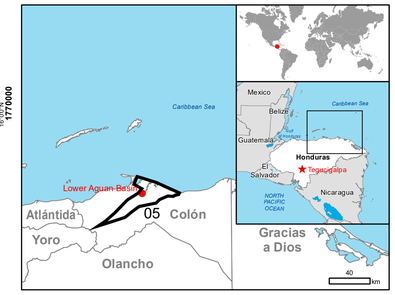
GLIDE number: TC-2020-000227-NIC Activation ID: EMSR482
Int. Charter call ID: N/A Product N.: 05LOWERAGUANBASIN, v1

Motaguan Basin - Guatemala, Honduras, Nicaragua

Flood - Situation as of 22/11/2020

Delineation - Overview map 01



Cartographic Information

1:120000 Full color A1, 200 dpi resolution

0 2.5 5 10 km

N

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

Legend

Crisis Information
Flooded Area (22/11/2020 11:44 UTC)
General Information
Area of Interest
Administrative boundaries
International Boundary
Region
Province
Placenames
Placename

Hydrography
Coastline
River
Stream
River Bank
Lake
Open Water
River

Transportation
Primary Road
Secondary Road
Local Road
Cart Track
Airfield runway

Land Use - Land Cover & Built up Area
Features available in the vector package

Consequences within the AOI

		Unit of measurement	Affected	Total in AOI
Flooded area		ha	4253.5	
Estimated population		Number of inhabitants	91762	N/A
Settlements	Residential Buildings	ha	0.5	294.6
Transportation	Airfield runways	km	0.0	0.9
	Primary Road	km	0.1	59.7
	Secondary Road	km	0.0	10.4
	Local Road	km	1.0	458.7
	Cart Track	km	14.5	1169.7
Land use	Heterogeneous agricultural areas	ha	131.4	9856.3
	Forests	ha	2963.6	70106.5
	Shrub and/or herbaceous vegetation association	ha	345.2	8843.3
	Inland wetlands	ha	692.9	3610.2
	Other	ha	120.3	8559.6

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 Lower Aguan basin. 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	22/11/2020 11:44
Activation	17/11/2020 14:23	Map production	23/11/2020

Data sources

Pre-event image: Sentinel-2A (2020), (acquired on 23/04/2020 at 15:59 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 22/11/2020 at 11:44 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.

Population data: GHS Population Grid © European Commission, 2019 https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
Digital Elevation Model: SRTM (90 m) (NASA/USGS)

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 Telespazio Iberica released by Sertit (ODO).

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

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