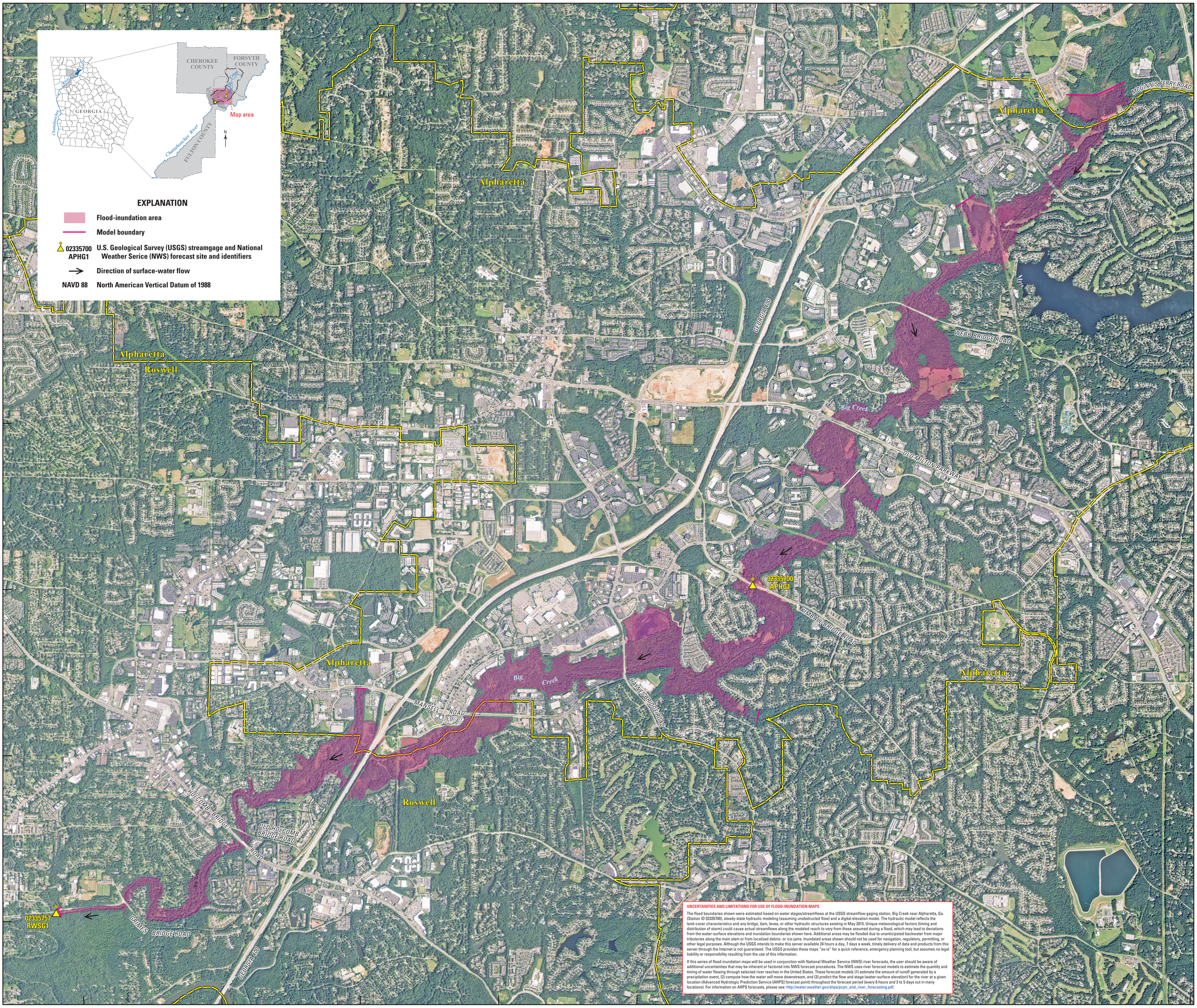

UNCERTAINTIES AND LIMITATIONS FOR USE OF FLOOD-INUNDATION MAPS

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.

Projection: Transverse Mercator
State Plane Coordinate System Georgia West, FIPS 1002
North American Datum of 1983 (NAD 83)

Orthography from U.S. Department of Agriculture Geospatial Gateway, 2013, available at https://gdg.sc.egov.usda.gov/

5,000 2,500 0 5,000 FEET

1,000 500 0 1,000 METERS

NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)

DISCLAIMER
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http://water.weather.gov/ahps/pcpn_and_river_forecasting.pdf

Flood-Inundation Map of Big Creek in Alpharetta and Roswell, Georgia, Flood Corresponding to a Stage of 13.0 Feet and an Elevation of 973.6 Feet (NAVD 88) at the U.S. Geological Survey Streamgage Number 02335700 near Alpharetta, Georgia

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