

**USGS Flood Inundation Mapper**  
*Users Guide*

<http://wim.usgs.gov/FIMI/>

*The USGS Flood Inundation Mapper webpage displays flood inundation maps along with their USGS stream conditions and NWS flood warning forecasts. These data, when used together, provide a clear picture of the predicted timing and extent of flooding in communities.*



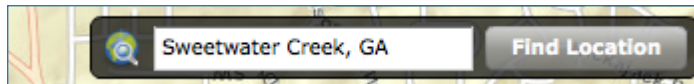
The USGS is partnering with the National Weather Service, United States Army Corps of Engineers and Federal Emergency Management Agency to develop flood inundation maps in locations across the country identified to be at the highest risk for flooding. These maps help identify where the potential threat of floodwaters is greatest, providing key information to Emergency Management officials to help them make quick decisions about when and how to evacuate residents threatened by rising floodwaters. State and local emergency managers will be able to use the interactive tool to better focus flood response and resource recovery and to swiftly assess evacuation routes. The public can also use the mapping application to better understand their personal flood risk and consequences.



*Click to zoom in on individual flood maps.*

Represent locations where flood inundation map libraries exist; Maps for several other areas of the country are in development.

*Search for a specific address by clicking the magnify glass icon.*



*View by Street, Imagery/Labels, Topographic and full screen by selecting appropriate icon.*



*Mouse over map for geographic coordinates,*

making it easy for emergency managers to identify precise locations for current flood hazards.

*Moving the slider to different stream stages shows how the surrounding community would be affected at different water levels.*

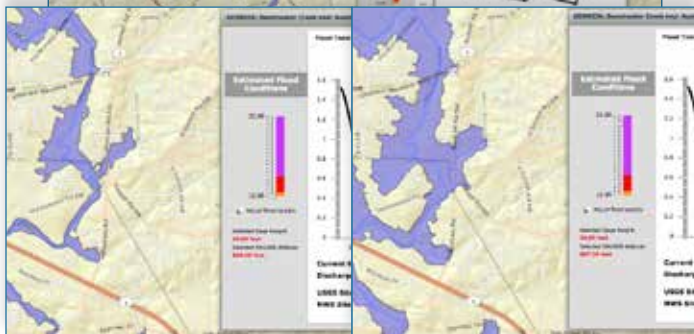
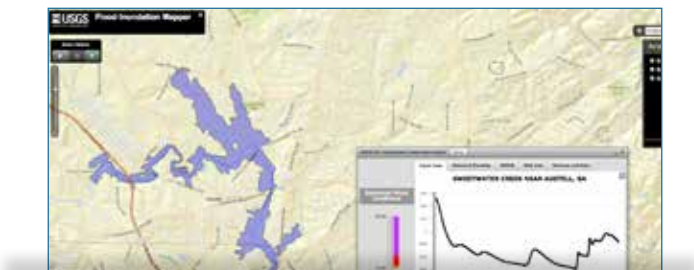
**Colors are based on NWS Flood Categories.**

**Yellow= Action Stage**

**Orange= Minor Flooding**

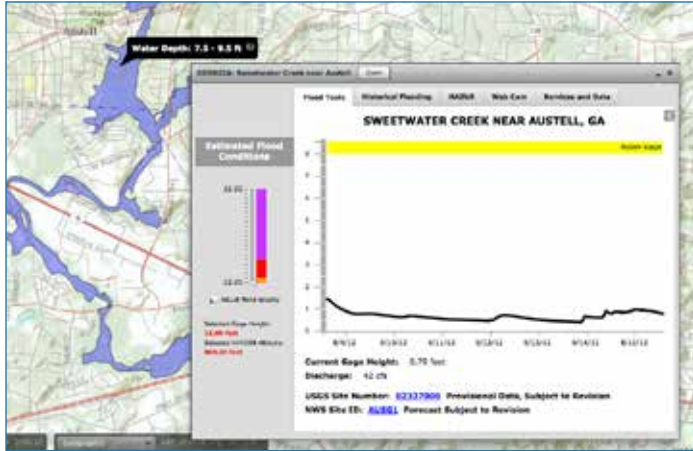
**Red = Moderate Flooding**

**Purple = Major Flooding**



MINOR FLOOD STAGE

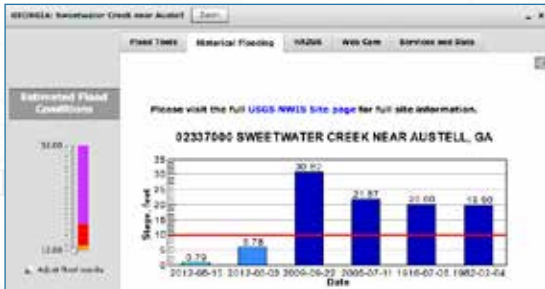
MAJOR FLOOD STAGE



Click in the inundated area to display estimated water depths.

Real time data, records, and other services can be found by clicking the corresponding tabs in the secondary window.

View the real time "hydrograph" for the Sweetwater creek gauge at Austell. During flood events, visible hydrographs are frequently updated to reflect current and predicted flood conditions using the NWS flood prediction services.



USGS records of annual peak floods set the historical context for current flooding.



Hazus loss-estimation software developed by FEMA projects potential physical, economic, and social impacts of flooding for mapped areas. These data can be used to help plan shelters, evacuations, and flood cleanup.



Webcams provide real time images at some sites throughout the country.



Sign up to receive text or email from the USGS when waters are rising in rivers and streams through WaterAlert. You can use the flood inundation maps to determine what WaterAlert threshold to sign up for based on how flood levels will impact your area.