

Today's Presentation



Why Care About Flood Inundation Mapping



What Is Flood Inundation Mapping



Where Can You
Access Flood
Inundation Mapping

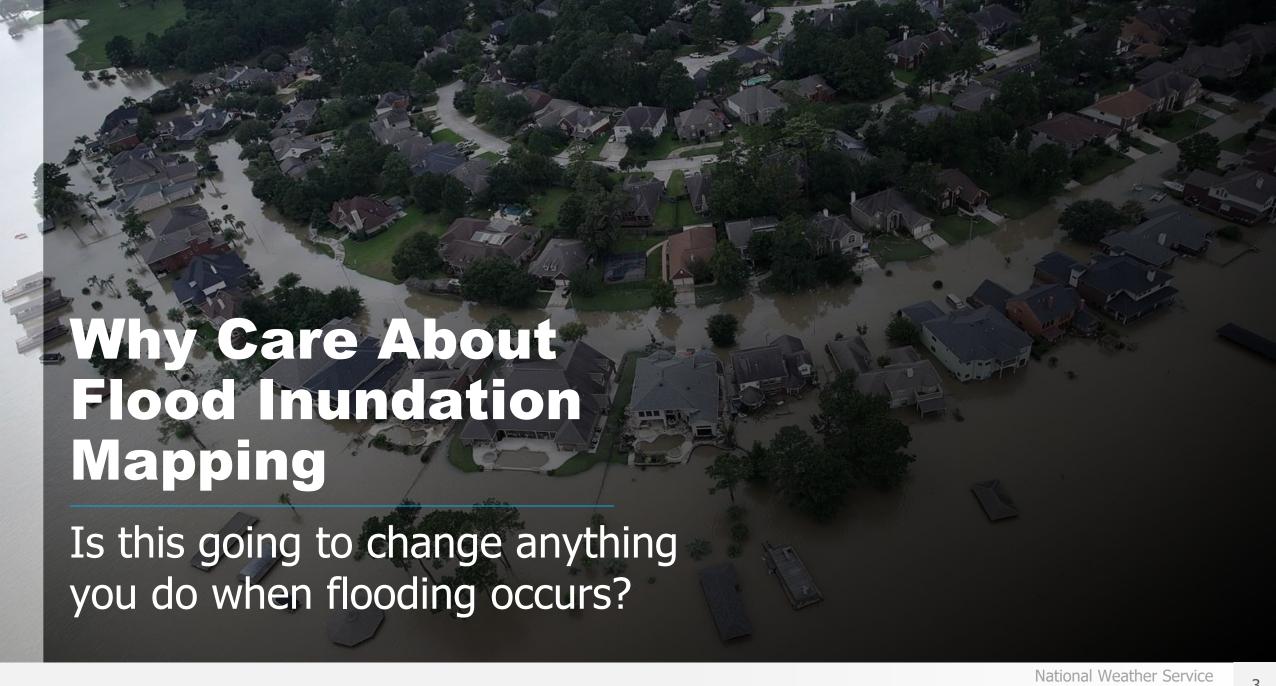


The Goals of Flood Inundation Mapping









Discman to IPod?/MP3 Players

Amazing leap forward going from 10-15 songs to 1,000 songs...and a click wheel!



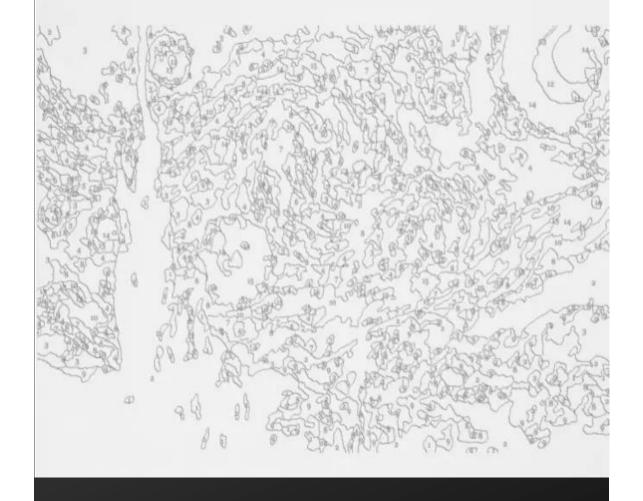




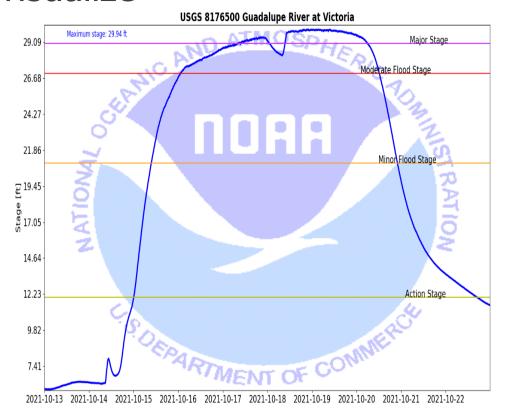


The Future of Flooding

Just like anything else, significant technological leaps are difficult to implement



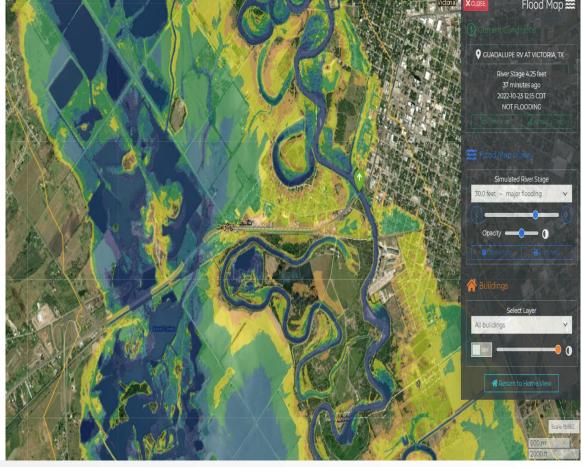
Here you see a diagram, it tells you exactly what you need to know about the picture, but its still hard to visualize the image Similarly, a hydrograph tells you exactly what will be happening in terms of river height and flow, but its hard to visualize

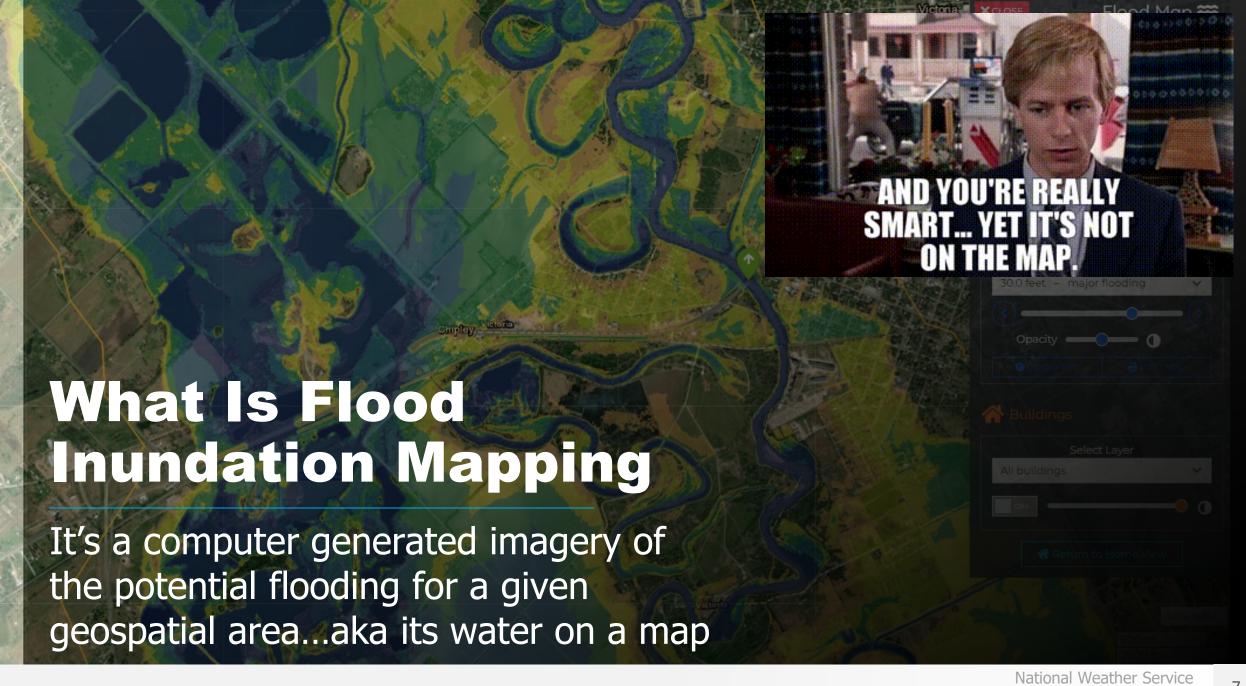




While the diagram before contained the necessary information, there are better ways to visualize the data

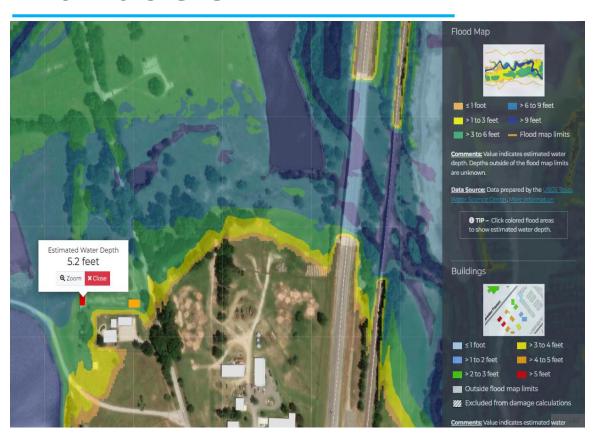
Flood Inundation Maps better visualize the flooding data, so the impact is better interpreted and improves decision making



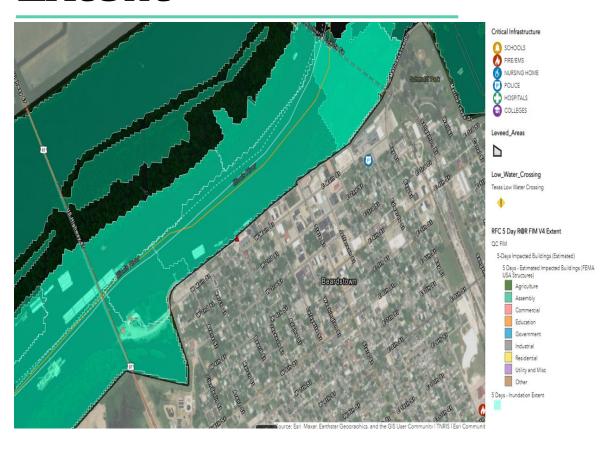


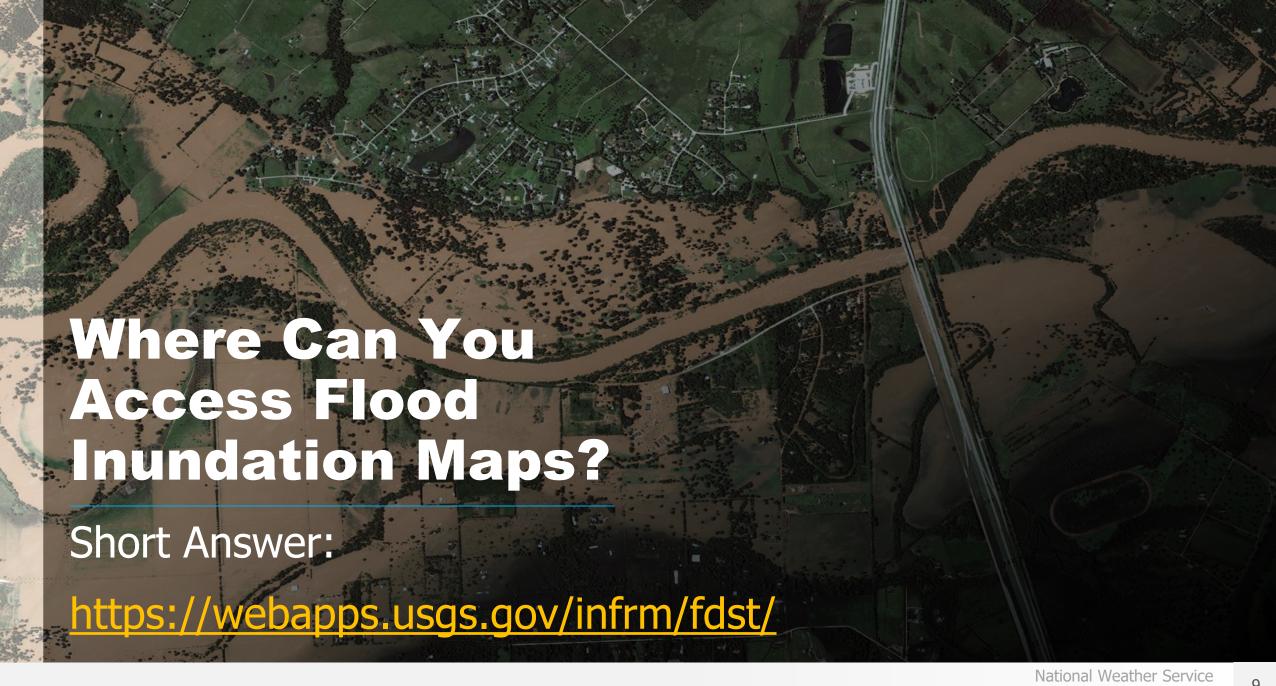
Two Types of Mapping

Inundation



Extent



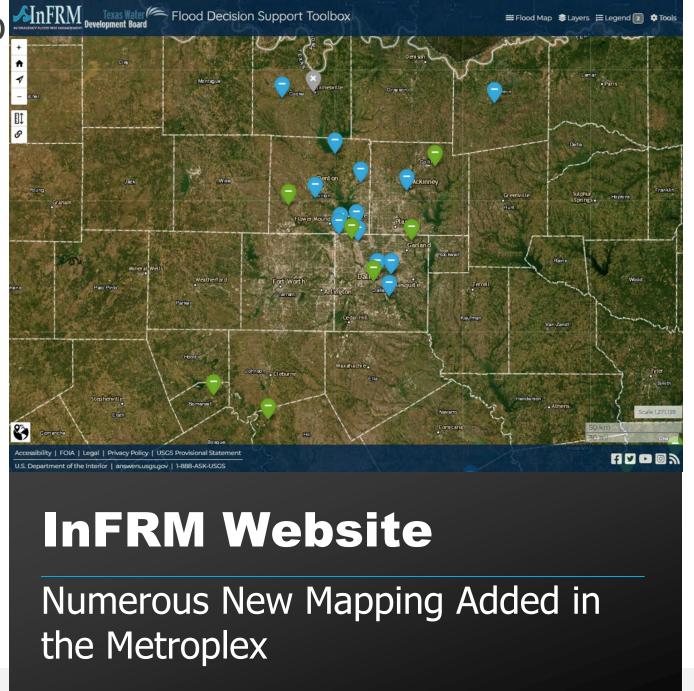


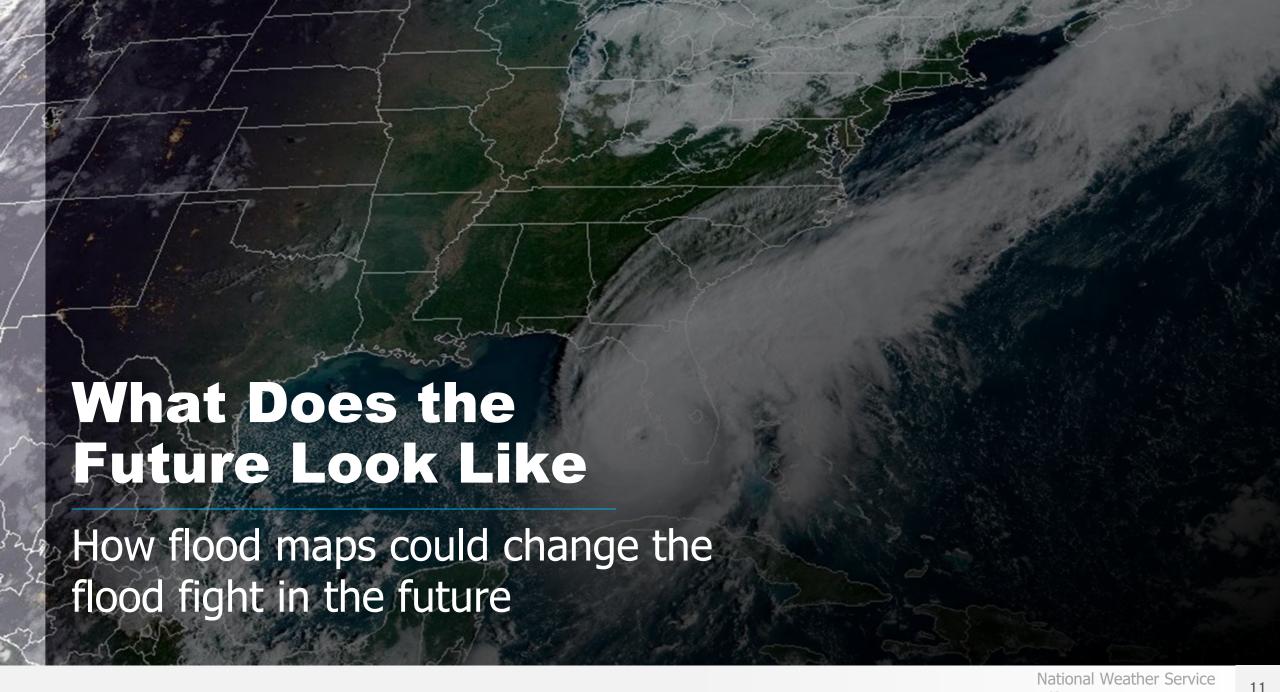
Currently: InFRM is the site to use for Flood Inundation Mapping

 This site is supported by USGS, FEMA, Corps Of Engineers, and the National Weather Service

October 2023: National Weather Service FIM will be available for all streams and rivers

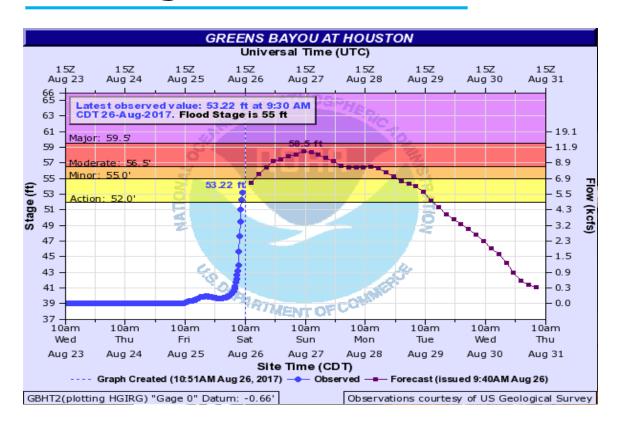
March 2024: Mapping will be available on National Weather Service hydrograph websites



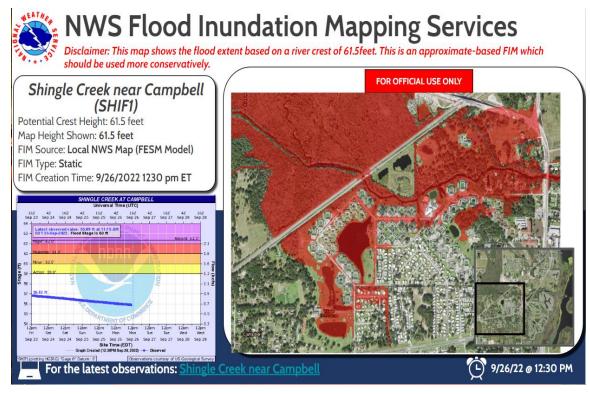


Inundation Mapping Then vs Now

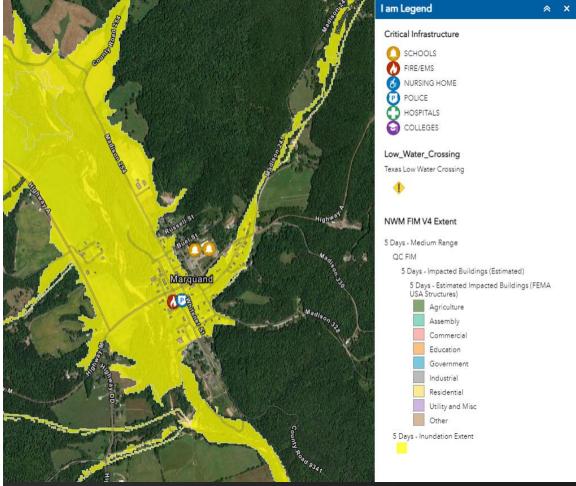
Harvey



lan



*Made Landfall 9/28/22

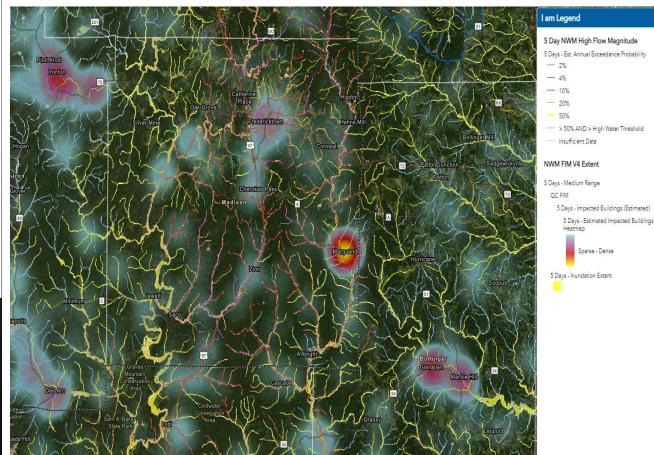


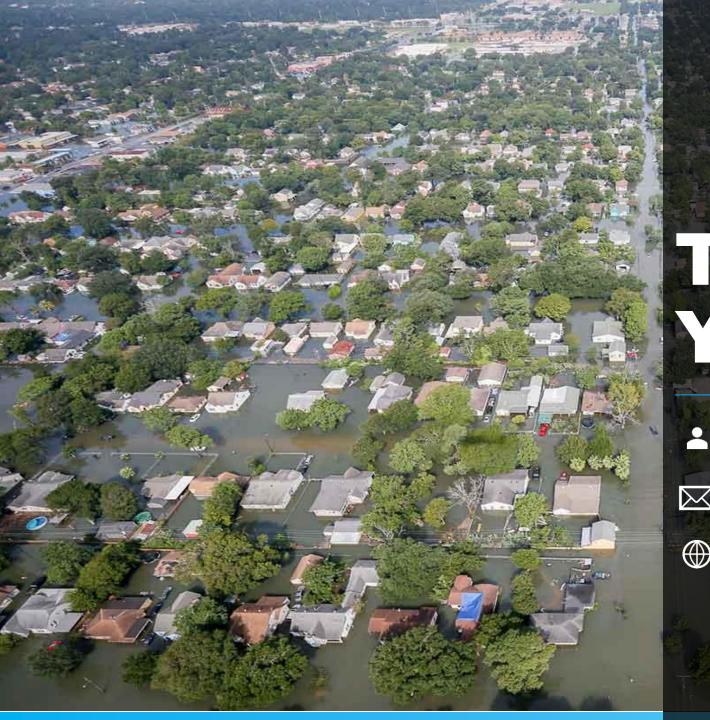
City Level

Knowing what type and how many structures could be threatened days in advance

County Level

Knowing what areas will need resources, or how transportation may be impacted before the first rain drop falls





Thank You

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- https://webapps.usgs.gov/infrm/fdst

