

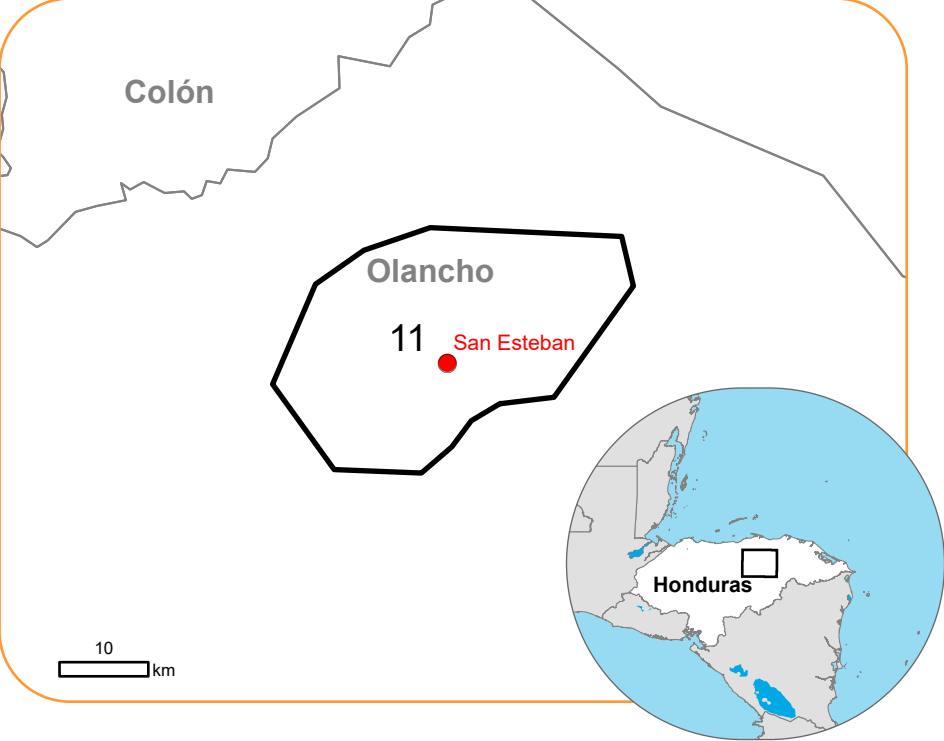


EMSR778 - AOI11

Storm in Honduras

SAN ESTEBAN

Situation as of 16/11/2024 23:58 UTC
Delineation - Overview map 01



Flooded area
695.6 ha

Potentially affected
population
~ 20

Potentially Affected Built-up and Transportations



Road
2.0 km

Estimated flood depth (m)

Below 0.50

0.50 - 1.00

1.00 - 2.00

2.00 - 4.00

4.00 - 6.00

Built-Up Area

Residential

School, university and research buildings

Hydrography

Lake, River

Facilities

Sport and recreation constructions

Transportation

Main road

Local road

Track

General Information

Area of Interest

Administrative Boundaries

Province

Placenames

Placename

Event: On the 16 November 2024 at 23:30 Tropical Storm Sara hit Honduras. Specifically, floods and mass movements have been reported to affect the country. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation emergency mapping.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2024) (acquired on 23/03/2024 at 15:59 UTC, resolution 10 m). This image is used as background image. Post-event image: Sentinel-1A/B (2024) (acquired on 16/11/2024 at 23:58 UTC and 11:29 UTC, resolution 20.0 m).


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The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

The flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.

Map produced by GMV released by SERTIT on the 23/11/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR778>



Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		695.6
Estimated population		Number of inhabitants	~ 20	~ 16,000
Built-up	Residential Buildings	ha	0	387.5
	School, university and research buildings	ha	0	0.8
Transportation	Primary Road	km	0	37.3
	Secondary Road	km	0.1	19.1
	Local Road	km	0.8	108.8
	Cart Track	km	1.2	259.0
Facilities	Sport and recreation constructions	ha	0	1.7
Land use	Heterogeneous agricultural areas	ha	667.5	37,666.6
	Shrub and/or herbaceous vegetation association	ha	15.4	802.6
	Forests	ha	12.7	37,530.8
	Other	ha	0	86.6

Disclaimer:

Full disclaimer and other helpful information available in the online manual:
<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>
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Data Access:

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package. All products and data are also available for download on the portal.

Estimated Population:

Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

Data Sources:

Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2024), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer, Copernicus Global Land Service: Land Cover (2019). Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.
Digital Elevation Model: FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30 Digital Elevation Model (DEM) (Airbus,2020).

Access to the portal



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