GLIDE number: N/A

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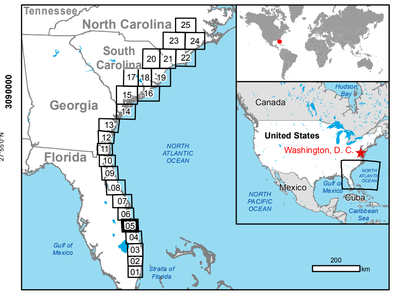
Sebastian - UNITED STATES
Tropical Cyclone - Situation as of 09/10/2016
Delineation Map - Monit01



Cartographic Information

1:100000

Full color ISO A1, medium resolution (200 dpi)

0 2 4 8 km

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

N

Legend

Crisis Information
- Flooded Area (09/10/2016 23:29 UTC)
- Flooded Area (07/10/2016 23:44 UTC)

General Information
- Area of Interest

Settlements
- Populated Place
- Built-Up Area

Hydrology
- River
- Stream
- Lake
- Reservoir

Transportation
- Aerodrome
- Railway
- Motorway
- Primary Road
- Secondary Road
- Local Road

Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Flooded area	ha		3485.6	
Estimated population	No. of inhabitants		238	166201
Transportation	Motorways	km	0	167
	Primary roads	km	0	297.6
	Secondary roads	km	0	140.6
	Local roads	km	0	357.8
	Railway	km	0	50.9
	Aerodrome	No.	0	2

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 wind storm delineation in the area of Sebastian (United States of America). 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	09/10/2016
Activation	06/10/2016	Map production	10/10/2016

Data Sources

Pre-event image: ESRI World Imagery © Digitalglobe (acquired on 20/05/2015, GSD 5 m, 0% cloud coverage, 0° off-nadir angle)

Post-event image: Sentinel-1A © (acquired on 09/10/2016 23:29, GSD 20 m) provided by the European Space Agency.
RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2016) (acquired on 07/10/2016 23:43 UTC, GSD 25 m) – RADARSAT is an official mark of the Canadian Space Agency – provided under the International Charter.

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

Disclaimer

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.
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 SERTIT 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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