



FLOOD FORECAST INUNDATION MAP

Why should we consider this a valuable tool for reducing the nations' susceptibility to flood hazards?

- A map-book, showing the **continuum** of flood risk.
- **Visual** for where flooding will happen at publicly familiar gage location
- Link for public between forecasts, flood warnings, and **action**
- Knowledge of future flood levels and **when** to flood fight, preventing costly, unnecessary efforts for preparedness
- Tool for **risk informed decision making**
- All-the-time, **continuous** and dependable availability and risk communication (24 hours a day and 7 days a week)
- Nonstructural measure for improving public risk knowledge
- Interagency effort that **leverages existing tools** and abilities of **multiple** agencies with roles in managing flood risks
- Flood map that **does not limit** risk informed decision making to the **regulatory** flood extents or flood elevation
- **Consistent standard** is part of how every single flood forecast inundation map is made, sustaining **public trust**

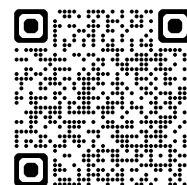
Hosting flood forecast inundation maps (example link)

NOAA National Weather Service, National Water Prediction Service:

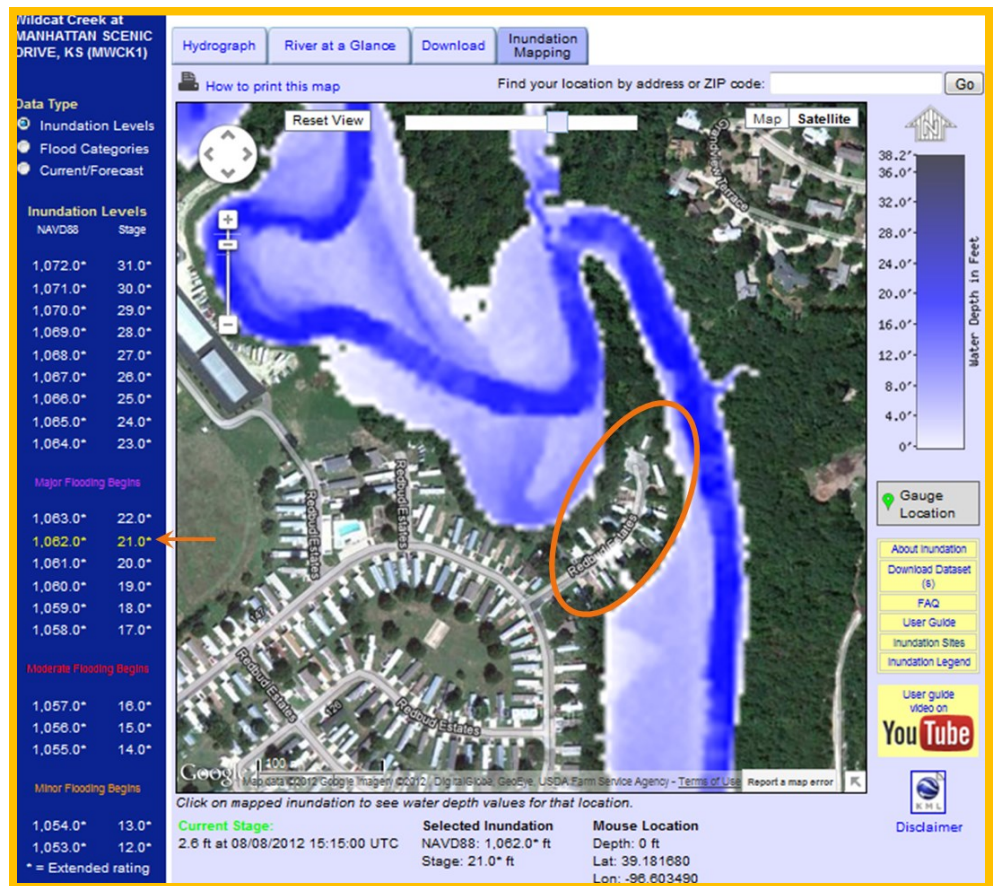
<https://water.noaa.gov/gauges/RSSK1>



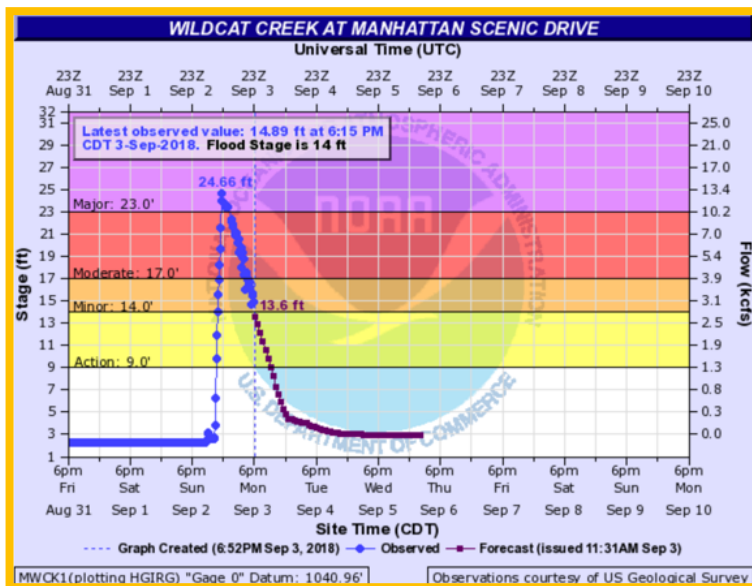
Promoted by Total Flood Risk Management



Be Risk Aware 24-hour 7-days a Week



The Flood Forecast Inundation Map. National Weather Service, USGS, and the Corps of Engineers made this tool for Wildcat Creek in Manhattan, KS. Both elevation and stage can be selected on the left, allowing the user to visualize the area of flood risk. Visit: <http://water.weather.gov/ahps2/inundation/inundation.php?ggage=mwck1>



RESPONSE PHASE. This is an extremely valuable tool for emergency management officials. Using the static inundation map library, the folks at Riley County Emergency Management, Riley County Police Department and City Fire Department are now able to better plan for flood events. Using the tool, they are able to see foot-by-foot flooding in areas to be impacted, properties needing evacuation, streets needing closure, and taking action in a timely manner. All of this improves response times and helps to protect the public better..

Did you know?

When To Take Action on Flooding. The National Water Prediction Service website ties visualizations of flooding extents, especially for forecasted peak runoff, based on National Weather Service's forecasted flood stages. This risk informed decision making tool can prevent needless flood damages and loss of life.

The flood inundation maps are flood warning systems that count toward reducing your entire community's flood insurance premiums under FEMA's Community Rating System (Activity 610). Get credit for all of your community's progressive work to address flooding in the FEMA Community Rating System. Reduce risk while also reducing premiums as much as 45%!