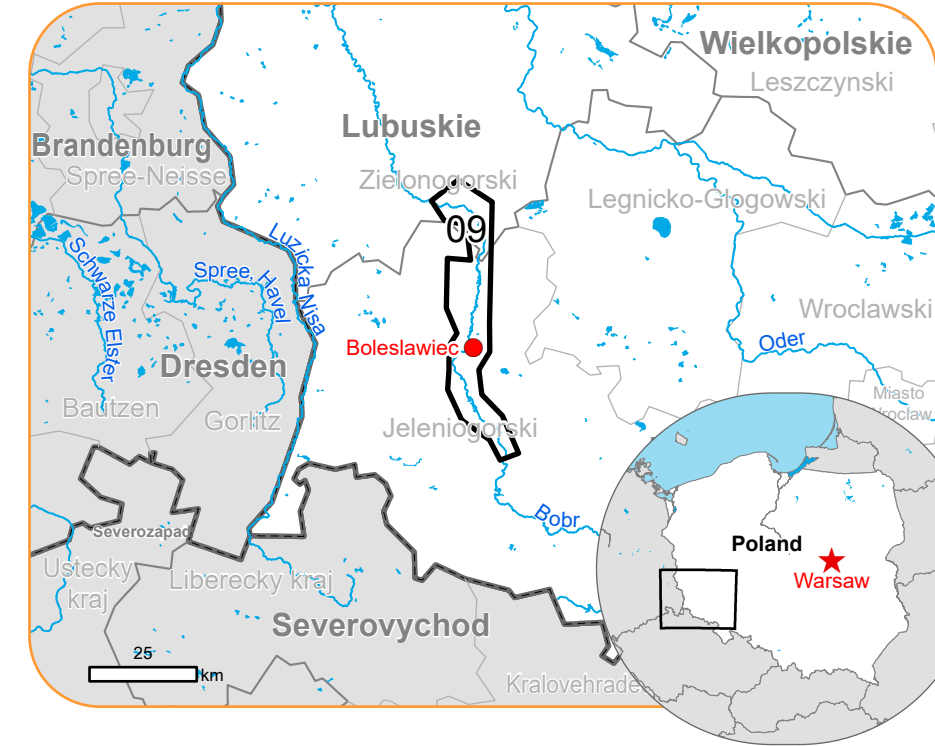




EMSR756 - AOI09
Flood in South West Poland
BOLESŁAWIEC

Situation as of 21/09/2024 10:51 UTC

Delineation - Overview map 01



Flooded area
356.6 ha



Potentially affected
population
~ 700

Potentially Affected Built-up and Transportations



Road
67.4 km



Railway
2.6 km



Built-Up
54.6 ha

Estimated flood depth (m)

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

General Information

- Area of Interest
- Detail map

Administrative Boundaries

- Region
- Province
- Municipality

Placenames

- Placename

Built-Up Area

- Residential
- Non residential

- School, university and research buildings
- Hospital or institutional care buildings
- Military

Hydrography

- Lake, River
- Mining or extraction site
- Power plant
- Sport and recreation constructions
- Dump Site
- Water or Aquatic infrastructure
- Dam

Transportation

- Highway
- Main road
- Railway
- Airfield
- Helipad

Full table available in the vector package

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 04/09/2024 at 10:05 UTC, resolution 10.0 m).
Post-event image: Sentinel-2A/B (2024) (acquired on 21/09/2024 at 10:51 UTC, resolution 10.0 m).
This image is used as background image.
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The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

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

Map produced by IABG released by SERTIT on the 22/09/2024.

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



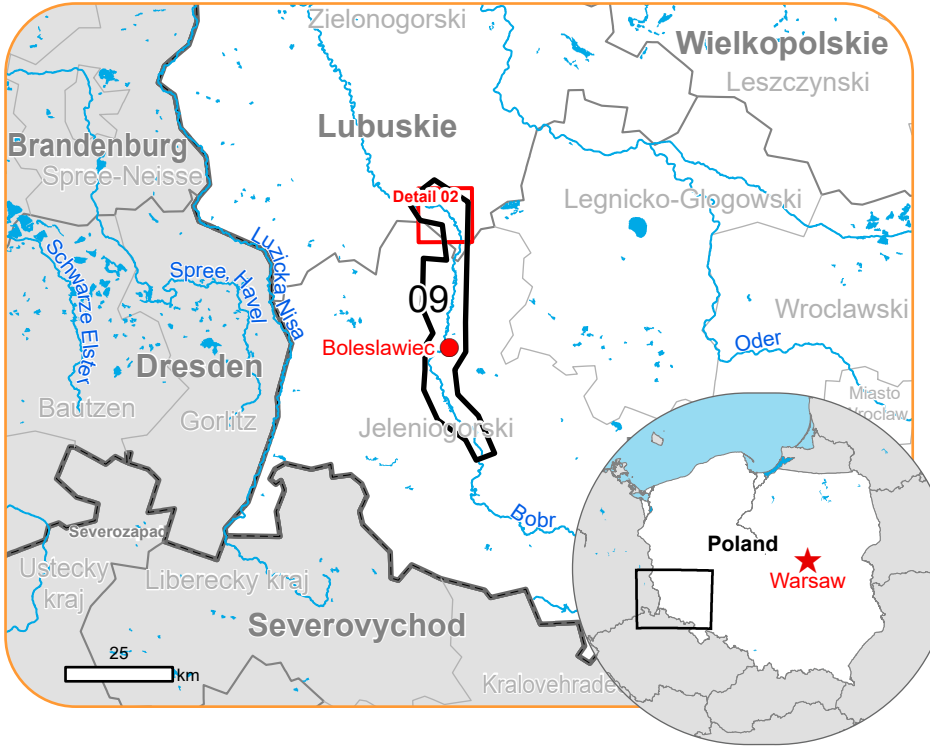
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EMSR756 - AOI09
Flood in South West Poland
BOLESŁAWIEC

Situation as of 21/09/2024 10:51 UTC
Delineation - Detail map 02



Estimated flood depth (m)	
	Below 0.50
	0.50 - 1.00
	1.00 - 2.00
	2.00 - 4.00
	Flood trace
General Information	
	Area of Interest
Administrative Boundaries	
	Region
	Municipality
Placenames	
	Placename
Built-Up Area	
	Residential
	Non residential
	School, university and research buildings
	Hospital or institutional care buildings
	Military
Hydrography	
	Lake, River
	Power plant
	Sport and recreation constructions
	Dump Site
	Water or Aquatic infrastructure
Transportation	
	Main road
	Railway
	Airfield

Full table available in the vector package

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 04/09/2024 at 10:05 UTC, resolution 10.0 m).
Post-event image: Sentinel-2A/B (2024) (acquired on 21/09/2024 at 10:51 UTC, resolution 10.0 m).
This image is used as background image.
All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

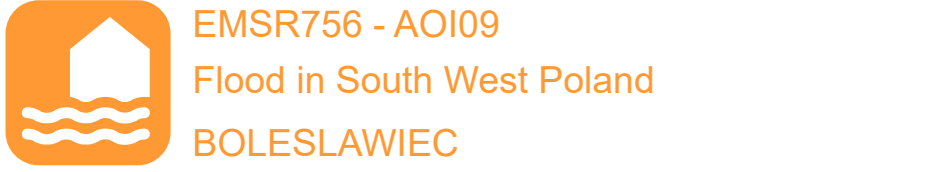
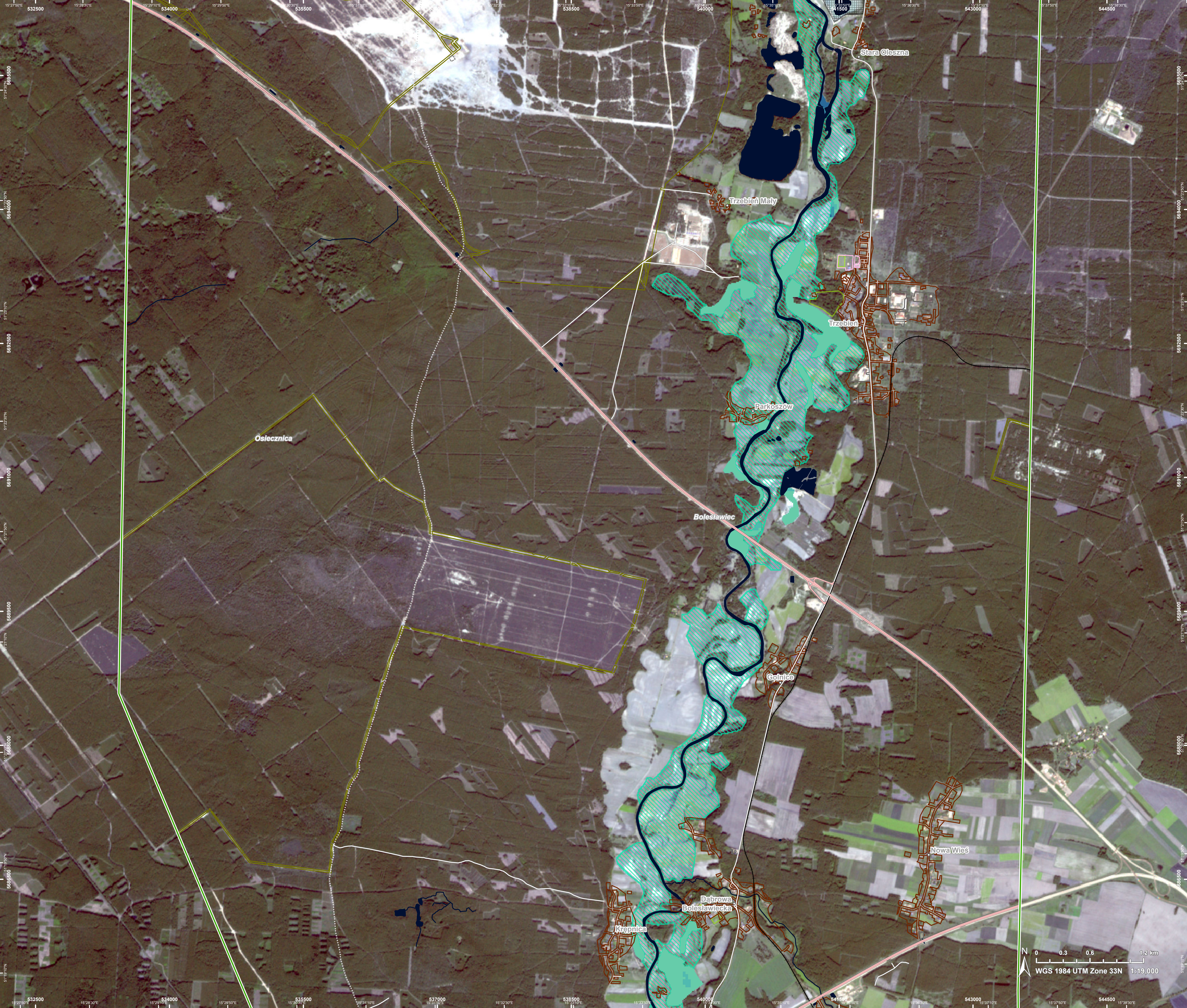
The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

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

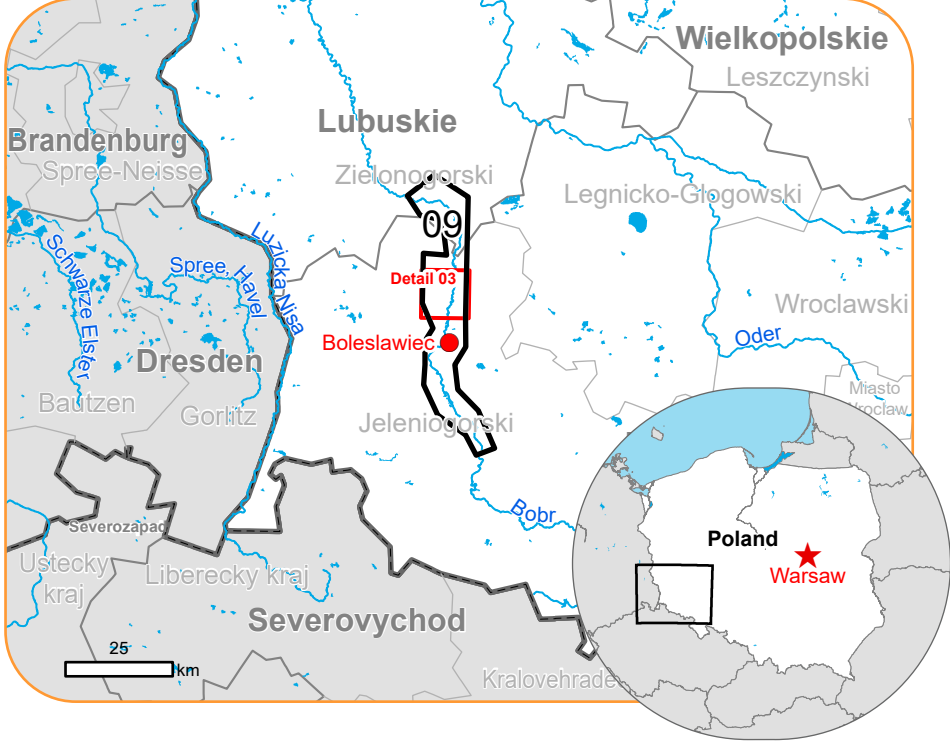
Map produced by IABG released by SERTIT on the 22/09/2024.

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





Situation as of 21/09/2024 10:51 UTC
Delineation - Detail map 03



Estimated flood depth (m)		Non residential
Below 0.50		School, university and research buildings
0.50 - 1.00		Military
1.00 - 2.00		Hydrography
2.00 - 4.00		Lake, River
Flood trace		Mining or extraction site
General Information		Sport and recreation constructions
Area of Interest		Transportation
Administrative Boundaries		Highway
Municipality		Main road
Placenames		Railway
Placename		Helipad
Built-Up Area		
Residential		

Full table available in the vector package

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.

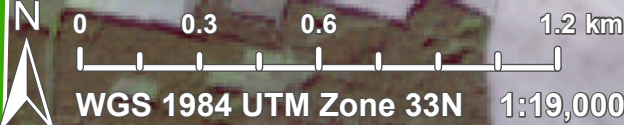
Data sources and analysis: Pre-event image: Sentinel-2A/B (2024) (acquired on 04/09/2024 at 10:05 UTC, resolution 10.0 m).
Post-event image: Sentinel-2A/B (2024) (acquired on 21/09/2024 at 10:51 UTC, resolution 10.0 m).
This image is used as background image.
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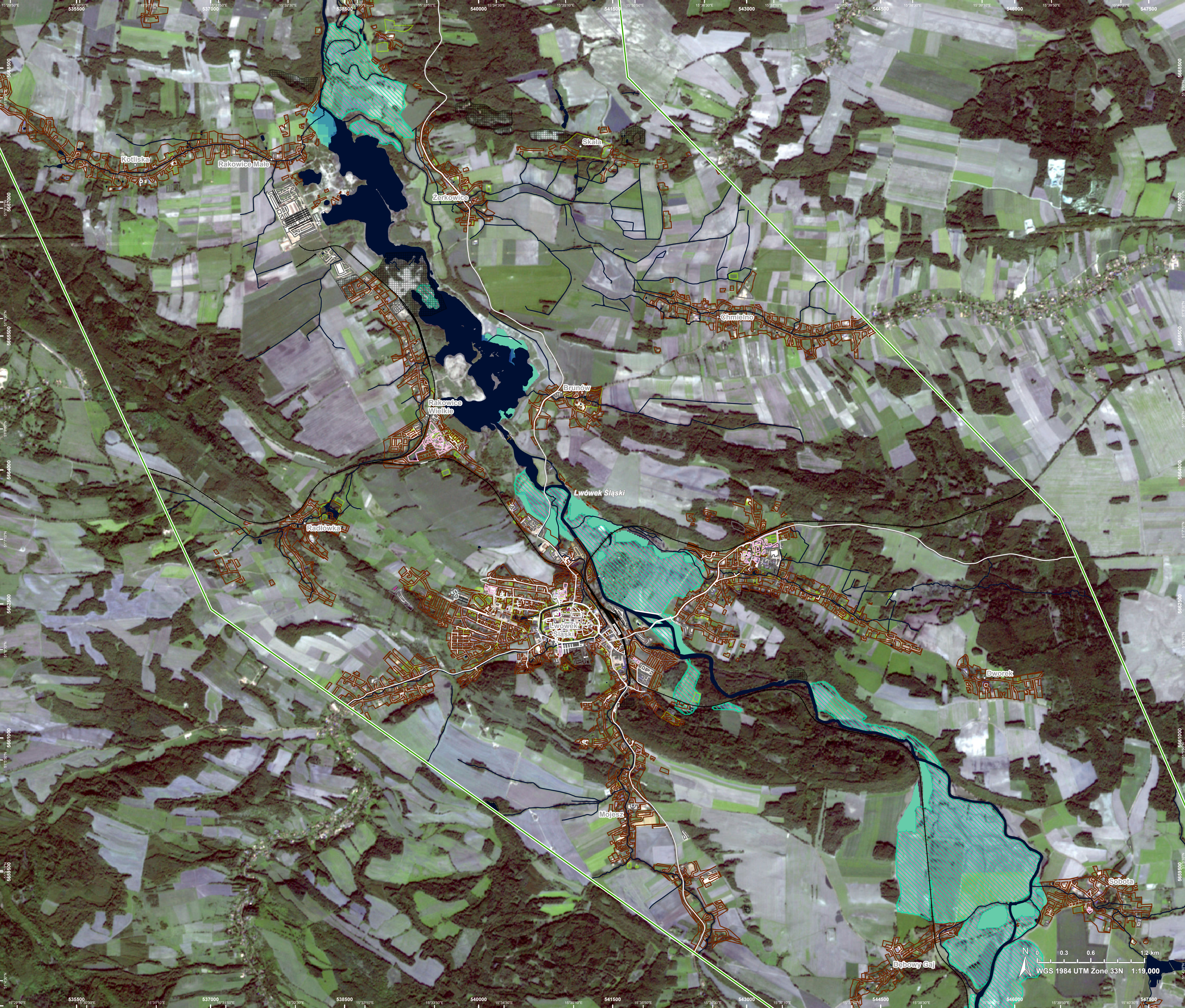
The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

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

Map produced by IABG released by SERTIT on the 22/09/2024.

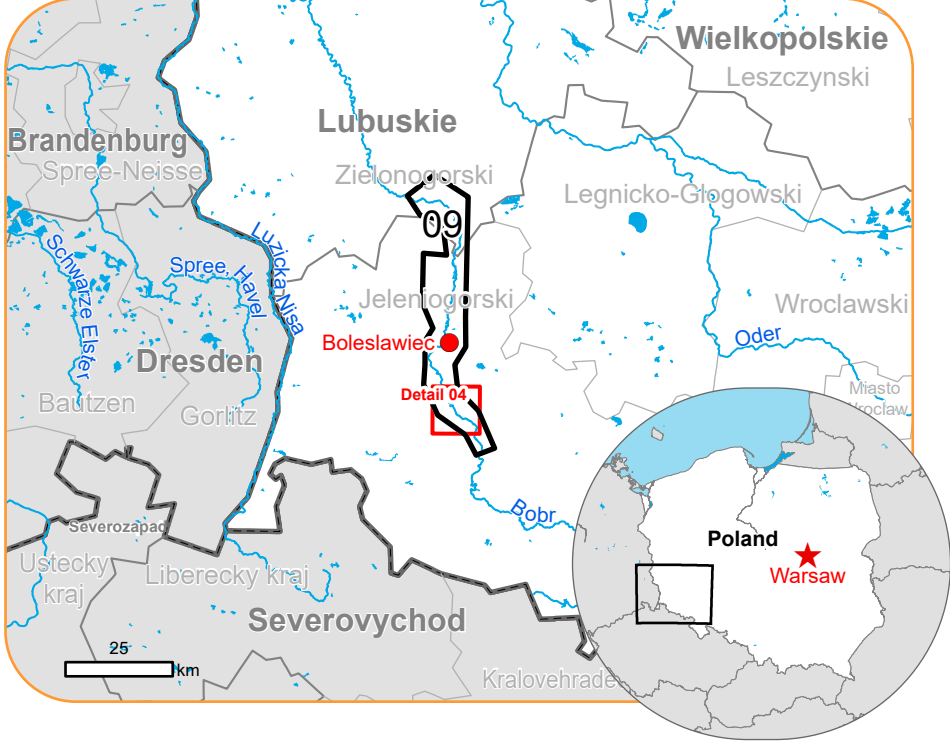
Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR756>





EMSR756 - AOI09
Flood in South West Poland
BOLESŁAWIEC

Situation as of 21/09/2024 10:51 UTC
Delineation - Detail map 04



- Estimated flood depth (m)**
- Below 0.50
 - 0.50 - 1.00
 - 1.00 - 2.00
 - 2.00 - 4.00
 - 4.00 - 6.00
- General Information**
- Area of Interest
- Placenames**
- Placename
- Built-Up Area**
- Residential
 - Non residential
- Hydrography**
- Lake, River
 - Mining or extraction site
 - Power plant
 - Sport and recreation constructions
 - Water or Aquatic infrastructure
 - Dam
- Transportation**
- Main road
 - Railway
- School, university and research buildings**
- Hospital or institutional care buildings**

Full table available in the vector package

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.

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The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

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Consequences within the AOI				
	Unit of measurement	Affected	Total in AOI	
Flood trace	ha		2,062.1	
Flooded area	ha		356.6	
Estimated population	Number of inhabitants	~ 700	~ 83,000	
Built-up	Residential Buildings	ha	40.4	3,178.9
	Office buildings	ha	0	26.8
	Wholesale and retail trade buildings	ha	0.04	11.3
	Industrial buildings	ha	0.1	364.5
	Museums and libraries	ha	4.6	97.7
	School, university and research buildings	ha	0	24.9
	Sports halls	ha	9.5	113.4
	Hospital or institutional care buildings	ha	0	8.8
	Military	ha	0	4,383.2
	Cemetery	ha	0	27.1
Transportation	Airfield runways	ha	0	108.3
	Helipad	ha	0	0.2
	Highways	km	1.1	47.6
	Primary Road	km	2.1	116.8
	Secondary Road	km	0.6	78.0
	Local Road	km	19.5	867.6
	Cart Track	km	44.0	1,644.1
	Long-distance railways	km	2.6	146.1
Facilities	Settling Basin	ha	0.01	13.7
	Breakwater	ha	0	0.1
	Dams	ha	0	0.2
	Constructions for mining or extraction	ha	8.6	192.6
	Power plant constructions	ha	0.1	20.8
	Sport and recreation constructions	ha	3.1	185.0
	Other civil engineering works not elsewhere classified	ha	0	11.0
	Long-distance pipelines, communication and electricity lines	km	1.6	104.5
	Local pipelines and cables	km	29.8	263.3
	Dams	km	0.1	1.7
Land use	Arable land	ha	1,485.8	18,157.4
	Heterogeneous agricultural areas	ha	624.4	3,294.7
	Forests	ha	106.8	22,347.0
	Pastures	ha	103.2	788.4
	Other	ha	98.0	6,131.4
	Shrub and/or herbaceous vegetation association	ha	0.5	2,387.8
	Open spaces with little or no vegetation	ha	0	625.0

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.

FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

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



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