Flood-Inundation Map of Suwanee Creek in Gwinnett County, GA, Corresponding to a Gage Height of 8.0 Feet and an Elevation of 917.9 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 U.S. Geological Survey provides these maps "as-is" for quick reference, emergency planning, and rapid response; the user assumes all responsibility for the use of this information.

Uncertainties and Limitations for Use of Flood-Inundation Maps
Although the flood-inundation maps represent the boundaries of inundated areas with a distinct line, some uncertainty is associated with these maps. The flood boundaries shown were estimated based on 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 by using precipitation and streamflow conditions estimated for the flood event of interest. The hydraulic model reflects the land-cover characteristics and any bridge, dam, or other hydraulic structures existing as of October 2011. Additional uncertainties and limitations pertain to the models used to estimate the extent of flooded areas.

Additional uncertainties and limitations pertinent to the use of flood-inundation maps are described in the document 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 assume the amount of precipitation falling on the drainage basin and the rate at which this precipitation runs off. Several models are used to produce river forecasts and flood warnings. For more information on NWS forecasts, please see: http://water.weather.gov/ahps/pcpn_and_river_forecasting.pdf.