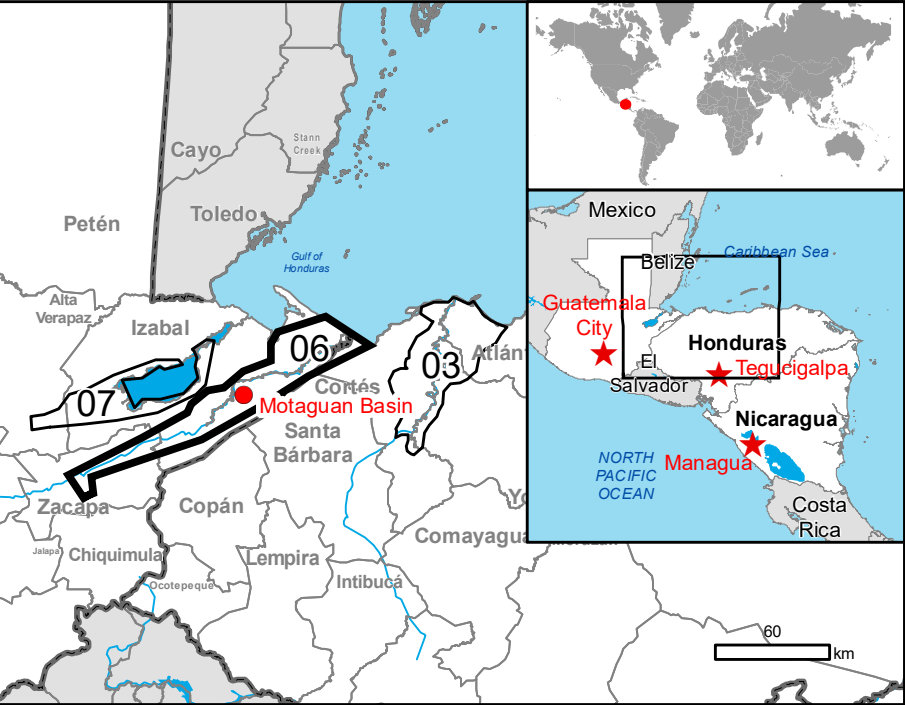


GLIDE number: TC-2020-000227-NIC Activation ID: EMSR482
Int. Charter call ID: N/A Product N.: 06MOTAGUANBASIN, v1

Motaguan Basin - GUATEMALA, HONDURAS, NICARAGUA

Flood - Situation as of 25/11/2020

Delineation - Overview map 01



Cartographic Information

1:260000 Full color A1, 200 dpi resolution



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

Legend

Crisis Information	Hydrography	Transportation
<div><div></div><div>23/11/2020 11:45 UTC</div><div>25/11/2020 11:50 UTC</div></div>	<div><div></div><div>Coastline</div></div> <div><div></div><div>River</div></div> <div><div></div><div>Stream</div></div> <div><div></div><div>Island</div></div> <div><div></div><div>Lake</div></div> <div><div></div><div>Land Subject to Inundation</div></div> <div><div></div><div>Reservoir</div></div> <div><div></div><div>River</div></div>	<div><div></div><div>Primary Road</div></div> <div><div></div><div>Secondary Road</div></div> <div><div></div><div>Local Road</div></div> <div><div></div><div>Cart Track</div></div> <div><div></div><div>Long-distance railway</div></div> <div><div></div><div>Airfield runway</div></div> <div><div></div><div>Halapad</div></div> <div><div></div><div>Airfield runway</div></div>
General Information		
<div><div></div><div>Area of Interest</div></div> <div><div></div><div>Image Footprint</div></div>		
Administrative boundaries		
<div><div></div><div>Region</div></div> <div><div></div><div>Province</div></div>		
Placenames		
<div><div></div><div>Placename</div></div>		
		<div><div></div><div>Land Use - Land Cover & Built up Area</div></div> <div>Features available in the vector package</div>

Consequences within the AOI		Unit of measurement	Affected	Total in AOI
		ha	24973	
Flooded area		ha	0.0	NA
Estimated population		Number of inhabitants	414467	
Transportation		km	0.0	NA
Wetland		km	0.5	NA
Airfield runways		km	5.1	NA
Primary Road		km	7.7	NA
Secondary Road		km	5.9	NA
Local Road		km	3.2	NA
Cart Track		km	12714.7	NA
Long-distance railways		km	7865.5	NA
Land use		ha	3028.9	NA
Heterogeneous agricultural areas		ha	4.3	NA
Forests		ha	636.2	NA
Shrub and/or herbaceous vegetation association		ha		
Inland wetlands		ha		
Other		ha		

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 Motaguan Basin (Guatemala, Honduras, 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	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-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 at 16:20 UTC, GSD 10 m, approx. 0% cloud coverage in AOI) provided under COPERNICUS by the European Union and ESA.

Post-event image: Sentinel-1A/B (2020) (acquired on 23/11/2020 at 11:45 UTC, GSD 10 m) provided under COPERNICUS by the European Union and ESA.
COSMO-SkyMed © ASI (2020), distributed by e-GEOS S.p.A. (acquired on 25/11/2020 at 11:50 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.

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>

irc-ems-rapidmapping@ec.europa.eu
© European Union

For full Copyright notice visit <https://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal>