

Situation as of 18/09/2024 09:56 UTC  
Delineation - Overview map 01



 Flooded Area  
15.879,7 ha

 Potentially affected  
population  
~ 7.300

Potentially Affected Built-up and Transportations

 Built-up  
238.7 ha

 Road  
113.9 km

**Estimated flood depth (m)**

- Below 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 4.00
- 4.00 - 6.00
- Flood trace

**General Information**

- Area of Interest
- Detail map
- Image Footprint
- Not Analysed

**Administrative Boundaries**

- Region
- Province
- Municipality

**Placenames**

- Placename

**Hydrography**

- Lake, River

**Transportation**

- Highway
- Airfield
- Helipad

**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). Post-event image: Sentinel-2A/B (2024) (acquired on 18/09/2024 at 09:56 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.

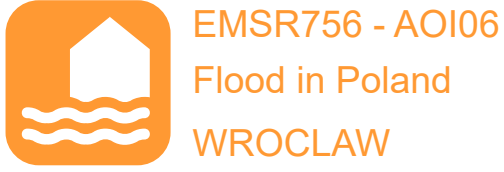
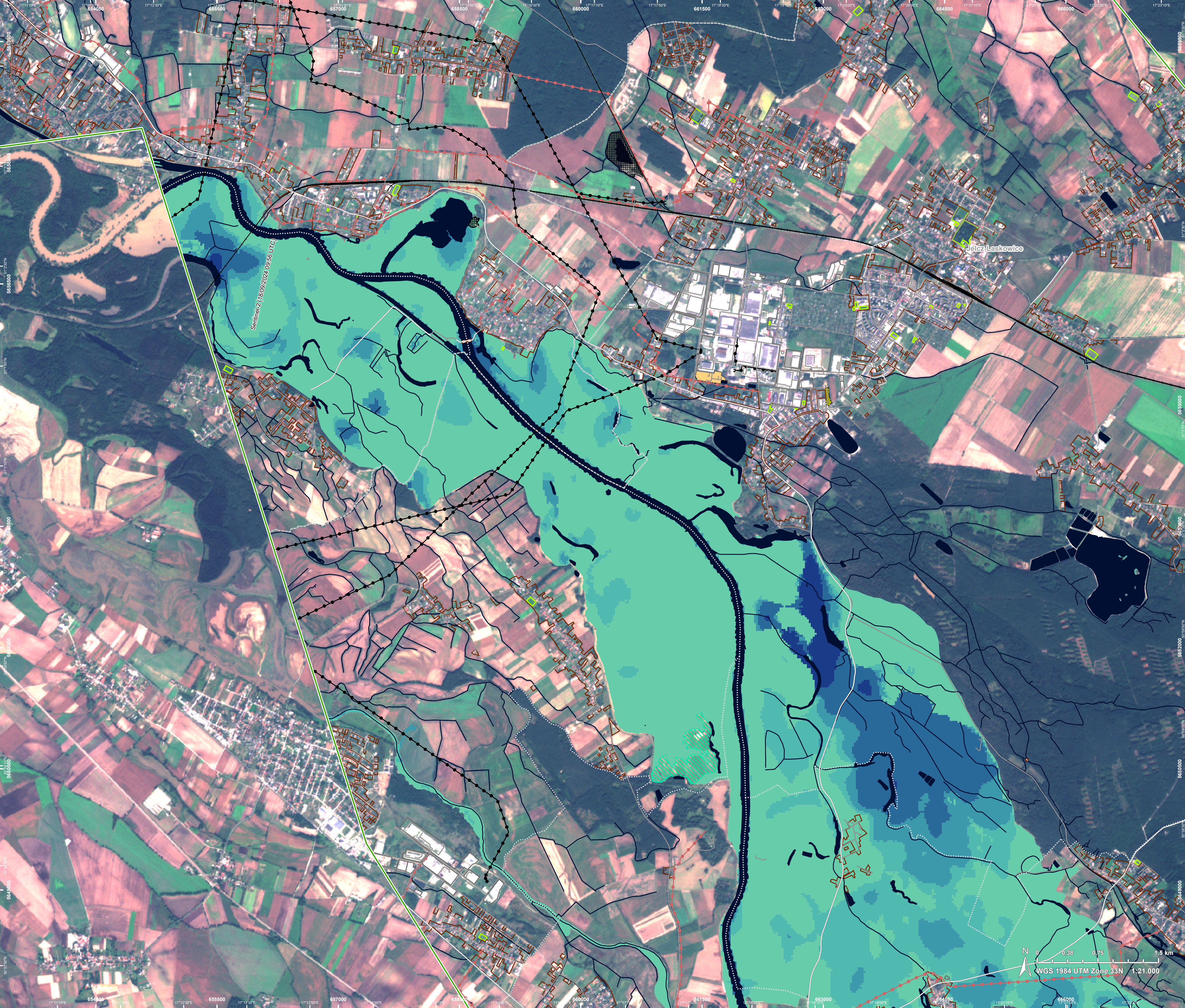
The flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.

Map produced by GAF AG released by SERTIT on the 19/09/2024.

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 18/09/2024 09:56 UTC**  
Delineation - Detail map 02



- Estimated flood depth (m)**

  - Below 0.50
  - 0.50 - 1.00
  - 1.00 - 2.00
  - 2.00 - 4.00
  - 4.00 - 6.00
  - Flood trace

**General Information**

  - Area of Interest
  - Image Footprint

**Administrative Boundaries**

  - Province
  - Municipality

**Placenames**

  - Placename

**Built-Up Area**

  - Residential
  - Non residential

**Hydrography**

  - Lake, River
- Facilities**

  - Long-distance pipelines or lines
  - Local pipelines or lines
  - Dam
  - Mining or extraction site
  - Sport and recreation constructions
  - Dump Site
  - Water or Aquatic infrastructure

**Transportation**

  - Main road
  - Local road
  - Railway

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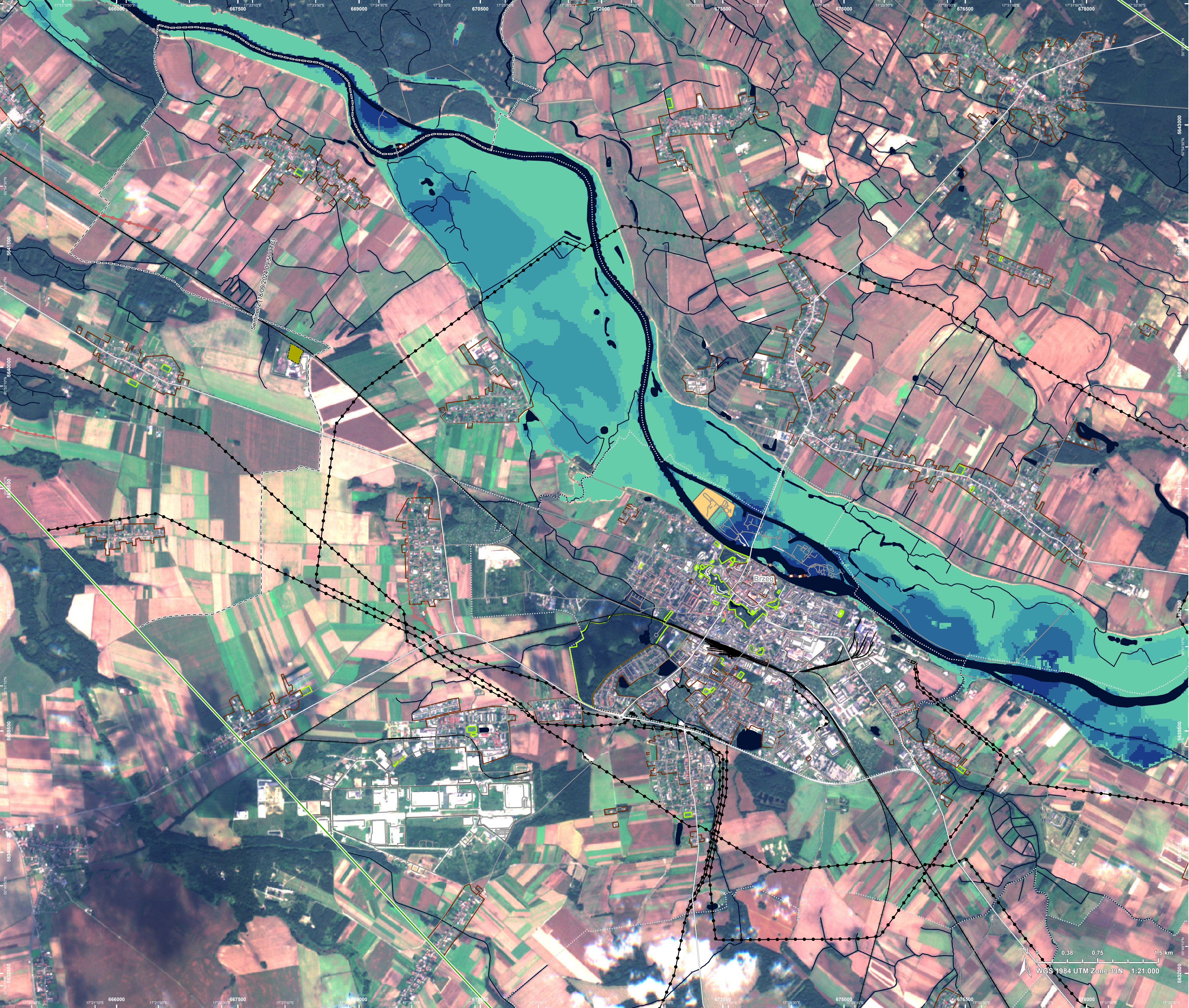
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EMSR756 - AOI06

Flood in Poland

WROCLAW

Situation as of 18/09/2024 09:56 UTC

Delineation - Detail map 03



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

Image Footprint

Administrative Boundaries

Region

Municipality

Placenames

Placename

Built-Up Area

Residential

Non residential

Hydrography

Lake, River

Facilities

Long-distance pipelines or lines

Local pipelines or lines

Dam

Sport and recreation constructions

Dump Site

Water or Aquatic infrastructure

Transportation

Main road

Local road

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.

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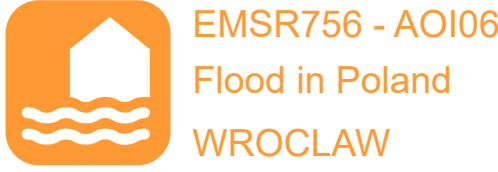
The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

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**Situation as of 18/09/2024 09:56 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
  - Flood trace

**General Information**

  - Area of Interest
  - Image Footprint

**Administrative Boundaries**

  - Province
  - Municipality

**Placenames**

  - Placename

**Built-Up Area**

  - Residential
  - Non residential

**Hydrography**

  - Lake, River
- Facilities**

  - Long-distance pipelines or lines
  - Local pipelines or lines
  - Dam
  - Sport and recreation constructions
  - Dam

**Transportation**

  - Main road
  - Local road
  - Railway

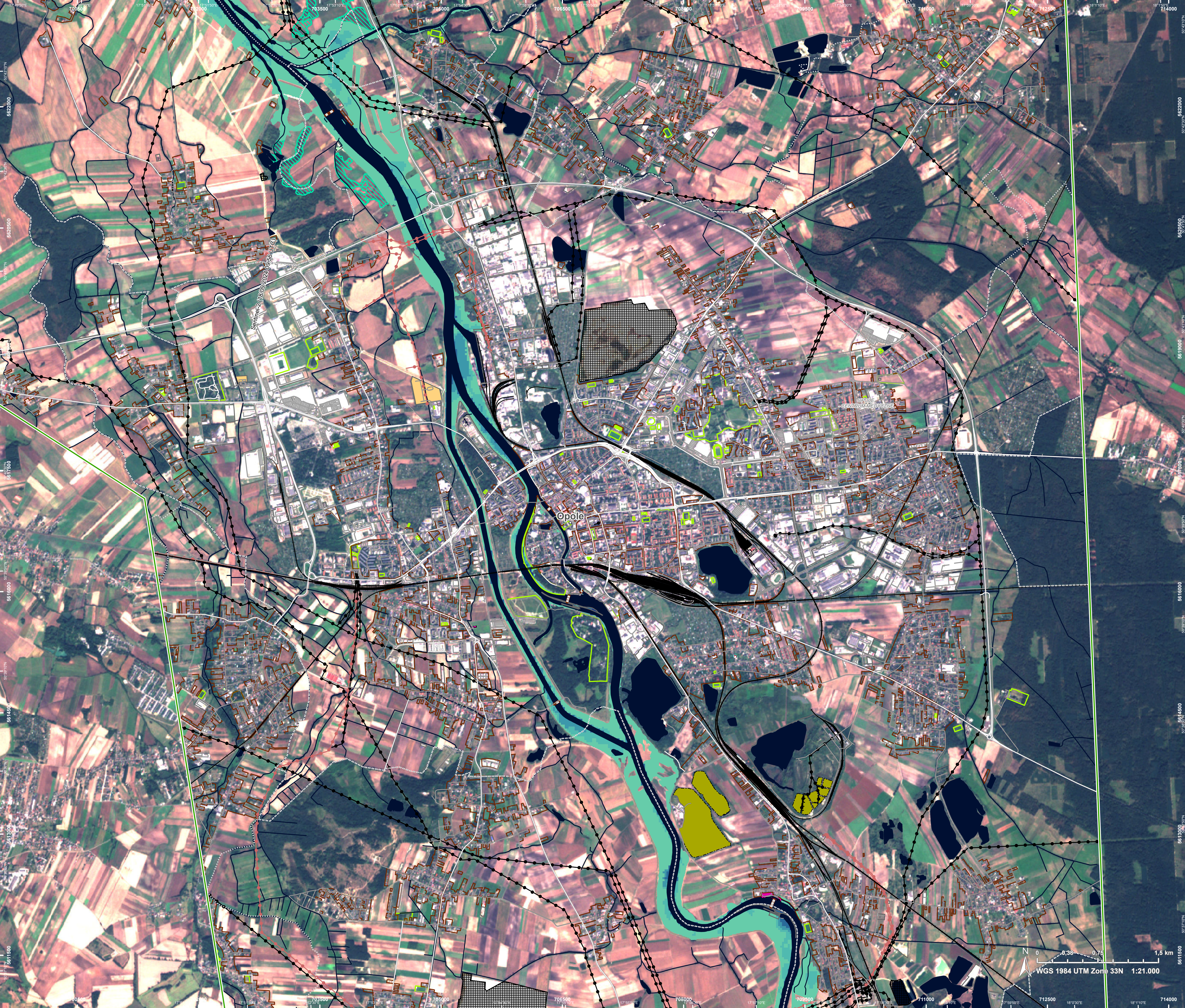
**Event:** Due to heavy rainfall in Middle and Eastern Europe, flooding is forecast to affect Polish regions close to the Czechia Border. Flooding is expected from 14 September 2024 onwards. Copernicus EMS Rapid Mapping is requested to provide flood extent emergency mapping and monitoring.

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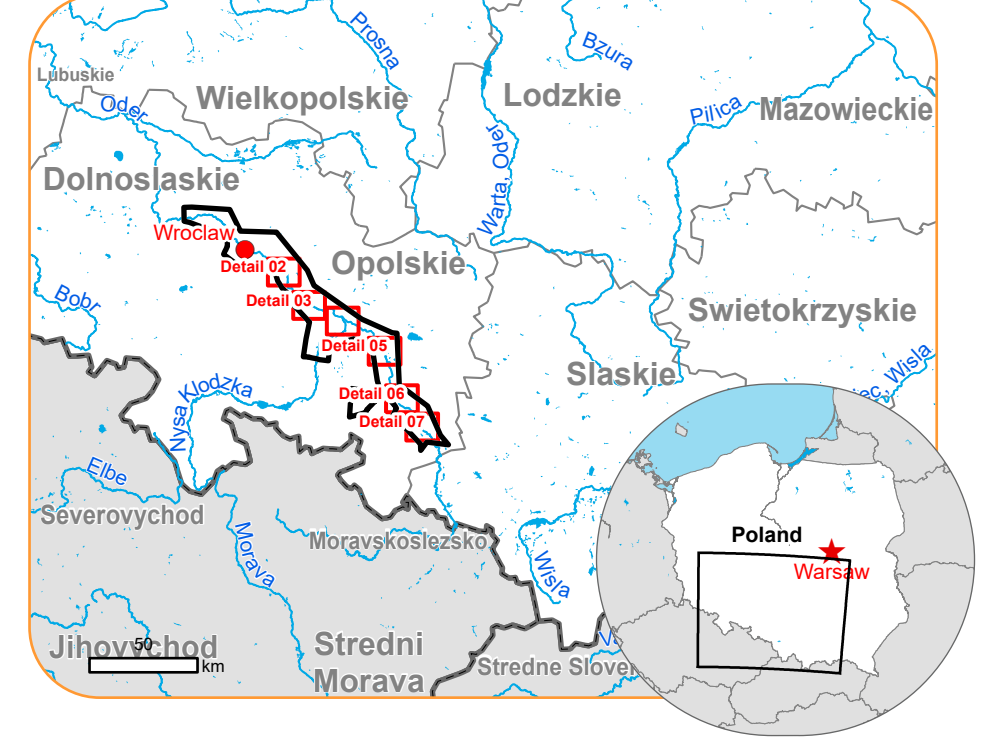
The flood depth information is based on the analysis of post-event satellite imagery and on Digital Elevation Model data. The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.





**EMS756 - AOI06**  
**Flood in Poland**  
**WROCLAW**

**Situation as of 18/09/2024 09:56 UTC**  
Delineation - Detail map 05



- | Estimated flood depth (m) | Facilities                         |
|---------------------------|------------------------------------|
| Below 0.50                | Long-distance pipelines or lines   |
| 0.50 - 1.00               | Local pipelines or lines           |
| 1.00 - 2.00               | Dam                                |
| 2.00 - 4.00               | Mining or extraction site          |
| 4.00 - 6.00               | Power plant                        |
| Flood trace               | Sport and recreation constructions |
| General Information       | Dump Site                          |
| Area of Interest          | Water or Aquatic infrastructure    |
| Image Footprint           | Transportation                     |
| Administrative Boundaries | Main road                          |
| Province                  | Local road                         |
| Municipality              | Railway                            |
| Placenames                | Helipad                            |
| Placename                 |                                    |
| Built-Up Area             |                                    |
| Residential               |                                    |
| Non residential           |                                    |
| Hydrography               |                                    |
| Lake, River               |                                    |

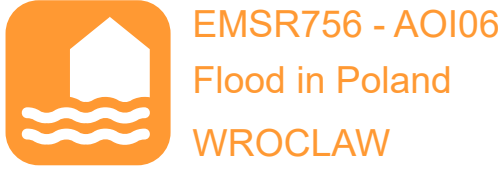
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Situation as of 18/09/2024 09:56 UTC  
Delineation - Detail map 06



**Estimated flood depth (m)**

- Below 0.50
- 0.50 - 1.00
- 1.00 - 2.00
- 2.00 - 4.00
- 4.00 - 6.00
- Flood trace

**General Information**

- Area of Interest
- Image Footprint

**Administrative Boundaries**

- Province
- Municipality

**Placenames**

- Placename

**Built-Up Area**

- Residential
- Non residential

**Hydrography**

- Lake, River

**Facilities**

- Long-distance pipelines or lines
- Local pipelines or lines
- Dam
- Sport and recreation constructions
- Dump Site
- Water or Aquatic infrastructure

**Transportation**

- Highway
- Main road
- Local road
- 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.

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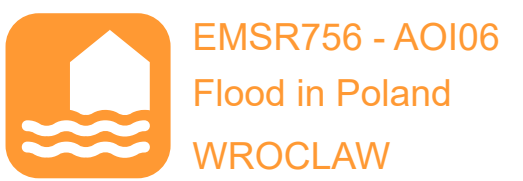
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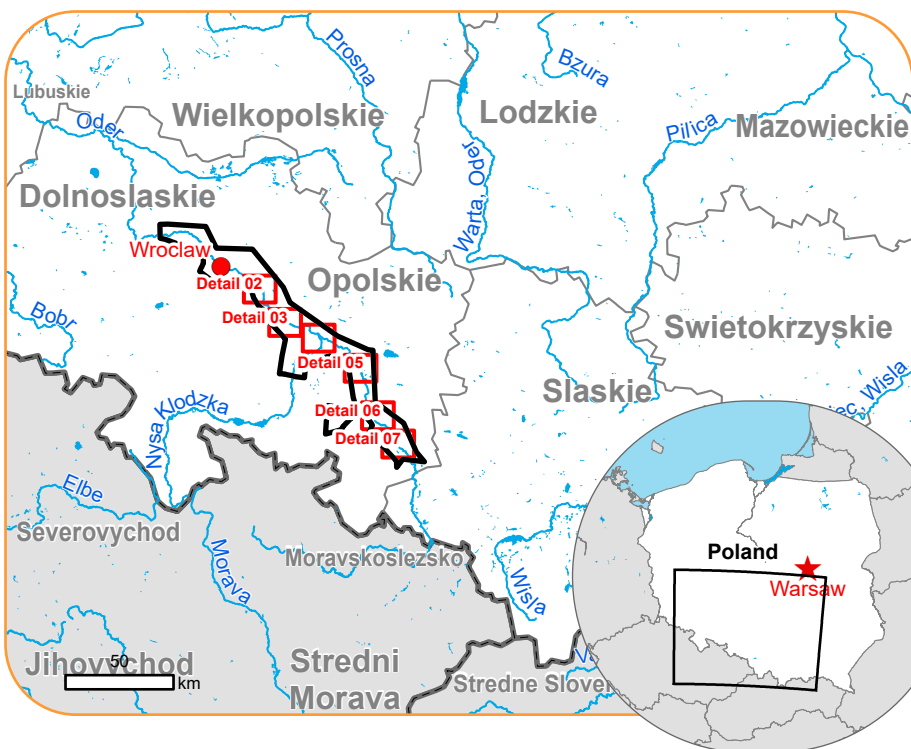
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Situation as of 18/09/2024 09:56 UTC  
Delineation - Detail map 07



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
- Image Footprint

Administrative Boundaries

- Province
- Municipality

Placenames

- Placename

Built-Up Area

- Residential
- Non residential

Hydrography

- Lake, River

Facilities

- Long-distance pipelines or lines
- Local pipelines or lines
- Dam
- Power plant
- Sport and recreation constructions
- Water or Aquatic infrastructure
- Transportation
  - Main road
  - Local road
  - Railway
  - Helipad

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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flood trace		ha		916,8
Flooded area		ha		15.879,7
Estimated population	Number of inhabitants		~ 7.300	1,100 Mio.
Built-up	Residential Buildings	ha	182,0	20.058,1
	Industrial buildings	ha	56,6	4.599,0
Transportation	Airfield runways	ha	0	16,7
	Helipad	ha	0	0,4
	Airfield runways	km	0	4,6
	Highways	km	3,5	137,3
	Primary Road	km	8,8	445,0
	Secondary Road	km	17,2	481,1
	Local Road	km	84,5	6.537,7
	Railway Yard	km	0	16,1
	Long-distance railways	km	8,5	1.720,9
Facilities	Settling Basin	ha	11,3	136,7
	Breakwater	ha	0	0,00
	Dams	ha	0,05	0,2
	Constructions for mining or extraction	ha	0,9	843,6
	Power plant constructions	ha	2,5	215,5
	Sport and recreation constructions	ha	11,8	1.655,8
	Other civil engineering works not elsewhere classified	ha	0	159,5
	Long-distance pipelines, communication and electricity lines	km	37,7	919,6
	Local pipelines and cables	km	5,4	476,1
	Breakwater	km	0	0,1
	Dams	km	0,04	3,3
Land use	Arable land	ha	9.343,0	117.743,9
	Pastures	ha	3.182,1	18.302,3
	Forests	ha	2.889,1	42.011,1
	Other	ha	952,5	46.022,3
	Heterogeneous agricultural areas	ha	388,0	6.148,5
	Inland wetlands	ha	24,6	25,3
	Shrub and/or herbaceous vegetation association	ha	17,1	2.808,5
	Permanent crops	ha	0,2	188,6

**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).



PROGRAMME OF THE  
EUROPEAN UNION

