Viewer Details

FLOOD GAUGES: The data presented in this application is collected from both public and private contributors.  Flood gauge readings are acquired from the National Oceanic & Atmospheric Administration's National Weather Service (NOAA NWS). The data within this application is pulled directly from NOAA's database and displayed within this application. The viewer refreshes the flood gauge data from NOAA every 5 minutes however, NOAA may take up to one hour for their gauges to officially update.

The stage levels shown in this viewer are predefined by NOAA and are represented with their default symbology. The stage levels are defined by the water level for each individual gauge relative to their capacity. When a gauge reaches the 'Action' stage level or higher, NOAA will algorithmically produce predictive water depths for the gauge and provide those depths within the graphical charts. These predictive levels are updated every 6 hours by NOAA unless a significant event demands more accurate and immediate information. In which case the predictive water depths may be monitored and updated more frequently. This means the predictive depth readings may vary and change over time. For more information on Flood gauge readings, please visit NOAA's website at:<http://water.weather.gov/ahps/>

WEATHER RADAR: Weather Radar data are acquired from the Aeris Maps Platform (AMP). This is a national dataset displaying rain, snow, and ice precipitation in decibel relative to Z (dBZ) units. By default, the Weather Radar layer displays the most recent still radar. By pressing the “PLAY”button in the bottom left corner of the map, the layer will animate, cycling through 5 still radar captures spanning approximately 4 hours and 10 minutes at approximately 50 minute intervals. The application refreshes the weather radar data from the AMP every 6 minutes. This is the same interval Aeris updates the radar data. For more information on the Weather Radar, please visit Aeris Weather's website at:<https://www.aerisweather.com/>

WEATHER ALERTS: Weather Alerts are acquired from the Aeris Weather API. This is a national dataset of all active US advisories issued by the National Weather Service (NWS). The NWS issues a variety of severe weather warnings, watches, advisories, and statements that may be issued for a single forecast zone or county, or for a large region. The application refreshes the weather alerts data from the Aeris Weather API every 1 minute. For more information on the Weather Alerts, please visit Aeris Weather's website at:<https://www.aerisweather.com/>

LAKE CONDITIONS: Lake Conditions are acquired from the Texas Water Development Board's Water Data for Texas (WDFT) project. This is a Texas statewide dataset displaying current lake water storage levels as part of a graphical display including storage levels up to 13 months before the current date. The application refreshes the weather alerts data from the WDFT database every 30 minutes. For more information on the Lake Conditions, please visit the WDFT website at:<https://waterdatafortexas.org/>  
  
GAUGE NOTIFICATIONS (Subscriptions): The viewer provides the ability for users to “subscribe” to flood gauges to receive alerts when gauge readings are at potentially dangerous levels. These levels are designated as Action, Minor, Moderate, and Major flood stages.  Users may subscribe to any gauge to receive alerts via Short Message Service (SMS) text message or email.

(*Note: TNRIS maintains a strict privacy policy and will never, under any circumstance, share or disclose a user’s contact information with any other entities or utilize their contact information for any purpose other than that for which the user has signed up.*)

A single alert is sent out for each individual gauge when it enters one of the levels mentioned above. As water levels continue to change during a weather event, single alerts will continue to be sent out as a gauge transitions through the various stage levels. A user can subscribe to multiple gauges by the subscribing to each gauge individually.

To unsubscribe from alerts, click the “My Gauge Alerts” button within the left panel of the application. This will open the subscription management dialog where the user can review all the gauges they are currently subscribed. The user can modify or remove any subscription they no longer wish to receive. Subscriptions and alert messages are managed by Amazon Web Services (AWS). 

Alternative to the subscription management dialog, AWS provides default functionality which allows the user to unsubscribe from alerts directly from the alert message itself. Every email alert provides a direct link within the message which you can click to unsubscribe the email address from the gauge which sent the alert.