



 EMSR847 - AOI03
Storm in Jamaica
MORANT BAY

Pre-event situation

Reference - Overview map 01



 Population
~ 28000

Built-up and Transports

 Road
190.3 km

 Built-Up
12,440 No.

General Information


 Area of Interest


 Image Footprint

Placenames

 Placename

Built-Up Area

 Residential


 Non residential

 Unclassified

Hydrography

 Lake, River

Facilities


 Mining or extraction site

 Sport and recreation constructions

Transportation

 Main road

 Local road

 Track

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.

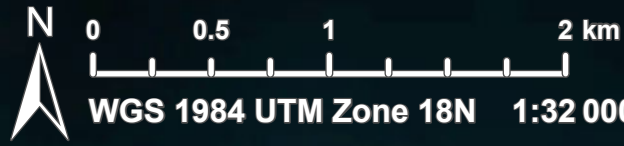
Data sources and analysis: Pre-event image: GeoEye © Vantor (2024), (acquired on 19/07/2024 at 15:44 and on 10/08/2024 at 15:40 UTC, resolution 0.5m), Legion © Vantor (2025), (acquired on 10/01/2025 at 15:37 UTC, resolution 0.5m).

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

Map produced by SERTIT 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.	~ 28 000
	Built-up	Residential Buildings	No.	3 941
		Office buildings	No.	1
		Institutional	No.	2
		Police station	No.	1
		Wholesale and retail trade buildings	No.	16
		Hotel buildings	No.	10
		Communication buildings, stations, terminals and associated buildings	No.	1
		Unclassified	No.	8 468
	Transportation	Primary Road	km	24.7
		Local Road	km	146.4
		Cart Track	km	19.2
	Facilities	Constructions for mining or extraction	ha	7.2
		Sport and recreation constructions	ha	17.4
	Land use	Heterogeneous agricultural areas	ha	191.2
		Forests	ha	2 744.7
		Shrub and/or herbaceous vegetation association	ha	556.3
		Inland wetlands	ha	105.0
		Other	ha	1 229.8

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.

Access to 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;

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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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