

EMSR703 - AOI02
 Storm in Mexico
 ACAPULCO INLAND

Situation as of 29/10/2023 17:21 UTC

Grading MONIT01 - Detail map 03



Flooded area 47.9 ha
 (~ 13.5% of total affected)
 Flood trace 174.3 ha
 (~ 20% of total affected)

Potentially affected population
 ~ 15500
 (~ 8% of total affected)

Affected Built-up and Transportations

Built-Up
 170.5 ha
 (~ 6% of total affected)

Road
 16 km
 (~ 31% of total affected)

Crisis Information

- Flooded Area
- Flood trace

Placenames

- Placename

Hydrography

- River
- Lake
- River
- River Bank

Damage Grading

- Destroyed
- Damaged
- Possibly damaged

Facilities Grading

- Destroyed
- Damaged
- Possibly damaged

Transportation Grading

- Bridge and elevated highway, Damaged
- Bridge and elevated highway, Possibly damaged
- Main road, No visible damage
- Track, No visible damage
- Local road, No visible damage
- Road, Destroyed
- Road, Damaged

Event: On 25 October around 6:25 UTC, TC OTIS (Cat. 5 Hurricane) made landfall over the area of the coastal City of Acapulco (central Guerrero State, southern Mexico) with maximum sustained winds of 270 km/h. OTIS-23 caused floods and landslides that resulted in evacuations and severe damage. As of 26 October, 34,522 evacuated families in 631 temporary shelters across the affected area according to WHO PAHO and national authorities. Copernicus EMS Rapid Mapping is requested to provide damage assessment emergency mapping.

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 06/01/2023, resolution 0.6 m). Post-event images: Pléiades Neo © CNES (2023), distributed by Airbus DS (acquired on 29/10/2023 at 17:21 UTC, resolution 0.3 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

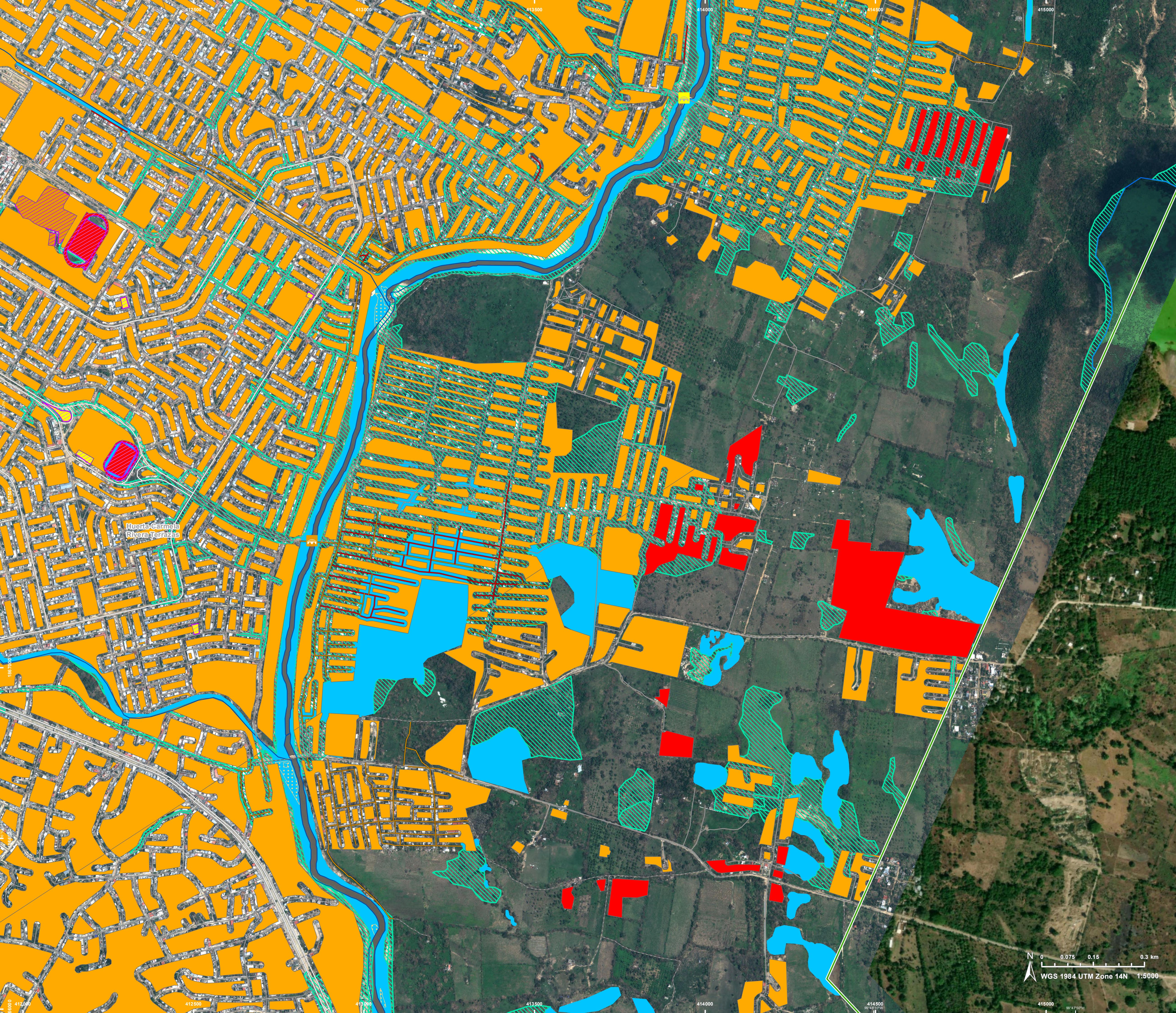
Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer, Copernicus Global Land Service: Land Cover (2019).

Population data: GHS Population Grid © European Commission, 2023, <https://ghsl.jrc.ec.europa.eu/ghs/pop2023.php>. Digital Elevation Model: COP-DEM-EEA-10-R product © DLR e.V. (2014-2018) and © Airbus Defence and Space GmbH (2020) provided under COPERNICUS by the European Union and ESA, all rights reserved.

The thematic layer has been derived from post-event satellite image using a semi-automatic approach OR by means of visual interpretation. The current grading analysis cumulates all analysis from previous post-event products.

Map produced by GAF AG released by e-GEOS on the 01/11/2023.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR703>



Consequences within the AOI		Unit of measurement	Destroyed	Damaged	Possibly damage*	Total affected**	Total in AOI
Flood trace							
Flooded area		ha					354.4
Estimated population	Number of inhabitants					~ 180,000	~ 370,000
Built-up	Residential Buildings Industrial buildings Industrial buildings and warehouses Public entertainment, education, hospital or institutional care buildings School, university and research buildings Other non-residential buildings Other buildings not elsewhere classified	ha	279.4 0 0 0 0 0 0	2,159.8 8.2 18.1 10.7 2.3 0 2.5	155.7 0 0 0 0 0 0	2,594.9 8.2 18.1 10.7 2.3 0 2.5	2,704.3 8.2 18.1 10.7 2.3 7.5 2.5
Transportation	Highways Primary Road Secondary Road Local Road Cart Track Bridges and elevated highways	km km km km km No.	0 0 0 8.7 1.6 1	0 0.7 0 37.8 2.3 1	0 0 0 0 0 0	0.4 0.7 0 46.6 3.9 4	37.0 44.7 17.5 1,026.5 55.7 4
Facilities	Settling Basin Power plant constructions Sport and recreation constructions Long-distance pipelines, communication and electricity lines Local pipelines and cables	ha ha ha km km	0 0 1.9 0 0	0 0 6.3 0 0	0.01 3.1 12.2 0 0	0.01 3.1 20.4 0 0	0.01 3.1 20.8 68.7 0.3
Land use	Other Forests Shrub and/or herbaceous vegetation association Heterogeneous agricultural areas	ha				403.5 258.8 191.0 172.7	4,311.5 2,922.9 943.5 541.5

* Presence of damage proxies and proximity with destroyed/damaged asset
** Sum of all damage classes

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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Access to the portal

**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.

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