





EMSR847 - AOI01
Storm in Jamaica
KINGSTON

Situation as of 07/11/2025 15:55 UTC
Grading - Overview map 01






Landslide
1 No.









Potentially affected
population
~ Not available




Crisis Information

-  Mass Movement


Transportation Grading

-  Highway, No visible damage
-  Main road, No visible damage
-  Local road, No visible damage
-  Track, No visible damage
-  Railway, No visible damage
-  Harbour, waterway and other waterwork, No visible damage


General Information

-  Area of Interest
-  Image Footprint
-  Not Analysed

Administrative Boundaries

-  Region

Placenames

-  Placename

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). Post-event image: Legion © Vantor (2025), provided by European Space Imaging (acquired on 07/11/2025 at 15:55 UTC, resolution 0.5 m). This image is used as background image.

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The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Consequences within the AOI

			LATEST IMPACT	
			Unit of measurement	EO-based observation
Crisis information	Landslide		No.	1

Estimated population		Inhabitants	No.	Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Assets		Built-up	No.	0	0	0	0	41
		Residential Buildings	No.	0	0	0	0	21
		Institutional	No.	0	0	0	0	3
		Police station	No.	0	0	0	0	3
		Fire station	No.	0	0	0	0	217
		Wholesale and retail trade buildings	No.	0	0	0	0	2
		Industrial buildings	No.	0	0	0	0	2
		Public entertainment buildings	No.	0	0	0	0	3
		Museums and libraries	No.	0	0	0	0	18
		School, university and research buildings	No.	0	0	0	0	2
		Hospital or institutional care buildings	No.	0	0	0	0	18
		Buildings used as places of worship and for religious activities	No.	0	0	0	0	2
		Communication buildings, stations, terminals and associated buildings	No.	0	0	0	0	15,681
		Unclassified	No.	0	0	0	0	
		Transportation	ha	0	0	0	0	1.3
		Harbours	km	0	0	0	0	11.8
		Highways	km	0	0	0	0	3.1
		Primary Road	km	0	0	0	0	10.9
		Secondary Road	km	0	0	0	0	163.7
		Local Road	km	0	0	0	0	1.0
		Cart Track	km	0	0	0	0	0.6
		Long-distance railways	ha	0	0	0	0	4.6
		Facilities	ha	0	0	0	0	25.5
		Power plant constructions	ha	0	0	0	0	0.5
		Sport and recreation constructions	ha	0	0	0	0	
		Heavy industrial plants, not elsewhere classified	ha	0	0	0	0	
		Land use	ha				0	21.1
		Forests	ha				0	3.5
		Shrub and/or herbaceous vegetation association	ha				0	6.0
		Inland wetlands	ha				0	1,049.1
		Other	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://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.

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

Access to the portal

