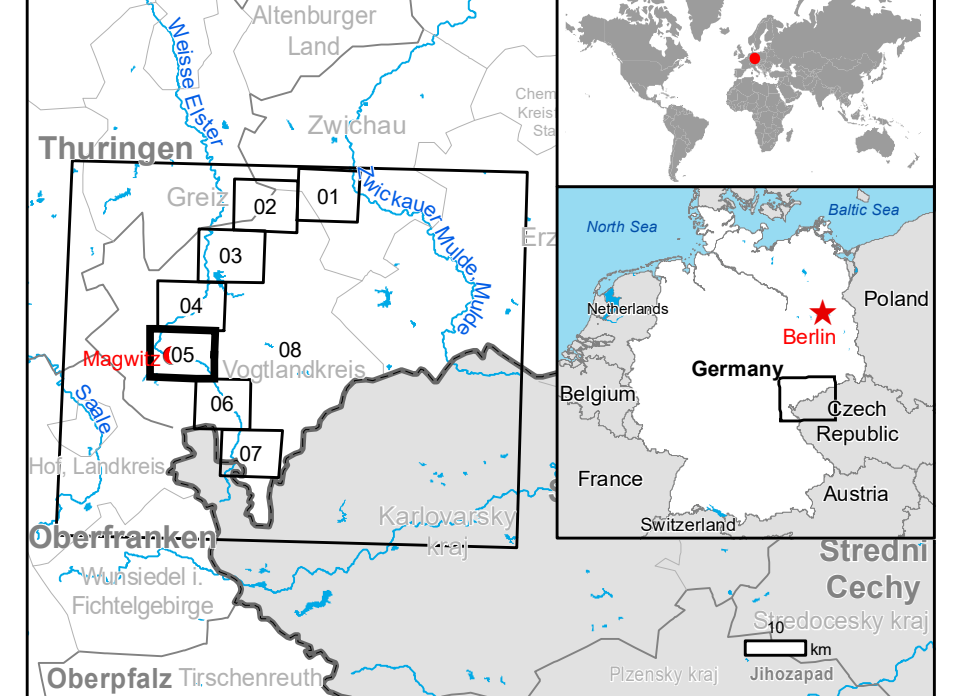


Magwitz - GERMANY

Flood - Situation as of 26/05/2018

Delineation Map



Cartographic Information

1:17000 Full color ISO A1, medium resolution (200 dpi)

0 0.35 0.7 1.4 km

Grid: WGS 1984 UTM Zone 33N map coordinate system
Tick marks: WGS 84 geographical coordinate system

- #### Legend
- ##### Crisis Information

 - Flooded Area (26/05/2018 10:13 UTC)
 - Area of Interest
 - Not Analysed
- ##### General Information

 - Placename
 - Municipality
- ##### Administrative boundaries

 - Municipality
- ##### Built-Up Area

 - Residential
 - Industrial building and warehouse
 - Industrial
 - Multi-functional
- ##### Hydrography

 - River
 - Stream
 - Lake
 - Reservoir
- ##### Facilities

 - Dam
 - Construction for mining or extraction
- ##### Transportation

 - Highway
 - Primary Road
 - Secondary Road
 - Local Road
 - Long-distance railway

Consequences within the AOI		Unit of measurement	Affected	Total in AOI
Flooded area		ha	9.4	
Estimated population	Number of inhabitants		15	14640
Settlements	Residential	ha	0.9	671.0
	Industrial building and warehouse	ha	2.2	611.7
	Industrial	ha	0.0	3.3
	Multi-functional	ha	0.0	148.4
Transportation	Highway	km	0.0	26.0
	Primary Road	km	0.0	20.7
	Secondary Road	km	0.0	24.8
	Local Road	km	0.0	165.7
	Long-distance railway	km	0.0	38.5
Facilities	Dam	No.	0	2
	Construction for mining or extraction	ha	0.0	72.3

Map Information

Hours of heavy rain and thunderstorms led to massive flash floods between the 24th and 25th May 2018 in the Vogtland region of Saxony in Germany. Damages and traffic obstructions have been reported. Areas around the White Elster river were particularly affected and the Pirk barrage had to let of around 150 cubic meters per second which caused floods downstream. Damage evaluation is of prime importance for the Saxon State Ministry of Environment and Agriculture.

The present map shows the flood delineation in the area of Magwitz (Germany). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	24/05/2018	Situation as of	26/05/2018
Activation	25/05/2018	Map production	27/05/2018

Data Sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 21/03/2014, GSD 0.6 m, approx. 0% cloud coverage in AOI).
Post-event image: SPOT7 © Airbus DS (2018), (acquired on 26/05/2018 at 10:13 UTC, GSD 1.5 m, approx. 34% cloud coverage in AOI, 33.3° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.
Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.
Inset maps: JRC 2013, © EuroGeographics, Natural Earth 2012, CCM River DB © EURC2007, GeoNames 2013.
Population data: GHS Population Grid © European Commission, 2015
http://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_2015a.
Digital Elevation Model: EU-DEM (25 m)

Disclaimer

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