Flood-Inundation Map of Suwanee Creek in Gwinnett County, GA, Corresponding to a Gage Height of 9.5 Feet and an Elevation of 919.4 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 or first responses to legal suitability or responsibility resulting from 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 are based on many stages at selected streamgages and are derived from USGS stage-discharge relationships. Flood boundaries along the stream reaches were estimated by steady-state hydraulic modeling assuming unobstructed flow, and using meteorological and hydrological conditions assumed to be the same conditions that may have been in place during the flood event. The flood stage-discharge relationships used were developed with stormwater inflow considered, which may flood areas not shown in the flood-inundation boundary shown. Additional areas may be flooded due to unexpected conditions such as changes in the streambed or accumulation of debris. These uncertainty and limitations also apply where the inundation map is composed of the data of flood-inundation maps. Additional uncertainties and limitations apply to the maps in determining the extent of inundation for the set of flood-inundation maps.

If the user of the flood-inundation maps will use the inundation maps 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 do not consider the actual flood generated by precipitation and runoff. A coordinate system of the National Cartesian Coordinate System of the United States (NAD 1983 CS) is used. For more information about NWS forecasts, please see: http://water.weather.gov/ahps/pcpn_and_river_forecasting.pdf.