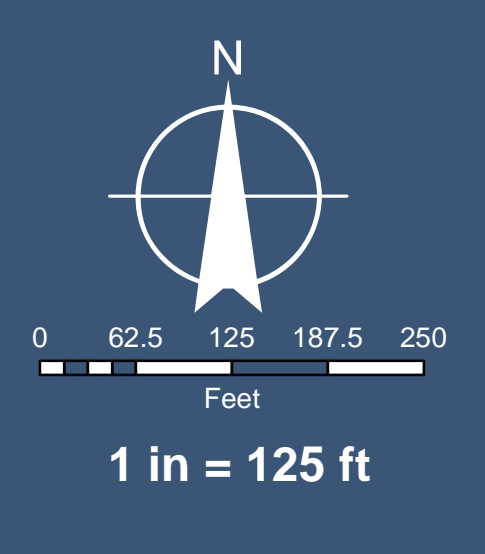
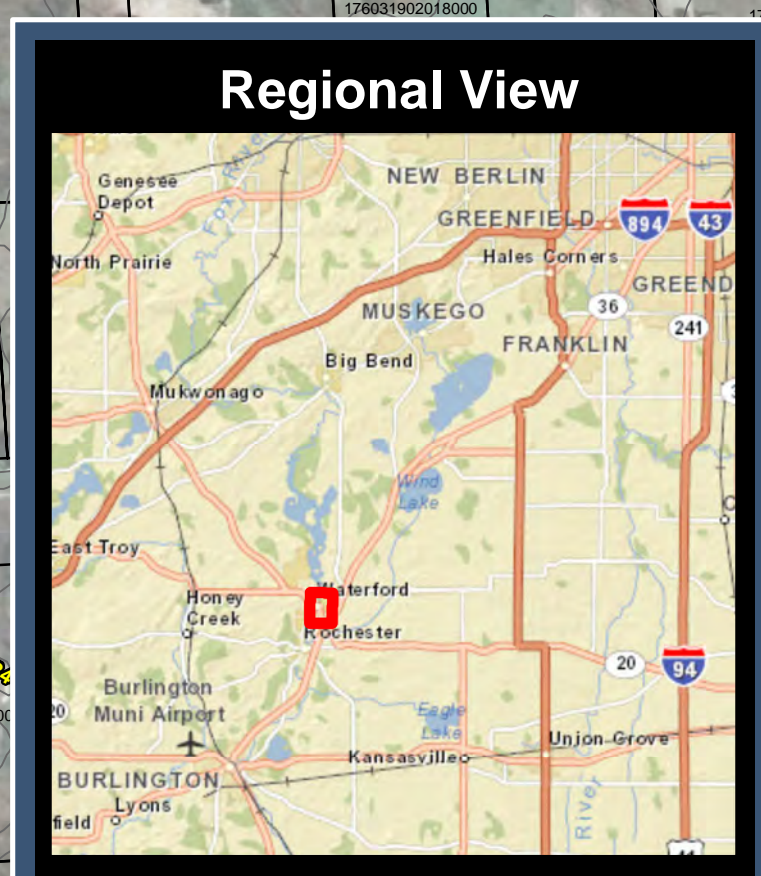


Legend

- Station Points
- ② Potentially Affected Structure
- Dam Failure Hydraulic Cross Sections
- - - Dam Failure Floodway (Widths Calculated From U.S. Army Corps of Engineers HEC-RAS Model)
- ▬ Municipal Limits
- Dam Failure Hydraulic Shadow (Flood Elevations Calculated From U.S. Army Corps of Engineers HEC-RAS Model)
- Regulatory 100-year Floodplain (Flood Elevations From 2012 Flood Insurance Rate Map)

NOTES:

- The extent of the Dam Failure Hydraulic Shadow and the 100 Year Floodplain is based on 2011 Racine County Light Detection And Ranging (LiDAR) aerial survey data. The vertical and horizontal accuracy of the LiDAR files are as follows:
 - The Fundamental Vertical Accuracy (FVA) of the Classified Bare Earth files (LiDAR) for the county achieved an Root Mean Square Deviation (RMSE) of 0.345 feet.
 - The data products were acquired at or below 1700 meters Above Mean Terrain (AMT) and have a horizontal accuracy of 0.31 meters, with a nominal point spacing of 1.3 meters.
- Structures shown within the Dam Failure Hydraulic Shadow, the Dam Failure Floodway or the 100 Year Floodplain could potentially be affected by flood waters and be subject to regulatory conditions. In order to confirm whether a structure is affected, site specific survey data would need to be collected to determine the lowest grade adjacent to the structure. The lowest adjacent grade would then be compared to the flood elevation in the vicinity of the structure as estimated from the nearest cross section.



**HYDRAULIC SHADOW
MAP - EAP**

**WATERFORD DAM
VILLAGE OF WATERFORD
RACINE CO., WISCONSIN**