



Situation as of 31/10/2024 10:22 UTC
Grading - Overview map 01



Flooded area 20.1 ha
Flood trace 52.2 ha
Mudflow 20.2 ha

Potentially affected population ~ 1200

Affected Built-up and Transportations

Built-Up 750 No.
Road 15.0 km
Railway 0.3 km

Built Up Grading

- Damaged
- Possibly damaged

Facilities Grading

- Damaged

Transportation Grading

- Bridge and elevated highway, Destroyed
- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Railway, Damaged
- Railway, Possibly damaged
- Highway, No visible damage

General Information

- Area of Interest
- Detail map

Administrative Boundaries

- Municipality

Placenames

- Placename

Hydrography

- Lake, River

Main road, No visible damage

Local road, No visible damage

Track, No visible damage

Railway, No visible damage

Event: On 29 October 2024 at 14:30 UTC, an extraordinary rainfall event affected the Valencia region. High water levels in rivers caused flooding in Ribera Alta, Horta, La Plana de Utiel and Letur river. On 31 October 2024, extraordinary precipitation caused flooding in the Castellon Province area. Copernicus EMS Rapid Mapping is requested to provide emergency mapping of flood extent, Monitoring and classification damages emergency mapping.

Data sources and analysis: Pre-event image: WorldView-2 © Maxar Technologies, Inc. (year of acquisition), (acquired on 17/04/2023 at 10:53 UTC, resolution 0.5 m). Post-event image: GeoEye © Maxar Technologies, Inc. (year of acquisition), (acquired on 31/10/2024 at 10:22 UTC, resolution 0.4 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 using a semi-automatic approach.

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 e-GEOS released by e-GEOS on the 16/11/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR773>





Built Up Grading

- Damaged
- Possibly damaged

Facilities Grading

- Damaged

Transportation Grading

- Road, Destroyed
- Road, Possibly damaged
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage

General Information

- Area of Interest

Placenames

- Placename

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| Consequences within the AOI | | | | | | |
|---|---|-----------|---------|-------------------|------------------|--------------|
| | Unit of measurement | Destroyed | Damaged | Possibly damaged* | Total affected** | Total in AOI |
| Flood trace | ha | | | | | 52.2 |
| Flooded area | ha | | | | | 20.1 |
| Mudflow | ha | | | | | 20.2 |
| Estimated population | Number of inhabitants | | | | ~ 1 200 | ~ 23 000 |
| Built-up | Residential Buildings | No. | 0 | 244 | 411 | 655 |
| | Office buildings | No. | 0 | 0 | 0 | 8 |
| | Administrative | No. | 0 | 0 | 0 | 1 |
| | Police station | No. | 0 | 0 | 2 | 4 |
| | Fire station | No. | 0 | 0 | 0 | 2 |
| | Wholesale and retail trade buildings | No. | 0 | 1 | 23 | 24 |
| | Industrial buildings | No. | 0 | 5 | 60 | 65 |
| | Industrial buildings and warehouses | No. | 0 | 0 | 1 | 1 |
| | Reservoirs, silos and warehouses | No. | 0 | 0 | 0 | 1 |
| | Public entertainment buildings | No. | 0 | 0 | 0 | 4 |
| | Museums and libraries | No. | 0 | 0 | 1 | 8 |
| | School, university and research buildings | No. | 0 | 1 | 1 | 2 |
| | Buildings used as places of worship and for religious activities | No. | 0 | 0 | 0 | 3 |
| | Historic or protected monuments | No. | 0 | 0 | 0 | 2 |
| | Hotel buildings | No. | 0 | 0 | 0 | 1 |
| | Other short-stay accommodation buildings | No. | 0 | 0 | 0 | 1 |
| | Communication buildings, stations, terminals and associated buildings | No. | 0 | 0 | 0 | 4 |
| | Unclassified | No. | 0 | 0 | 0 | 3 511 |
| Transportation | Highways | km | 0 | 0.7 | 1.1 | 1.9 |
| | Primary Road | km | 0.1 | 0 | 0 | 0.1 |
| | Secondary Road | km | 0 | 0 | 0.01 | 0.01 |
| | Local Road | km | 0.5 | 0.8 | 8.0 | 9.3 |
| | Cart Track | km | 0.5 | 0.9 | 0.9 | 2.3 |
| | No Driveway | km | 0.3 | 0 | 1.2 | 1.4 |
| | Long-distance railways | km | 0 | 0.3 | 0.03 | 0.3 |
| | Bridges and elevated highways | No. | 2 | 0 | 0 | 2 |
| Facilities | Settling Basin | ha | 0 | 0 | 0 | 3.1 |
| | Sport and recreation constructions | ha | 0 | 1.7 | 0 | 1.7 |
| | Long-distance pipelines, communication and electricity lines | km | 0 | 0 | 0 | 4.9 |
| | Local pipelines and cables | km | 0 | 0 | 0 | 10.4 |
| Land use | Other | ha | | | | 38.2 |
| | Permanent crops | ha | | | | 36.9 |
| | Heterogeneous agricultural areas | ha | | | | 16.2 |
| | Pastures | ha | | | | 1.2 |
| | Arable land | ha | | | | 0 |
| | Shrub and/or herbaceous vegetation association | ha | | | | 0 |
| * 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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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, Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 ©EuroGeographics.
 Inset Maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.
 Digital Elevation Model: Spain National DTM 2m (2015)

Access to the portal



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EUROPEAN UNION

