

Situation as of 19/10/2025 17:17 UTC
Grading - Overview map 01






Flooded area
85.8 ha
Flood trace
517.5 ha




Potentially affected
population
~ 7,200


Affected Built-up and Transportations



Road
25.3 km



Built-Up
2,028 No.



Airport
42.4 ha

Crisis Information

- Flooded Area
- Flood trace
- Built Up Grading**
 - Destroyed
 - Damaged
 - Possibly damaged
- Transportation Grading**
 - Road, Possibly damaged
 - Main road, No visible damage
 - Local road, No visible damage
 - Track, No visible damage

- Airfield runway, No visible damage
- Airfield and Heliport, Damaged
- General Information**
 - Area of Interest
 - Detail map
 - Not Analysed
- Administrative Boundaries**
 - Province
- Placenames**
 - Placename
- Hydrography**
 - Lake, River

Event: On the 11 October 2025, heavy rains are reported to have affected multiple states across Mexico, leading to a major humanitarian crisis. The event is on-going and increasing with severe flooding and landslides; according to media tens of thousands of houses have been flooded or damaged by mud and debris. Copernicus EMS Rapid Mapping was requested to provide flood extent and damage assessment emergency mapping.

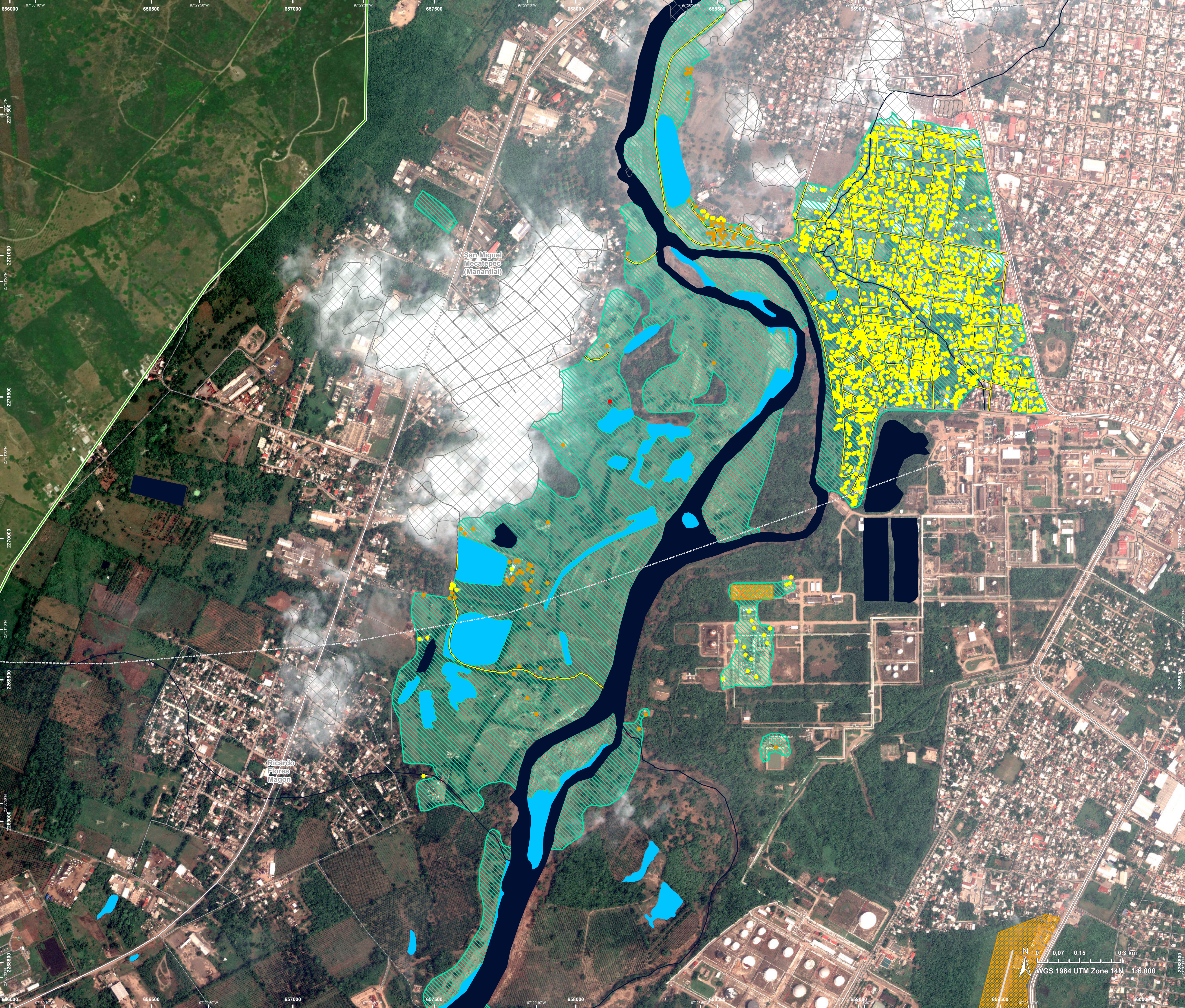
Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 19/12/2023, resolution 1.0 m). Post-event image: Geoeye © Maxar Technologies, Inc. (2025), (acquired on 19/10/2025 at 17:17 UTC, resolution 0.5 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by Telespazio Iberica released by SERTIT on the 20/10/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR845>









EMSR845 - AOI03
Flood in Mexico
POZA RICA




Situation as of 19/10/2025 17:17 UTC
Grading - Detail map 02









- Crisis Information**

 -  Flooded Area
 -  Flood trace



Built Up Grading

 -  Destroyed
 -  Damaged
 -  Possibly damaged


Transportation Grading

 -  Road, Possibly damaged
 -  Main road, No visible damage
 -  Local road, No visible damage
 -  Track, No visible damage
-  Airfield runway, No visible damage
 -  Airfield and Heliport, Damaged


General Information

 -  Area of Interest
 -  Not Analysed


Administrative Boundaries

 -  Province

Placenames

 -  Placename

Hydrography

 -  Lake, River

Event: On the 11 October 2025, heavy rains are reported to have affected multiple states across Mexico, leading to a major humanitarian crisis. The event is on-going and increasing with severe flooding and landslides; according to media tens of thousands of houses have been flooded or damaged by mud and debris. Copernicus EMS Rapid Mapping was requested to provide flood extent and damage assessment emergency mapping.

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Consequences within the AOI

			LATEST IMPACT	
			Unit of measurement	EO-based observation*
Crisis information	Flood trace		ha	517,5
	Flooded area		ha	85,8
	Maximum of all extents**		ha	603,3

Estimated population				Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
		Inhabitants	No.				~ 7.200	~ 270.000
Assets	Built-up	Residential Buildings	ha	0	0	0	0	1.548,7
		Office buildings	ha	0	0	0	0	12,7
		Wholesale and retail trade buildings	ha	0	0	0	0	5,4
		Industrial buildings	ha	0	0	0	0	437,5
		School, university and research buildings	ha	0	0	0	0	71,7
		Hospital or institutional care buildings	ha	0	0	0	0	6,6
		Cemetery	ha	0	0	0	0	15,5
		Residential Buildings	No.	3	99	1.890	1.992	95.802
		Other non-residential buildings	No.	0	16	20	36	829
	Transportation	Airfield runways	ha	0	42,4	0	42,4	42,4
		Helipad	ha	0	0,7	0	0,7	0,7
		Airfield runways	km	0	0	0	0	1,4
		Primary Road	km	0	0	0,1	0,1	57,7
		Secondary Road	km	0	0	0,3	0,3	79,8
		Local Road	km	0	0	18,5	18,5	916,2
		Cart Track	km	0	0	6,4	6,4	86,7
	Facilities	Power plant constructions	ha	0	0	0	0	26,3
		Sport and recreation constructions	ha	0	0	0	0	60,8
		Long-distance pipelines, communication and electricity lines	km	0	0	0	0	65,9
		Local pipelines and cables	km	0	0	0	0	0,5
	Land use	Heterogeneous agricultural areas	ha	0	0	0	308,4	4.483,9
		Forests	ha	0	0	0	163,9	2.695,5
		Shrub and/or herbaceous vegetation association	ha	0	0	0	22,4	465,9
		Inland wetlands	ha	0	0	0	11,5	47,8
		Other	ha	0	0	0	97,2	4.748,1

* Corresponds to the water surface observed in the most recent satellite imagery, excluding permanent water.

** Corresponds to the geographic union (and NOT the sum) of all Crisis Information layers.

*** It is intersected with the population and asset datasets to estimate the impacts.

**** Sum of all damage classes

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>

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Data Access:

All data displayed on the map(s), as well as Land Use - Land Cover layer(s),

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 (2025); Wikimapia.org; GeoNames 2015;

Corine Land Cover (CLC) 2018; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

Global Administrative Areas (2022), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;

© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

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

