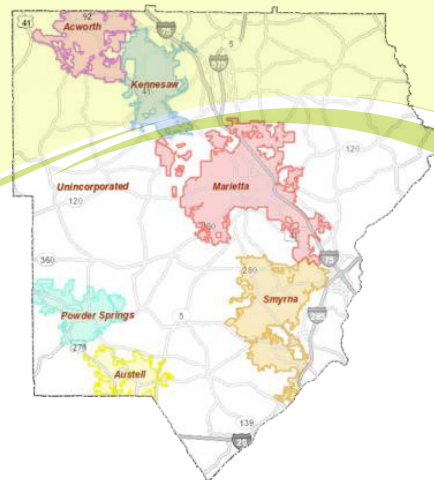


COBB COUNTY WATER SYSTEM

Stormwater Management



Maps

Below are links to the USGS website & NWISWeb mapper program that display streamflows around Cobb County in real time:

- [Click here to view streamflow monitoring gauges](#)
- [Click here to view a tabular list of the stream sites](#)
- [Click here to view stream sites via webcams](#)
- [Click here to sign up for text or email for WaterAlert](#)
- [Click here to sign up for text or email for current-conditions water data](#)

Note: The below maps require Adobe PDF Reader to open. Some files are large and will require a few moments to load).

- [Biological Monitoring Site \(HUC-12 areas\)](#)
- [Chemical Monitoring Stations](#)
- [Rainfall Gaging Station](#)
- [USGS Streamflow Monitoring Stations](#)
- [Cobb County Undeveloped Land Inventory](#)

Flood Maps

- [Effective FEMA Flood Insurance Study Maps](#)
- [Cobb County Search FEMA Floodplain](#)

Below is a link to the Georgia EPD map modernization website (once on the website, enter your address in the *Identify your flood risk* search box):

- www.georgiadfirm.com

Helpful Links

- FEMA - www.fema.gov
 - [FEMA'S National Flood Hazard Layer Viewer.](#)
- National Flood Insurance Program - www.fema.gov/business/nfip
- FloodSmart - www.floodsmart.gov

COBB COUNTY WATER SYSTEM

Stormwater Management

What is a flood depth grid?

A flood depth grid is a digital data set composed of grid cells, with each grid cell showing the depth of flooding (usually in feet) for a particular location. Flood depth grids correspond with a probabilistic flooding event. For Cobb County, flood depth grids have been developed for the 20%, 10%, 4%, 2%, 1%, and 0.2% annual chance floodplain. The area covered by the 1% annual chance flood is also known as the Special Flood Hazard Area, or SFHA and represents an area at high risk of flooding. The SFHA is mapped on the Flood Insurance Rate Map (FIRM) for communities such as Cobb County participating in the Federal Emergency Management Agency's National Flood Insurance Program.

How is a flood depth grid created?

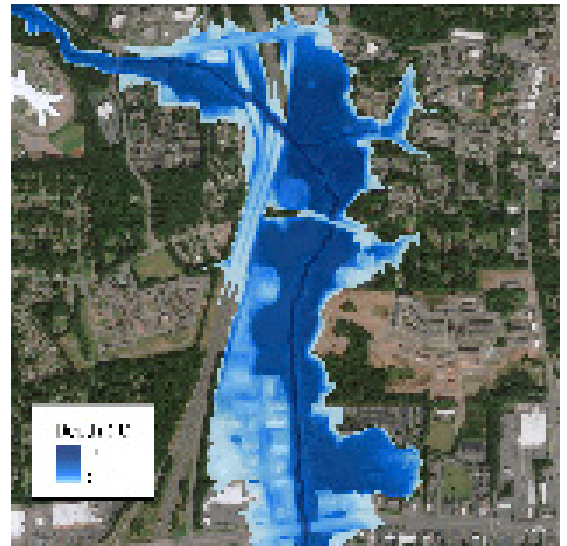
There are two sources of data required to make the flood depth grid:

- The flood elevation data is derived from the hydraulic modeling used to establish the SFHA boundary and Base (1% annual chance) Flood Elevations presented on the FIRM.
- The ground elevation data is derived from detailed topographic information available for the area.

Once the two data sets are converted to a digital grid format, the flood depth grid is created by calculating the difference between the Base Flood Elevation and the actual elevation of the ground for the area covered by each grid cell.

What is a flood depth grid used for?

Flood depth grids are often used by communities to help people better understand the flood risk in a particular area, and for other purposes related to planning and emergency management. For example, a depth grid can show the extent of flooding anticipated under the 1% annual chance flood event and the expected depth of those flood waters.



A FLOOD DEPTH GRID IS MADE UP OF MANY DIFFERENT GRID CELLS WHICH SHOW THE EXPECTED DEPTH OF THE FLOODING AT A PARTICULAR LOCATION ON THE GROUND.

For More Information

For more information about flood depth grids or flood analysis, please contact the Cobb County Water System Stormwater Management Division.

680 South Cobb Drive, Marietta, GA 30060

Phone: (770) 419-6435

Flood depth grids for Cobb County are available to download from the FEMA Flood Map Service Center: <https://msc.fema.gov/portal/advanceSearch>
Enter 13067C in the FEMA ID Box, and select Flood Risk Products in the search results. The depth grids are included in the Flood Risk Database.