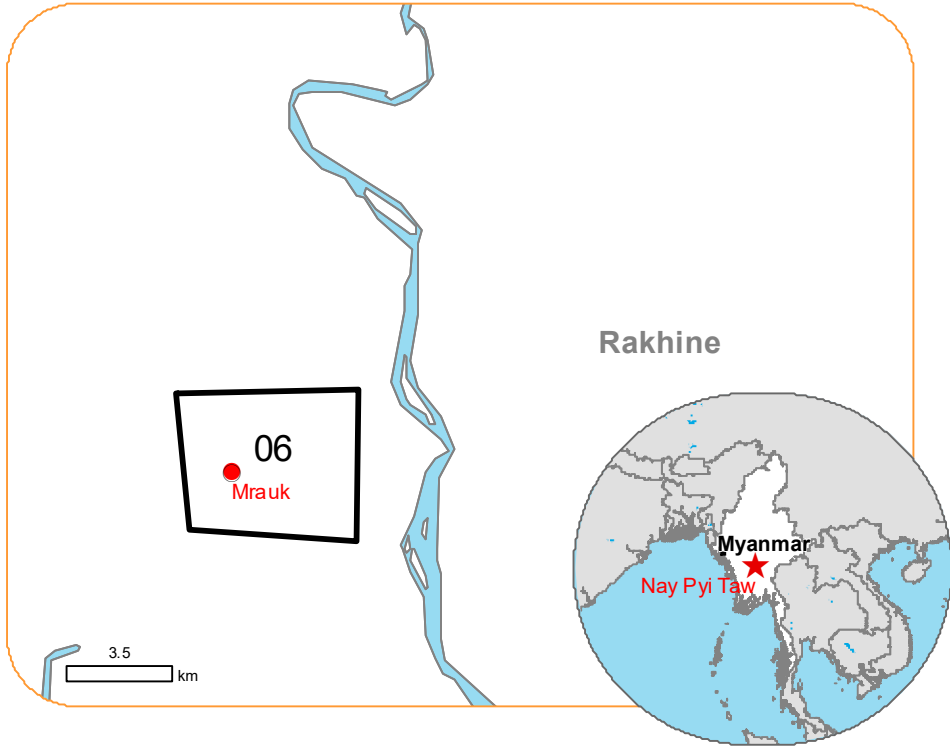




Situation as of 17/05/2023 04:35 UTC
Grading - Overview map 01



Flood trace 31.7 ha
Flooded area 12.1 ha
Potentially affected population ~ 200

Affected Built-up and Transportations

Built-Up 316 No.
Road 6.8 km

Crisis Information

Temporary camp

Flooded Area

Flood trace

Built-Up Grading

- Residential Building, Destroyed
- Residential Building, Damaged
- Residential Building, Possibly damaged
- Unclassified Building, Not Analysed

Transportation Grading

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Airfield and Heliport, No visible damage

General Information

Area of Interest

Detail map

Placenames

Placename

Hydrography

- River
- Stream
- Lake
- Land Subject to Inundation
- Reservoir
- River

All data displayed on the map(s), as well as the Land Use -Land Cover layer, is available in the Crisis Information Package and the Base Layer Package (for reference data). All products and data are also available for download on the activation webpage.

Event:
Tropical cyclone MOCHA-23 formed over the southern Bay of Bengal on 11 May with predicted category 3 and winds up to 204km/h. It is expected to landfall on Sunday in Sittwe city with maximum sustained winds up to 165 km/h. Exposed population in category 1 or higher up to 2.6 million people.

Data sources and analysis: Pre-event image: Pléiades-1A/B © CNES (2021), distributed by Airbus DS (acquired on 07/05/2021 at 04:28 UTC, resolution 0.5 m). Post-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 17/05/2021 at 04:35 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.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer, Copernicus Global Land Service: Land Cover (2019). Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2022 https://ghsl.jrc.ec.europa.eu/ghs_pop2022.php

The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 100 sq m.

Map produced by GAF AG released by e-GEOS on the 18/05/2023.

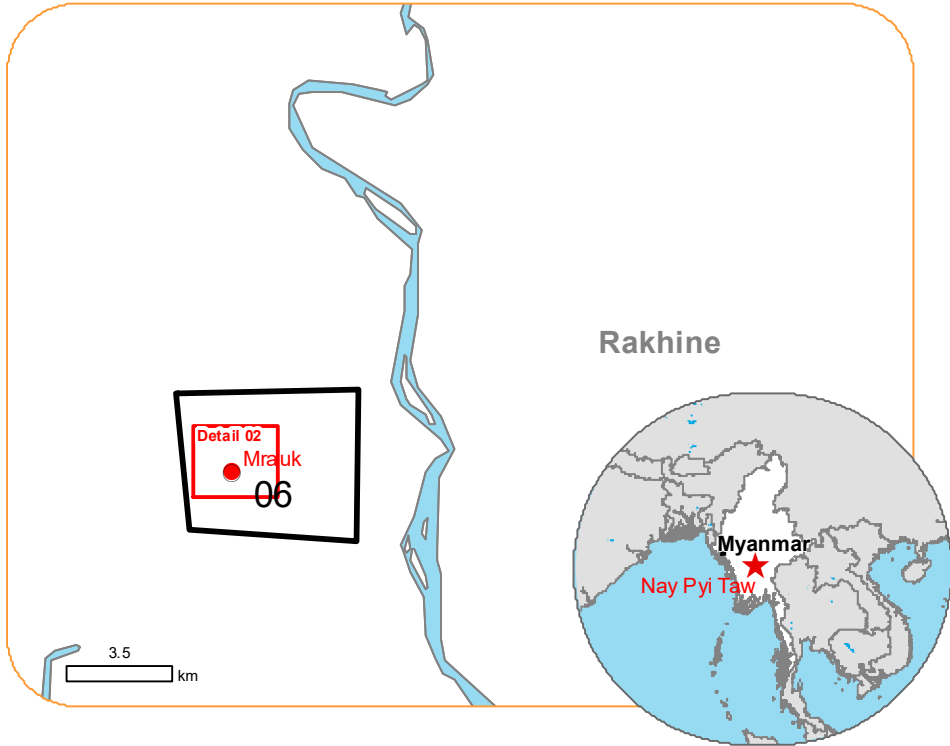
Details on this activation and service conditions available through the QR code or at the link: <https://emergency.copernicus.eu/EMSR661>





EMSR661 - AOI06
Storm in Myanmar
MRAUK

Situation as of 17/05/2023 04:35 UTC
Grading - Detail map 02



Flood trace 0.7 ha
(2% of total in AOI)
Flooded area 5.5 ha
(45% of total in AOI)

Potentially affected population
~ 200

Affected Built-up and Transportations

Built-Up
112 No.
(35% of total affected)

Road
1.5 km
(22% of total affected)

Crisis Information

- Temporary camp
- Flooded Area
- Flood trace

Built-Up Grading

- Residential Building, Destroyed
- Residential Building, Damaged
- Residential Building, Possibly damaged
- Unclassified Building, Not Analysed

Transportation Grading

- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Main road, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Airfield and Heliport, No visible damage

General Information

- Area of Interest
- Placenames
- Hydrography

All data displayed on the map(s), as well as the Land Use -Land Cover layer, is available in the Crisis Information Package and the Base Layer Package (for reference data). All products and data are also available for download on the activation webpage.

Event:
Tropical cyclone MOCHA-23 formed over the southern Bay of Bengal on 11 May with predicted category 3 and winds up to 204km/h. It is expected to landfall on Sunday in Sittwe city with maximum sustaining winds up to 165 km/h. Exposed population in category 1 or higher up to 2.6 million people.

Data sources and analysis: Pre-event image: Pléiades-1A/B © CNES (2021), distributed by Airbus DS (acquired on 07/05/2021 at 04:28 UTC, resolution 0.5 m).
Post-event image: Pléiades-1A/B © CNES (2023), distributed by Airbus DS (acquired on 17/05/2021 at 04:35 UTC, resolution 0.5 m). This image is used as background image.
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Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2022
https://ghsl.jrc.ec.europa.eu/ghs_pop2022.php

The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 100 sq m.

Map produced by GAF AG released by e-GEOS on the 18/05/2023.

Details on this activation and service conditions available through the QR code or at the link:
<https://emergency.copernicus.eu/EMSR661>

EMSR661 AOI: 06 Mrauk Grading

Consequences within the AOI								
	Unit of measurement			Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace		ha						31.7
Flooded area		ha						12.1
Tropical Cyclone, Hurricane, Typhoon		ha						0.2
Ancillary Crisis Information	Temporary camp/Tents	No.						40
Estimated population	Number of inhabitants						~ 200	~ 64,000
Built-up	Residential Buildings	No.		30	182	104	316	316
	Unclassified	No.		0	0	0	0	243
Transportation	Helipad	ha		0.0	0.0	0.0	0.0	0.0
	Primary Road	km		0.0	0.0	0.0	0.0	7.4
	Local Road	km		0.0	0.0	1.6	1.7	36.4
	Cart Track	km		0.3	1.6	3.3	5.2	31.7
Facilities	Sport and recreation constructions	ha		0.0	0.0	0.0	0.0	1.2
	Long-distance pipelines, communication and electricity lines	km		0.0	0.0	0.0	0.0	2.1
			Very high damage	High damage	Moderate damage	Negligible to slight damage	Total affected**	Total in AOI
Land use	Heterogeneous agricultural areas	ha	NA	NA	NA	NA	39.5	1,699.9
	Forests	ha	NA	NA	NA	NA	3.2	897.8
	Other	ha	NA	NA	NA	NA	1.2	145.3
	Shrub and/or herbaceous vegetation association	ha	NA	NA	NA	NA	0.0	2.3
	Inland wetlands	ha	NA	NA	NA	NA	0.0	8.0
* 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://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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PROGRAMME OF THE
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