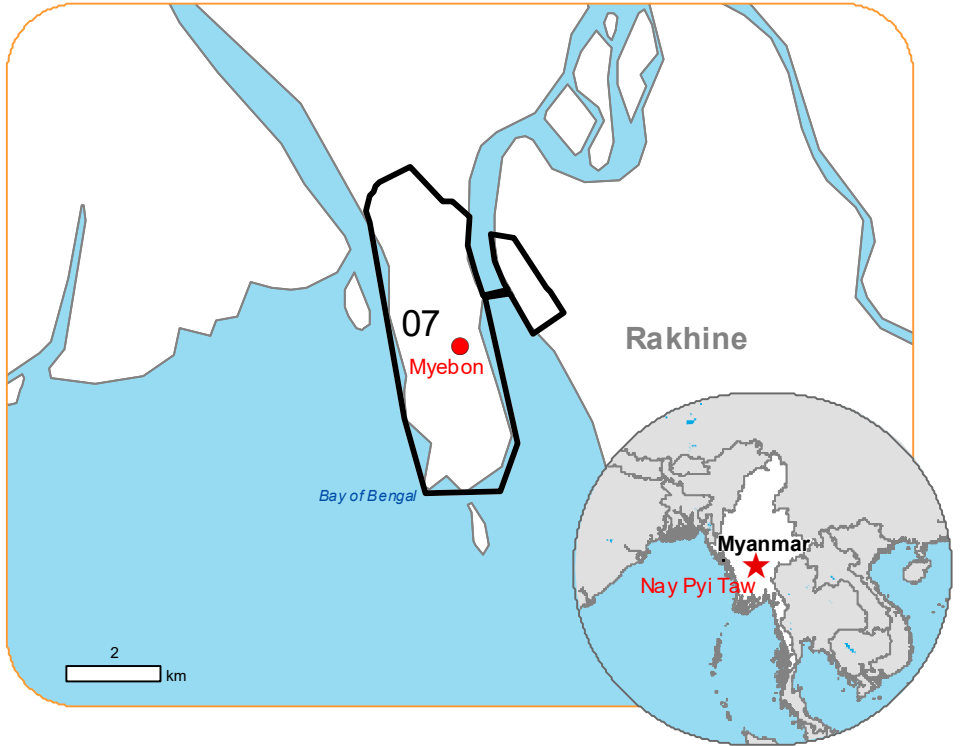


Situation as of 17/05/2023 04:36 UTC
Grading - Overview map 01



Observed Event
Flooded area 388.7 ha

Potentially affected population
~ 800

Potentially Affected Built-up and Transportations

Built-up
1492 No.

Bridge
1 No.

Facilities
1.1 ha

Road
42.2 km

Crisis Information

Flooded Area

Built-Up Grading

- Unclassified Building, Possibly damaged
- Unclassified Building, Damaged
- Unclassified Building, Destroyed

Facilities Grading

Damaged

Transportation Grading

- Bridge and elevated highway, Possibly damaged
- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Berthing Structure, Destroyed
- Berthing Structure, Possibly damaged
- Main road, No visible damage

Local road, No visible damage

Track, No visible damage

General Information

Area of Interest

Detail map

Placenames

Placename

Hydrography

Coastline

River

Lake

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 11th of May 2023 with predicted category 3 and winds up to 204km/h. It is expected to landfall on Sunday 14th of May in Sittwe city with maximum sustained winds up to 165km/h. Exposed population can be up to 2.6 million people.

Data sources and analysis: Pre-event image: Pléiades-1B © CNES (2021), distributed by Airbus DS (acquired on 23/01/2021 at 04:29 UTC, resolution 0.5 m).
Post-event image: Pléiades-1B © CNES (2023), distributed by Airbus DS (acquired on 17/05/2023 at 04:36 UTC, resolution 0.5 m).

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 © EuroGeographics, Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

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

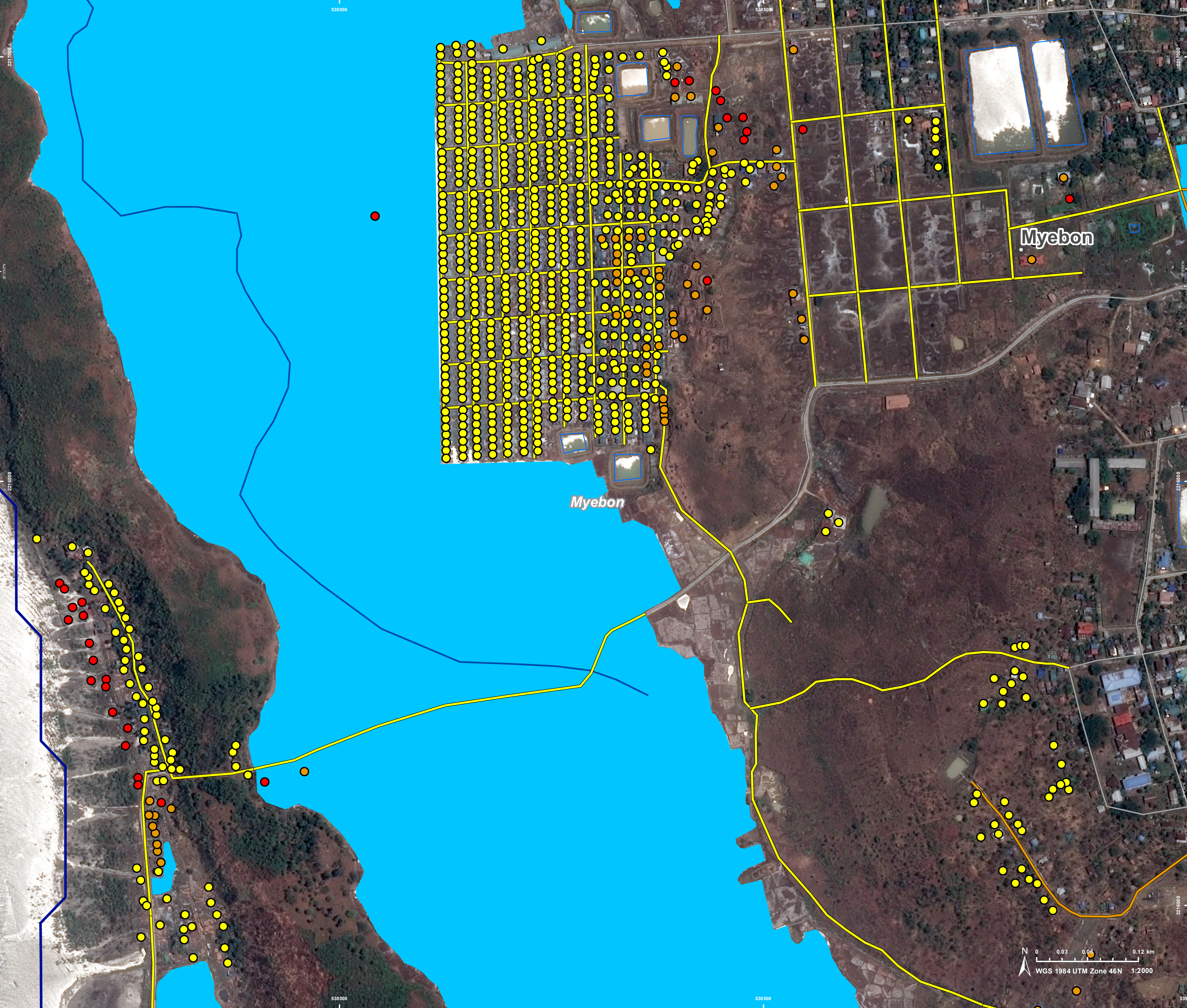
The thematic layer has been derived from post-event satellite image using a semi-automatic approach.
The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 6.0 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 576 sq m.

Map produced by GMV released by e-GEOS on the 17/05/2023.

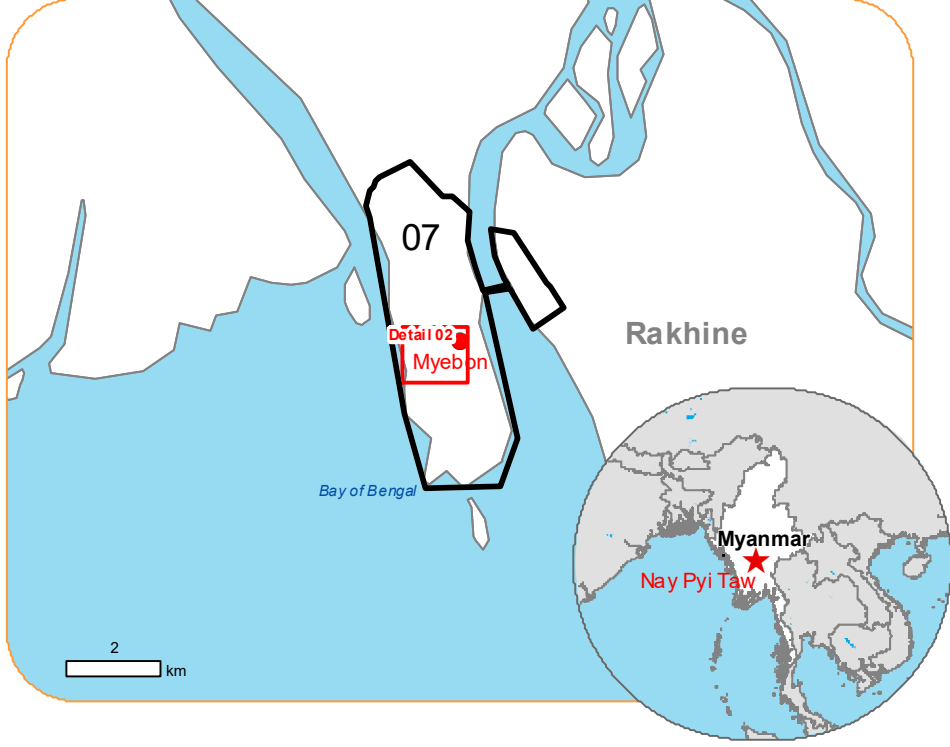
Details on this activation and service conditions available through the QR code or at the link:
<https://emergency.copernicus.eu/EMSR661>



N
0 0.175 0.35 0.7 km
WGS 1984 UTM Zone 46N 1:12000



Situation as of 17/05/2023 04:36 UTC
Grading - Detail map 02



 Observed Event
Flooded area 56.9 ha
14.6% of total in AOI


 Potentially affected
population
~ 250

Potentially Affected Built-up and Transportations




 Built-up
849 No.
56.9% of potentially
affected

 Road
11.7 km
27% of potentially
affected




Crisis Information

 Flooded Area


Built-Up Grading

-  Unclassified Building, Possibly damaged
-  Unclassified Building, Damaged
-  Unclassified Building, Destroyed


Transportation Grading

-  Road, Damaged
-  Road, Possibly damaged
-  Local road, No visible damage




General Information

 Area of Interest

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-  River
-  Lake

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

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Map produced by GMV released by e-GEOS on the 17/05/2023.

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N 0 0.03 0.06 0.12 km
WGS 1984 UTM Zone 46N 1:2000

EMSR661 AOI: 07 Myebon Grading

Consequences within the AOI								
	Unit of measurement			Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flooded area		ha						388.7
Estimated population	Number of inhabitants						~ 800	~ 26,000
Built-up	Public entertainment buildings	No.		0	0	0	0	NA
	Hospital or institutional care buildings	No.		0	0	0	0	NA
	Buildings used as places of worship and for religious activities	No.		0	0	0	0	NA
	Unclassified	No.		121	272	1,099	1,492	NA
Transportation	Berthing Structure	km		0.6	0.0	0.2	0.8	0.8
	Primary Road	km		0.0	0.0	0.0	0.0	3.6
	Local Road	km		0.0	1.9	27.1	29.0	43.1
	Cart Track	km		0.7	1.8	10.0	12.5	15.3
	Bridges and elevated highways	No.		0	0	1	1	1
Facilities	Sport and recreation constructions	ha		0.0	1.1	0.0	1.1	1.1
			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	372.5	911.6
	Shrub and/or herbaceous vegetation association	ha	NA	NA	NA	NA	9.3	83.0
	Forests	ha	NA	NA	NA	NA	4.5	135.1
	Other	ha	NA	NA	NA	NA	1.2	292.8
* 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
EUROPEAN UNION

