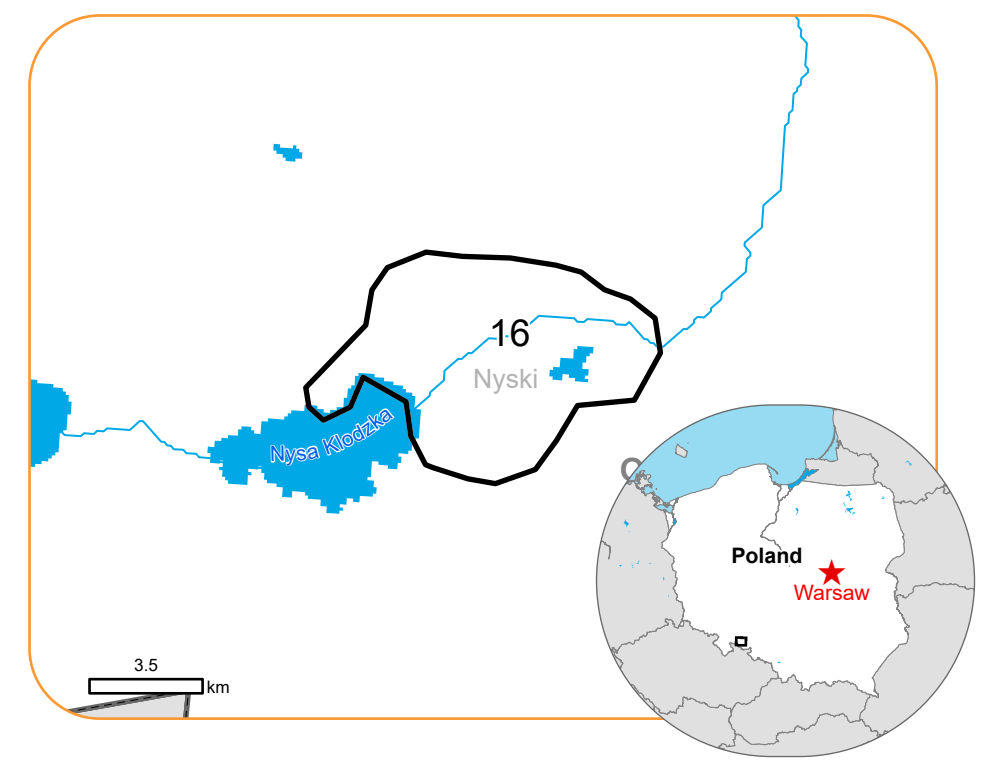


EMSR756 - AOI16
Flood in South West Poland
NYSA CITY

Situation as of 24/09/2024 09:23 UTC
Grading - Overview map 01



Flooded area 9.7 ha
Flooded Trace 97.1 ha

Potentially affected population ~ 250

Affected Built-up and Transportations

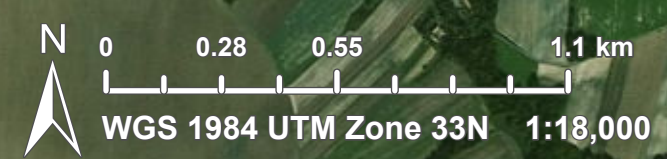
Built-Up 508 No.
Road 7.5 km

- | Crisis Information | Transportation Grading |
|---------------------------|--|
| Flooded Area | Road, Possibly damaged |
| Flood trace | Main road, No visible damage |
| Built Up Grading | Local road, No visible damage |
| Damaged | Track, No visible damage |
| Possibly damaged | Railway, No visible damage |
| Facilities Grading | Airfield and Heliport, No visible damage |
| Possibly damaged | General Information |
| | Area of Interest |
| | Detail map |
| | Not Analysed |
| | Hydrography |
| | Lake, River |
| | Placenames |
| | Placename |

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.

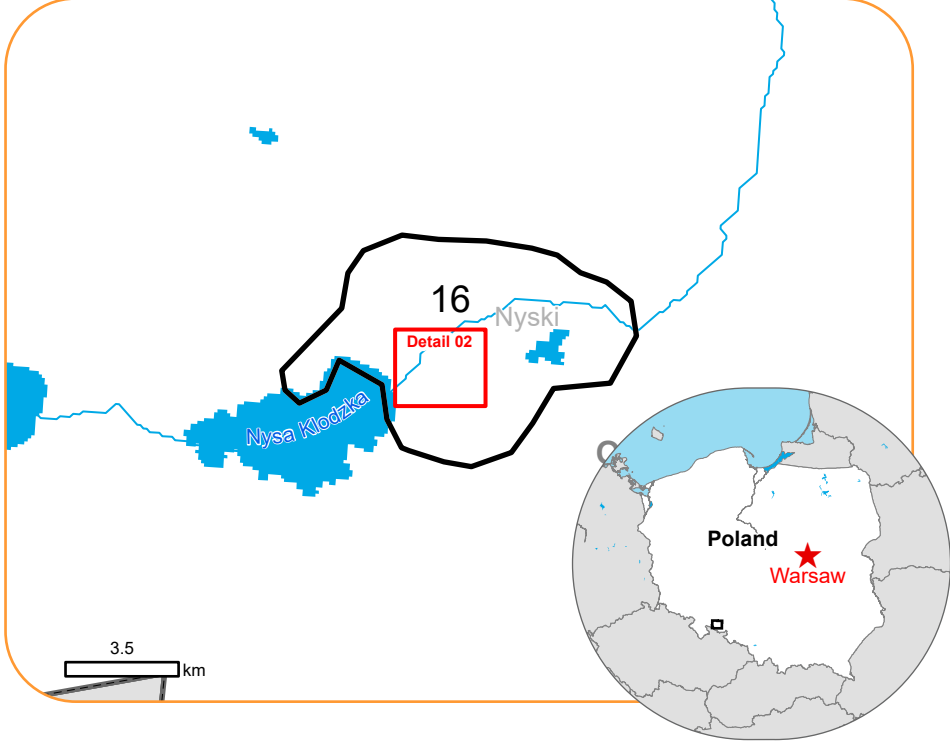
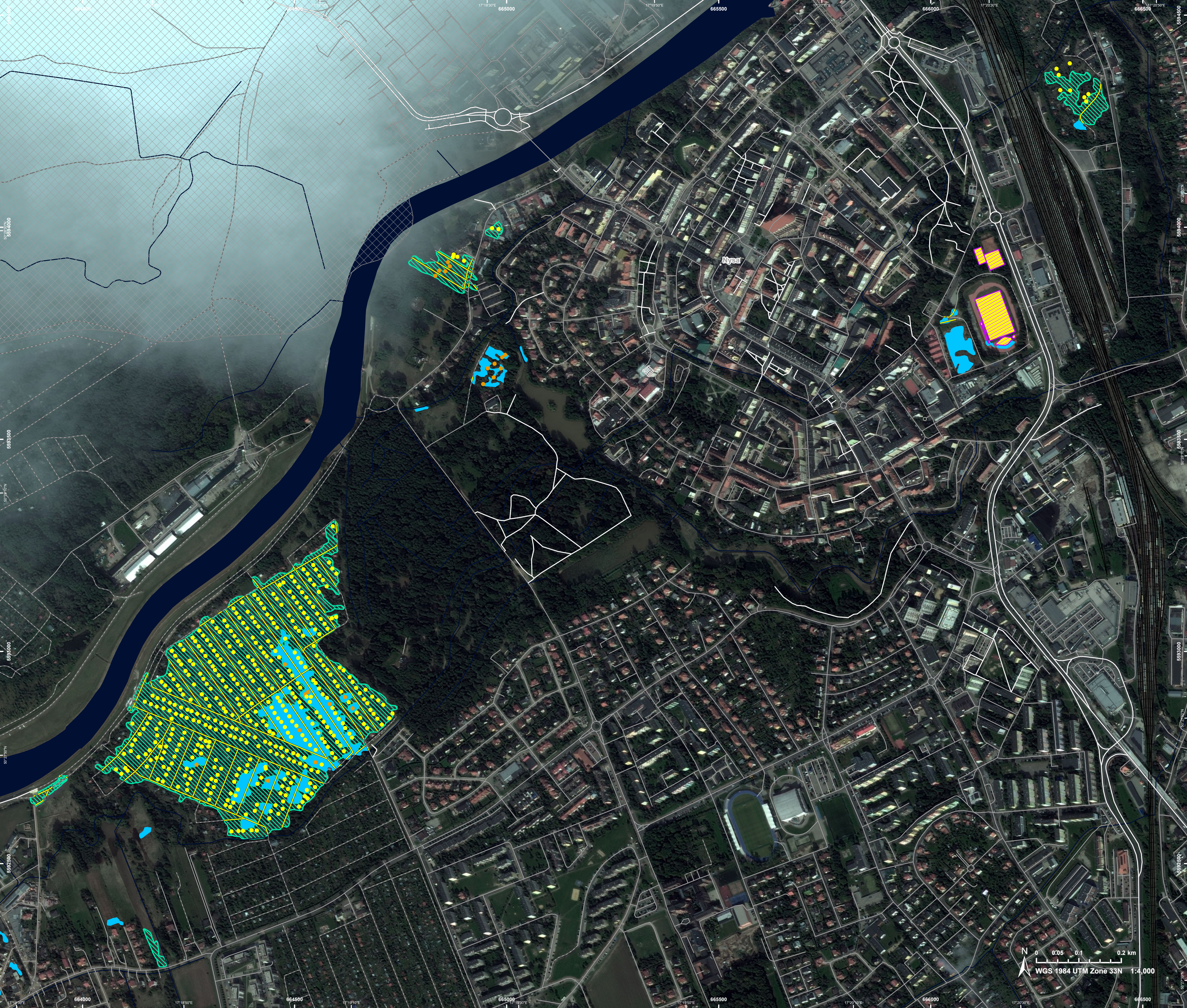
Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 12/10/2022 , resolution 0.5 m).
Post-event image: GeoEye © Maxar Technologies, Inc. (2024), (acquired on 24/09/2024 at 09:23 UTC, resolution 0.5 m).
This image is used as background image.
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














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



Map produced by e-GEOS released by e-GEOS on the 25/09/2024.

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



- | Crisis Information | Transportation Grading |
|--|--|
|  Flooded Area |  Road, Possibly damaged |
|  Flood trace |  Main road, No visible damage |
| Built Up Grading |  Local road, No visible damage |
|  Damaged |  Track, No visible damage |
|  Possibly damaged |  Railway, No visible damage |
| Facilities Grading |  Airfield and Heliport, No visible damage |
|  Possibly damaged | General Information |
| |  Area of Interest |
| |  Not Analysed |
| | Hydrography |
| |  Lake, River |
| | Placenames |
| |  Placename |

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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Consequences within the AOI						
	Unit of measurement	Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Flood trace	ha					97.1
Flooded area	ha					9.7
Estimated population	Number of inhabitants				~ 250	~ 44 000
Built-up	Residential Buildings	No. 0	18	477	495	6 384
	Office buildings	No. 0	0	0	0	83
	Administrative	No. 0	0	0	0	1
	Fire station	No. 0	0	0	0	1
	Wholesale and retail trade buildings	No. 0	0	0	0	437
	Industrial buildings	No. 0	0	1	1	559
	Reservoirs, silos and warehouses	No. 0	0	0	0	37
	Public entertainment buildings	No. 0	0	0	0	2
	Museums and libraries	No. 0	0	0	0	1
	School, university and research buildings	No. 0	0	0	0	82
	Hospital or institutional care buildings	No. 0	0	0	0	17
	Non-residential farm buildings	No. 0	0	0	0	166
	Buildings used as places of worship and for religious activities	No. 0	0	0	0	20
	Historic or protected monuments	No. 0	0	0	0	1
	Other buildings not elsewhere classified	No. 0	0	0	0	13
	Cemetery	No. 0	0	0	0	9
	Hotel buildings	No. 0	0	0	0	14
	Communication buildings, stations, terminals and associated buildings	No. 0	0	0	0	756
	Garage buildings	No. 0	5	4	9	111
	Unclassified	No. 0	0	3	3	3 089
Transportation	Airfield runways	ha 0	0	0	0	0.6
	Helipad	ha 0	0	0	0	0.04
	Primary Road	km 0	0	0	0	31.9
	Secondary Road	km 0	0	0	0	21.6
	Local Road	km 0	0	0.7	0.7	302.2
	Cart Track	km 0	0	6.8	6.8	155.1
	No Driveway	km 0	0	0.1	0.1	0.1
	Long-distance railways	km 0	0	0	0	57.0
Facilities	Settling Basin	ha 0	0	0	0	9.4
	Dams	ha 0	0	0	0	5.1
	Constructions for mining or extraction	ha 0	0	0	0	0
	Power plant constructions	ha 0	0	0	0	2.0
	Sport and recreation constructions	ha 0	0	0.9	0.9	69.6
	Other civil engineering works not elsewhere classified	ha 0	0	0	0	0.6
	Long-distance pipelines, communication and electricity lines	km 0	0	0	0	19.3
	Local pipelines and cables	km 0	0	0	0	19.1
	Dams	km 0	0	0	0	0.1
Land use	Arable land	ha			76.5	2 268.2
	Other	ha			30.2	2 119.2
	Pastures	ha			0	277.9
	Heterogeneous agricultural areas	ha			0	71.6
	Forests	ha			0	129.0
* Presence of damage proxies and proximity with destroyed/damaged asset						
** Sum of all damage classes						

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.

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).

