















 Flooded area 20.8 ha
Flood trace 260.7 ha
 Potentially affected population ~ 80

Affected Built-up and Transportations

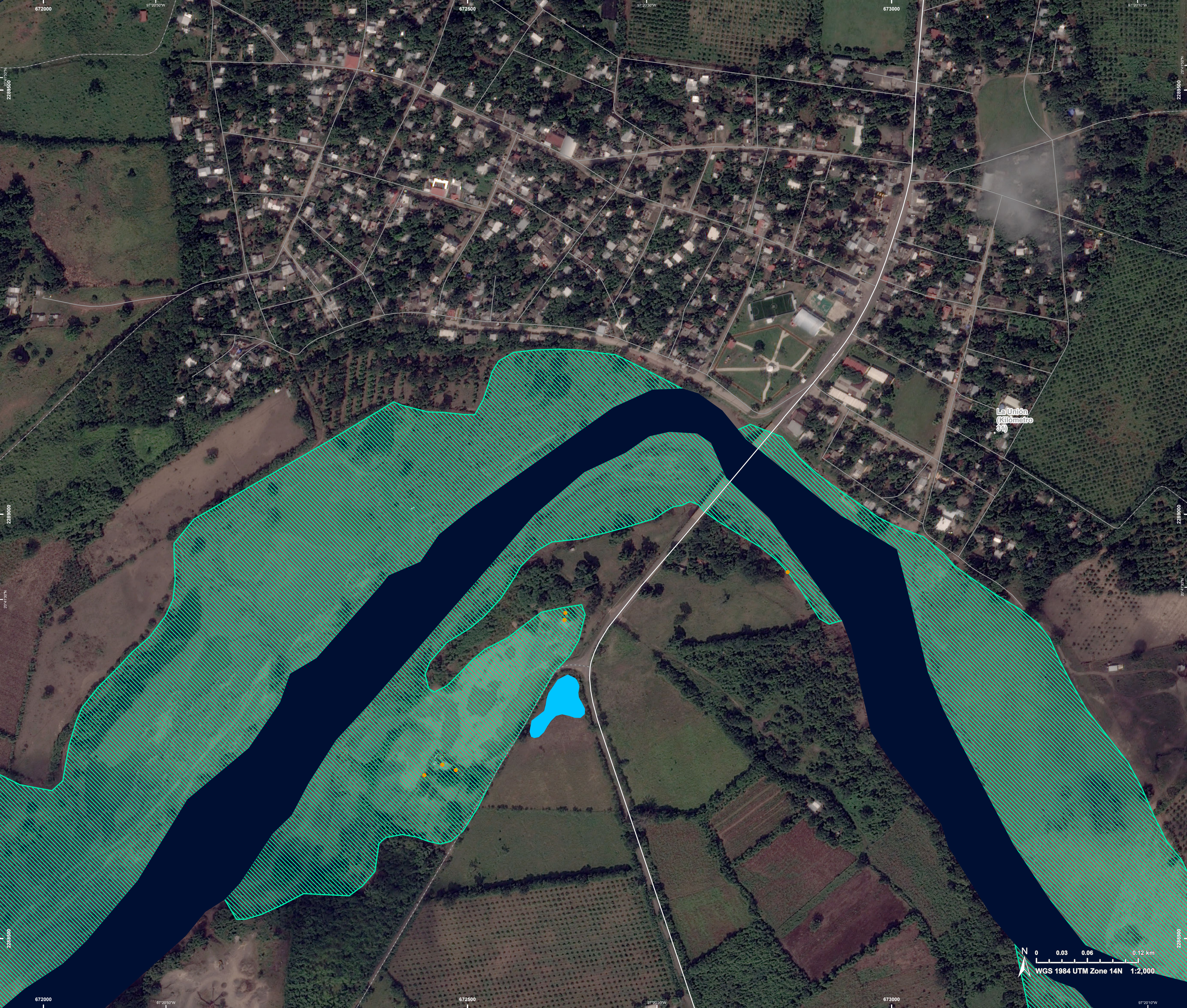
 Built-Up 18 No.
 Road 0.7 km

- | | |
|---|--|
| Crisis Information | General Information |
|  Flooded Area |  Area of Interest |
|  Flood trace |  Detail map |
| Built Up Grading |  Not Analysed |
|  Damaged | Administrative Boundaries |
| Transportation Grading |  Province |
|  Road, Damaged | Placenames |
|  Highway, No visible damage |  Placename |
|  Main road, No visible damage | Hydrography |
|  Local road, No visible damage |  Lake, River |
|  Track, No visible damage | |

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: WorldView-2 © Vantor (2025), provided by European Space Imaging (acquired on 04/04/2025 at 16:53 UTC, resolution 0.5 m). Post-event image: Legion © Vantor (2025), provided by European Space Imaging (acquired on 18/10/2025 at 17:04 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.



EMSR845 - AOI02
Flood in Mexico
CAZONES DE HERRERA

Situation as of 18/10/2025 17:04 UTC

Grading - Detail map 02



Crisis Information

Flooded Area

Flood trace

Built Up Grading

Damaged

Transportation Grading

Main road, No visible damage

Local road, No visible damage

Track, No visible damage

General Information

Area of Interest

Placenames

Placename

Hydrography

Lake, River

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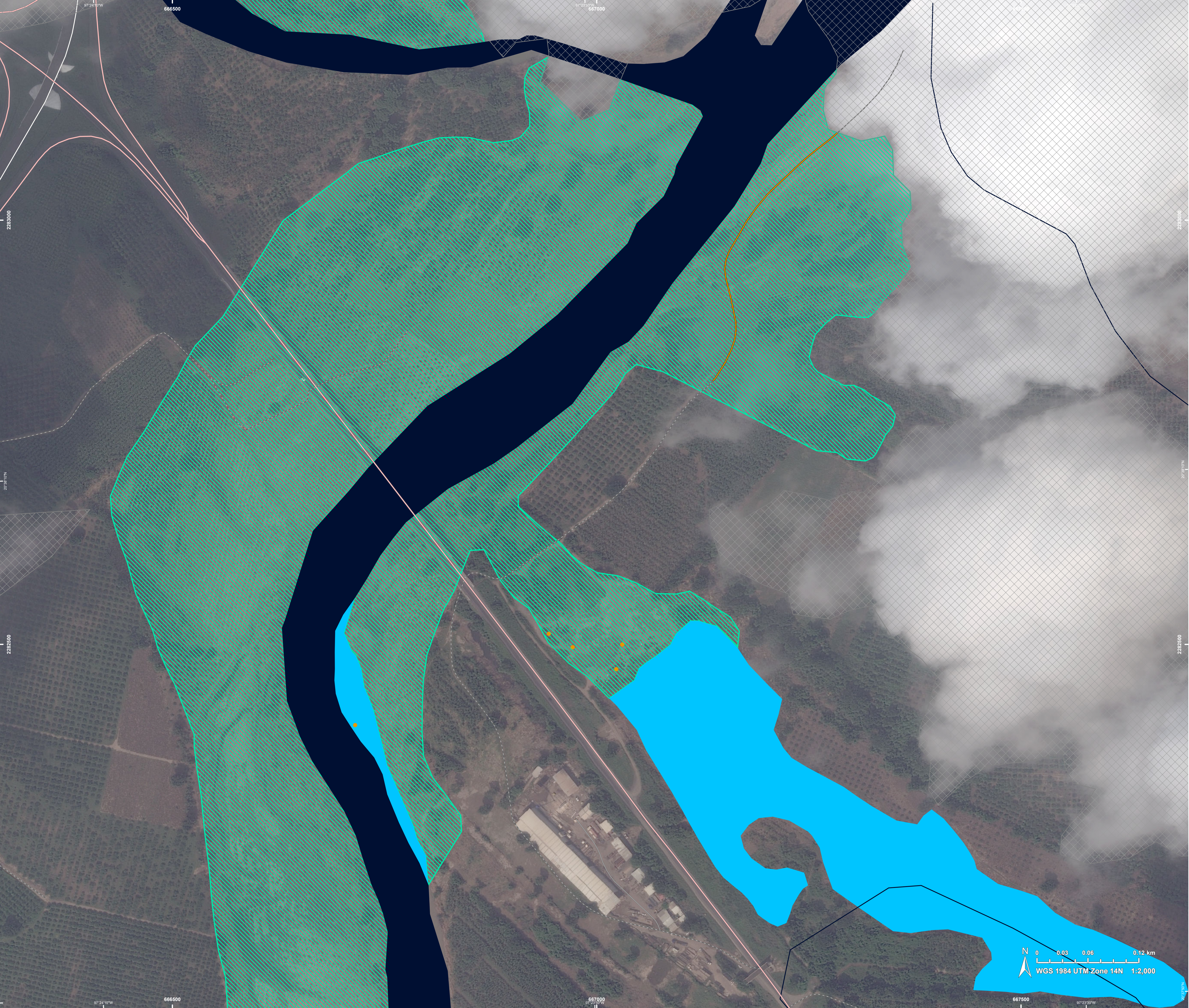
Map produced by GMV released by SERTIT on the 19/10/2025.

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





PROGRAMME OF THE
EUROPEAN UNION











- Crisis Information**



 -  Flooded Area
 -  Flood trace

Built Up Grading


 -  Damaged
- Transportation Grading**

 -  Road, Damaged
 -  Highway, No visible damage
 -  Main road, No visible damage
 -  Local road, No visible damage
 -  Track, No visible damage

General Information

 -  Area of Interest
 -  Not Analysed

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	260.7
	Flooded area		ha	20.8
	Maximum of all extents**		ha	281.5

				Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
Estimated population		Inhabitants	No.				~ 80	~ 20,000
Assets	Built-up	Residential Buildings	No.	0	9	0	9	14,555
		Institutional	No.	0	0	0	0	1
		Industrial buildings	No.	0	9	0	9	153
		School, university and research buildings	No.	0	0	0	0	3
		Unclassified	No.	0	0	0	0	2
	Transportation	Highways	km	0	0	0	0	8.4
		Primary Road	km	0	0	0	0	1.0
		Secondary Road	km	0	0	0	0	44.3
		Local Road	km	0	0	0	0	125.8
		Cart Track	km	0	0.7	0	0.7	196.5
	Facilities	Sport and recreation constructions	ha	0	0	0	0	0.3
		Long-distance pipelines, communication and electricity lines	km	0	0	0	0	4.8
	Land use	Heterogeneous agricultural areas	ha	0	0	0	41.6	2,112.9
		Forests	ha	0	0	0	187.7	9,774.9
		Shrub and/or herbaceous vegetation association	ha	0	0	0	6.0	894.0
		Inland wetlands	ha	0	0	0	18.8	134.1
		Other	ha	0	0	0	27.5	842.5

* 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; 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

