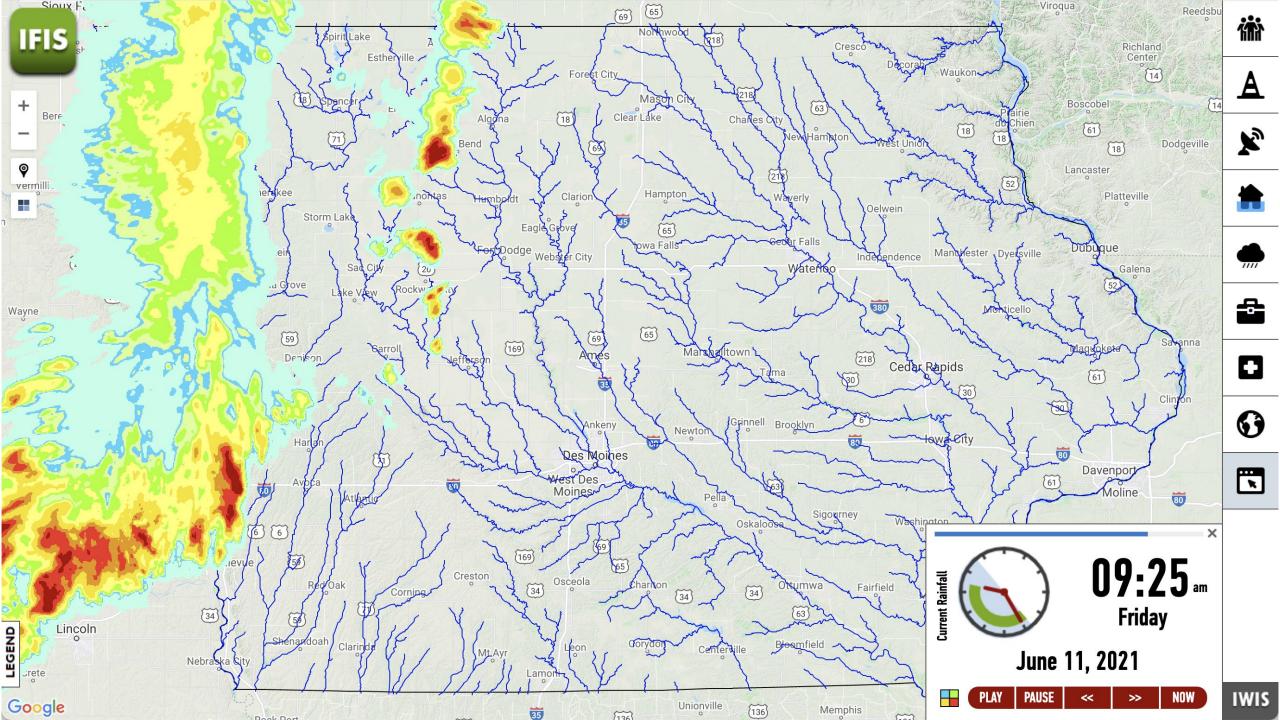
CONTACT US

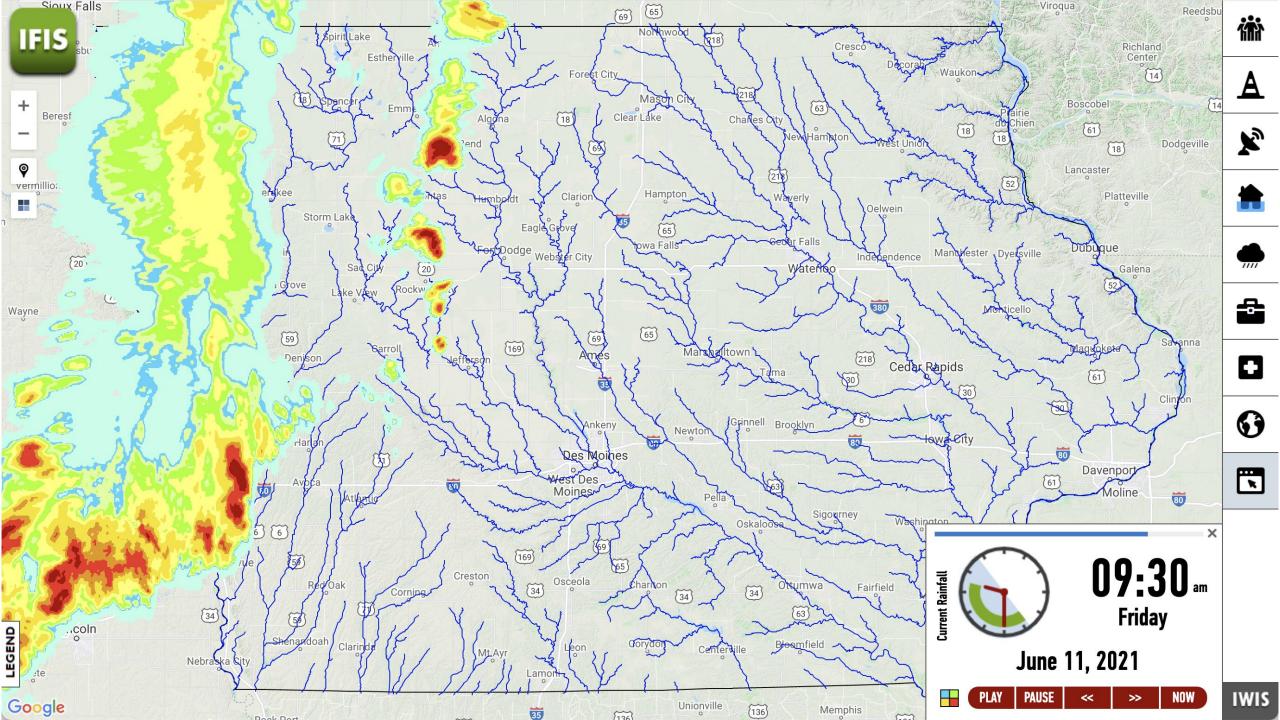
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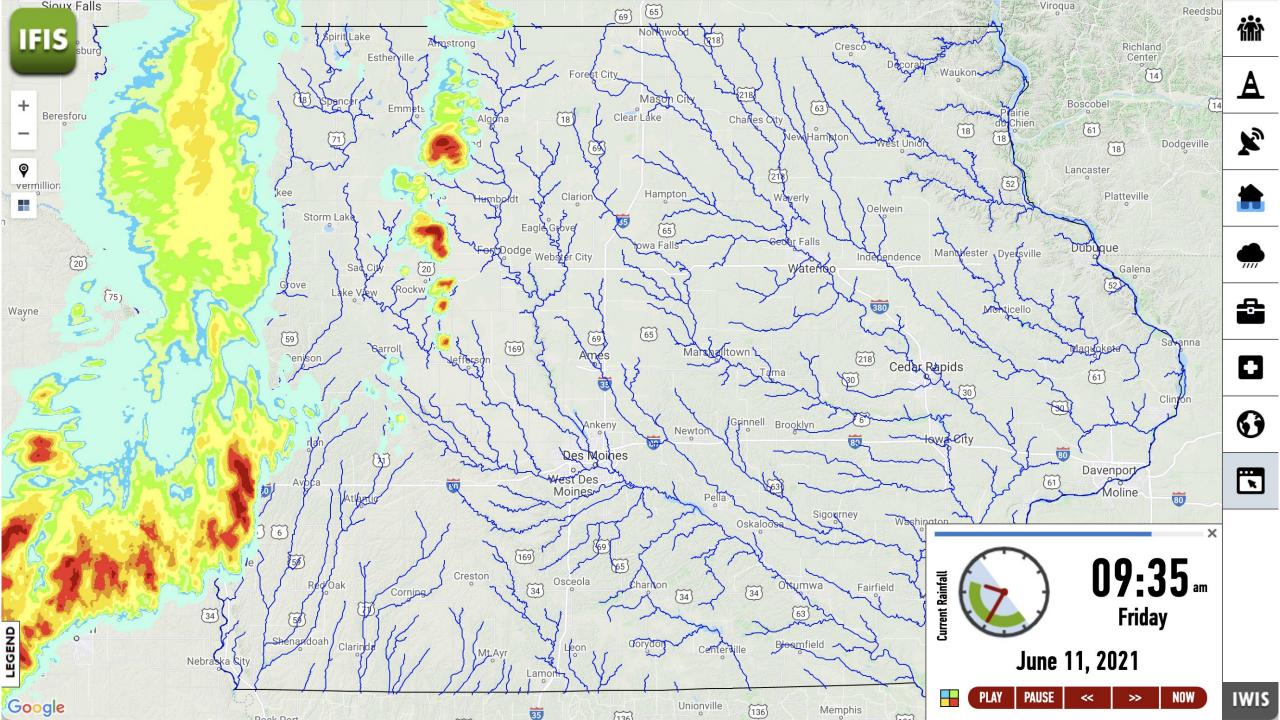


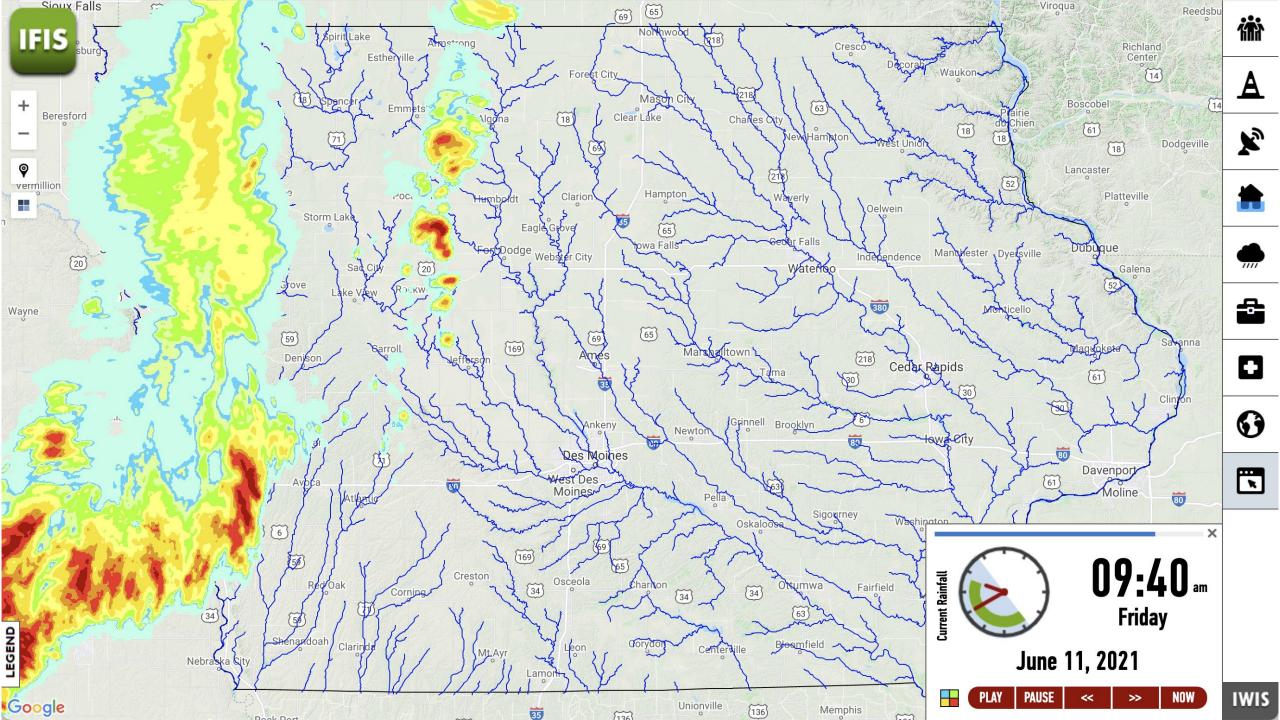


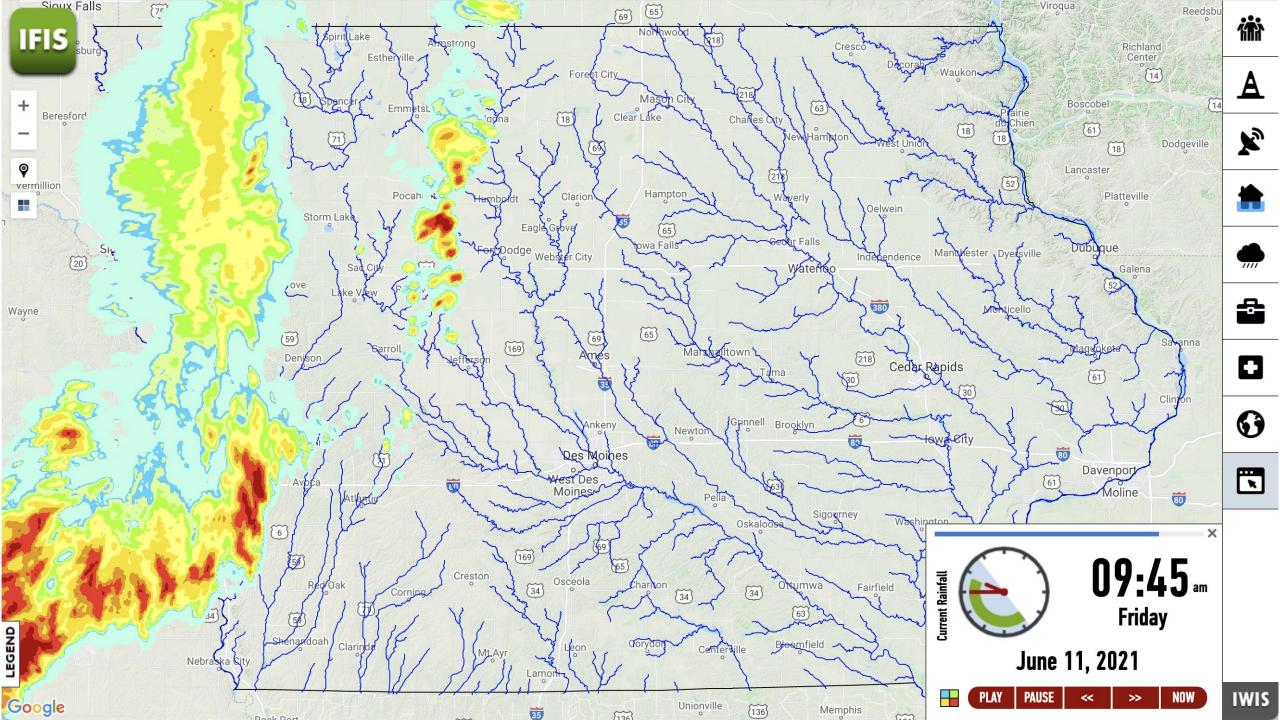


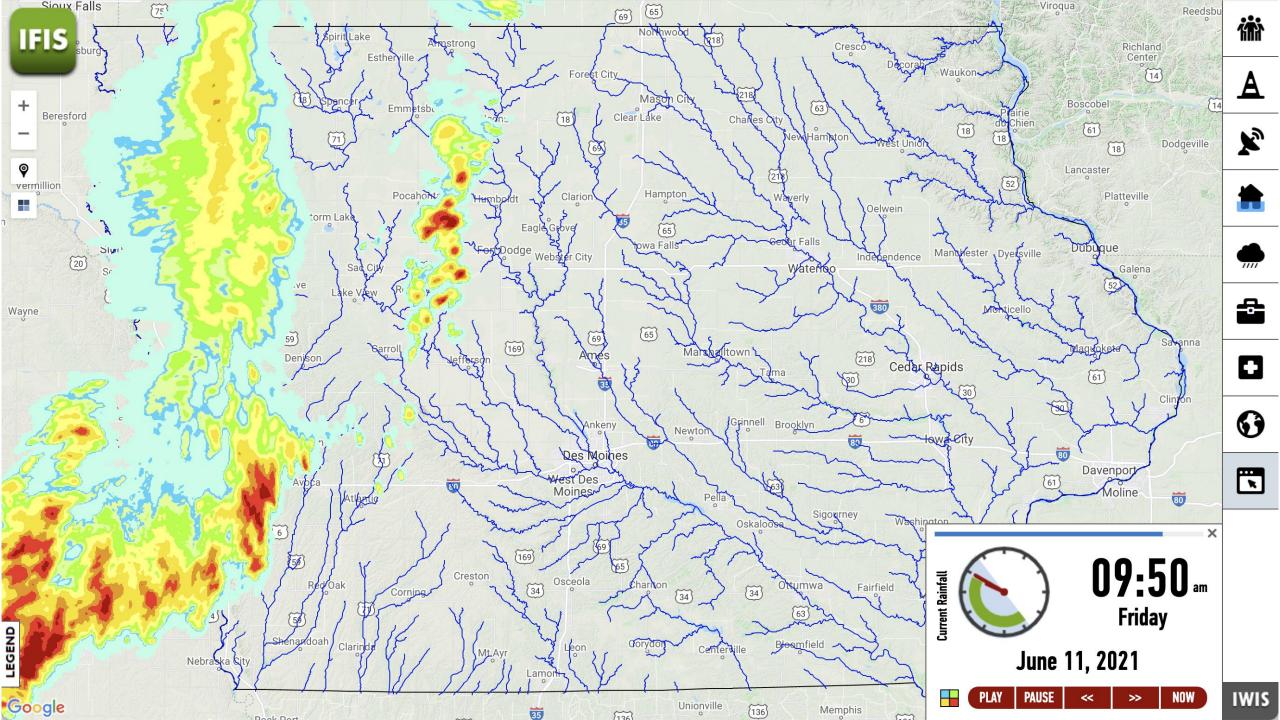


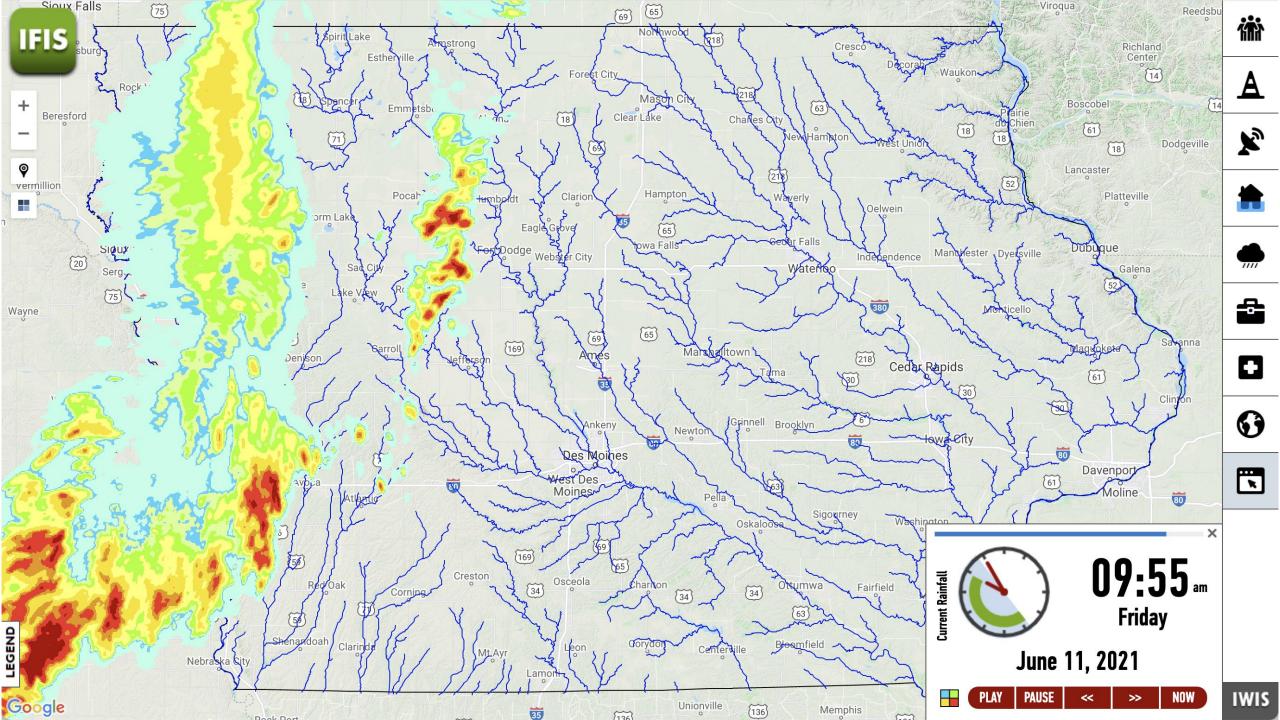


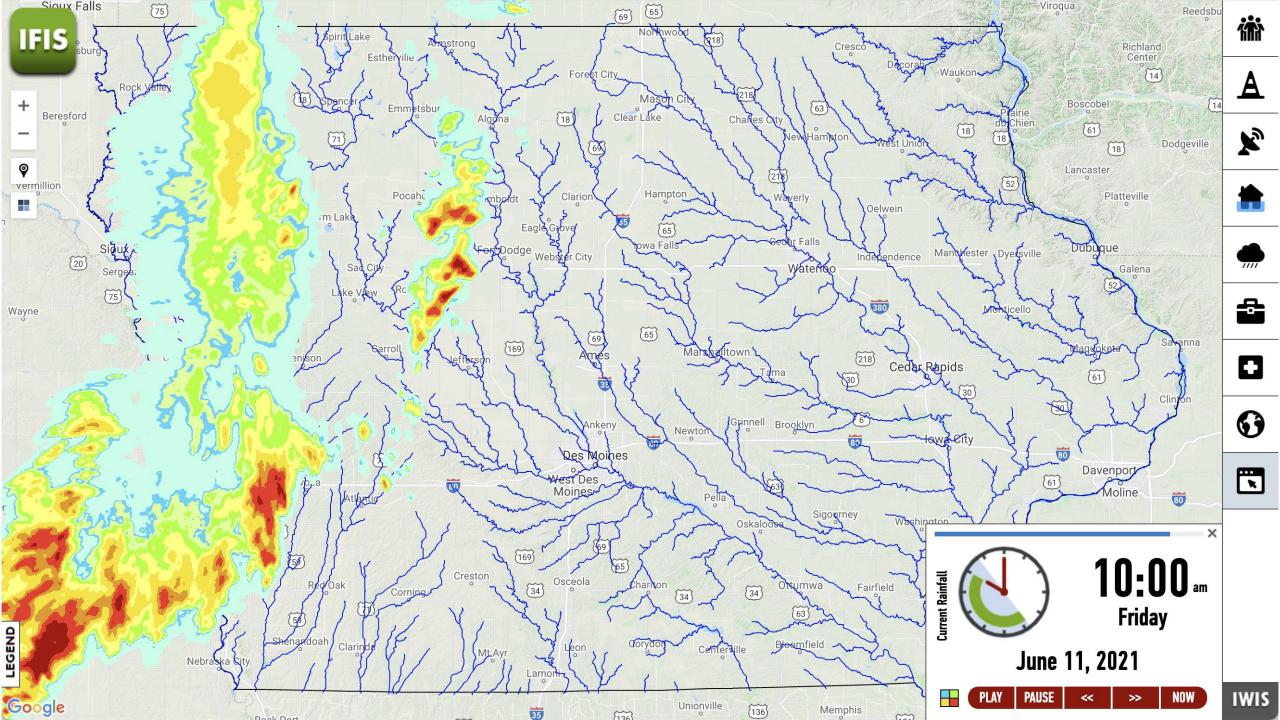


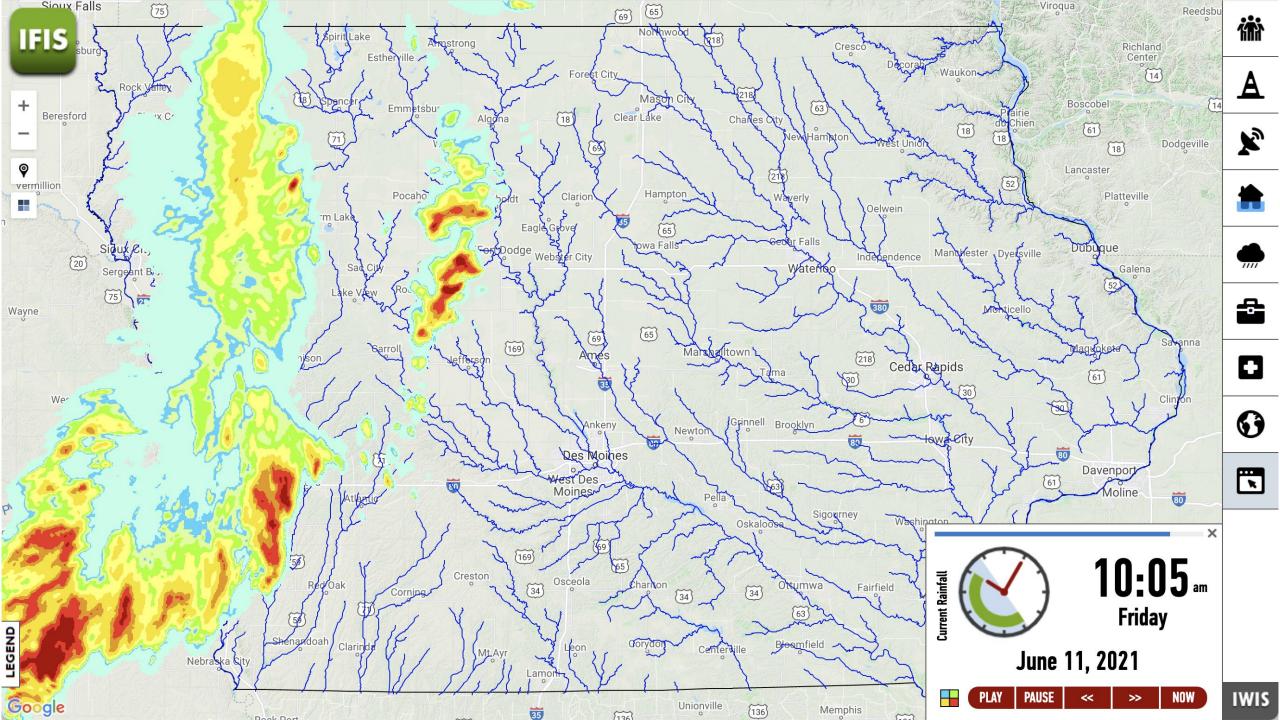


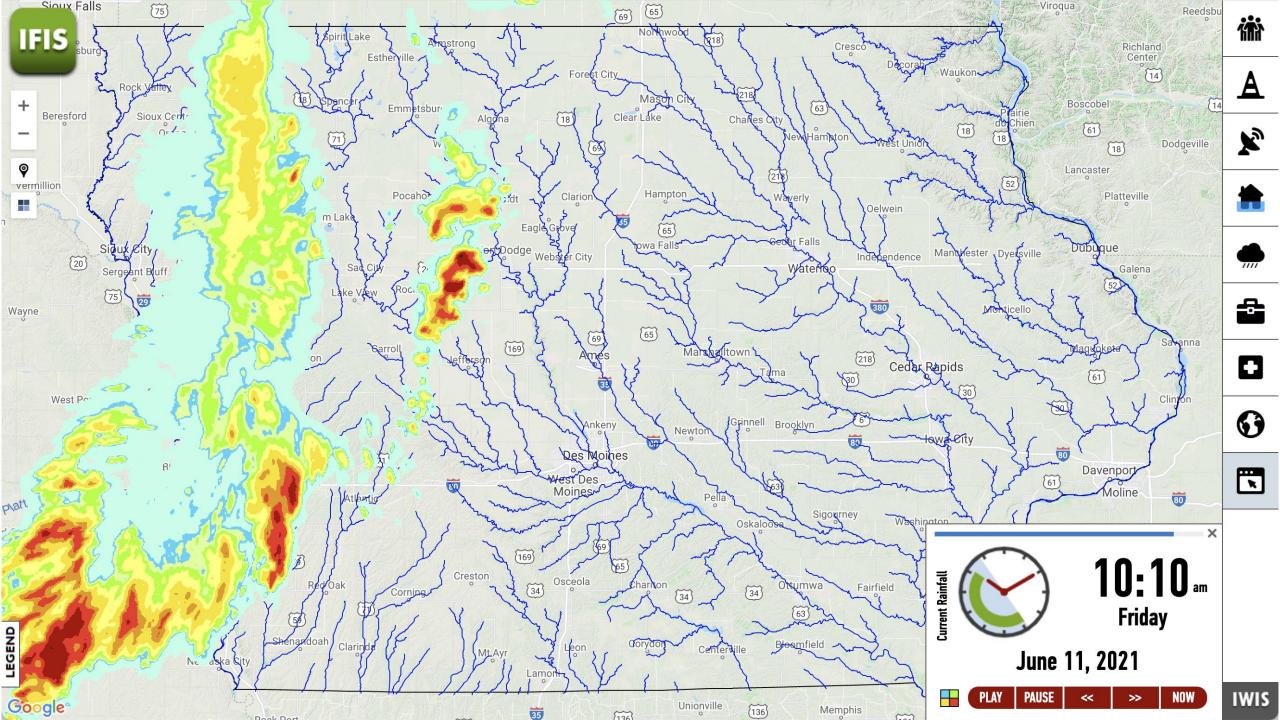


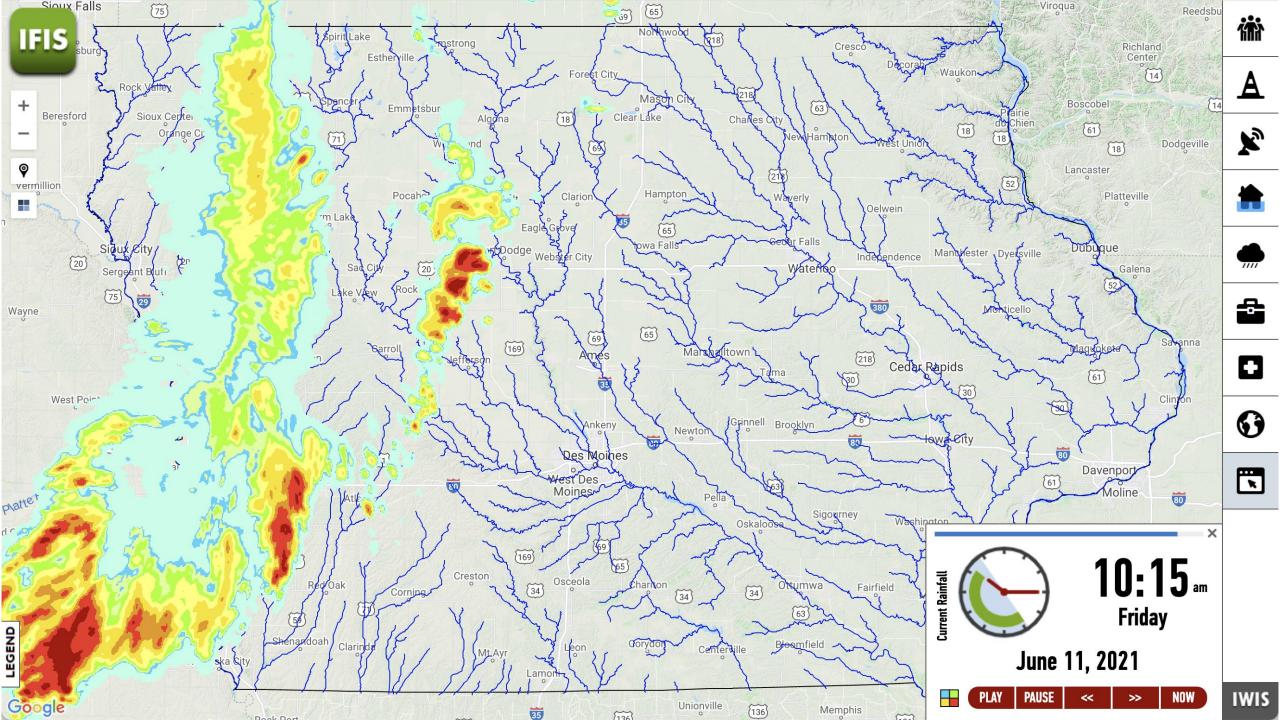


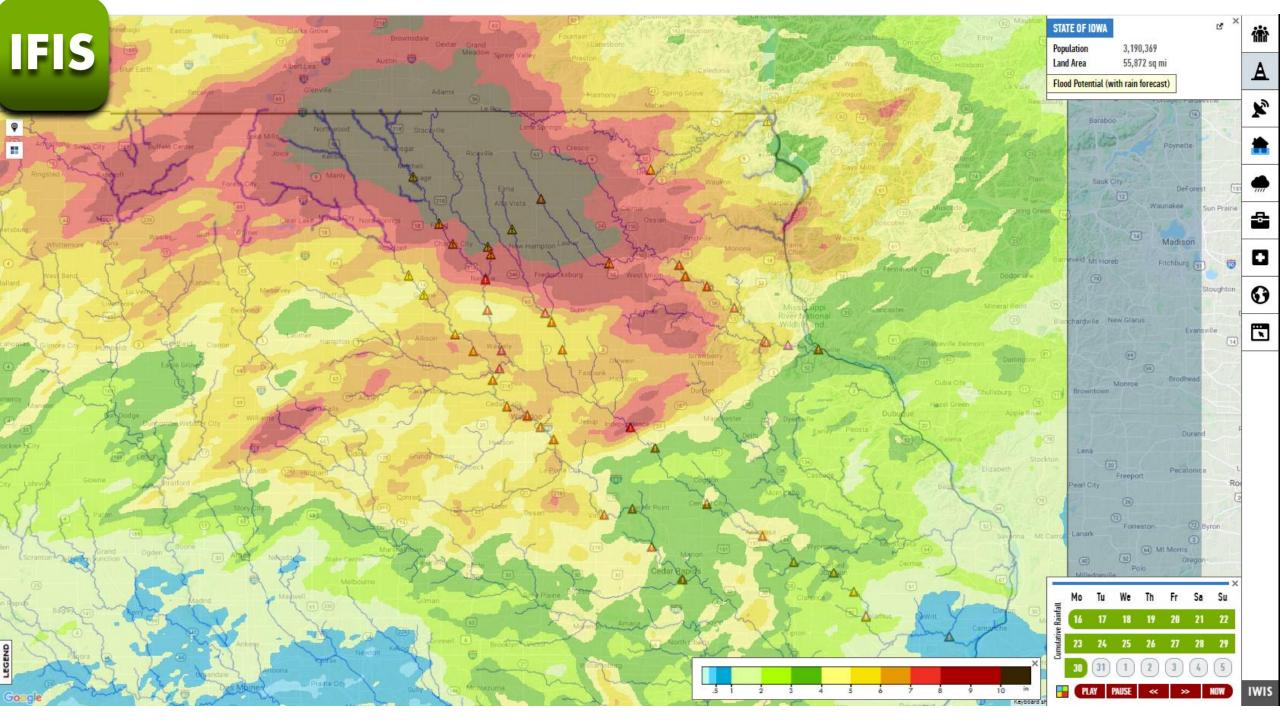


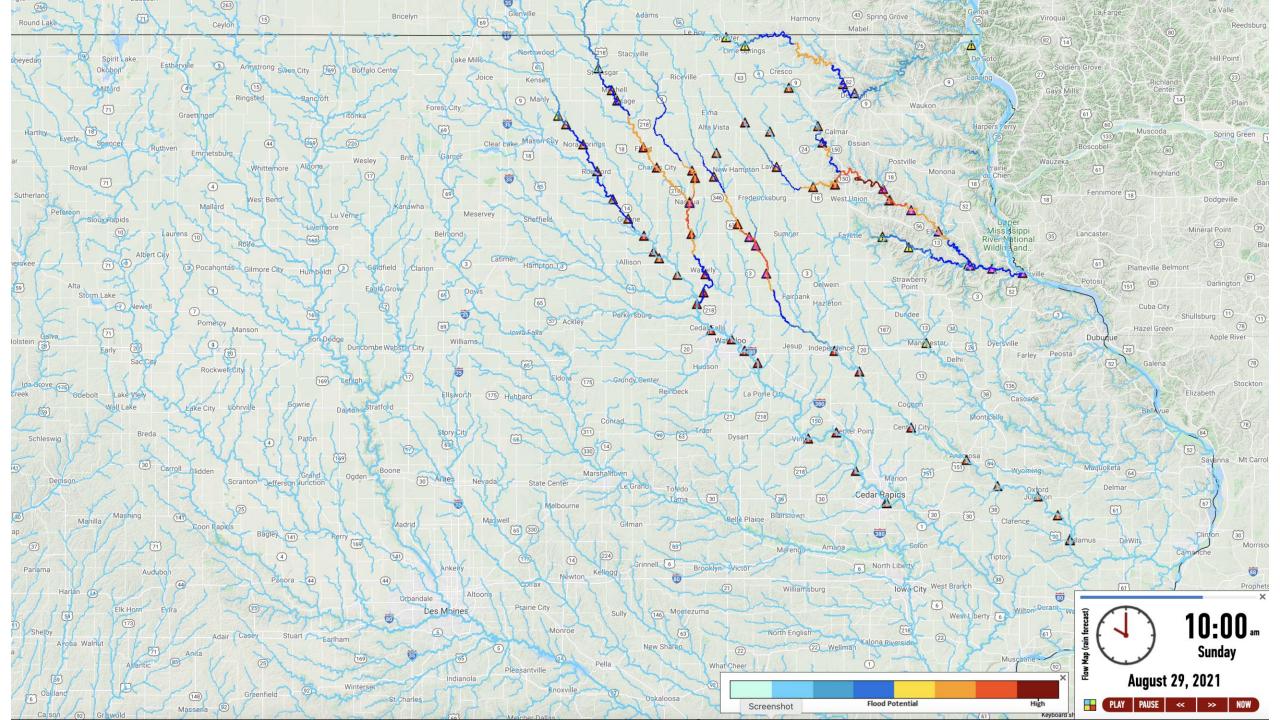


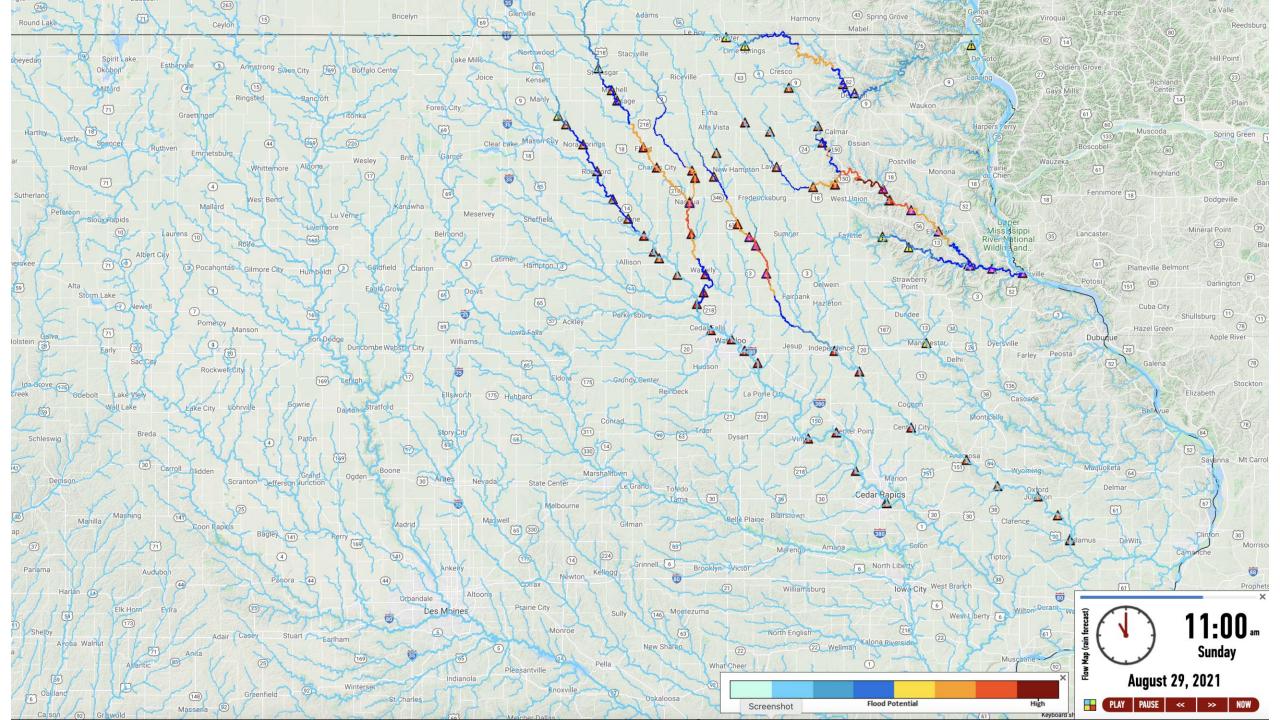


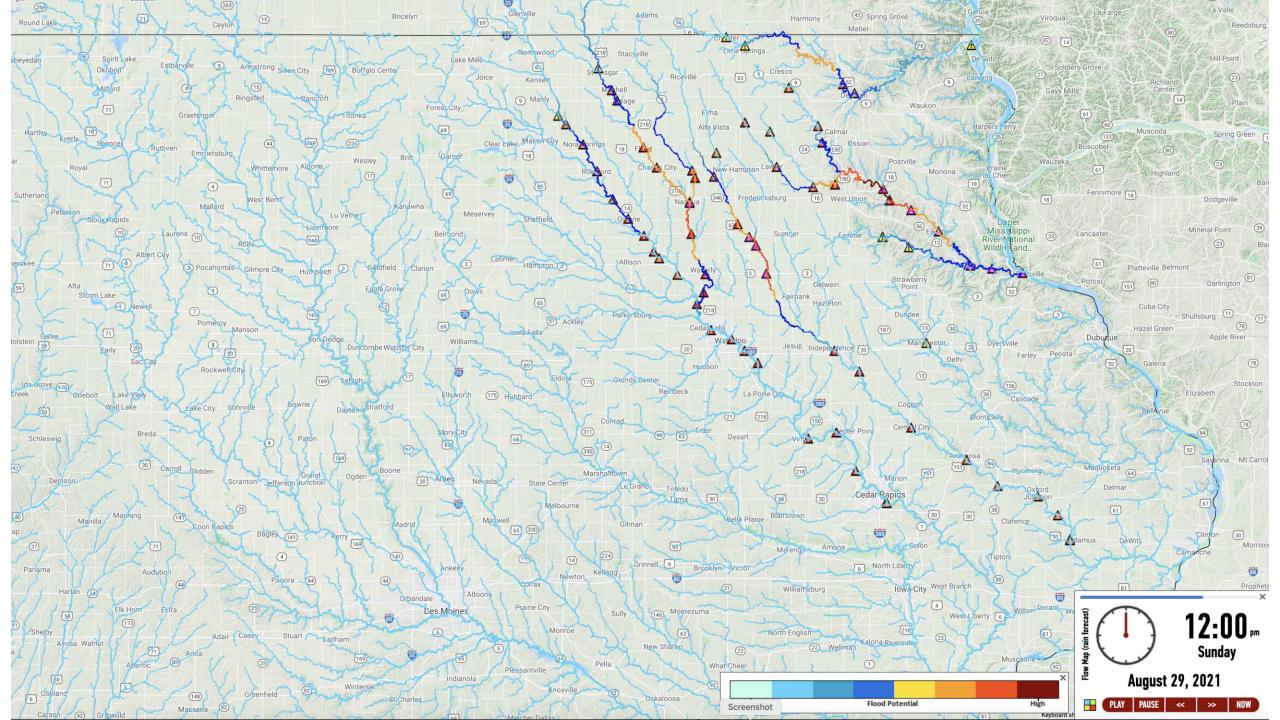


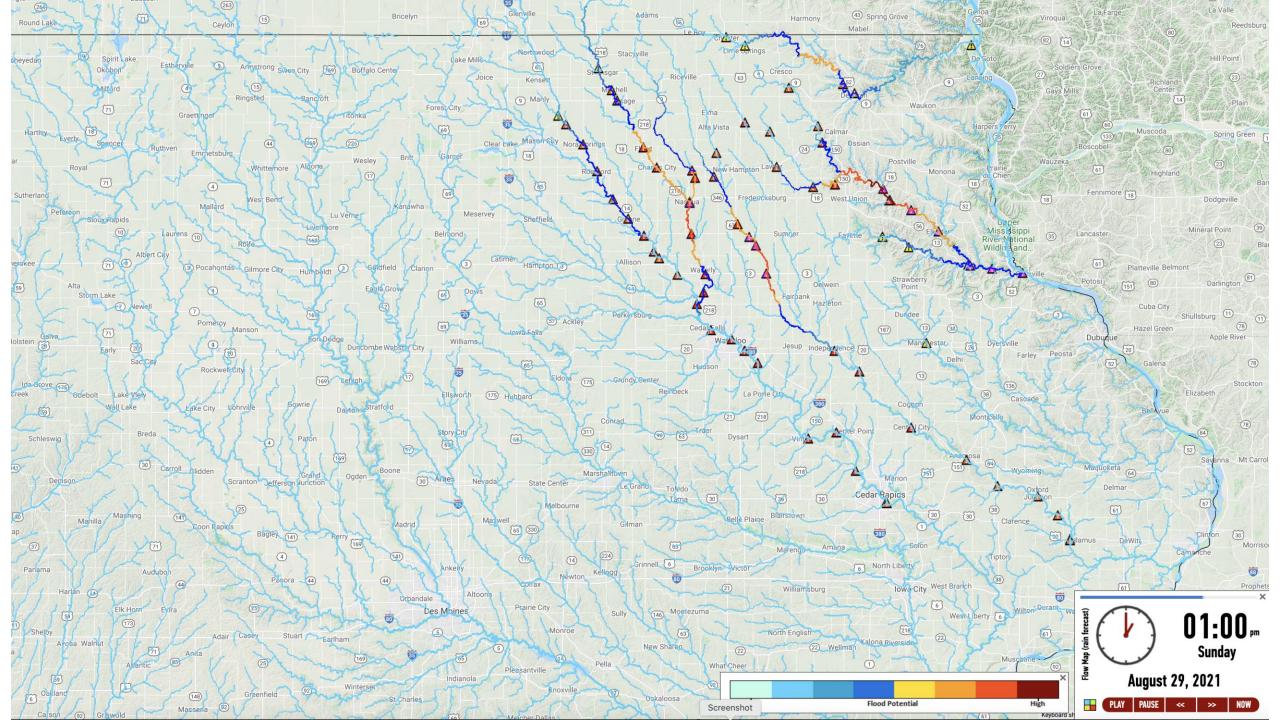


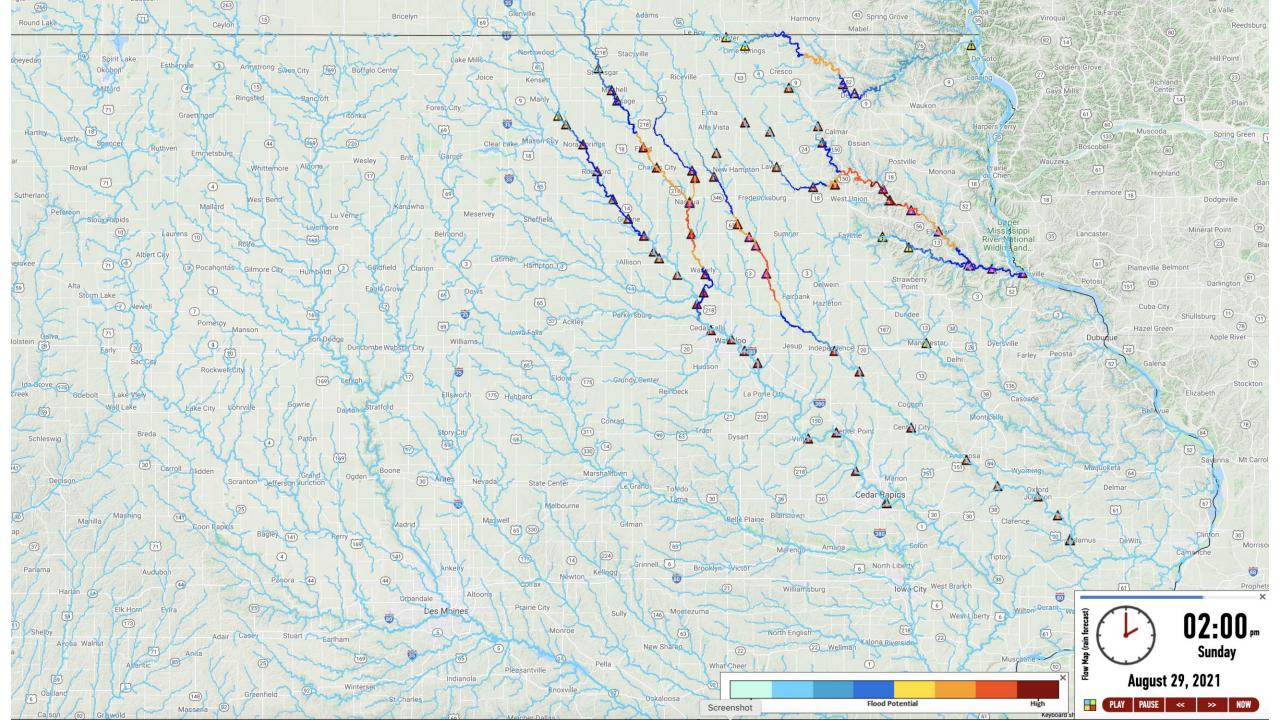


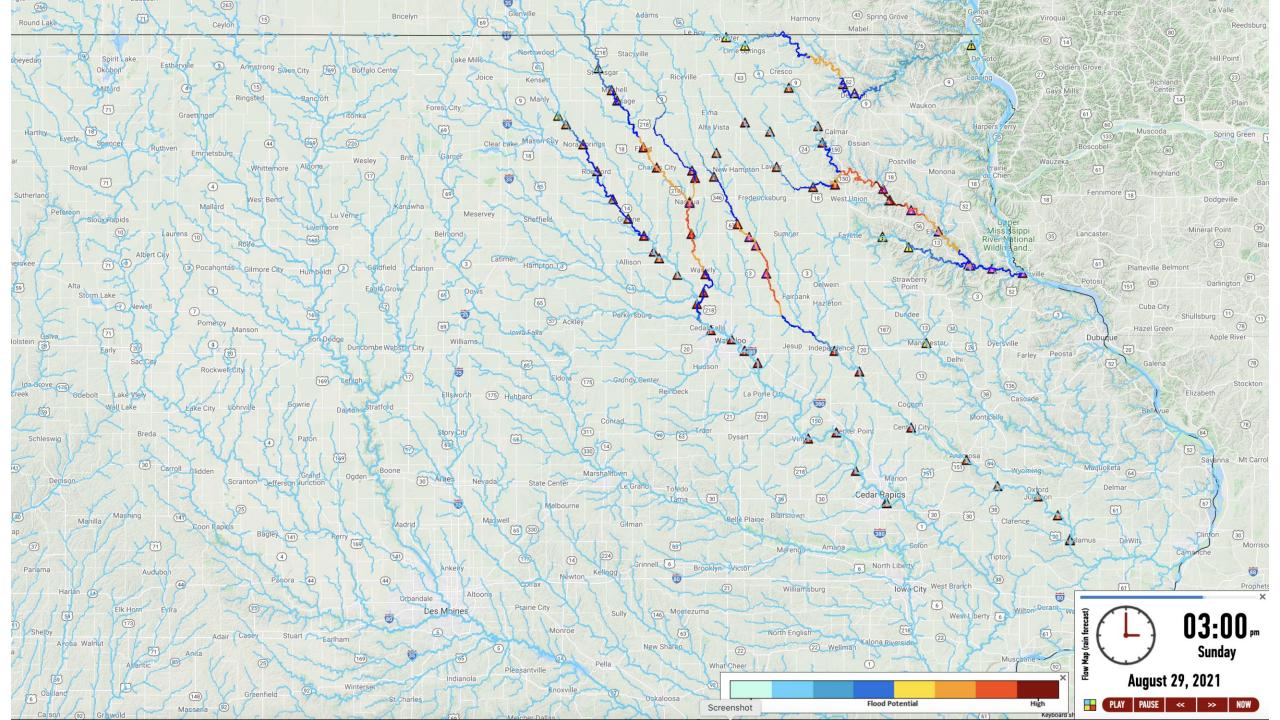


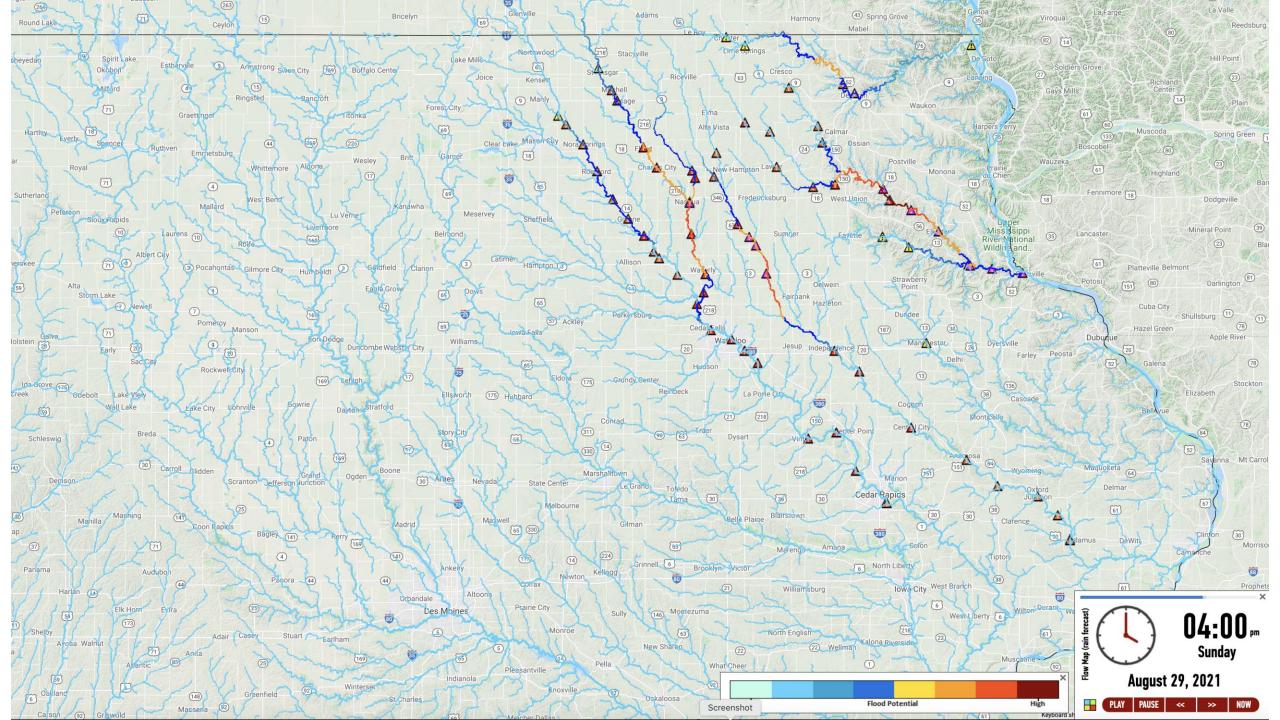


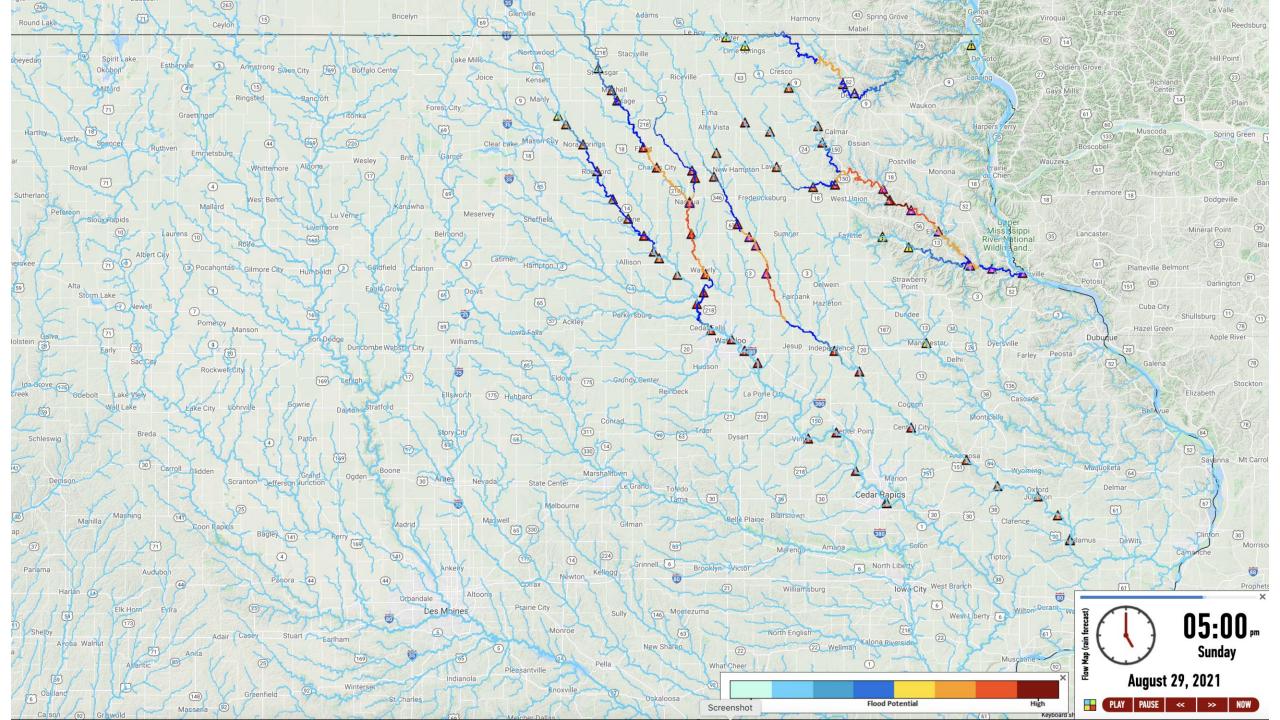


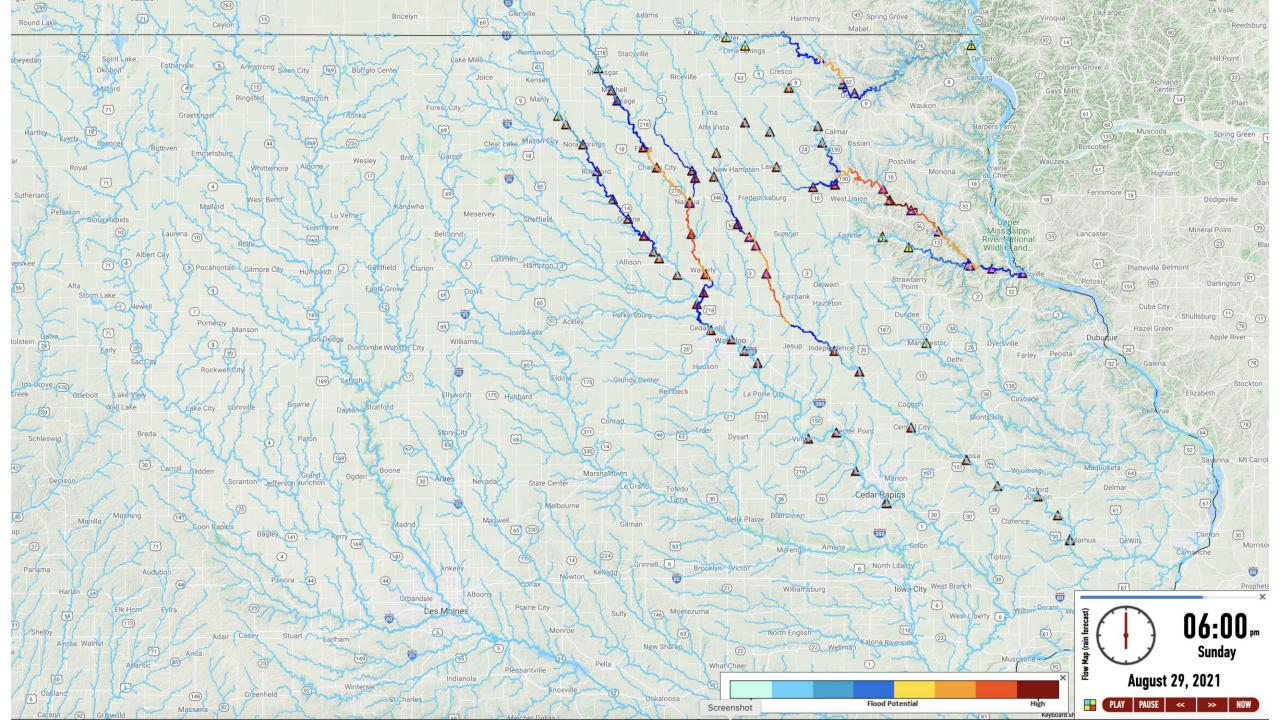


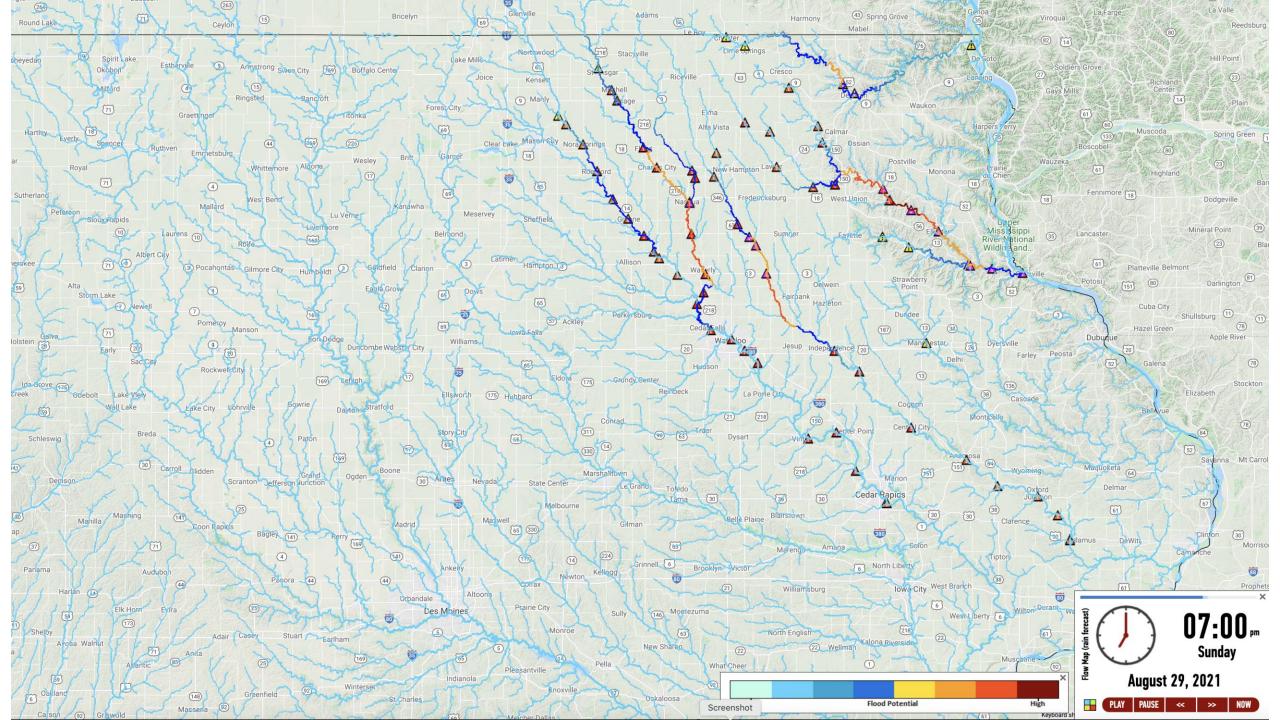


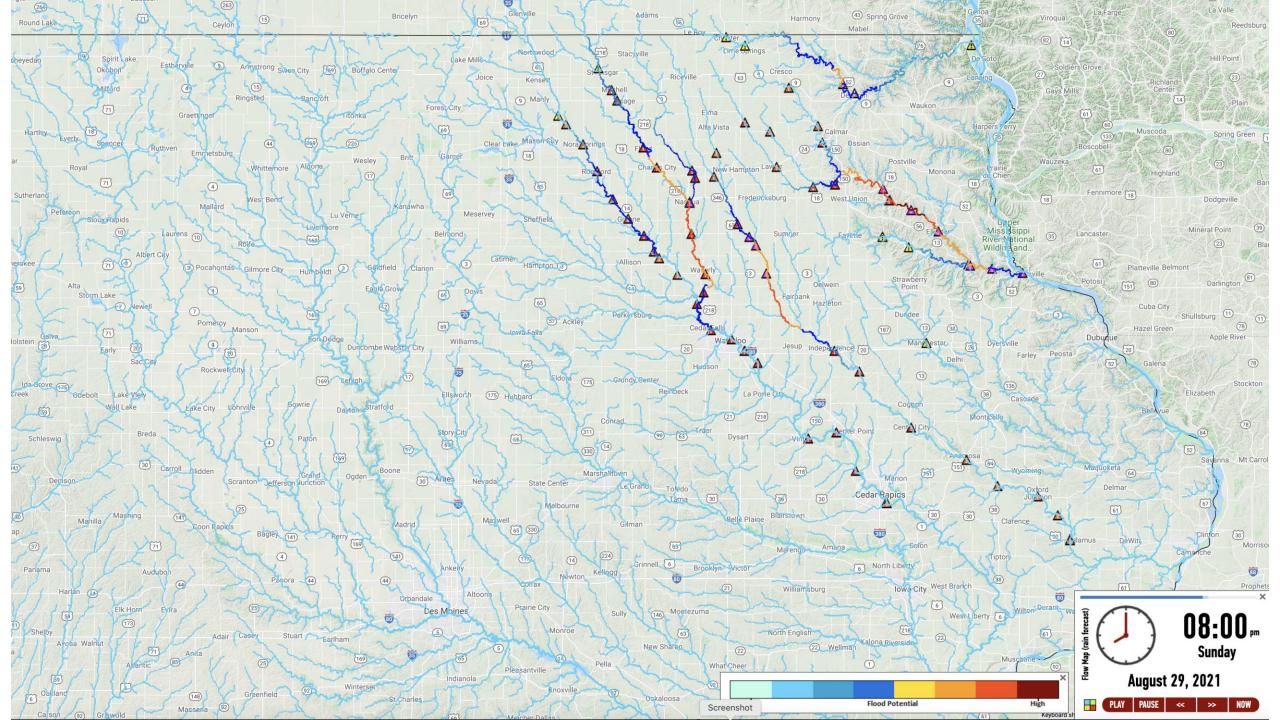


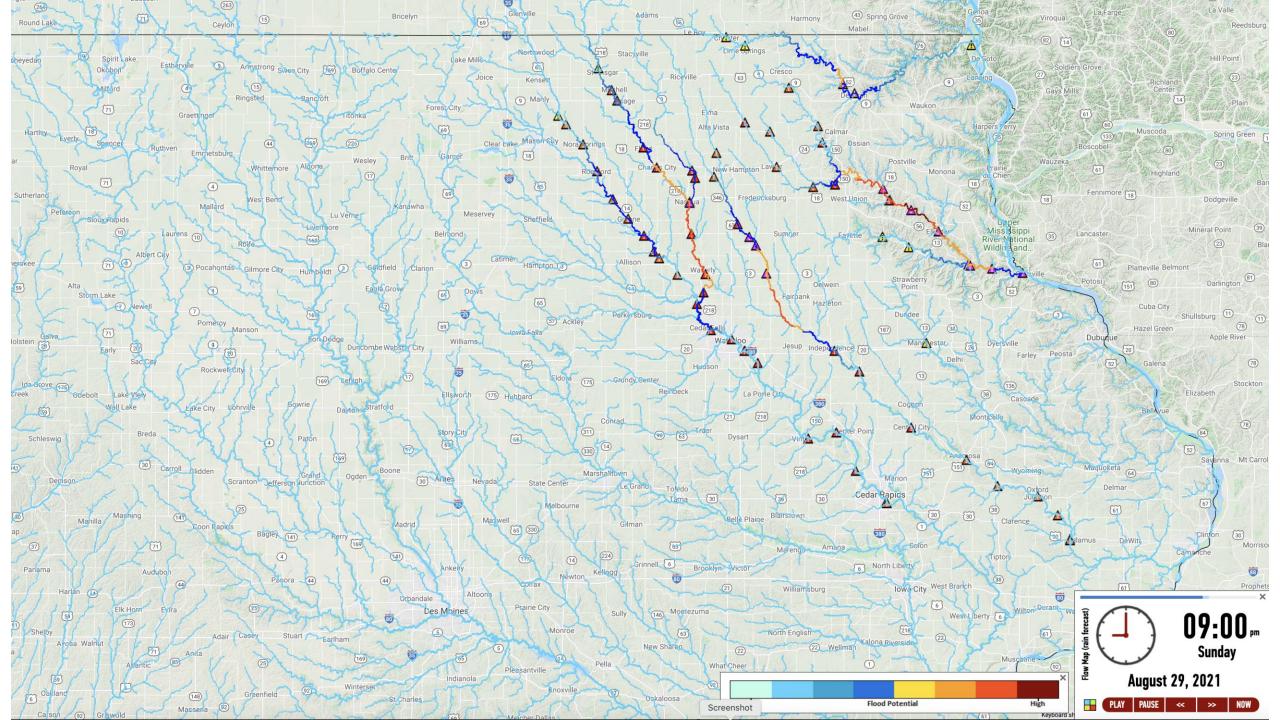


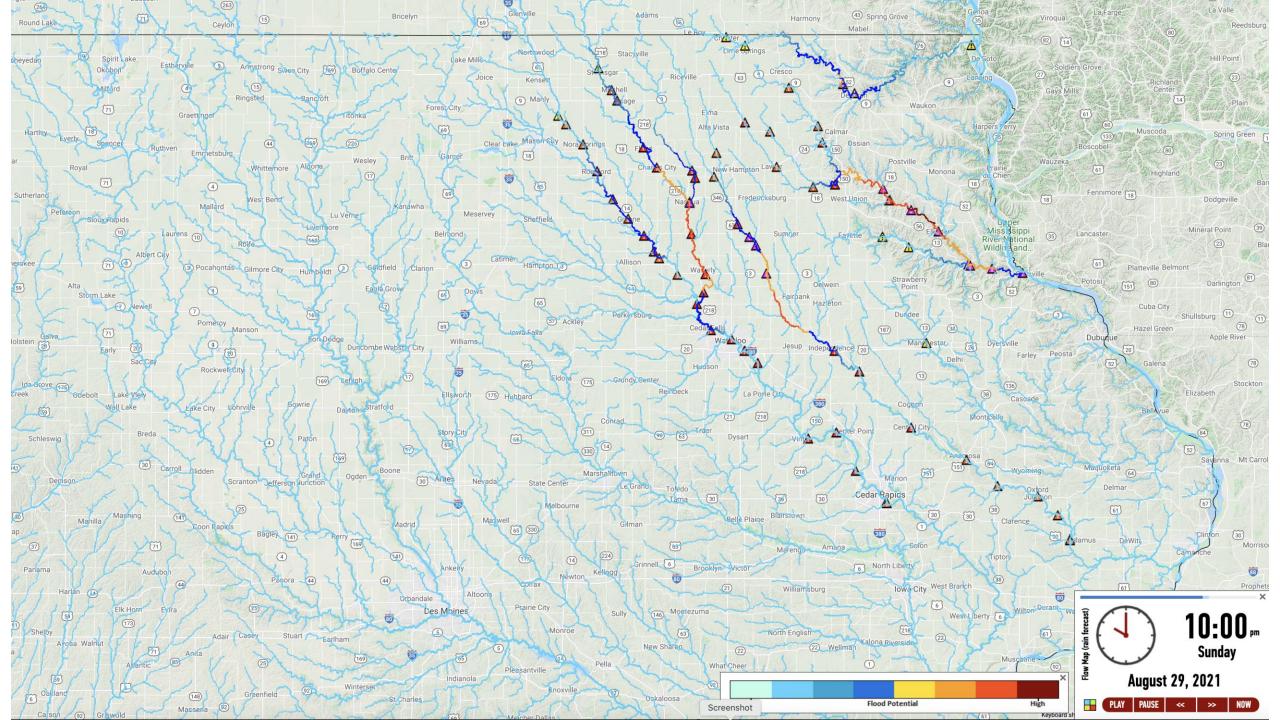


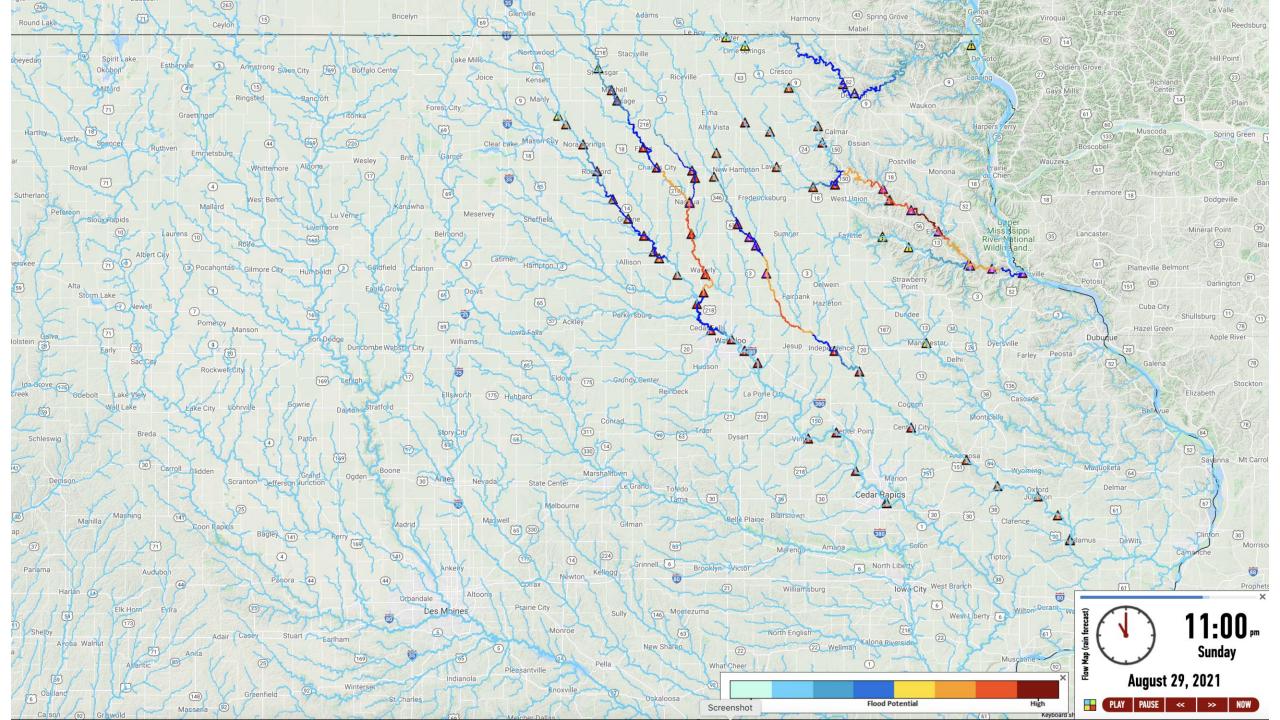


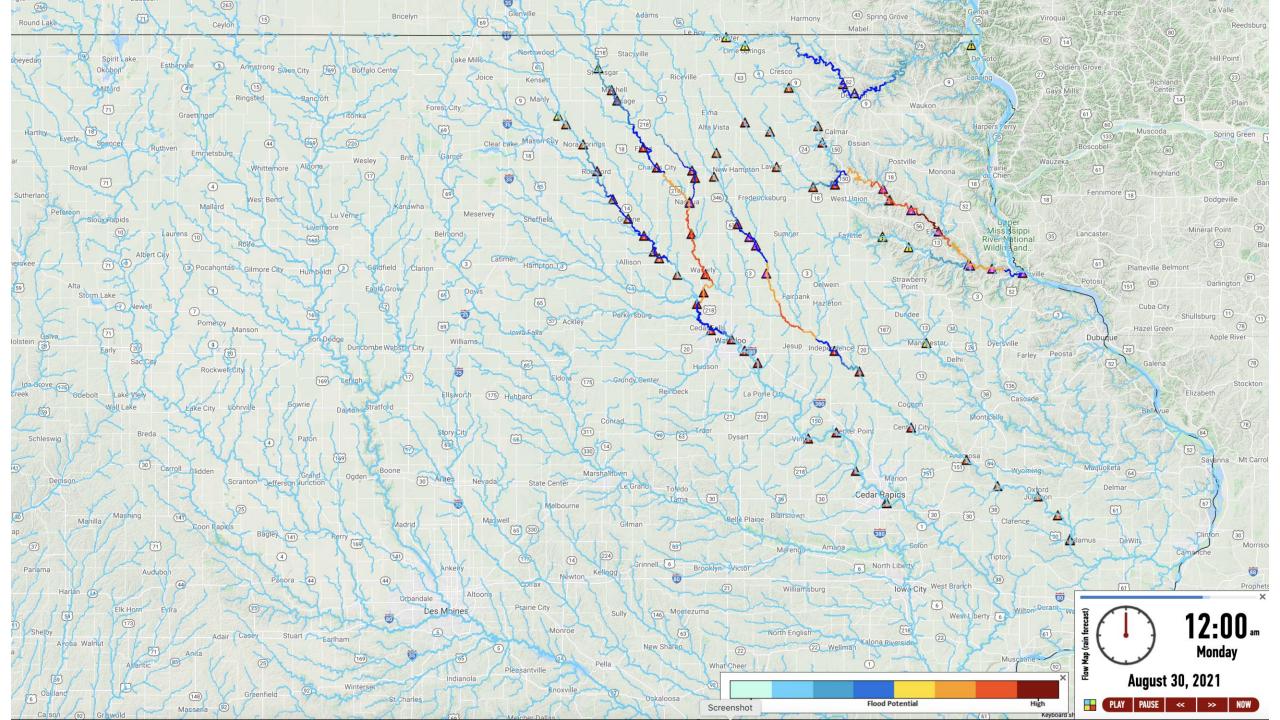


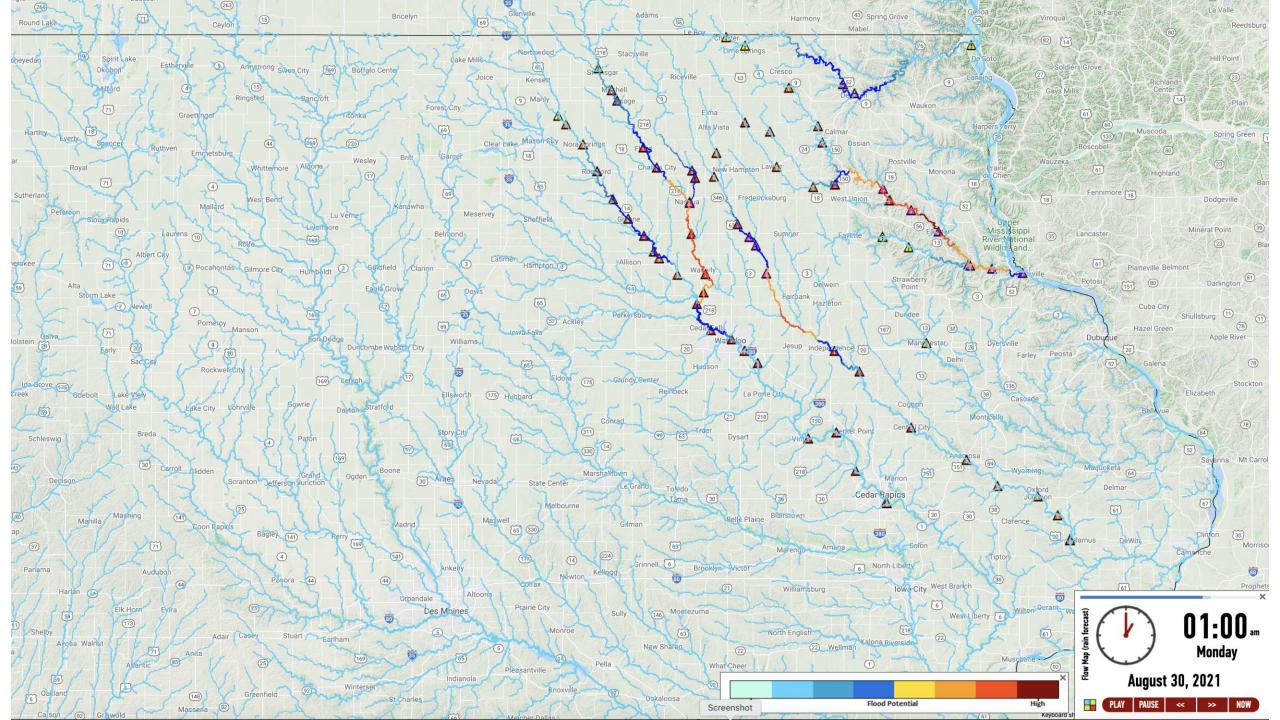


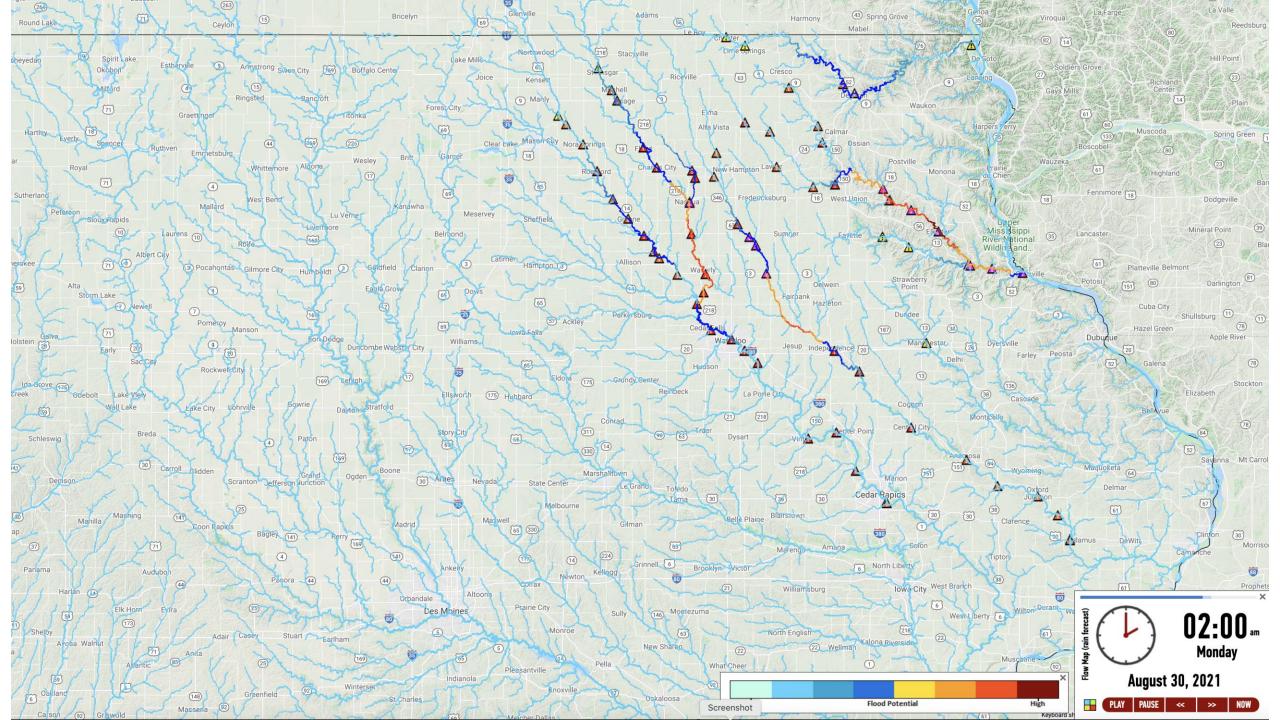


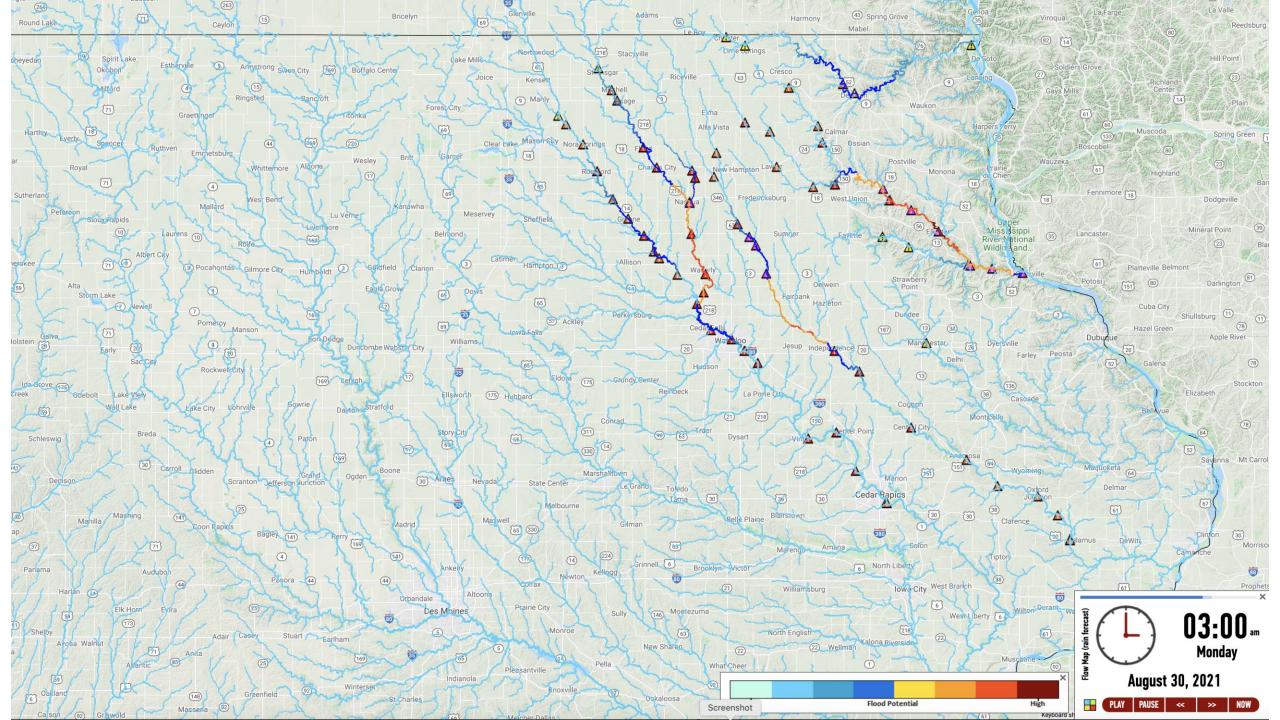


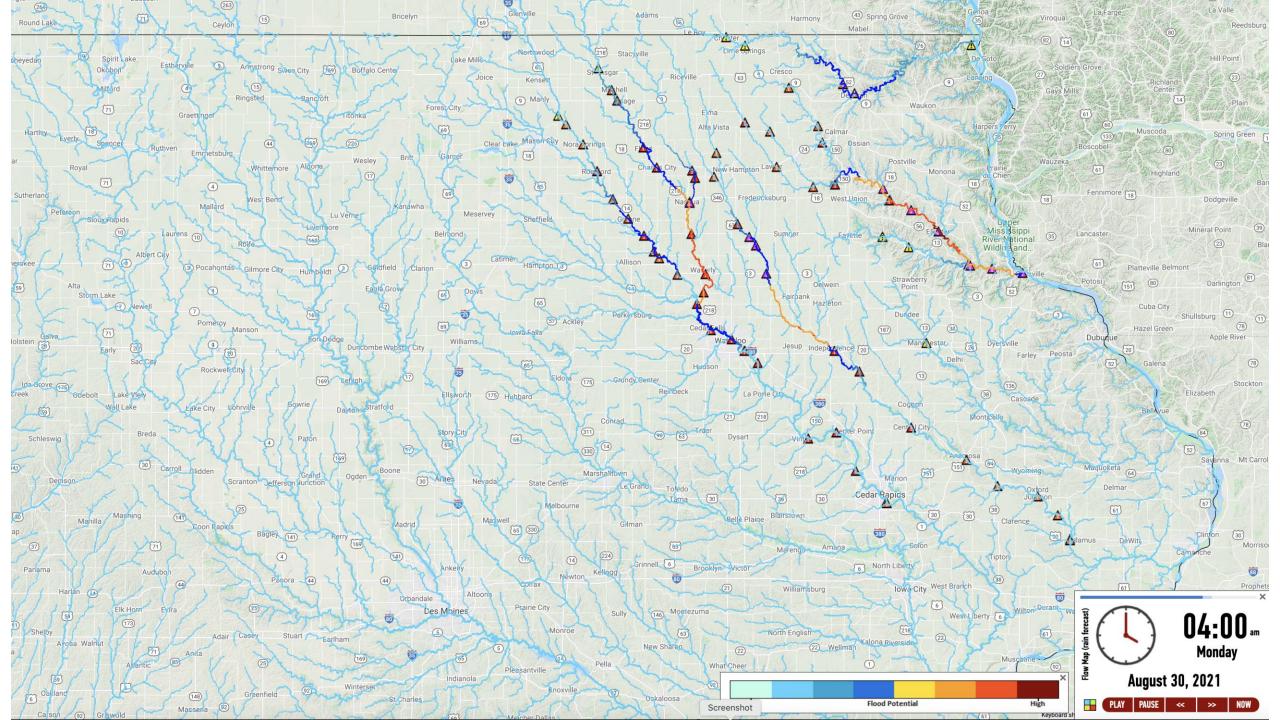


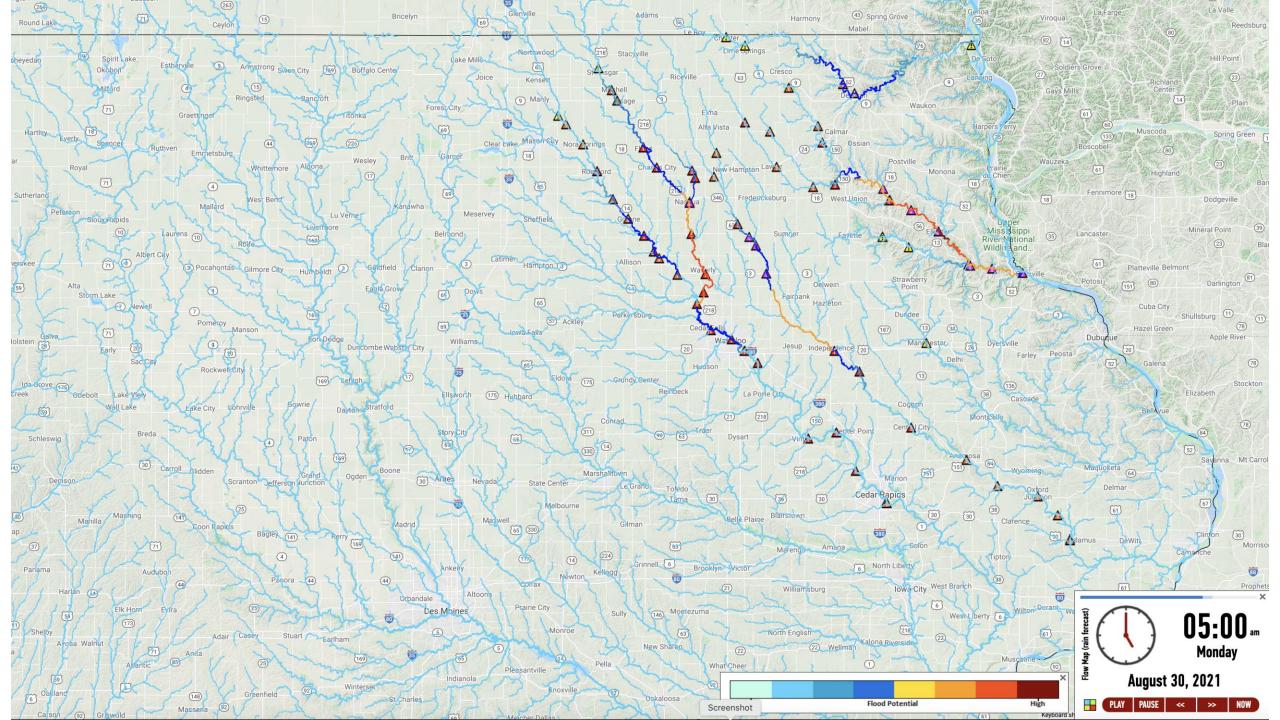


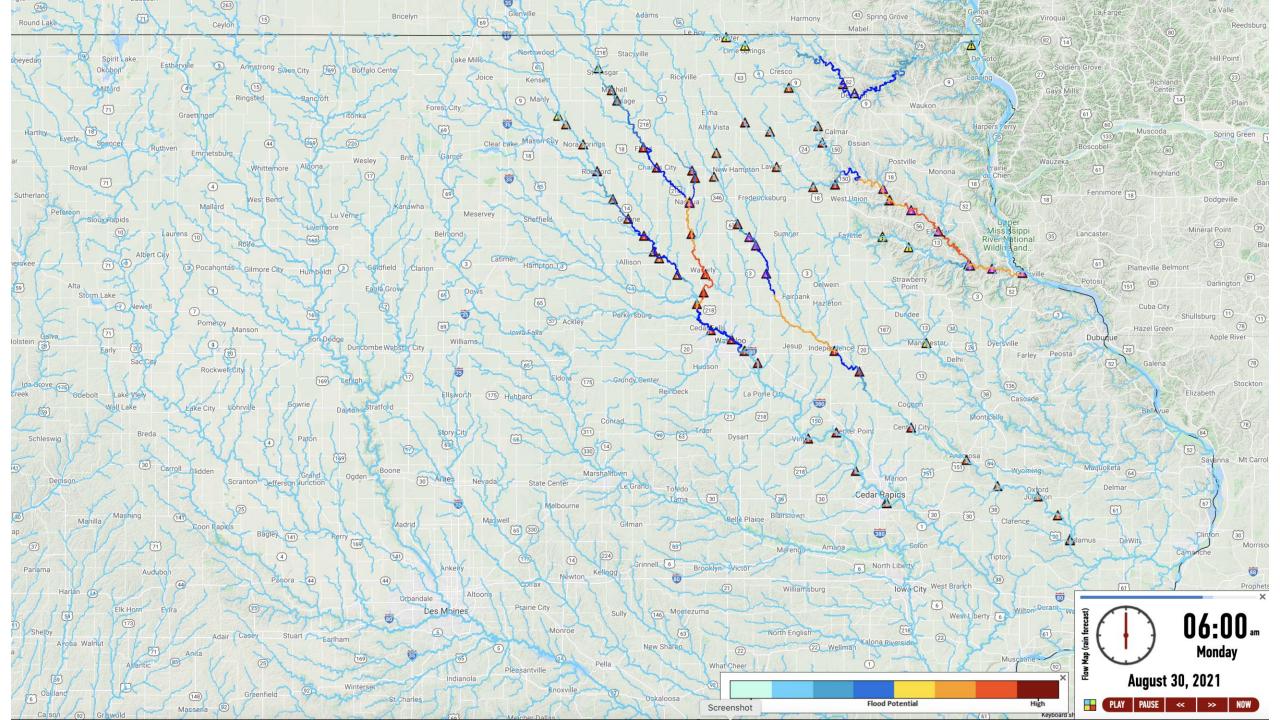


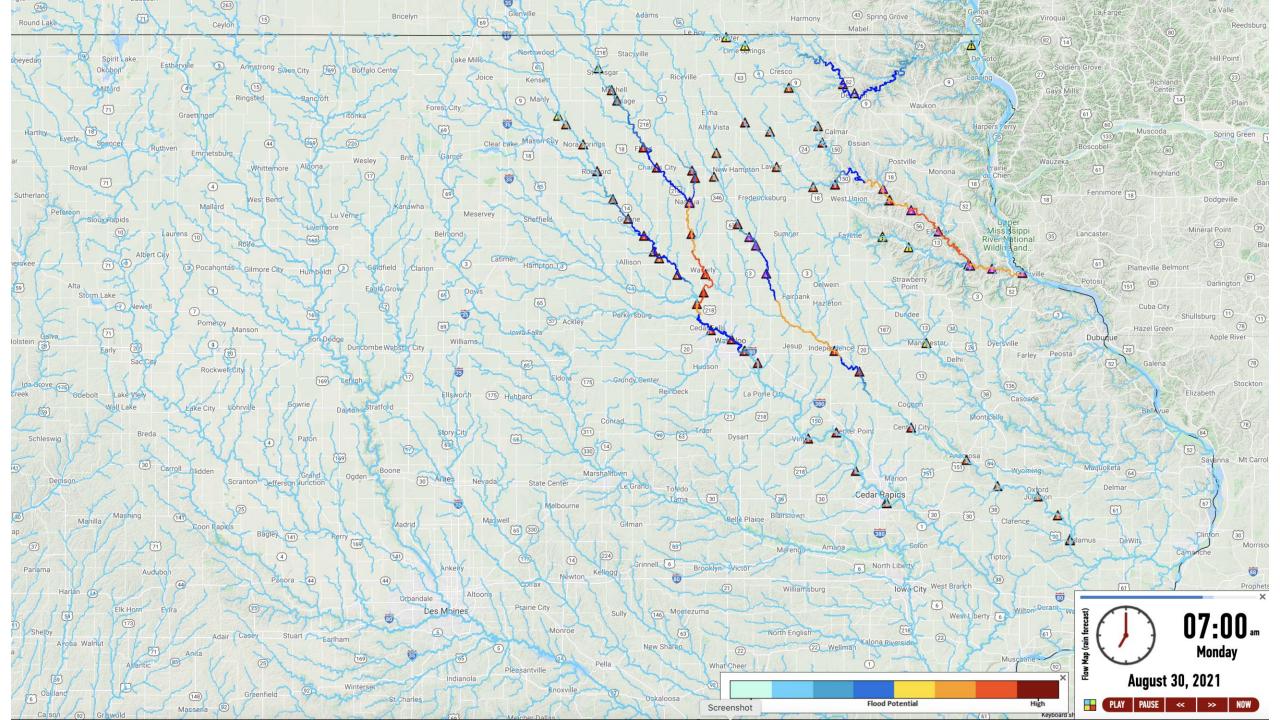


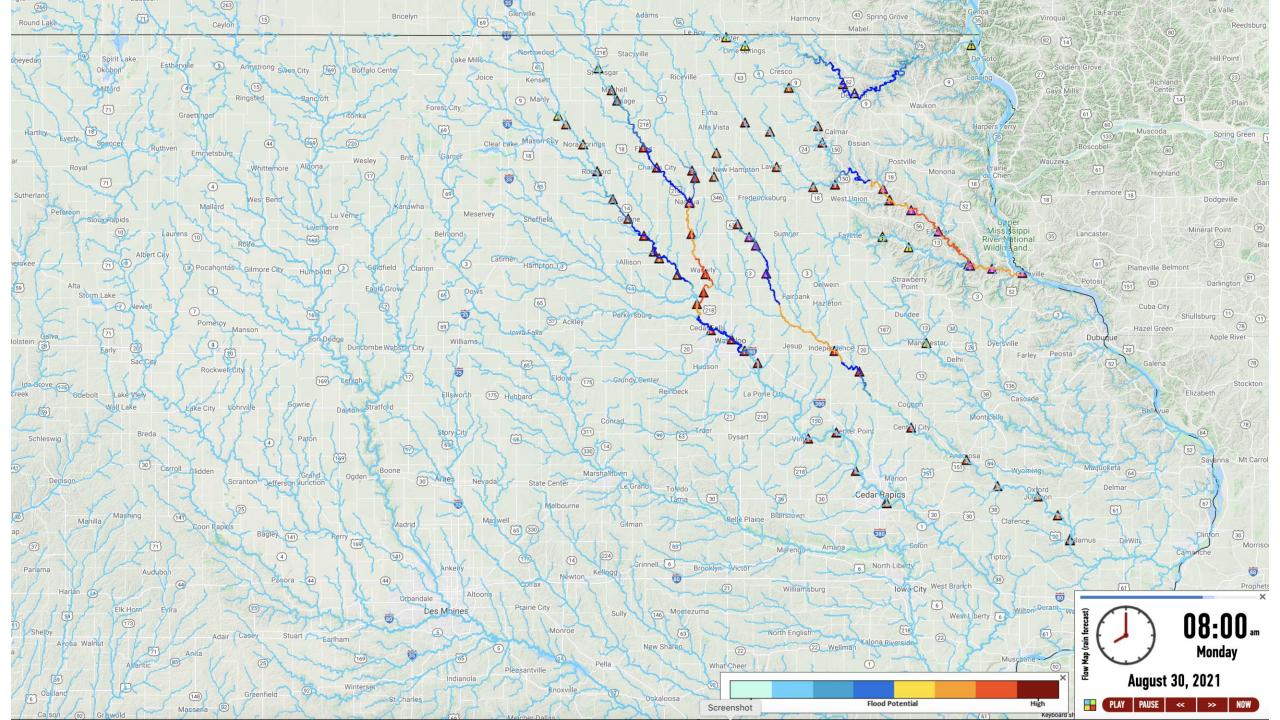


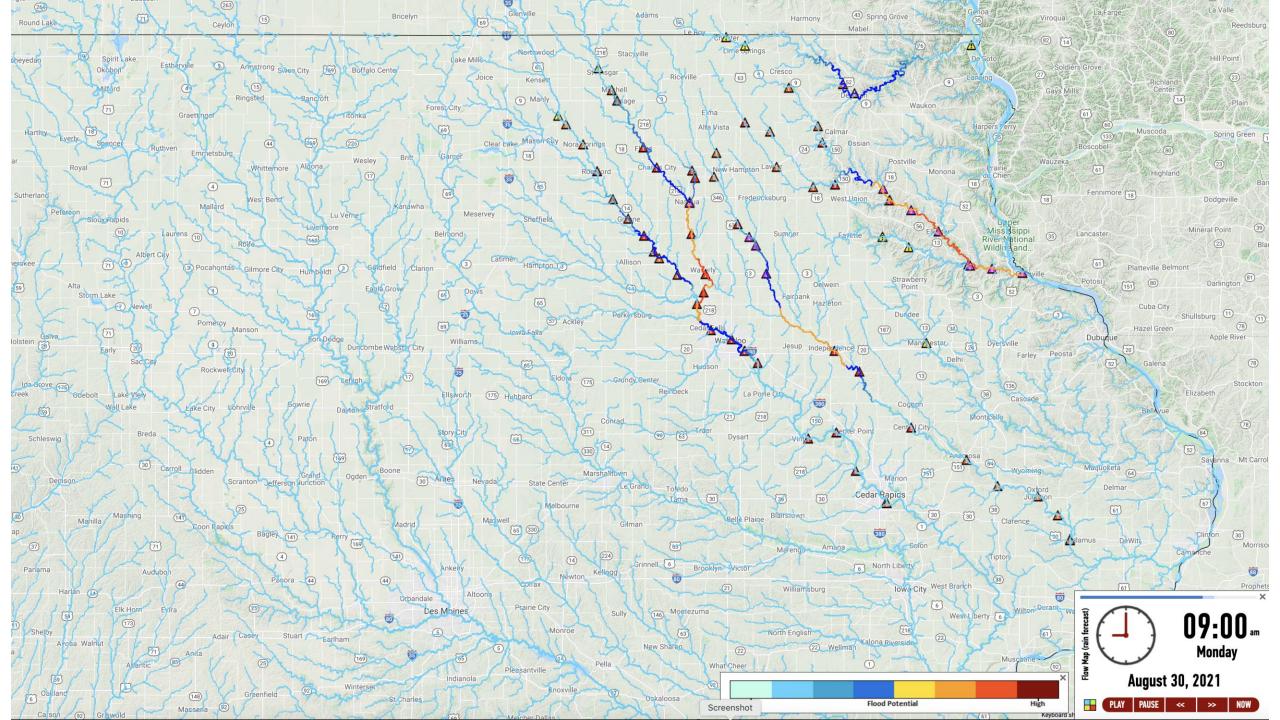


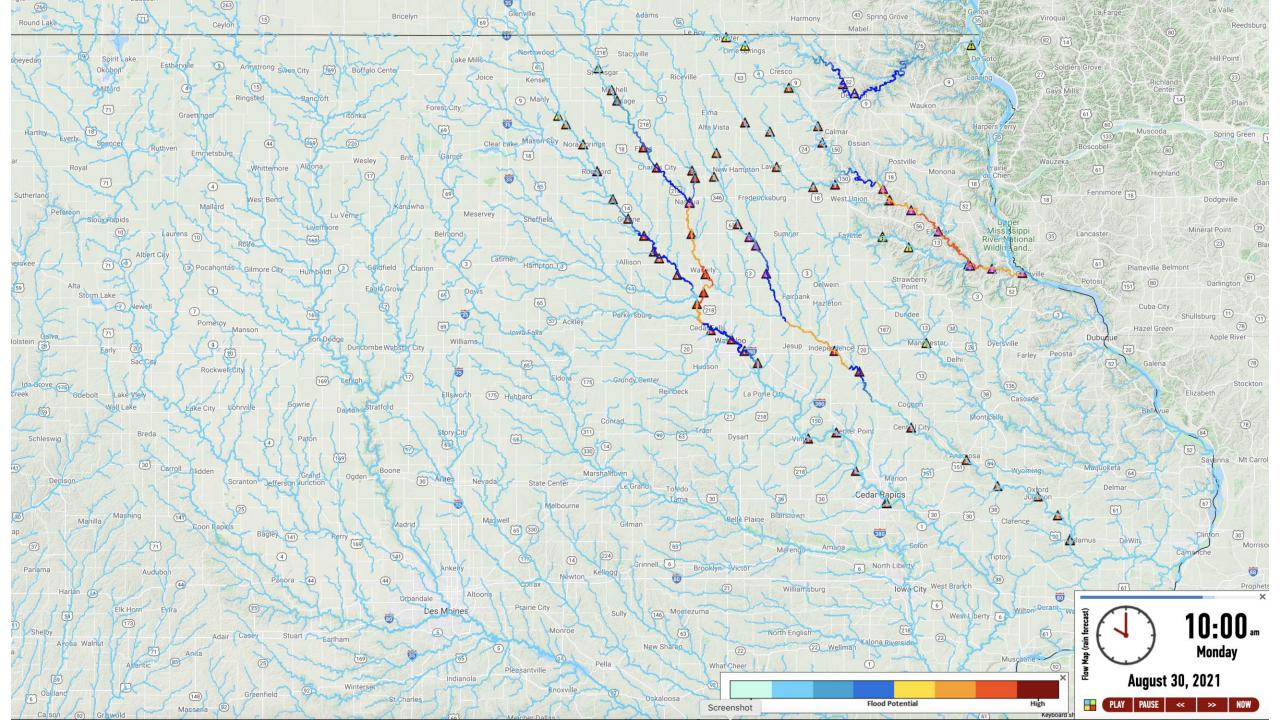


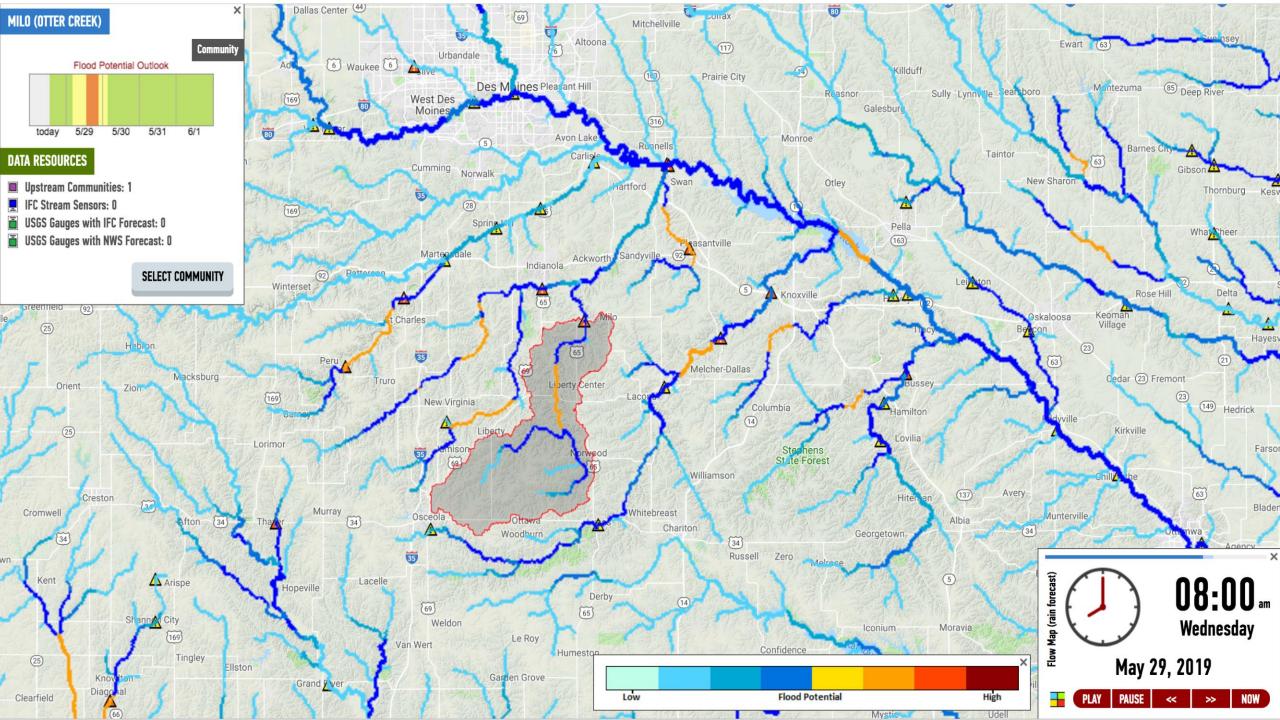












## IFC STREAM GAUGE

City: Elgin

River: Turkey River

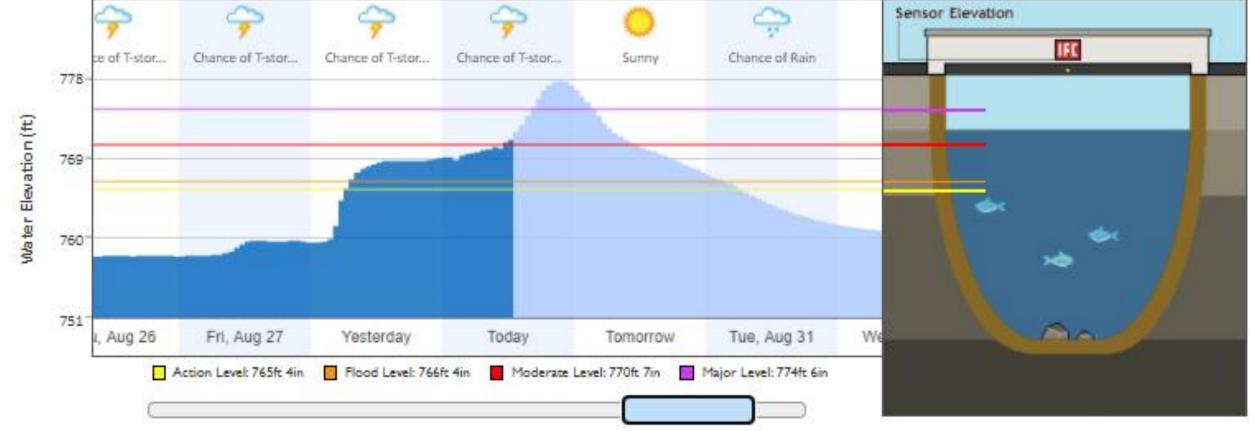
Station ID: TKYRV02 (IFC) Sensor Elevation: 778.4 ft

Forecast: IFC Model [ rain forecast | no rain scenario | 2" rain scenario ]

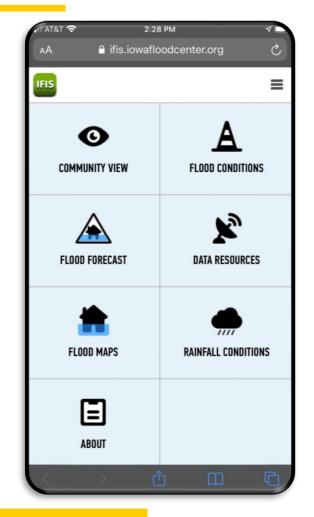
Last Reported: Sun, August 29, 2021 1:00 pm

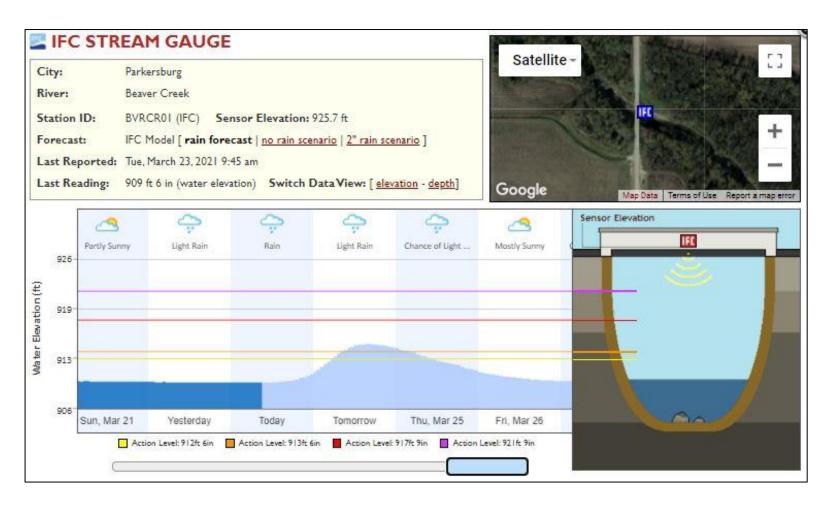
Last Reading: 771 ft 4 in (water elevation) Switch DataView: [ elevation - depth]



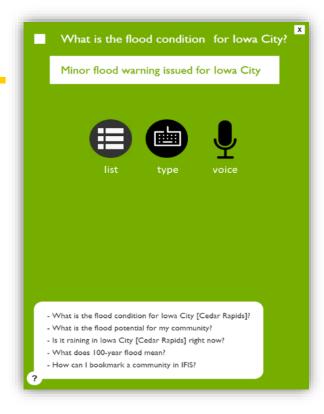


# **IFIS Mobile Alerts**

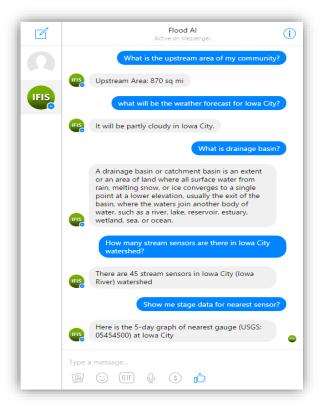


















FLOOD AI

**SMART ASSISTANT** 

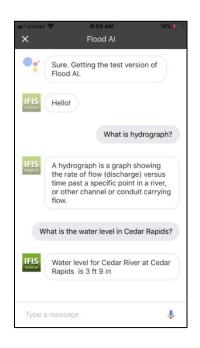
IOWA

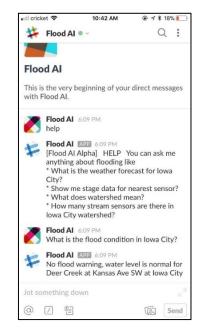
**VOICE RECOGNITION** 

ARTIFICIAL INTELLIGENCE

## Flood Al Alpha: Artificial Intelligence System for Disasters











**Amazon Echo** 

Alexa ask Flood AI ...



Google Home Ok Google talk to Flood AI





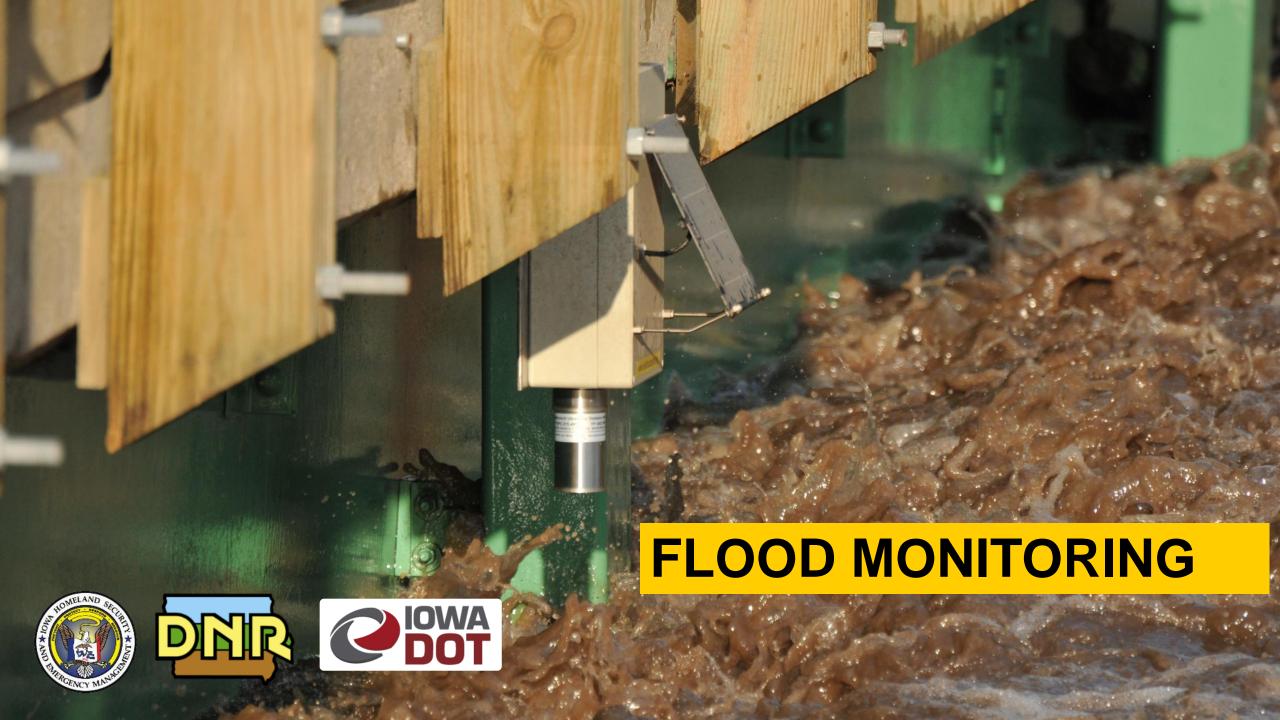


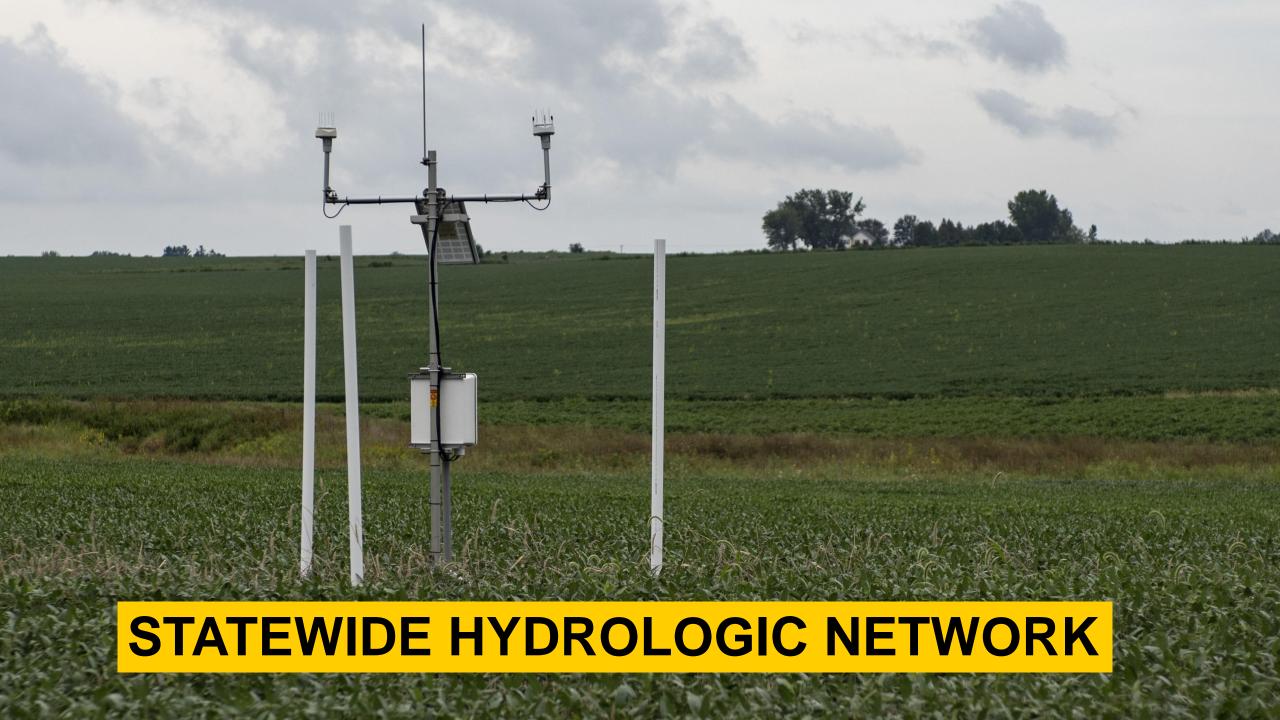


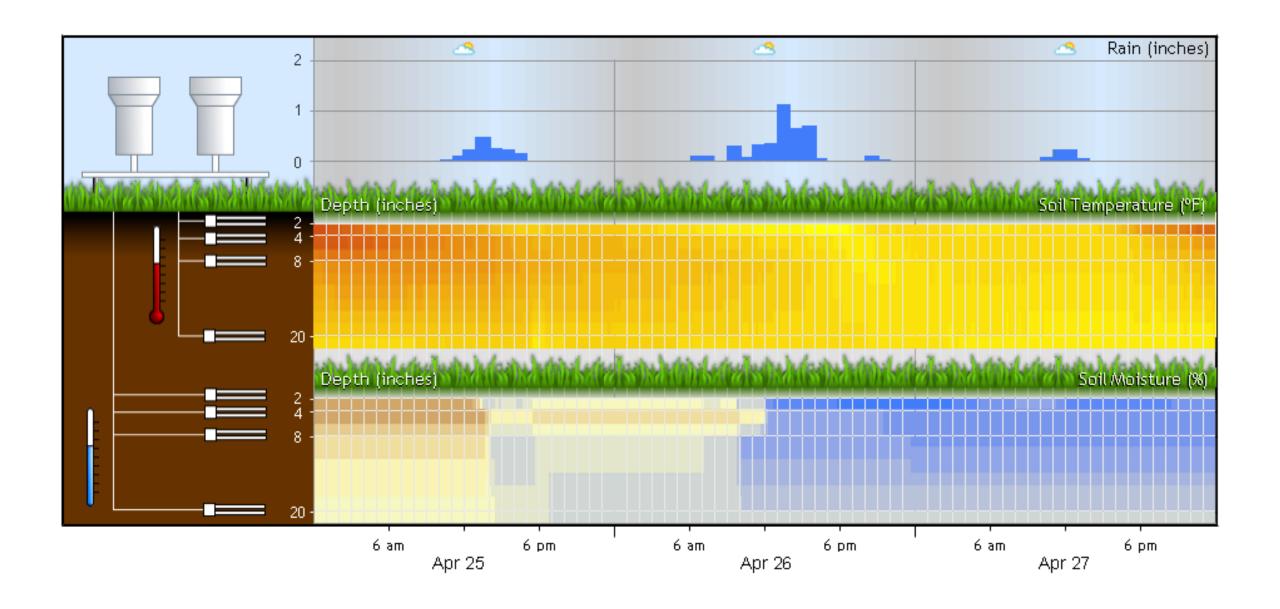
**Smart Devices** 

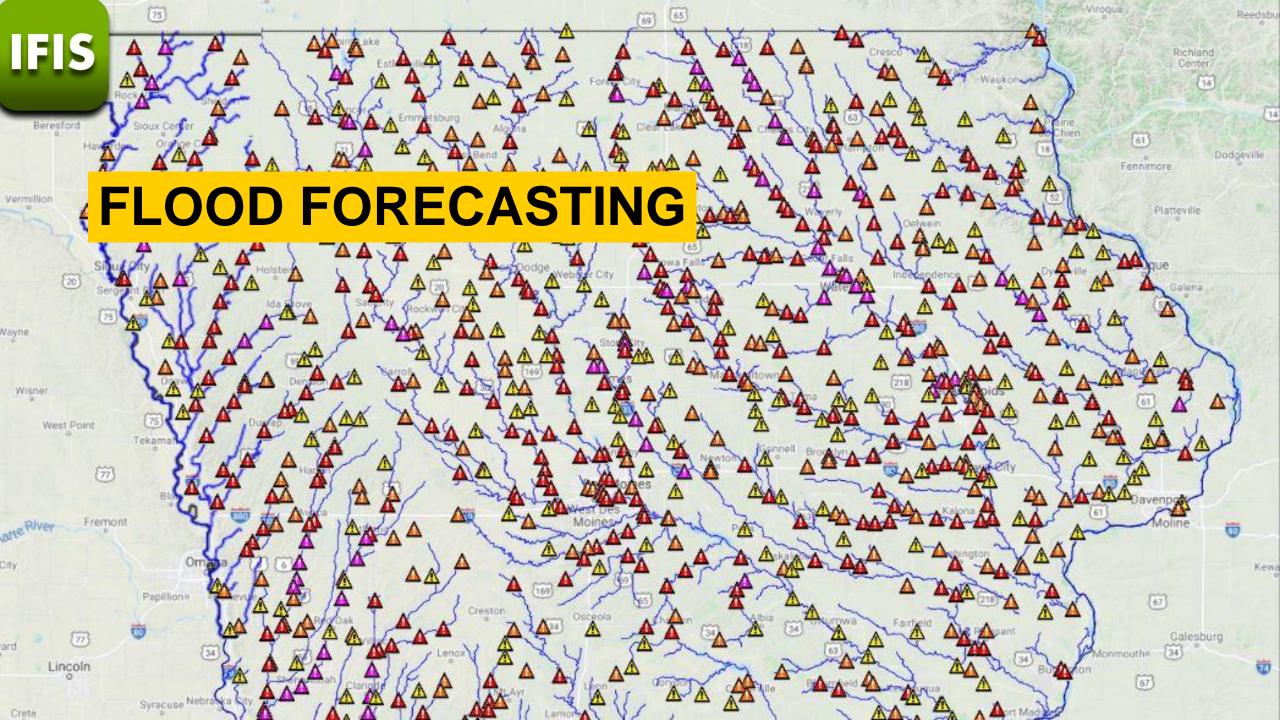


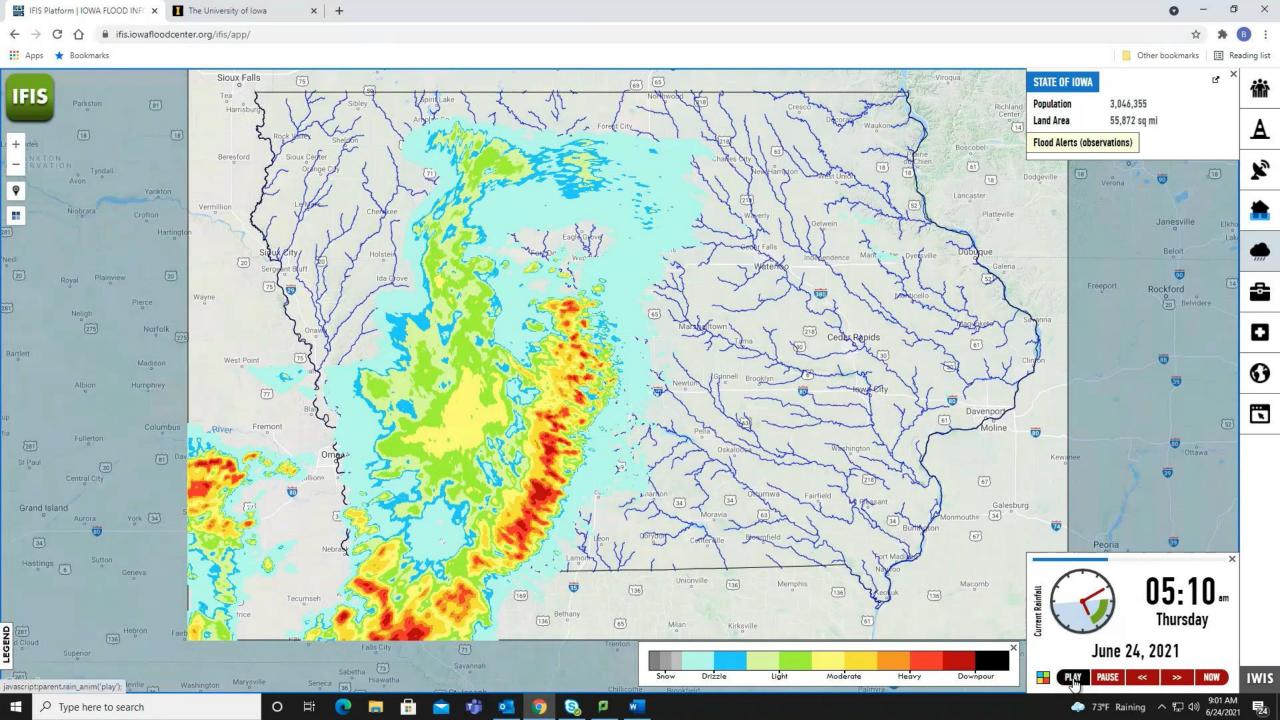


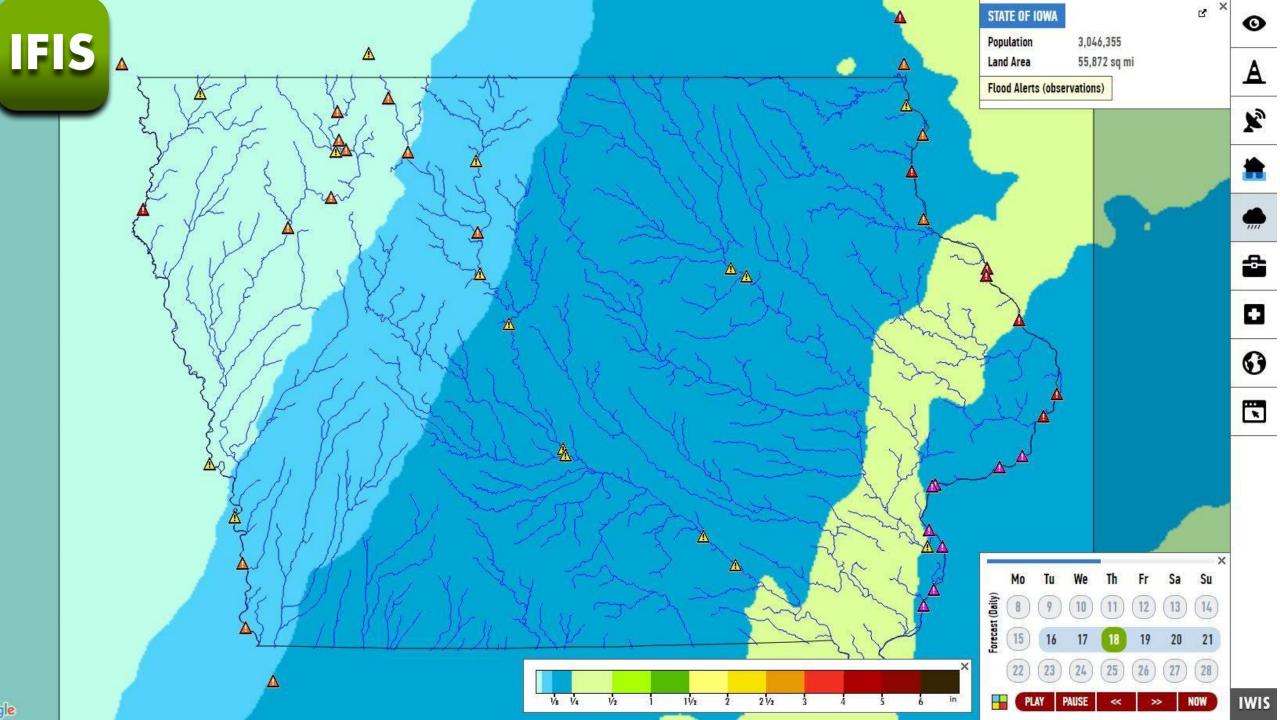




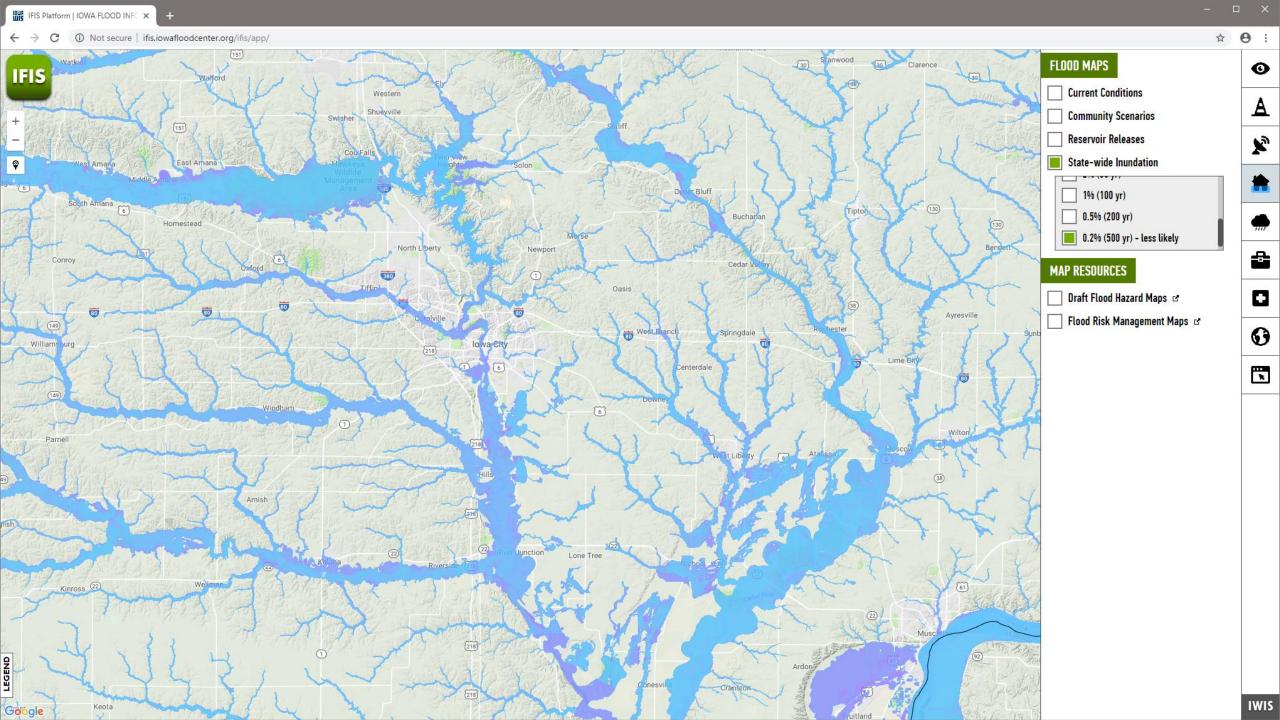


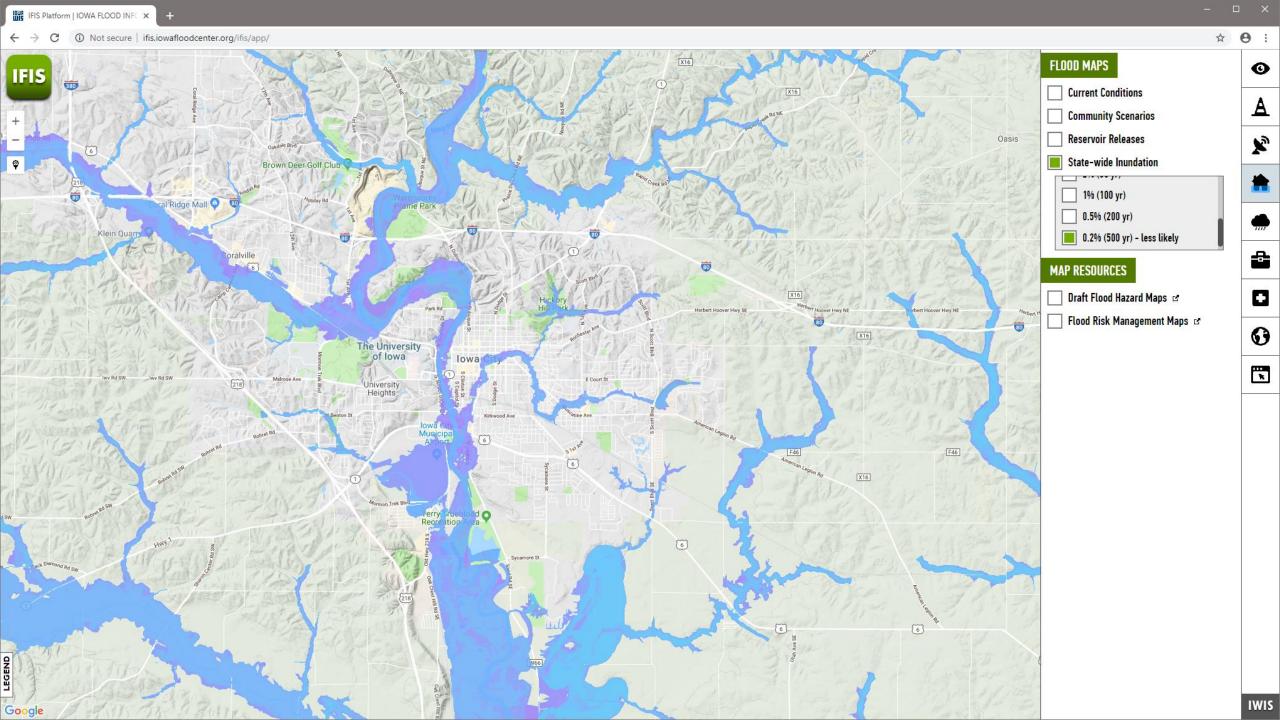


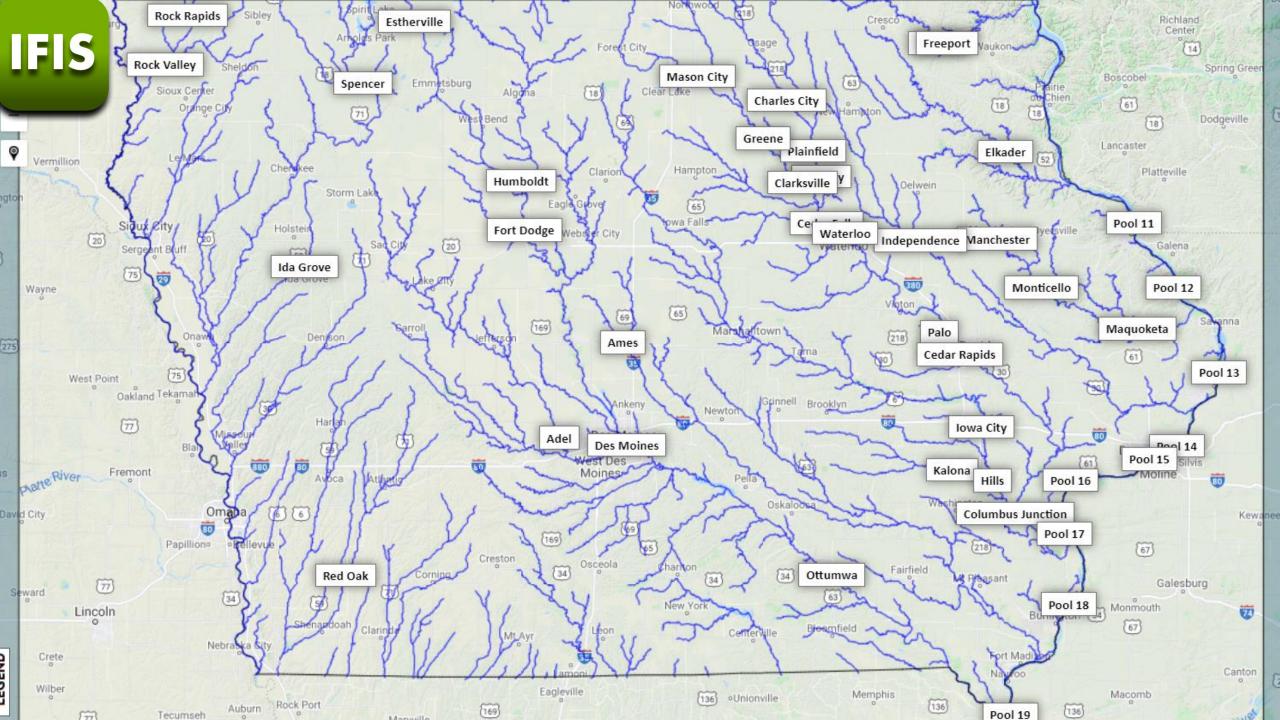


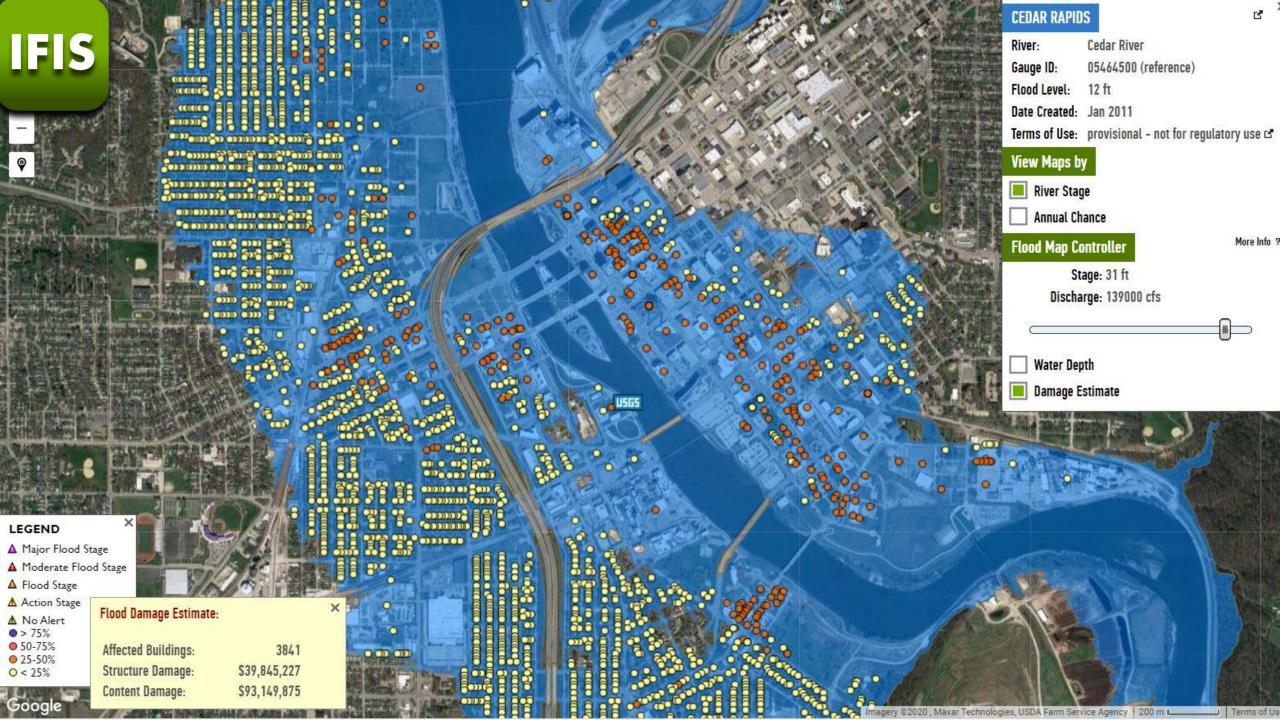




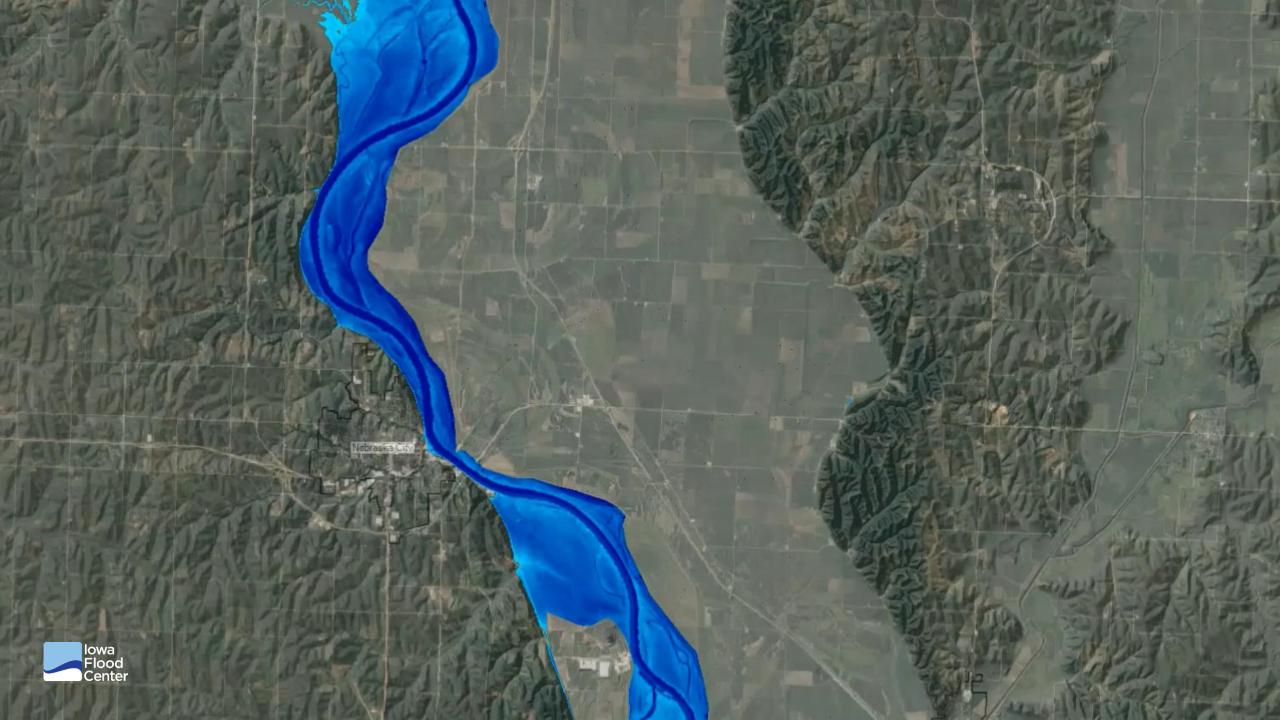








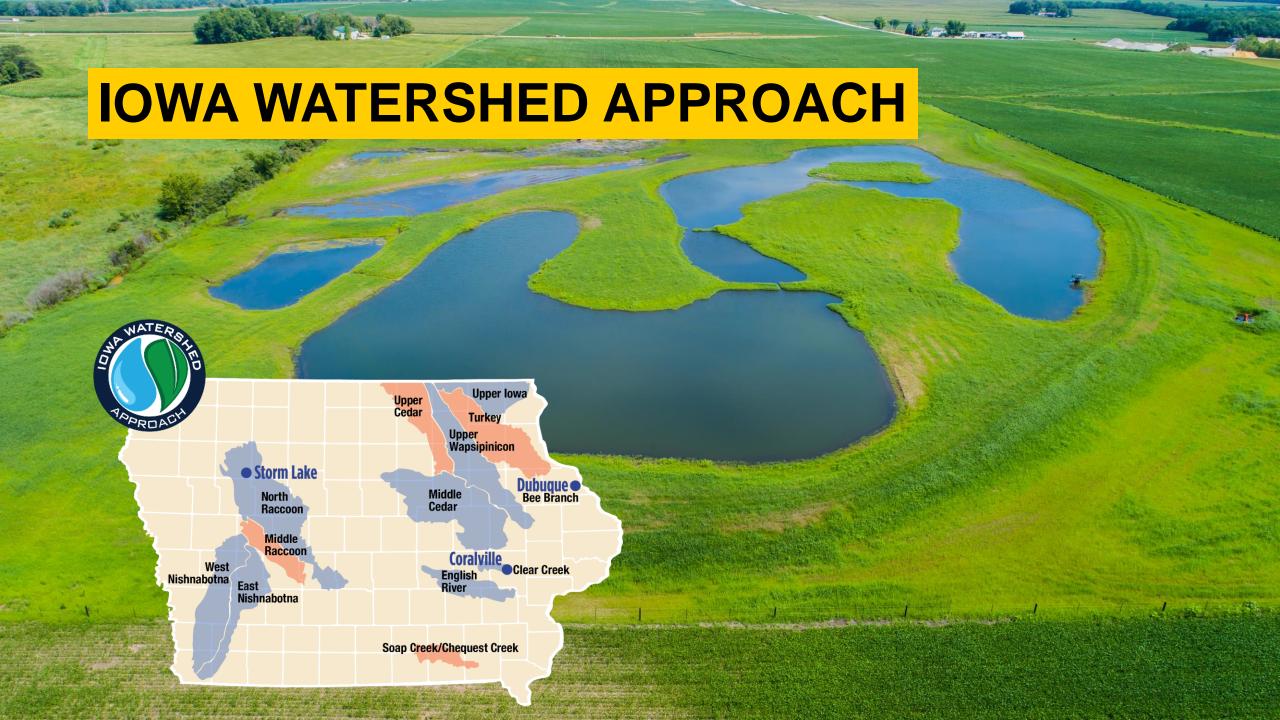






















# **IFC** in the News

# News Tribune

#### Missouri has plan to develop flood monitoring system

Inspired by neighboring lowa's flood-monitoring system, a Missouri group tasked with giving recommendations on building flood resiliency to the governor by the end of the month heard a presentation Wednesday on how the state could develop a similar system.



The North Jefferson City Recreation Area was still underwater in June 2019 while the Missouri River was in major flood stage. The Missouri River at Jefferson City was in for \$3 days in 2019 from May 21 to July 13. Blood by Output Misson (News Tribune)

Inspired by neighboring lowa's flood-monitoring system, a Missouri group tasked with giving recommenda on building flood resiliency to the governor by the end of the month heard a presentation Wednesday on he state could develop a similar system.



# lowa "light years ahead" with flood forecasting services



NATHAN YOUNG is the Associate Director of the Iowa Flood Center. Young explained his center's leadership of the State of Iowa's development of advanced flood forecasting services to benefit the state's citizens.

### The Gazette

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# Other states look to UI-based Iowa Flood Center for expertise

Texas latest to visit as the Iowa City center's renown grows



















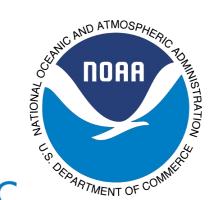






















**FEMA** 











**US Army Corps** of Engineers®



**IOWA STATE UNIVERSITY** 

# IOWA



# Thank you!









www.iowafloodcenter.org