

Situation as of 17/09/2024 10:08 UTC
Delineation - Overview map 01



Observed Event
1681.2 ha
Flood Trace
1.9 ha

Potentially affected population
~80

Potentially Affected Built-up and Transportations

Built-up
9.4 ha

Road
24.6 km

- Estimated flood depth (m)**
- Below 0.50
 - 0.50 - 1.00
 - 1.00 - 2.00
 - 2.00 - 4.00
 - 4.00 - 6.00
- Hydrography**
- Lake, River
- Facilities**
- Long-distance pipelines or lines
 - Local pipelines or lines
 - Dam
 - Mining or extraction site
 - Water Well
 - Power plant
 - Sport and recreation constructions
 - Dump Site
 - Water or Aquatic infrastructure
- Crisis Information**
- Flood trace
- General Information**
- Area of Interest
 - Detail map
 - Not Analysed
- Administrative Boundaries**
- Region
 - Province
 - Municipality
- Placenames**
- Placename
- Built-Up Area**
- Residential
 - Non residential
 - School, university and research buildings
 - Hospital or institutional care buildings
 - Military
- Transportation**
- Highway
 - Main road
 - Local road
 - Track
 - Railway
 - Airfield runway
 - 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 04/09/2024 at 10:05 UTC, resolution 10.0 m).
Post-event image: PlanetScope © Planet, 2024 (acquired on 17/09/2024 at 10:08 UTC, resolution 3.0 m). All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

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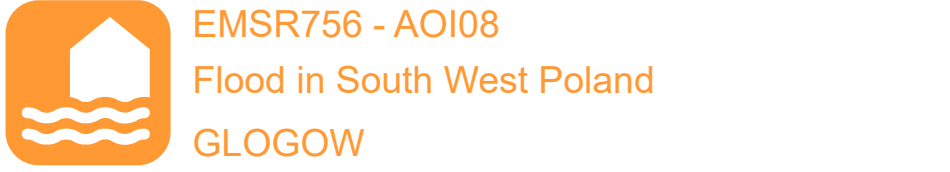
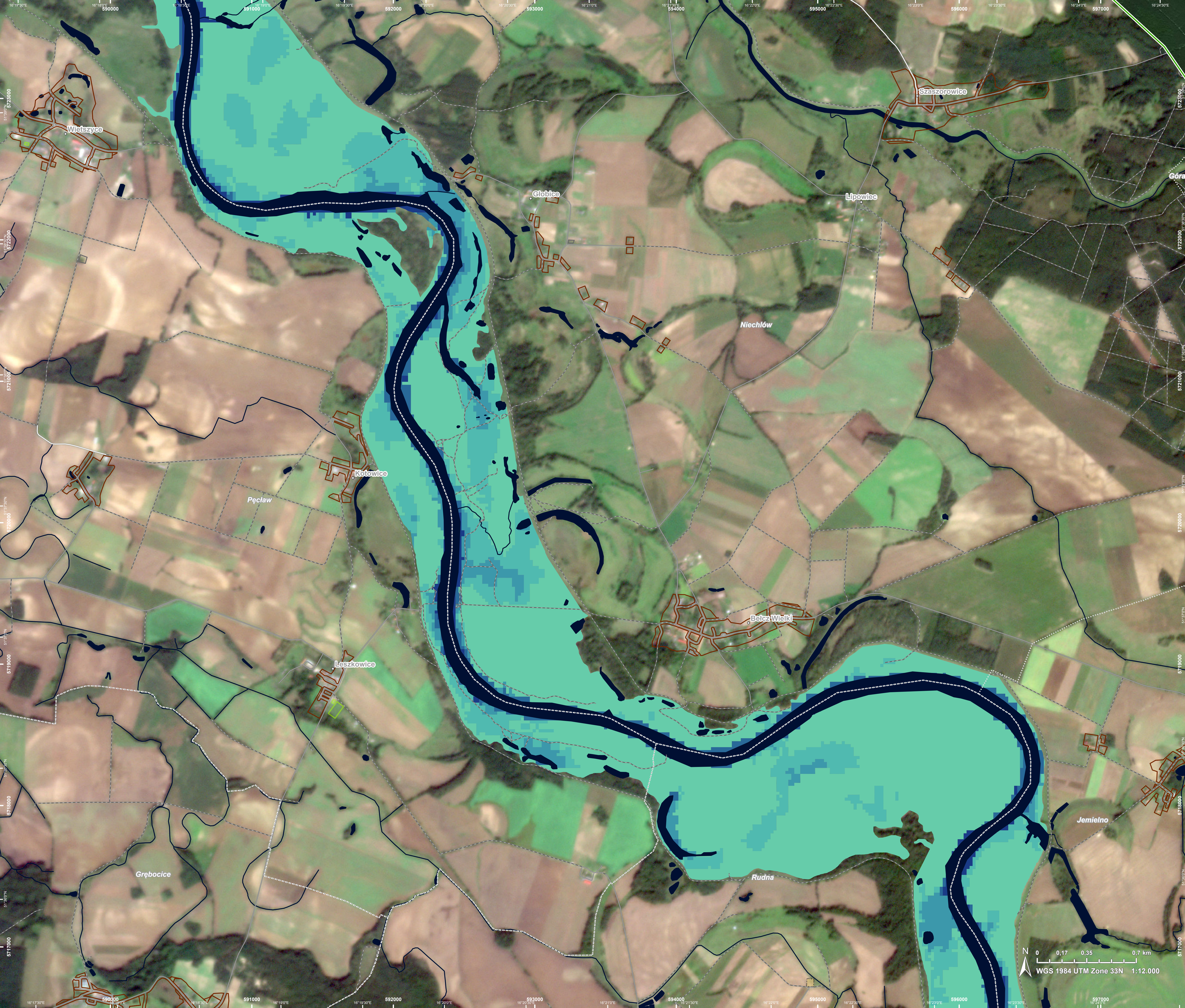
The thematic layer has been derived from post-event satellite image by meaning of visual interpretation.

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.

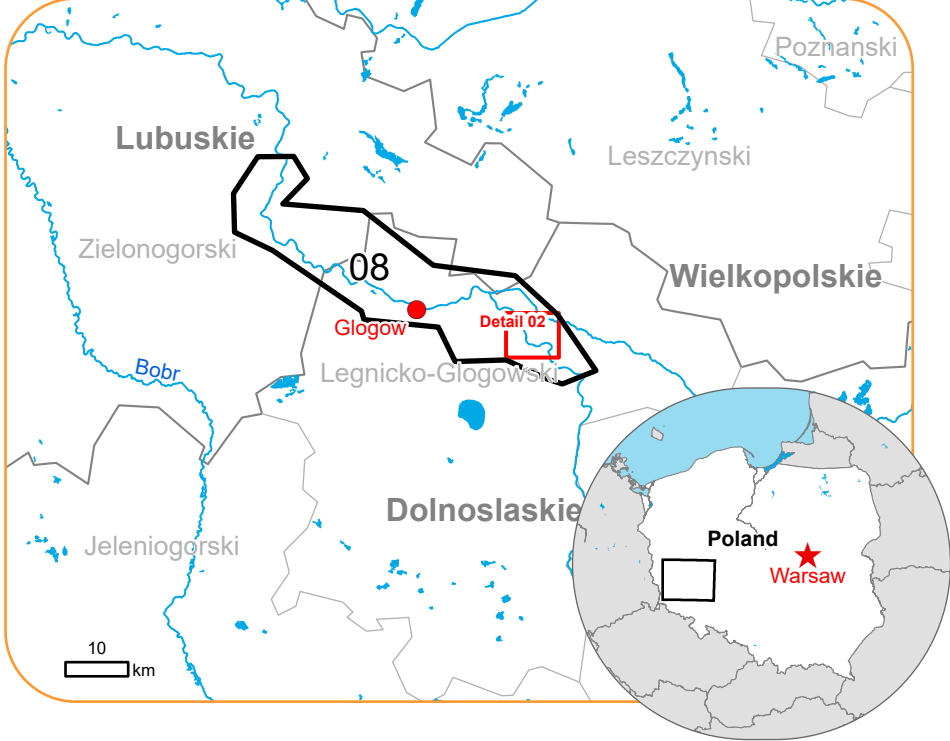
Map produced by ITHACA released by SERTIT on the 01/10/2024.

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 17/09/2024 10:08 UTC
Delineation - Detail map 02



- | | |
|----------------------------------|------------------------------------|
| Estimated flood depth (m) | Built-Up Area |
| Below 0.50 | Residential |
| 0.50 - 1.00 | Non residential |
| 1.00 - 2.00 | Hydrography |
| 2.00 - 4.00 | Lake, River |
| 4.00 - 6.00 | Facilities |
| General Information | Sport and recreation constructions |
| Area of Interest | Water or Aquatic infrastructure |
| Administrative Boundaries | Transportation |
| Province | Main road |
| Municipality | Local road |
| Placenames | Track |
| Placename | |

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Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Flood trace	ha		1.9
Flooded area	ha		1.681.2
Estimated population	Number of inhabitants	~ 80	~ 140.000
Built-up	Residential Buildings	ha 1.2	3.187.8
	Office buildings	ha 0	75.6
	Wholesale and retail trade buildings	ha 0	25.2
	Industrial buildings	ha 3.3	837.7
	Museums and libraries	ha 2.0	88.9
	School, university and research buildings	ha 0	56.2
	Sports halls	ha 3.0	130.7
	Hospital or institutional care buildings	ha 0	7.8
	Military	ha 0	40.2
	Cemetery	ha 0	37.3
Transportation	Airfield runways	ha 0	16.5
	Helipad	ha 0	0.2
	Airfield runways	km 0	1.6
	Highways	km 0	16.7
	Primary Road	km 0	71.9
	Secondary Road	km 0.3	126.6
	Local Road	km 0.2	1.030.0
	Cart Track	km 24.1	1.854.0
	Long-distance railways	km 0	306.5
Facilities	Settling Basin	ha 0	16.4
	Constructions for mining or extraction	ha 0	4.3
	Power plant constructions	ha 0	23.1
	Sport and recreation constructions	ha 0	198.9
	Other civil engineering works not elsewhere classified	ha 0	23.9
	Long-distance pipelines, communication and electricity lines	km 0.1	151.2
	Local pipelines and cables	km 0.2	15.8
	Dams	km 0	0.05
Land use	Pastures	ha 902.2	7.745.7
	Forests	ha 616.2	19.717.3
	Other	ha 100.6	7.042.9
	Heterogeneous agricultural areas	ha 31.4	1.850.6
	Arable land	ha 28.4	34.944.1
	Shrub and/or herbaceous vegetation association	ha 4.3	757.4

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



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