

EMSR847 - AOI01
Storm in Jamaica
KINGSTON


Pre-event situation
Reference - Overview map 01






Population
~ 650000


Built-up and Transports




Built-Up
8,199.3 ha




Road
1,925.4 km



Airport
10.8 km
203.5 ha



Railway
12.0 km



Water infrastructure
190.8 ha
0.1 km

General Information

- Area of Interest
- Administrative Boundaries
 - Region
- Placenames
 - Placename
- Built-Up Area
 - Residential
 - Non residential
 - School, university and research buildings
 - Hospital or institutional care buildings
 - Military
- Hydrography
 - Lake, River
- Facilities
 - Long-distance pipelines or lines
 - Local pipelines or lines
- Mining or extraction site
- Power plant
- Industrial plant
- Sport and recreation constructions
- Civil engineering works
- Dump Site
- Water or Aquatic infrastructure
- Transportation
 - Highway
 - Main road
 - Local road
 - Track
 - Railway
 - Airfield runway
 - Navigable canal
 - Airfield
 - Harbour
 - Water or Aquatic infrastructure


Event: On 25 October 2025 at 20:00, Tropical Storm Melissa is forecast to affect Jamaica and the southern peninsula of Haiti. The event is expected to cause damage to housing, infrastructure, and transport networks due to heavy rainfall, strong winds, flooding, and landslides. Hurricane conditions are forecast for Jamaica during the weekend and subsequently for the southern peninsula of Haiti. Copernicus EMS Rapid Mapping is requested to provide flood extent and damage assessment emergency mapping.

Data sources and analysis:
Pre-event image: ESRI World Imagery © DigitalGlobe 2025 (acquired on 16/01/2025 at 00:00 UTC, resolution 1 m).
This image is used as background image.
All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

The present map shows basic topographic features derived from public datasets, refined by means of visual interpretation of pre-event imagery.

Map produced by ITHACA released by e-GEOS on the 26/10/2025.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR847>



Exposure within the AOI

		Unit of measurement		Total in AOI
Estimated population		Inhabitants	No.	~ 650,000
	Built-up	Residential Buildings	ha	7,192.1
		Office buildings	ha	21.2
		Wholesale and retail trade buildings	ha	0.8
		Industrial buildings	ha	470.3
		School, university and research buildings	ha	272.0
		Hospital or institutional care buildings	ha	32.8
		Other non-residential buildings	ha	54.2
		Military	ha	98.4
		Cemetery	ha	57.6
	Transportation	Airfield runways	ha	203.5
		Harbours	ha	187.3
		Airfield runways	km	10.8
		Highways	km	77.8
		Primary Road	km	69.9
		Secondary Road	km	102.7
		Local Road	km	1,593.8
		Cart Track	km	81.3
		Harbours	km	0.1
		Long-distance railways	km	12.0
	Facilities	Settling Basin	ha	3.4
		Constructions for mining or extraction	ha	81.8
		Power plant constructions	ha	12.1
		Sport and recreation constructions	ha	258.7
		Heavy industrial plants, not elsewhere classified	ha	58.4
		Other civil engineering works not elsewhere classified	ha	5.4
		Long-distance pipelines, communication and electricity lines	km	7.4
		Local pipelines and cables	km	0.5
	Land use	Heterogeneous agricultural areas	ha	7.5
		Forests	ha	7,549.3
		Shrub and/or herbaceous vegetation association	ha	874.7
		Open spaces with little or no vegetation	ha	16.2
		Inland wetlands	ha	893.4
		Other	ha	14,746.1

Disclaimer:

Full disclaimer and other helpful information available in the online manual:
<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>
© European Union / Copernicus Emergency Management Service

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

