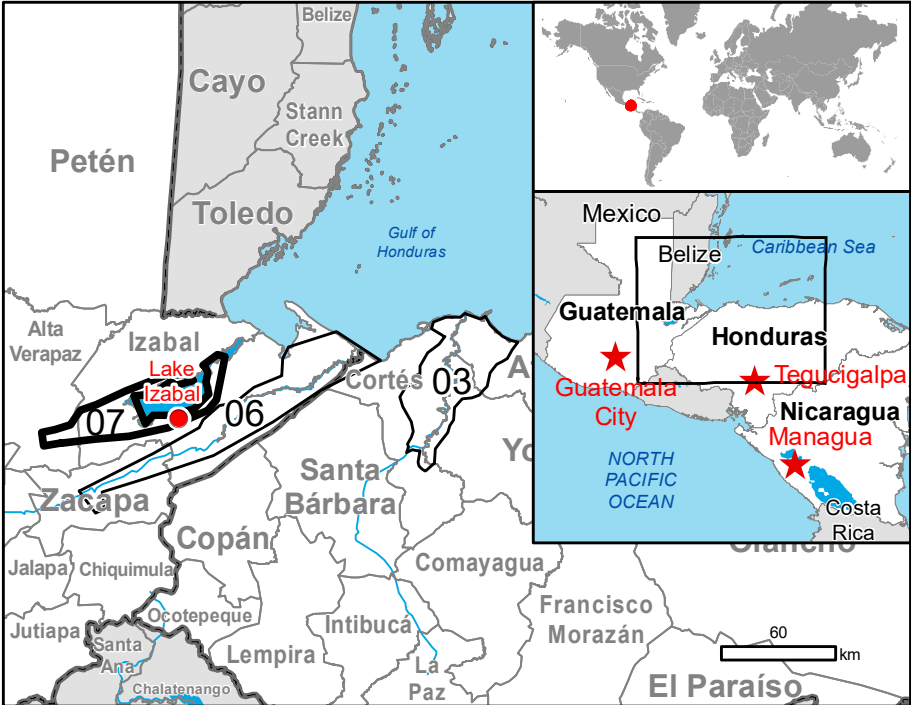


Lake Izabal - GUATEMALA, HONDURAS, NICARAGUA

Flood - Situation as of 25/11/2020

Delineation - Overview map 01



Cartographic Information

1:200000 Full color A1, 200 dpi resolution

0 4 8 16 km

Grid: WGS 1984 UTM Zone 16N map coordinate system

Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information	Hydrography	Transportation
■ Flooded Area (25/11/2020 11:50 UTC)	— River	— Primary Road
■ General Information	— Stream	— Secondary Road
■ Area of Interest	— Island	— Local Road
— Administrative boundaries	— Lake	— Cart Track
— Province	— Land Subject to Inundation	— Airfield runway
— Placenames	— River	— Land Use - Land Cover & Built up Area
— Placename		Features available in the vector package

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Flooded area	ha	2251.7	
Estimated population	Number of inhabitants	198347	
Settlements			
Residential Buildings	No.	0.0	NA
Transportation			
Airfield runways	km	0.0	NA
Primary Road	km	0.0	NA
Secondary Road	km	0.0	NA
Local Road	km	3.4	NA
Cart Track	km	37.9	NA
Land use			
Heterogeneous agricultural areas	ha	1796.5	NA
Forests	ha	1362.9	NA
Shrub and/or herbaceous vegetation association	ha	1934.3	NA
Inland wetlands	ha	0.0	NA
Other	ha	168.0	NA

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 product in the area of Lake Izabal (Guatemala). 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	17/11/2020 00:00	Situation as of	25/11/2020 11:50
Activation	17/11/2020 14:23	Map production	26/11/2020

Data sources

Pre-event image: Sentinel-2B (2020) (acquired on 05/03/2020 at 16:20 UTC, GSD 10.0 m, approx. 0% 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 25/11/2020 at 11:50 UTC, GSD 30.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer.

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

Disclaimer

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

Map produced by ITHACA released by SERTIT (ODO).

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

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