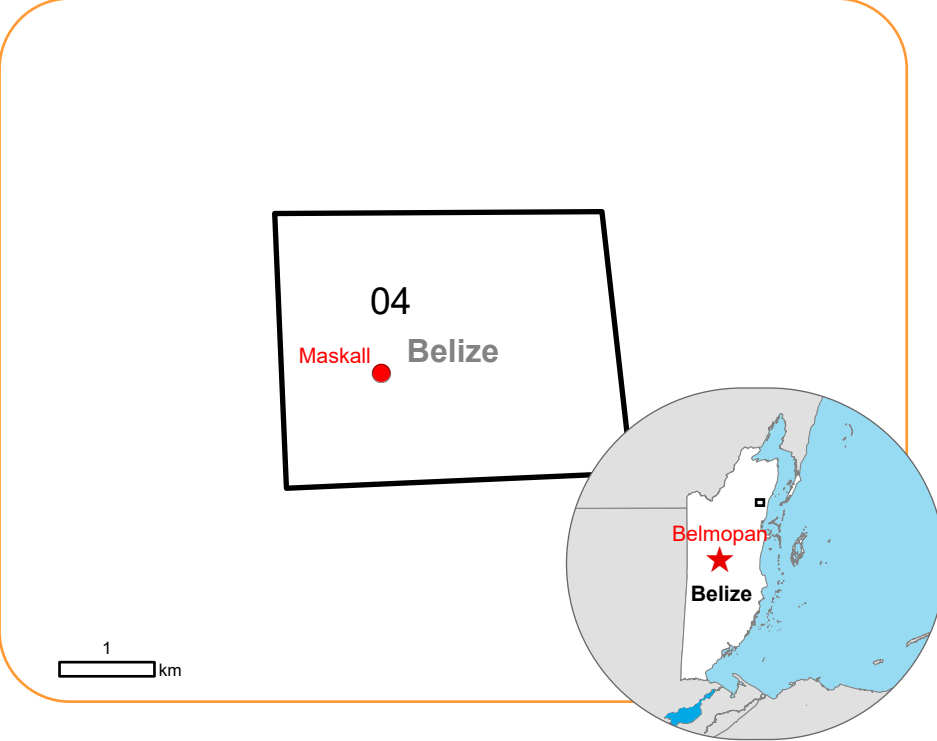


 EMSR777 - AOI04
Storm in Belize
MASKALL

Situation as of 22/11/2024 16:12 UTC
Grading - Overview map 01





 Flooded area 22.8 ha
Flood trace 16.0 ha

 Potentially affected population ~40




Affected Built-up and Transportations

 Built-Up
16 No.




Crisis Information

-  Flooded Area
-  Flood trace




Built Up Grading

-  Destroyed
-  Damaged
-  Possibly damaged


Transportation Grading

-  Main road, No visible damage
-  Local road, No visible damage
-  Track, No visible damage


General Information

-  Area of Interest
-  Detail map
-  Not Analysed

Placenames

-  Placename

Hydrography

-  Lake, River

Event: On the 15 November 2024 at 03:00 UTC, Tropical Storm Sara scraped along northern Honduras' Caribbean coast, dumping torrential rains across parts of Central. Sara hit land about 105 miles west-northwest of Cabo Gracias a Dios on the Honduras-Nicaragua border, that is near Brus Laguna, a village of about 13,000 inhabitants. There are a few other population centers nearby. The storm is expected to remain roughly on that path before heading out to sea again and threatening the coast of Belize. Copernicus EMS Rapid Mapping is requested to provide delineation and damage assessment emergency mapping.

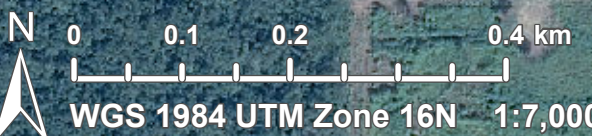
Data sources and analysis: Pre-event image: Pléiades-1A/B © CNES (2022), distributed by Airbus DS (acquired on 30/01/2022 at 16:37 UTC, resolution 0.5 m).
Post-event image: WorldView-3 © Maxar Technologies, Inc. (2024), (acquired on 22/11/2024 at 16:12 UTC, resolution 0.5 m).
This image is used as background image.

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

Map produced by IABG released by SERTIT on the 23/11/2024.

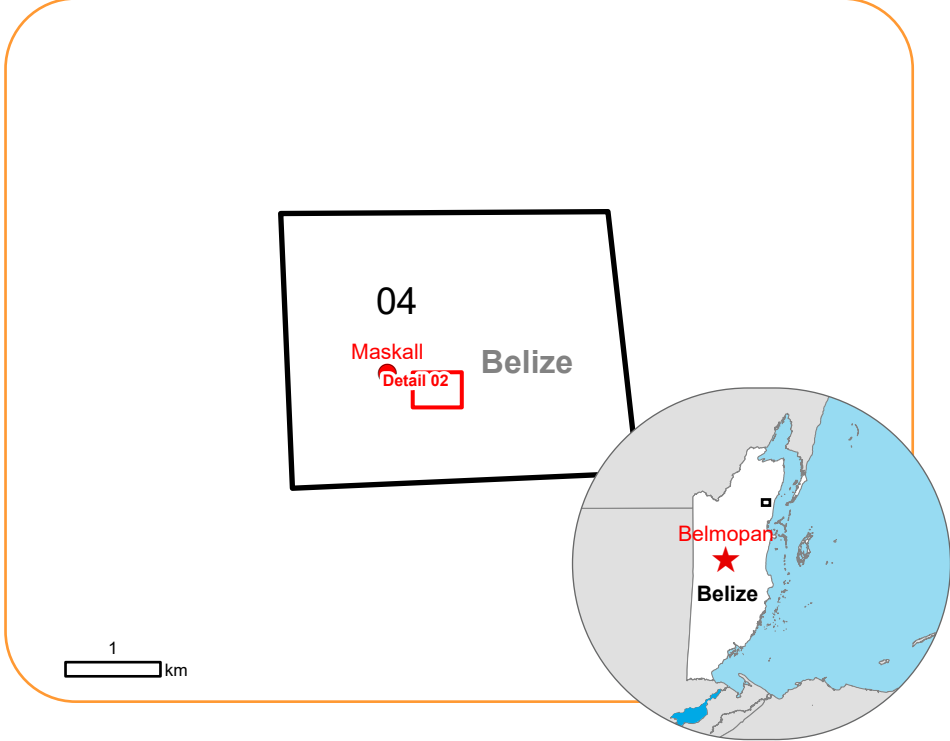
Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR777>





 EMSR777 - AOI04
Storm in Belize
MASKALL

Situation as of 22/11/2024 16:12 UTC
Grading - Detail map 02





Crisis Information

-  Flooded Area
-  Flood trace



General Information

-  Area of Interest
-  Not Analysed

Built Up Grading

-  Damaged
-  Possibly damaged

Transportation Grading

-  Local road, No visible damage
-  Track, No visible damage

Event: On the 15 November 2024 at 03:00 UTC, Tropical Storm Sara scraped along northern Honduras' Caribbean coast, dumping torrential rains across parts of Central. Sara hit land about 105 miles west-northwest of Cabo Gracias a Dios on the Honduras-Nicaragua border, that is near Brus Laguna, a village of about 13,000 inhabitants. There are a few other population centers nearby. The storm is expected to remain roughly on that path before heading out to sea again and threatening the coast of Belize. Copernicus EMS Rapid Mapping is requested to provide delineation and damage assessment emergency mapping.

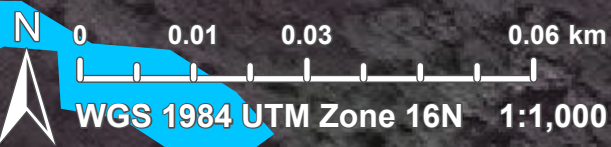
Data sources and analysis: Pre-event image: Pléiades-1A/B © CNES (2022), distributed by Airbus DS (acquired on 30/01/2022 at 16:37 UTC, resolution 0.5 m).
Post-event image: WorldView-3 © Maxar Technologies, Inc. (2024), (acquired on 22/11/2024 at 16:12 UTC, resolution 0.5 m).
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Consequences within the AOI						
	Unit of measurement	Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace	ha					16.0
Flooded area	ha					22.8
Estimated population	Number of inhabitants				~ 40	~ 1,300
Built-up	Residential Buildings	No. 2	6	4	12	139
	Other non-residential buildings	No. 0	0	0	0	2
	Unclassified	No. 0	3	1	4	279
Transportation	Secondary Road	km 0	0	0	0	3.3
	Local Road	km 0	0	0	0	7.1
	Cart Track	km 0	0	0	0	11.0
Facilities	Constructions for mining or extraction	ha 0	0	0	0	1.7
	Other civil engineering works not elsewhere classified	ha 0	0	0	0	0.1
	Long-distance pipelines, communication and electricity lines	km 0	0	0	0	4.5
Land use	Forests	ha			20.5	774.4
	Heterogeneous agricultural areas	ha			14.7	178.2
	Shrub and/or herbaceous vegetation association	ha			3.1	21.9
	Other	ha			0.3	26.5
	Inland wetlands	ha			0.3	2.3
* 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,

Global Administrative Areas (2012), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

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



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