

EMSR728 - AOI07
Flood in Germany
Weiden in der Oberpfalz

Situation as of 06/06/2024 17:01 UTC
Delineation MONIT03 - Overview map 01



Flooded Area
14.7 ha

Potentially affected
population ~ 300

Potentially Affected Built-up and Transportations

Road
0.04 km

Railway
0.01km

Estimated water depth (m)

0.15 - 0.50
0.50 - 1.00
1.00 - 2.00

Crisis information

Maximum Water Extent

General Information

Area of Interest
Detail map
Image Footprint
Not Analysed

Administrative Boundaries

Municipality

Built-Up Area

Residential
Non residential
School, university and
research buildings

Hydrography

River
Stream
Lake
Reservoir
River

Facilities

Long-distance
pipelines or lines
Local pipelines or
Water or Aquatic
infrastructure
Dam
Mining or extraction
Sport and recreation
constructions
Dump Site
Water or Aquatic
infrastructure
Transportation
Highway
Main road
Railway
Airfield runway
Airfield

Event: Starting in the early morning of 31st May 2024, continuous rain (about 50 to 150 l/m² in 48 hours) is expected in wide areas of Southern and Eastern Germany (potentially affected states: Bavaria, Baden-Wuerttemberg, Hesse, Saxony, Saxony-Anhalt, Thuringia). Although uncertainties of the forecast still have to be considered, competent authorities expect flooding of different severities in wide areas. Following formal flash flood EFAS notifications, Copernicus EMS Rapid Mapping is requested to provide initial rough estimation, flood extent and damage assessment emergency mapping for some potentially affected regions.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2024) (acquired on 30/04/2024 at 10:20 UTC, resolution 10.0 m). This image is used as background image.
Post-event image: COSMO-SkyMed © ASI (2024), distributed by e-GEOS S.p.A. (acquired on 06/06/2024 at 16:19 UTC, resolution 3.0 m) and TerraSar-X © Infoterra GmbH (acquired on 06/06/2024 17:01 UTC, resolution 3.3 m)
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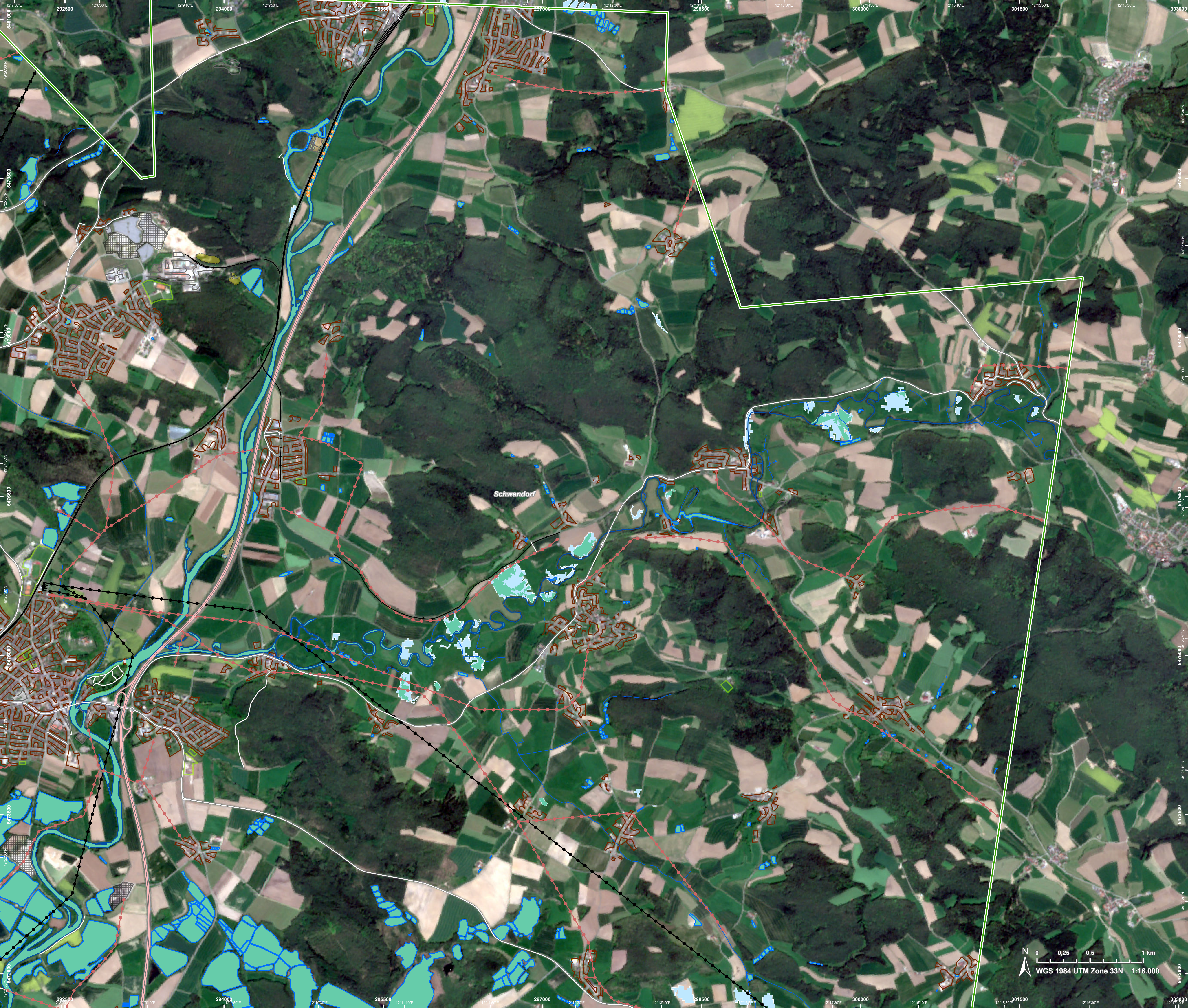
The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.


The water extent and water 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 e-GEOS on the 07/06/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR728>





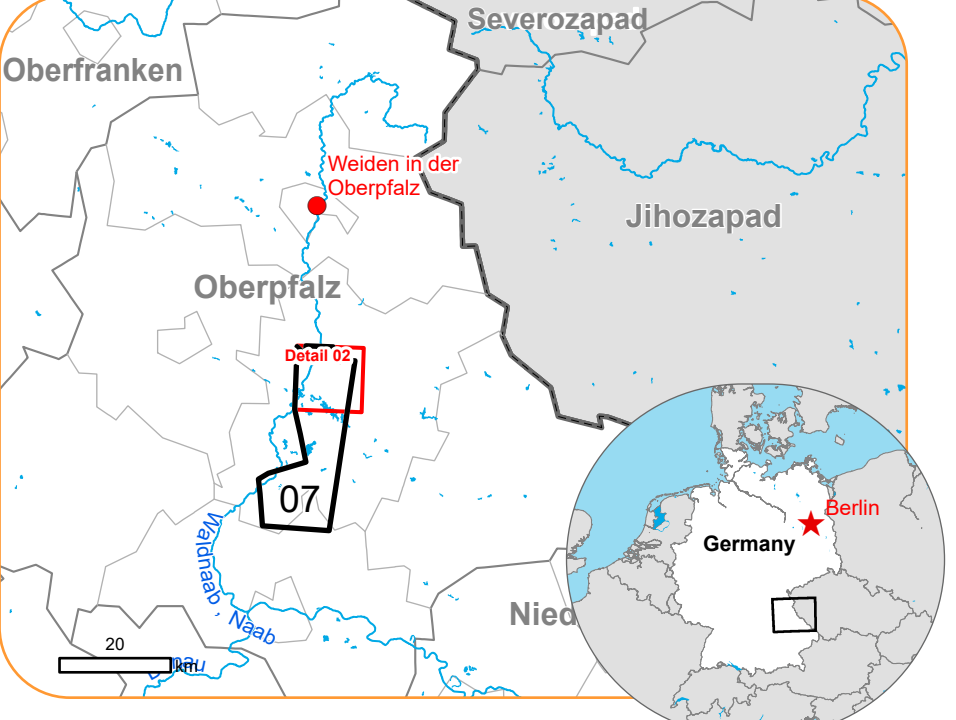


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Flood in Germany

Weiden in der Oberpfalz

Situation as of 06/06/2024 17:01 UTC
Delineation MONIT03 - Detail map 02



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0.15 - 0.50

0.50 - 1.00

1.00 - 2.00

Crisis information

Maximum Water Extent

General Information

Area of Interest

Built-Up Area

Residential

Non residential

School, university and research buildings

Hydrography

River

Stream

Lake

Reservoir

River

Facilities

Long-distance pipelines or lines

Local pipelines or

Water or Aquatic infrastructure

Dam

Mining or extraction

Sport and recreation constructions

Dump Site

Water or Aquatic infrastructure

Transportation

Highway

Main road

Railway

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Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area*		ha		14,7
Water Extent**		ha		1.612,2
Maximum Water Extent***		ha		1.693,1
Permanent Water		ha		1.597,4
Estimated population	Number of inhabitants		~ 300	~ 45.000
Built-up	Residential Buildings	ha	0	800,2
	Office buildings	ha	0	48,6
	Wholesale and retail trade buildings	ha	0	6,7
	Industrial buildings	ha	0	164,9
	School, university and research buildings	ha	0	8,3
	Cemetery	ha	0	6,9
Transportation	Airfield runways	ha	0	4,5
	Airfield runways	km	0	0,9
	Highways	km	0	76,7
	Primary Road	km	0	45,3
	Secondary Road	km	0,04	87,8
	Long-distance railways	km	0,01	92,9
Facilities	Settling Basin	ha	0,6	7,6
	Constructions for mining or extraction	ha	3,9	96,7
	Sport and recreation constructions	ha	5,8	103,1
	Other civil engineering works not elsewhere classified	ha	0	46,0
	Long-distance pipelines, communication and electricity lines	km	2,9	75,2
	Local pipelines and cables	km	2,4	133,4
	Breakwater	km	0,1	0,1
	Dams	km	0,5	0,5
Land use	Other	ha	987,9	3.830,9
	Pastures	ha	238,3	4.181,3
	Forests	ha	192,4	15.634,5
	Arable land	ha	183,3	8.537,0
	Heterogeneous agricultural areas	ha	10,2	209,9
	Shrub and/or herbaceous vegetation association	ha	0,1	18,4

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

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

*** Corresponds to the water observed in all previous products and in the most recent satellite imagery (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: Digital Terrain Model (5m) © GeoBasis-DE / BKG (2024)



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EUROPEAN UNION

