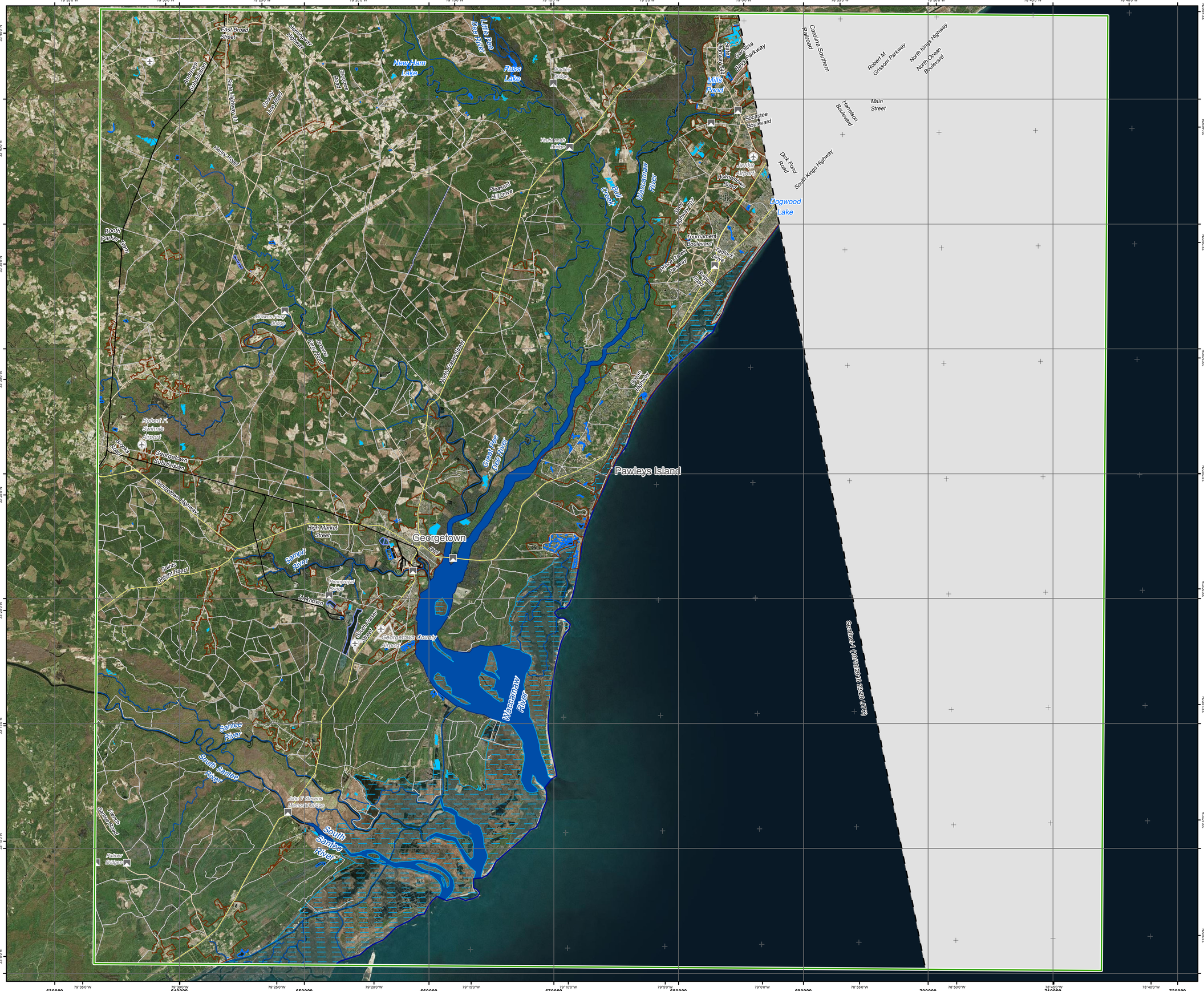


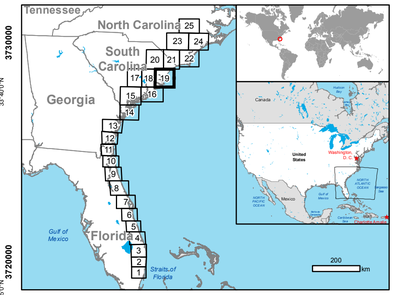
GLIDE number: N/A

Activation ID: EMSR186
Product N.: 19GEORGETOWN, v1, English

Georgetown - UNITED STATES

Tropical Cyclone - Situation as of 10/10/2016

Delineation Map



Cartographic Information

1:140000 Full color ISO A1, medium resolution (200 dpi)

0 2.75 5.5 11 km

Grid: WGS 1984 UTM Zone 17N map coordinate system
Tick marks: WGS 84 geographical coordinate system

N

Legend

Crisis Information
- *Flooded Area (10/10/2016 23:20 UTC)*

General Information
- Area of Interest
- Sensor Footprint
- Missing data

Settlements
- Populated Place
- Built-Up Area

Hydrology
- Coastline
- River
- Land Subject to Inundation
- Lake
- Reservoir
- River

Transportation
- Aerodrome
- Bridge
- Helipad
- Railway
- Runway
- Motorway
- Primary Road
- Secondary Road
- Local Road
- Aerodrome

Consequences within the AOI

	Unit of measurement		Affected	Total in AOI
Flooded area		ha		758.3
Estimated population	No. of inhabitants		367	191045
Settlements	Residential	ha	73.2	37226.2
Transportation	Motorways	km	0.0	21.5
	Primary roads	km	0.0	259.2
	Secondary roads	km	0.0	234.3
	Local roads	km	0.6	1691.7
	Railways	km	0.0	101.5
	Runway	ha	0.0	27.7
	Bridge	No.	0	17
	Heliport	No.	0	1
	Aerodrome	ha	0.0	420.9

Map Information

Hurricane Matthew is an ongoing very powerful tropical cyclone over the Caribbean and Atlantic Ocean. Since forming on 28 September 2016, it has severely impacted Haiti, and to a lesser extent Jamaica, Cuba, the Dominican Republic, the Bahamas and the Lesser Antilles. It is expected to significantly impact the southeastern United States, especially the U.S. state of Florida, as well as Georgia, South Carolina, and North Carolina. Heavy rains, strong winds and storm surge may affect the areas along its path. The effects of the storm will be unlike any hurricane in decades, the U.S. weather service reports

The present map shows the storm delineation in the area of Georgetown (USA). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	06/10/2016	Situation as of	10/10/2016
Activation	06/10/2016	Map production	11/10/2016

Data Sources

Pre-event image: ESRI World Imagery © CNES/Airbus DS (acquired on 27/04/2015, GSD 1.0 m, cloud coverage 0%).

Post-event image: Sentinel-1A (acquired on 10/10/2016 23:20 UTC, GSD 10 m) provided by the European Space Agency.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: Landscan 2010 © UT BATTELLE, LLC
Digital Elevation Model: SRTM 90m (NASA/USGS)

Disclaimer

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Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.
Map produced by GAF AG released by e-GEOS (ODO).

For the latest version of this map and related products visit
http://emergency.copernicus.eu/mapping/list-of-components/EMSR186

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