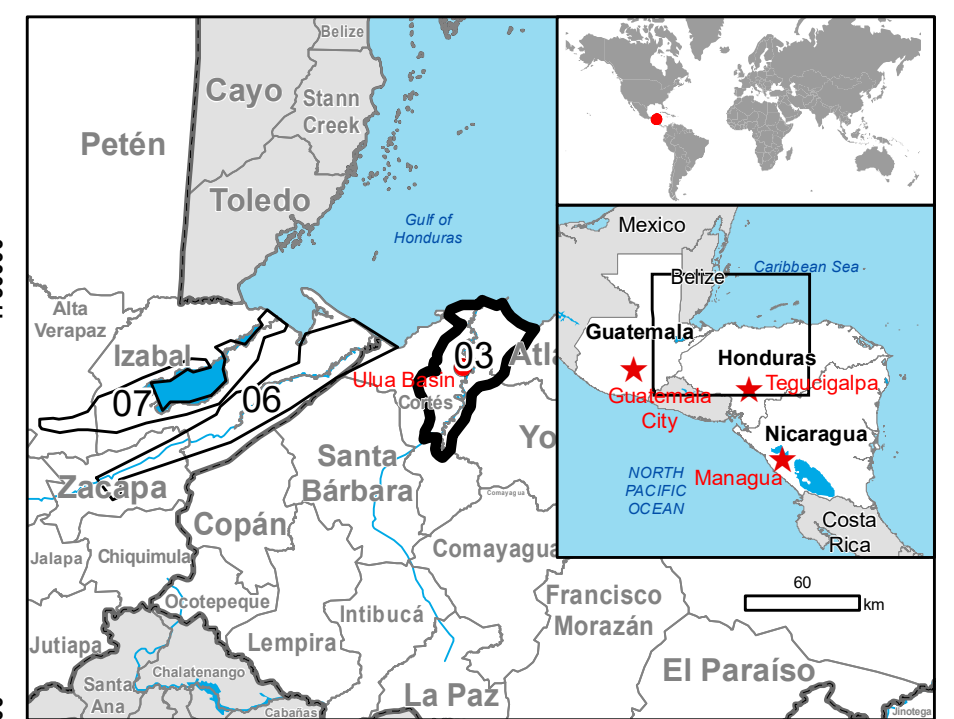


GLIDE number: TC-2020-000227-NIC Activation ID: EMSR482
Int. Charter call ID: N/A Product N.: 03ULUABASIN, v1

Uluá Basin - GUATEMALA, HONDURAS, NICARAGUA

Flood - Situation as of 23/11/2020

Delineation - Overview map 01



Cartographic Information

1:165000 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

Crisis Information	Hydrography	Transportation
Flooded Area (23/11/2020 11:45)	River	Primary Road
Area of Interest	Stream	Secondary Road
Image Footprint	Lake	Local Road
Not Analysed - No data	Reservoir	Cart Track
Administrative boundaries	River	Long-distance railway
Province	Dam	Airfield runway
Place name	Construction for mining or extraction	Hillpad
		Land Use - Land Cover & Built up Area
		Features available in the vector package

Crisis Information	Hydrography	Transportation
Flooded area	River	Primary Road
Estimated population	Stream	Secondary Road
Settlements	Lake	Local Road
Transportation	Reservoir	Cart Track
Facilities	River	Long-distance railway
Land use	Dam	Airfield runway
	Construction for mining or extraction	Hillpad
		Land Use - Land Cover & Built up Area
		Features available in the vector package

Map Information

Hurricane Iota is an extremely strong hurricane bringing very high levels of rainfall 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 Uluá Basin (Guatemala, Honduras, Nicaragua). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. "Not analysed" indicates an area that could not be analysed in any of the post-event images. The estimated geometric accuracy (RMSE) is 10 m or better, from native positional accuracy of the background satellite image.

Crisis Information	Hydrography	Transportation
Flooded area	River	Primary Road
Estimated population	Stream	Secondary Road
Settlements	Lake	Local Road
Transportation	Reservoir	Cart Track
Facilities	River	Long-distance railway
Land use	Dam	Airfield runway
	Construction for mining or extraction	Hillpad
		Land Use - Land Cover & Built up Area
		Features available in the vector package

Relevant date records (UTC)

Event	17/11/2020 00:00	Situation as of	23/11/2020 11:45
Activation	17/11/2020 14:23	Map production	24/11/2020

Data sources

Pre-event image: Sentinel-2A (2020) (acquired on 27/03/2020 at 16:09 UTC, GSD 10 m, approx. 0% cloud coverage in AOI) provided under Copernicus by the European Union and ESA.

Post-event image: Sentinel-1A (2020) (acquired on 23/11/2020 at 11:45 UTC, GSD 10 m) provided under Copernicus by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Globe Land 30 (2010), Global Administrative Areas (2012), refined by the producer.

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.

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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