Flood-Inundation Map of Suwanee Creek in Gwinnett County, GA, Corresponding to a Gage Height of 10.0 Feet and an Elevation of 919.9 Feet (NAVD 88) at U.S. Geological Survey Streamgage Suwanee Creek at Suwanee, GA (02334885)

Disclaimer for Flood-Inundation Maps

Inundated areas shown should not be used for navigation, regulatory, permitting, or similar legal purposes. The USGS provides these maps "as is" for quick reference—emergency planning and flood mapping, and to support public discussions and decision making. The inundated areas were generated using estimates of water-surface elevations and streamflows at selected USGS streamgages. Water-surface elevations along the stream reaches were estimated by steady-state hydraulic modeling, assuming unobstructed flow and using streamflows and hydrologic conditions anticipated at the USGS streamgages. The hydraulic model reflects the land cover and any bridge, dam, levee, or other hydraulic structures existing as of October 2011. Although the flood-inundation maps represent the boundaries of inundated areas with a distinct line, some uncertainty is associated with these maps. The flood-inundation maps do not capture all areas inundated from overbank flooding or backwater from major tributaries or from localized debris or ice jams. The accuracy of the flood-water extent portrayed on these maps will vary with the accuracy of the digital elevation model used to simulate the land surface. Additional uncertainties and limitations pertinent to the study are described in the documentation accompanying this set of flood-inundation maps.

If this series of flood-inundation maps will be used in conjunction with National Weather Service (NWS) river forecasts, the user should be aware of additional uncertainties that may be 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 forecast models use estimates generated by precipitation and snowmelt and predictions of runoff and streamflow contributions from upstream watersheds. The NWS issuing the flood forecast uses these estimates to make predictions of flood stage (water-surface elevation) for the stream at a given location (Advanced Hydrologic Prediction Service [AHPS] forecast point) throughout the forecast period (every 6 hours and 3–5 days out in many locations). For more information on AHPS forecasts, please visit: http://water.weather.gov/ahps/pcpn_and_river_forecasting.pdf.