



Flooded area
2,638.4 ha



Potentially affected
population
~ 150

Potentially Affected Built-up and Transportations



Road
3.6 km



Built-Up
1.0 ha

■ Below 0.50
■ 0.50 - 1.00
■ 1.00 - 2.00
■ 2.00 - 4.00
■ 4.00 - 6.00

- ☐ Residential
- ☐ Non residential

**■ Lake, River
Facilities**

 Sport and recreation construction

 Area of Interest



-- Region
--- Province
— Local road
— Track

- Placename

Event: On June 12, 2025, at 12:00, Tropical Cyclone Erick-25 is predicted to affect the state of Guerrero in Mexico. The most affected municipalities are those located in the coastal area of the state and those located in the Sierra Madre del Sur Mountain range, including the Costa Chica, Costa Grande, Acapulco, Montana, and Centro regions. The event is forecast and with damage expected to affect buildings, infrastructure, and others. Copernicus EMS Rapid Mapping is requested to provide an initial rough estimation, flood extent, and damage assessment emergency mapping.

Data sources and analysis: Pre-event image: SPOT6/7 © Airbus DS (2025), (acquired on 27/12/2024 at 16:44 UTC, resolution 6.0 m). SPOT6/7 © Airbus DS (2025), (acquired on 15/01/2025 at 16:47 UTC, resolution 6.0 m). Sentinel-2A/B (2025) (acquired on 14/04/2025 at 16:57 UTC, resolution 10.0 m).

Post-event image: COSMO-SkyMed © ASI (2025), distributed by e-GEOS S.p.A. (acquired on 20/06/2025 at 12:32 UTC, resolution 15.0 m). IE00 © copyright owned by ICEYE OY (acquired on 20/06/2025 at 05:19 UTC, resolution 15.0 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 Telespazio Iberica released by SERTIT on the 21/06/2025.



Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR805>



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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		2,638.4
Estimated population	Number of inhabitants		~ 150	~ 26,000
Built-up	Residential Buildings	ha	1.0	832.2
	School, university and research buildings	ha	0	1.4
	Other non-residential buildings	ha	0	17.2
	Cemetery	ha	0	2.1
Transportation	Primary Road	km	0	26.9
	Local Road	km	2.0	382.8
	Cart Track	km	1.5	284.5
Facilities	Sport and recreation constructions	ha	0	0.7
Land use	Forests	ha	960.7	50,416.0
	Heterogeneous agricultural areas	ha	785.7	9,814.6
	Shrub and/or herbaceous vegetation association	ha	771.6	24,772.1
	Inland wetlands	ha	103.7	2,110.4
	Open spaces with little or no vegetation	ha	13.2	176.7
	Other	ha	3.6	15,069.6

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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Access to the portal

**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).



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