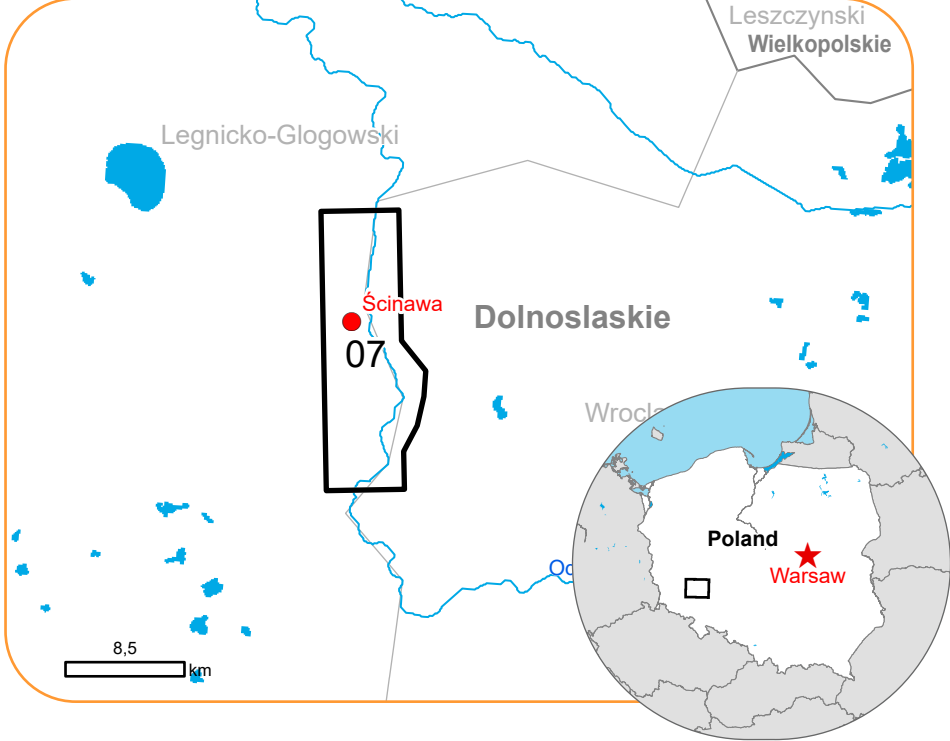


Situation as of 20/09/2024 05:12 UTC
Delineation MONIT01 - Overview map 01



Flooded area
923.1 ha

Potentially affected
population
~ 30

Potentially Affected Built-up and Transportations

Road
17.1 km

Estimated flood depth (m)

Below 0.50
0.50 - 1.00
1.00 - 2.00
2.00 - 4.00
4.00 - 6.00

Built-Up Area

Residential
Non residential

Hydrography

Lake, River

Facilities

Long-distance pipelines
or lines
Local pipelines or lines

Crisis Information

Maximum Flood Extent

General Information

Area of Interest

Administrative Boundaries

Province

Municipality

Placenames

Placename

Sport and recreation
constructions

Water or Aquatic
infrastructure

Transportation

Main road

Local road

Track

Railway

Event: Due to heavy rainfall in Middle and Eastern Europe, flooding is forecast to affect Polish regions close to the Czechia Border. Flooding is expected from 14 September 2024 onwards. Copernicus EMS Rapid Mapping is requested to provide flood extent emergency mapping and monitoring.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2024) (acquired on 06/09/2024 at 10:03 UTC, resolution 10.0 m). This image is used as background image. Post-event image: RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2024) (acquired on 20/09/2024 at 05:12 UTC, resolution 3.0 m).

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 flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The maximum flood extent corresponds to the flood observed in all previous products (cumulative analysis). The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.

Map produced by IABG released by e-GEOS on the 20/09/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR756>

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Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Flooded area*		ha		923,1
Maximum flood extent**		ha		1.026,5
Estimated population	Number of inhabitants		~ 30	~ 8.900
Built-up	Residential Buildings	ha	0	424,7
	Office buildings	ha	0	0,1
	Wholesale and retail trade buildings	ha	0	0,7
	Industrial buildings	ha	0	32,5
	Cemetery	ha	0	4,9
Transportation	Primary Road	km	0,01	8,3
	Secondary Road	km	0,02	26,2
	Local Road	km	0	65,1
	Cart Track	km	17,0	281,2
	Long-distance railways	km	0	33,2
Facilities	Settling Basin	ha	0	0,1
	Sport and recreation constructions	ha	0	25,0
	Long-distance pipelines, communication and electricity lines	km	0,5	33,6
	Local pipelines and cables	km	0	1,1
Land use	Pastures	ha	740,0	1.700,5
	Forests	ha	74,2	2.568,0
	Other	ha	57,9	922,4
	Arable land	ha	50,6	6.253,6
	Heterogeneous agricultural areas	ha	0,4	176,0
	Shrub and/or herbaceous vegetation association	ha	0,1	316,2

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

** Corresponds to the water observed in all previous products and in all crisis imagery, excluding permanent water (cumulative analysis).

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.

Access to 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,

Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 ©EuroGeographics.

Inset Maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

Digital Elevation Model: FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

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



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