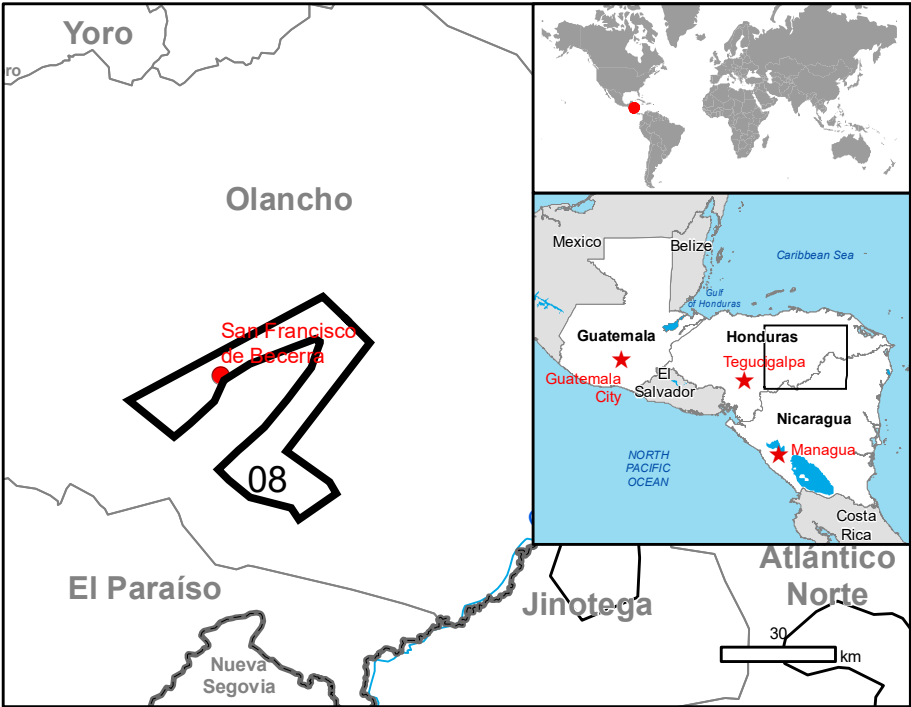


GLIDE number: TC-2020-000227-NIC Activation ID: EMSR482  
Int. Charter call ID: N/A Product N.: 08MIDDLEPATUCABASIN, v1

## Middle Pataca Basin - GUATEMALA, HONDURAS, NICARAGUA

### Flood - Situation as of 23/11/2020

#### Delineation - Overview map 01



#### Cartographic Information

1:115000 Full color A1, high resolution (200dpi)

0 2.5 5 10 km

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

#### Legend

Crisis Information	Placenames	Transportation
Flooded Area (23/11/2020 23:56 UTC)	Placename	Primary Road
Area of Interest	River	Secondary Road
Administrative boundaries	Stream	Local Road
Province	Lake	Land Use - Land Cover
	River	Building Footprint
		Features available in the vector package

Consequences within the AOI		Unit of measurement		Affected	Total in AOI
Flooded area		ha	231.4		
Estimated population		Number of inhabitants			39170
Settlements	Residential Buildings	No.	0.0		2
Transportation	Primary Road	km	0.0		10.1
	Secondary Road	km	0.0		114.2
	Local Road	km	0.0		306.6
Land use	Heterogeneous agricultural areas	ha	0.0		2569.2
	Forests	ha	0.0		79971.9
	Shrub and/or herbaceous vegetation association	ha	0.0		12968.9
	Wetlands	ha	0.0		645.8
	Other	ha	0.0		693.0

#### 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 delineation product in the area of Middle Pataca Basin. The thematic layer has been derived from post-event satellite image using a semi-automatic approach.  
The estimated geometric accuracy (RMSE) is 25 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	23/11/2020 23:56
Activation	17/11/2020 14:23	Map production	24/11/2020

#### Data sources

Pre-event image: Sentinel-2A (2020) (acquired on 23/05/2020 at 15:59 UTC, GSD 10 m, approx. 15% cloud coverage in AOI) provided under Copernicus by the European Union and ESA.  
Post-event image: RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2020) (acquired on 23/11/2020 at 23:56 UTC, GSD 25.0 m) – RADARSAT is an official mark of the Canadian Space Agency – provided under Copernicus by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, GeoNames 2015, Globe Land 3D (2010), Global Administrative Areas (2012), refined by the producer.  
Inset map: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2019  
[https://ghsl.jrc.ec.europa.eu/ghs\\_pop2019.php](https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php)

#### 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 KMZ, GeoJSON).

Map produced by SERTIT released by SERTIT (ODO).

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

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