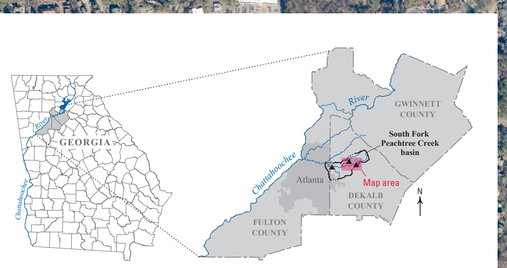
U.S. Department of the Interior
U.S. Geological Survey

Prepared in cooperation with
DeKalb County, Georgia

Scientific Investigations Map 3347
Sheet 1 of 13
Pamphlet accompanies map

84°18'00" W 84°17'30" W 84°17'00" W 84°16'30" W 84°16'00" W 84°15'30" W 84°15'00" W 84°14'30" W 84°14'00" W

33°49'30" N
33°49'00" N
33°48'30" N
33°48'00" N



EXPLANATION

- Flood-inundation area
- Model boundary
- 02336152 SFPG1 — U.S. Geological Survey (USGS) streamgage and National Weather Service (NWS) forecast site and identifiers
- Direction of surface-water flow
- NAVD 88 — North American Vertical Datum of 1988

LAWRENCEVILLE HIGHWAY
285
BROCKETT ROAD
STONE MOUNTAIN FREEWAY
South Fork Peachtree Creek
WILD CIRCLE
MONTREAL ROAD
MCLENDON DRIVE
78
NORTH DRUID HILLS ROAD
CEDAR CREEK
PKWY
CREEKDALE DRIVE
02336152 SFPG1
Clarkston
CASA DRIVE
EAST PONCE DE LEON AVENUE
WILLIVEE DRIVE
Area of greater uncertainty
South Fork Peachtree Creek
ORION DRIVE
VALLEY BROOK ROAD
LAWRENCEVILLE HIGHWAY

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, South Fork Peachtree at Casa Drive, near Clarkston, Ga. (Station ID 02336152), 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 June 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 Atlanta Regional Commission, 2015

2,000 1,000 0 2,000 FEET
500 250 0 500 METERS

NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88)

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

Flood-Inundation Map of South Fork Peachtree Creek in DeKalb County, Georgia, Flood Corresponding to a Stage of 6.0 Feet and an Elevation of 938.2 Feet (NAVD 88) at the U.S. Geological Survey Streamgage Number 02336152 near Clarkston, Georgia

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