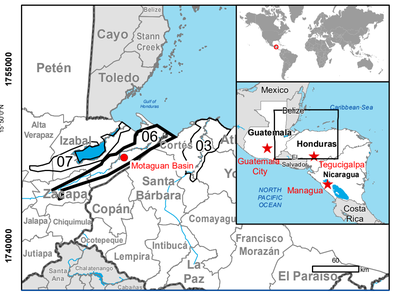
GLIDE number: TC-2020-000227-NIC Activation ID: EMSR482
Int. Charter call ID: N/A Product N.: 06MOTAGUANBASIN, v1

Motaguan Basin - GUATEMALA, HONDURAS, NICARAGUA

Flood - Situation as of 21/11/2020

First Estimate Product



Cartographic Information

1:260000 Full color A1, 200 dpi resolution

0 5 10 20 km

N

Grid: WGS 1984 UTM Zone 16N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information
- Flooded Area (21/11/2020 11:44 UTC and 23:26 UTC)

General Information
- Area of Interest
- Image Footprint

Administrative boundaries
- International Boundary
- Region
- Province

Placenames
- Placename

Hydrography
- Coastline
- River
- Stream
- Island
- Lake
- Land Subject to Inundation
- Reservoir
- River

Transportation
- Primary Road
- Secondary Road
- Local Road
- Cart Track
- Long-distance railway
- Airfield runway
- Helipad

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 first estimate product in the area of Motaguan 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 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	21/11/2020 23:26
Activation	17/11/2020 14:23	Map production	22/11/2020

Data sources

Pre-event image: Sentinel-2A (2020) (acquired on 26/02/2020 at 16:12 UTC, GSD 10 m, approx. 0% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.
Sentinel-2B (2020) (acquired on 03/05/2020 at16:20 UTC, GSD 10 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 21/11/2020 at 11:44 UTC and at 23:26 UTC, GSD 30 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

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

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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