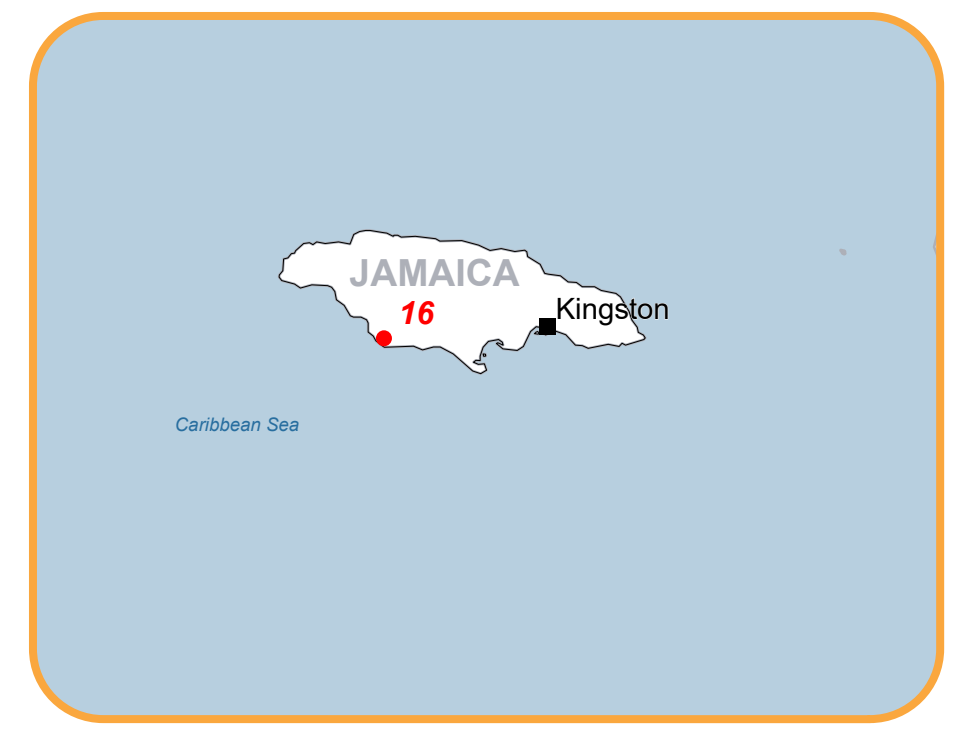


EMSR847 - AOI16
Tropical storm Melissa in the Caribbean
BIG WOODS

Situation as of 29/10/2025 15:26 UTC
Grading - Overview map 01





Flooded area
195.6 ha



Potentially affected population
~ 300

Affected Built-up and Transportations
















Built-Up
154 No.








Road
6.5 km

Crisis Information

-  Flooded Area
-  Flood trace
- Built Up Grading**
-  Destroyed
-  Damaged
-  Possibly damaged
- Facilities Grading**
-  Destroyed
- Transportation Grading**
-  Road, Destroyed
-  Road, Damaged
-  Road, Possibly damaged
-  Main road, No visible damage
-  Local road, No visible damage
-  Track, No visible damage
-  Airfield runway, No visible damage

General Information


-  Area of Interest
-  Detail map
-  Not Analysed
- Placenames**
-  Placename
- Hydrography**
-  Lake, River

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 and Cuba. Copernicus EMS Rapid Mapping is requested to provide flood extent and damage assessment emergency mapping.

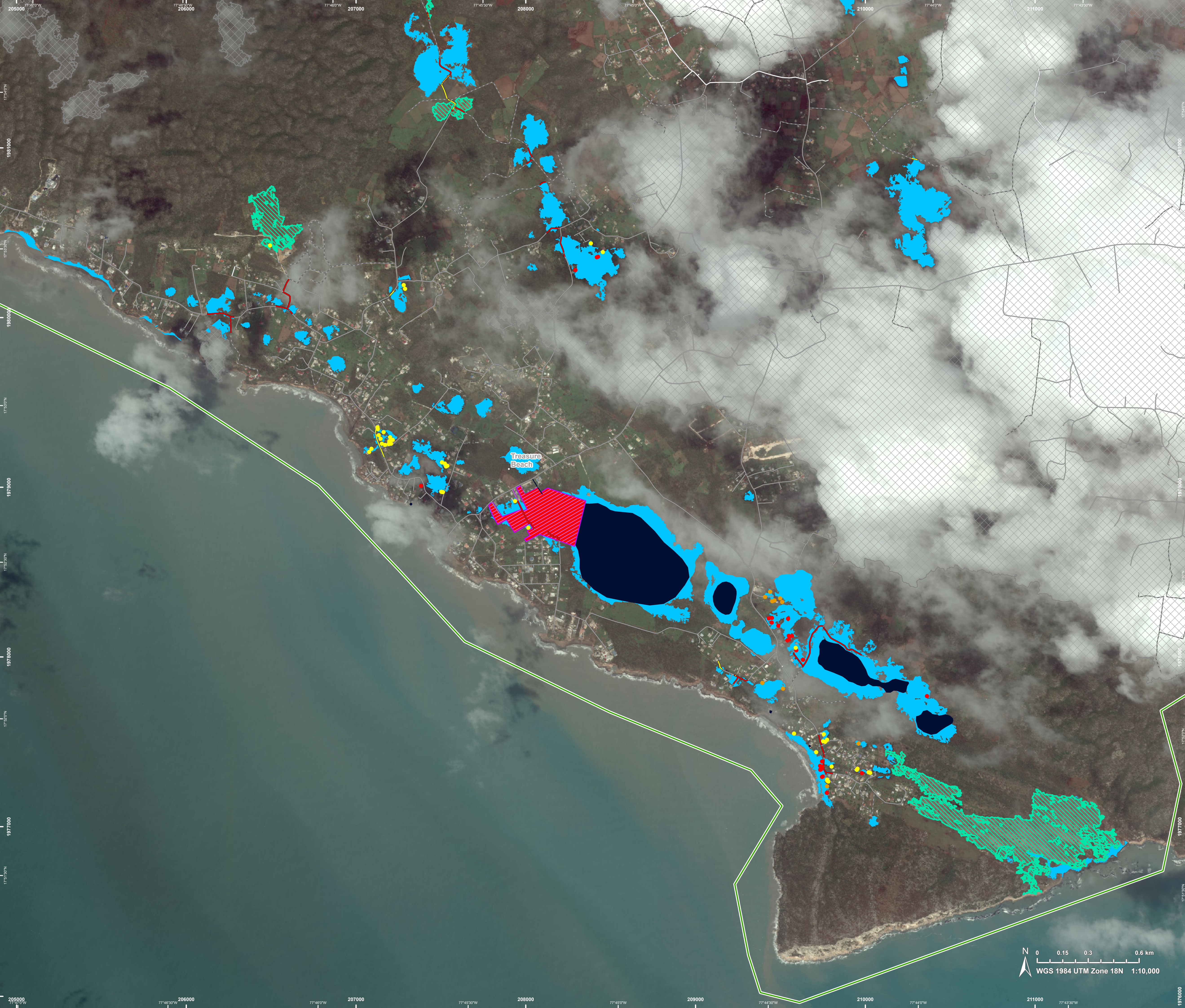
Data sources and analysis: Pre-event image: [WorldView-3] © Vantor (2025), provided by European Space Imaging (acquired on 09/02/2025 at 15:40 UTC, resolution 0.3 m). Post-event image: [WorldView-3] © Vantor (2025), provided by European Space Imaging (acquired on 29/10/2025 at 15:26 UTC, resolution 0.5 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 by means of visual interpretation. Due to dense cloud cover, the damage assessment is not complete.

Map produced by GAF AG released by e-GEOS on the 30/10/2025.



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



EMSR847 - AOI16
Tropical storm Melissa in the Caribbean
BIG WOODS

Situation as of 29/10/2025 15:26 UTC
Grading - Detail map 02



- Crisis Information**

 - Flooded Area
 - Flood trace
 - Built Up Grading**
 - Destroyed
 - Damaged
 - Possibly damaged
 - Facilities Grading**
 - Destroyed
 - Transportation Grading**
 - Road, Destroyed
 - Road, Damaged
 - Road, Possibly damaged
 - Main road, No visible damage
 - Local road, No visible damage
 - Track, No visible damage
- General Information**

 - Area of Interest
 - Not Analysed
 - Placenames**
 - Placename
 - Hydrography**
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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 and Cuba. Copernicus EMS Rapid Mapping is requested to provide flood extent and damage assessment emergency mapping.

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Consequences within the AOI

				LATEST IMPACT	
				EO-based observation*	
Crisis information	Flood trace		Unit of measurement		
	Flooded area		ha		68.6
	Maximum of all extents**		ha		195.6
			ha		264.2

Estimated population		Inhabitants	No.	Destroyed	Damaged	Possibly damaged***	Total affected****	Total in AOI
Assets		Built-up	No.	59	31	64	154	7,683
		Residential Buildings	No.	0	0	0	0	5
		Wholesale and retail trade buildings	No.	0	0	0	0	1
		Public entertainment buildings	No.	0	0	0	0	1
		Museums and libraries	No.	0	0	0	0	1
		School, university and research buildings	No.	0	0	0	0	1
		Hotel buildings	No.	0	0	0	0	10
		Other short-stay accommodation buildings	No.	0	0	0	0	1
		Transportation	km	0	0	0	0	0.7
		Airfield runways	km	0.1	0	0	0.1	3.9
		Highways	km	0	0	0	0	5.9
		Primary Road	km	0	0	0	0	19.4
		Secondary Road	km	2.3	0.1	2.0	4.4	166.0
		Local Road	km	1.2	0.01	0.8	2.0	88.8
		Cart Track	km	10.9	0	0	10.9	11.0
		Facilities	ha					
		Sport and recreation constructions	ha					
		Land use	ha					
		Shrub and/or herbaceous vegetation association	ha				115.1	3,248.8
		Forests	ha				103.7	5,544.7
		Heterogeneous agricultural areas	ha				21.6	506.8
		Inland wetlands	ha				19.8	165.9
		Other	ha				4.0	366.3

* Corresponds to the water surface observed in the most recent satellite imagery, excluding permanent water.

** Corresponds to the geographic union (and NOT the sum) of all Crisis Information layers.

*** It is intersected with the population and asset datasets to estimate the impacts.

**** 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 Digital Elevation Model (DEM) (Airbus, 2020).