Flood-Inundation Map for the Saluda River from Old Easley Bridge Road to Saluda Lake Dam near Greenville, South Carolina, Corresponding to a Stage of 15.0 Feet at U.S. Geological Survey Streamgage Saluda River near Greenville, South Carolina (02162500)

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UNCERTAINTIES AND LIMITATIONS FOR USE OF FLOOD-INUNDATION MAPS

Although the flood-inundation maps represent the boundaries of inundated areas with a distinct line, these areas are likely associated with some error. The flood boundaries are estimated based on water surface elevations derived from historical and current flood-plain mapping. Water surface elevations along the stream reaches were estimated by applying the hydraulic modeling, assuming unobstructed flow, and using streamflow and hydrologic conditions anticipated at the USGS streamgages. The hydraulic models reflect the local topography and characteristics of any bridges, culverts, or other hydraulic structures existing as of August 2013. Unique meteorological, seasonal varying, and hydrologic conditions, as well as factors (such as precipitation events) that cause actual streamflows along the modeledreach to vary from those assumed during a flood, which may lead to deviations in the water-surface elevations and inundation boundaries shown. Additional areas may be flooded due to contour or topographic conditions such as changes to the channel or downstream conditions or complex backwater along a river. Inaccuracies in topographic data may also cause the floodwater extent portrayed on these maps to vary with the accuracy of the digital elevation model used. The flood-inundation maps should not be used for navigation, regulatory, permitting, or other legal purposes. The USGS provides these maps "as-is" for a quick reference, emergency planning tool purposes only and does not imply endorsement by the U.S. Government. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government. The flood boundaries shown were estimated for the elevation of a green location (WME) forecast point. Throughout the forecast period (every 6 hours and 3 to 5 days out in many locations), the user should be aware of additional uncertainties that may be observed or forecasted by WME forecast procedures. The NWS uses forecast models to estimate the quantity and timing of water flowing through selected stream reaches in the United States. These factors may cause actual streamflows along the modeledreach to vary from those assumed during a flood, which may lead to deviations in the water-surface elevations and inundation boundaries shown. Additional areas may be flooded due to contour or topographic conditions such as changes to the channel or downstream conditions or complex backwater along a river. Inaccuracies in topographic data may also cause the floodwater extent portrayed on these maps to vary with the accuracy of the digital elevation model used. The flood-inundation maps should not be used for navigation, regulatory, permitting, or other legal purposes. The USGS provides these maps "as-is" for a quick reference, emergency planning tool purposes only and does not imply endorsement by the U.S. Government.

DISCLAIMER

Uncertainties are inherent or factored into NWS forecast procedures. The NWS uses forecast models to estimate the quantity and timing of water flowing through selected stream reaches in the United States. These factors may cause actual streamflows along the modeledreach to vary from those assumed during a flood, which may lead to deviations in the water-surface elevations and inundation boundaries shown. Additional areas may be flooded due to contour or topographic conditions such as changes to the channel or downstream conditions or complex backwater along a river. Inaccuracies in topographic data may also cause the floodwater extent portrayed on these maps to vary with the accuracy of the digital elevation model used. The flood-inundation maps should not be used for navigation, regulatory, permitting, or other legal purposes. The USGS provides these maps "as-is" for a quick reference, emergency planning tool purposes only and does not imply endorsement by the U.S. Government.

Suggested citation:

Pamphlet accompanies map

U.S. Geological Survey streamgage and number and National Weather Service forecast site.