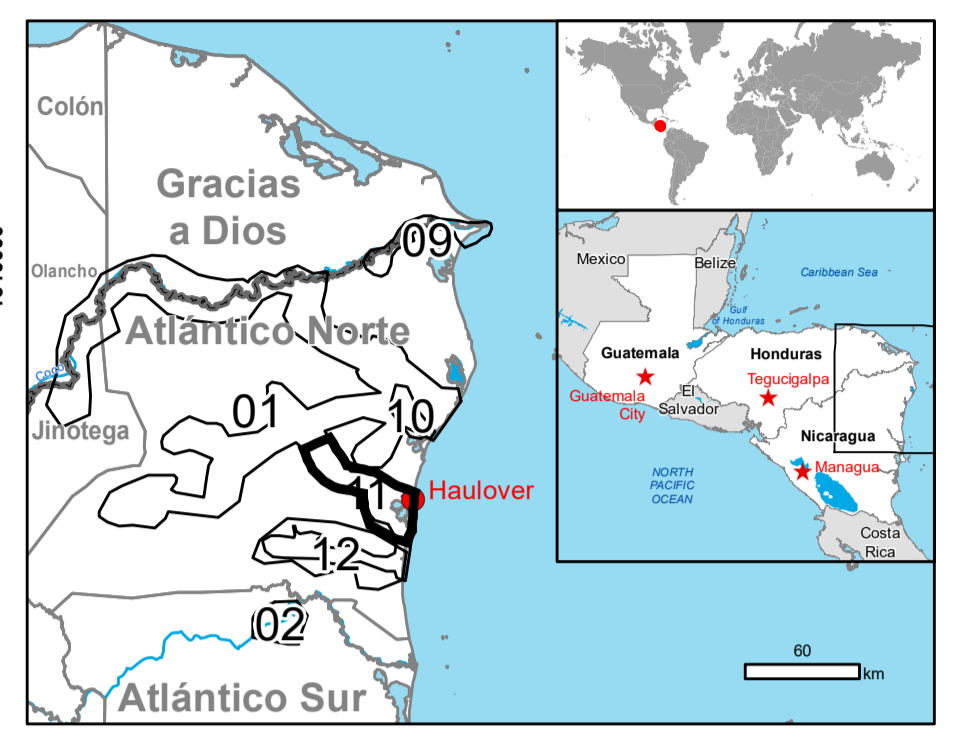


Haulover - GUATEMALA, HONDURAS, NICARAGUA

Flood - Situation as of 22/11/2020

Delineation - Overview map 01



Cartographic Information

1:100000 Full color A1, 200 dpi resolution



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

Legend

- | | | |
|-------------------------------------|-----------------------|--|
| Crisis Information | Hydrography | Land Use - Land Cover |
| Flooded Area (22/11/2020 22:57 UTC) | Lake | Features available in the vector package |
| General Information | River | |
| Area of Interest | Transportation | |
| Placenames | Cart Track | |
| Placename | | |
| Built-Up Area | | |
| Residential | | |

Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Flooded area		ha	3567.8	
Estimated population		Number of inhabitants	0.0	16231
Settlements	Residential Buildings	ha	0.0	NA
Transportation	Cart Track	km	0.0	NA
Land use	Forests	ha	1835.7	81744.4
	Shrub and/or herbaceous vegetation association	ha	1706.0	23342.6
	Inland wetlands	ha	2.0	6924.3
	Other	ha	24.1	9861.4

Map Information

Hurricane Iota is an extremely strong hurricane bringing very high levels of rainfalls to Honduras, Nicaragua and Guatemala. The risk of flooding is extremely high and many 20yr+ returns are to be expected as soil is already saturated by the passage of a previous hurricane (Eta) less than two weeks ago.

The present map shows the flood delineation in the area of Haulover (Nicaragua). The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

The estimated geometric accuracy (RMSE) is 30 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	Date	Situation as of	Date
Activation	17/11/2020 00:00	17/11/2020 14:23	22/11/2020 22:57
		Map production	23/11/2020

Data sources

Pre-event images: Sentinel-2A/B (2019/2020) (acquired on 26/01/2020 at 16:05 UTC, GSD 10 m, approx. 15% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.

Post-event image: COSMO-SkyMed © ASI (2020), distributed by e-GEOS S.p.A. (acquired on 22/11/2020 at 22:57 UTC, GSD 30 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, GeoNames 2015, Globe Land 3D (2010), Global Administrative Areas (2012), refined by the producer.

Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2019
https://ghsl.jrc.ec.europa.eu/ghs_pnp2019.php
 Digital Elevation Model: SRTM (30 m) (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.

Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by SERTIT released by SERTIT (ODO).

For the latest version of this map and related products visit <https://emergency.copernicus.eu/EMSR482>

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