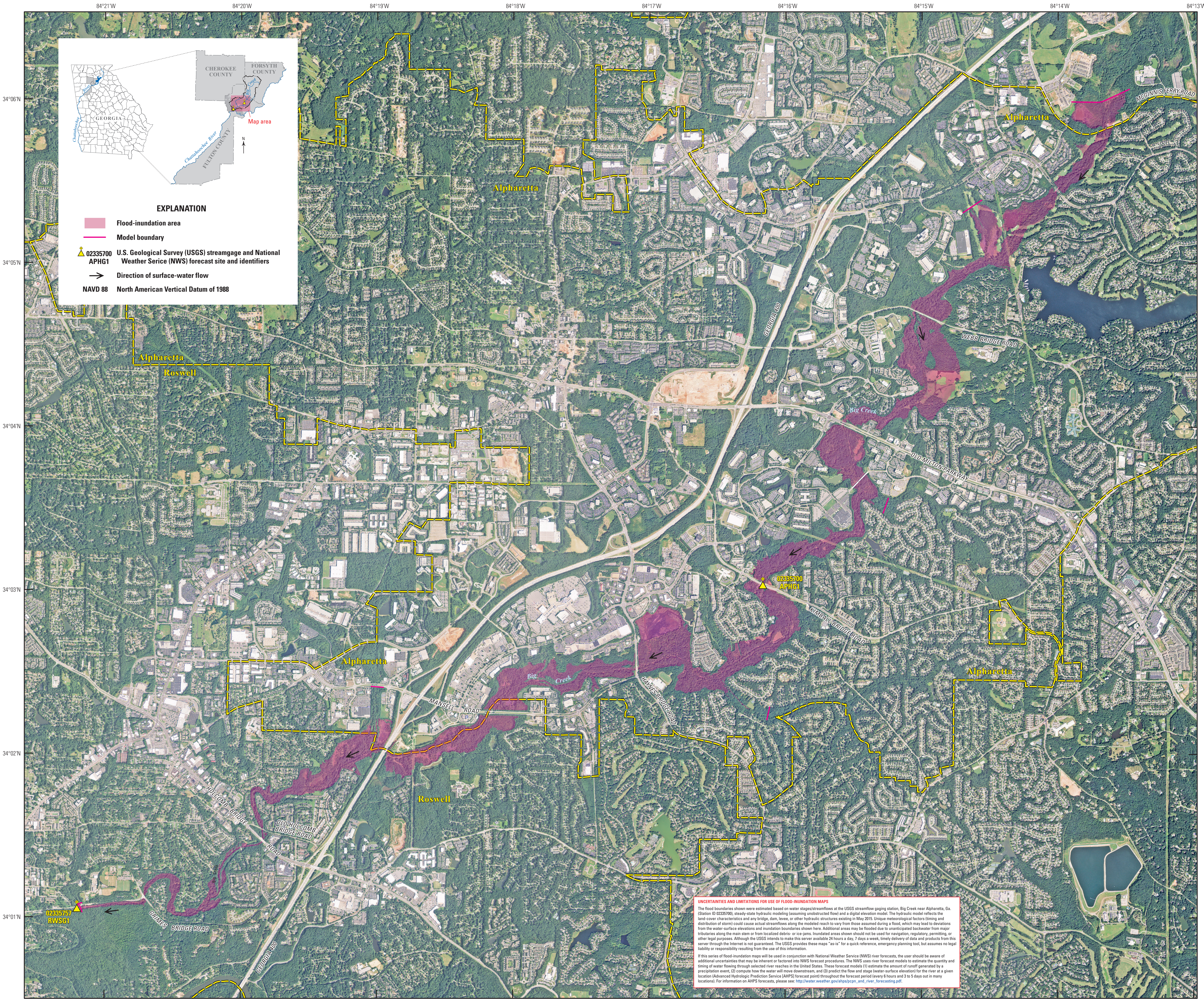
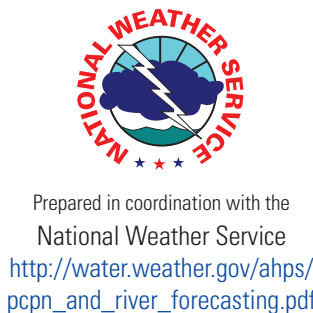




Projection: Transverse Mercator
State Plane Coordinate System Georgia West, FIPS 1002
North American Datum of 1983 (NAVD 83)
Orthography from U.S. Department of Agriculture Geospatial Gateway,
2013, available at <https://gdg.sc.egov.usda.gov/>

Suggested citation:
Messer, J.W., 2015. Flood-inundation maps for Big Creek from the
McGinnis Ferry Road Bridge to the confluence of Hog Wallow Creek,
Alpharetta and Roswell, Georgia: U.S. Geological Survey Scientific
Investigation Map 3338, 19 sheets, 10 p. pamphlet.
<http://dx.doi.org/10.3133/sim3338>

ISSN 2229-132X (online)



Prepared in coordination with the
National Weather Service
<http://water.weather.gov/ahps/>
pcpn_and_river_forecasting.pdf

UNCERTAINTIES AND LIMITATIONS FOR USE OF FLOOD-INUNDATION MAPS

The flood boundaries shown were estimated based on water stages/streamflows at the USGS streamflow gaging station, Big Creek near Alpharetta, Ga. (Station ID 02335700), steady-state hydraulic modeling (assuming unobstructed flow) and a digital elevation model. The hydraulic model reflects the land-cover characteristics and any bridge, dam, levee, or other hydraulic structures existing in May 2015. Unique meteorological factors (timing and distribution of storm) could cause actual streamflows along the modeled reach to vary from those assumed during a flood, which may lead to deviations from the water surface elevations and inundation boundaries shown here. Additional areas may be flooded due to unanticipated backwater from major tributaries along the main stem or from localized debris- or ice-jams. Inundated areas shown should not be used for navigation, regulatory, permitting, or other legal purposes. Although the USGS intends to make this server available 24 hours a day, 7 days a week, timely delivery of data and products from this server through the Internet is not guaranteed. The USGS provides these maps "as-is" for a quick reference, emergency planning tool, but assumes no legal liability or responsibility resulting from the use of this information.

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 river forecast models to estimate the quantity and timing of water flowing through selected river reaches in the United States. These forecast models (1) estimate the amount of runoff generated by a precipitation event; (2) compute how the water will move downstream; and (3) predict the flow and stage (water-surface elevation) for the river at a given location (Advanced Hydrologic Prediction Service (AHPS) forecast point) throughout the forecast period (every 6 hours and 3 to 5 days out in many locations). For information on AHPS forecasts, please see: http://water.weather.gov/ahps/pcpn_and_river_forecasting.pdf.

DISCLAIMER
Inundated areas shown 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 but assumes no legal liability or responsibility resulting from the use of this information.

Publishing support provided by Raleigh and Rolla Publishing Service Centers
Manuscript approved for publication July 31, 2015
For more information concerning this publication, contact:
Director
U.S. Geological Survey
South Atlantic Water Science Center
720 Gracem Road
Columbia, SC 29210
Or visit the South Atlantic Water Science Center Web site at
<http://www.usgs.gov/water/southatlantic/>
This report is available at: <http://dx.doi.org/10.3133/sim3338>
For more information on the USGS—the Federal source for science about the Earth, its natural and living resources, natural hazards, and the environment—visit <http://www.usgs.gov/> or call 1-888-ASK-USGS (1-888-275-8747).
For an overview of USGS information products, including maps, imagery, and publications, visit <http://www.usgs.gov/products/>
Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Flood-Inundation Map of Big Creek in Alpharetta and Roswell, Georgia, Flood Corresponding to a Stage of 9.5 Feet and an Elevation of 970.1 Feet (NAVD 88) at the U.S. Geological Survey Streamgage Number 02335700 near Alpharetta, Georgia