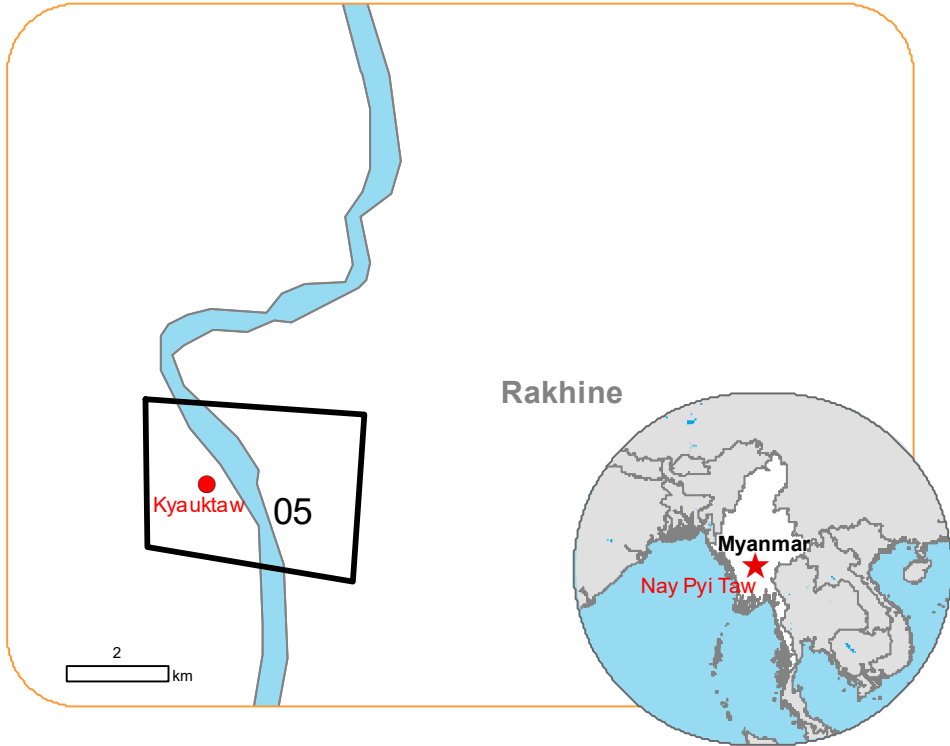




Situation as of 14/05/2023 23:36 UTC
Delineation - Overview map 01














 Observed Event
Flooded area 23.7 ha

 Potentially affected population
~ 250

Potentially Affected Transportations

 Road
0.1 km

Crisis Information	Transportation
 Flooded Area	 Main road
General Information	 Local road
 Area of Interest	 Track
Placenames	 Railway
 Placename	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).
Built-Up Area	All products and data are also available for download on the activation webpage.
 Non residential	
Hydrography	
 River	
 Reservoir	
 River	

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 165km/h. Exposed population in category 1 or higher up to 2.6 million people.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2023) (acquired on 08/05/2023 at 04:32 UTC, resolution 10.0 m). This image is used as background image.
Post-event image: COSMO-SkyMed © ASI (2023), distributed by e-GEOS S.p.A. (acquired on 14/05/2023 at 23:36 UTC, resolution 3.0 m). 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, Globe Land 30 (2010), 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
Digital Elevation Model: SRTM 30 m (NASA/USGS).

The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.
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 GAF AG released by e-GEOS on the 15/05/2023.

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



EMSR661 AOI: 05 Kyauktaw Delineation

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha		23,7
Estimated population		Number of inhabitants	~ 250	~ 53.000
Built-up	Communication buildings, stations, terminals and associated buildings	No.	0	2
Transportation	Primary Road	km	0,0	3,5
	Local Road	km	0,1	43,9
	Cart Track	km	0,0	8,6
	Long-distance railways	km	0,0	1,7
Land use	Heterogeneous agricultural areas	ha	22,7	734,2
	Forests	ha	0,5	398,7
	Other	ha	0,3	382,0
	Inland wetlands	ha	0,2	9,3
	Shrub and/or herbaceous vegetation association	ha	0,0	18,6
	Open spaces with little or no vegetation	ha	0,0	2,7

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

© European Union / Copernicus Emergency Management Service



PROGRAMME OF THE
EUROPEAN UNION

