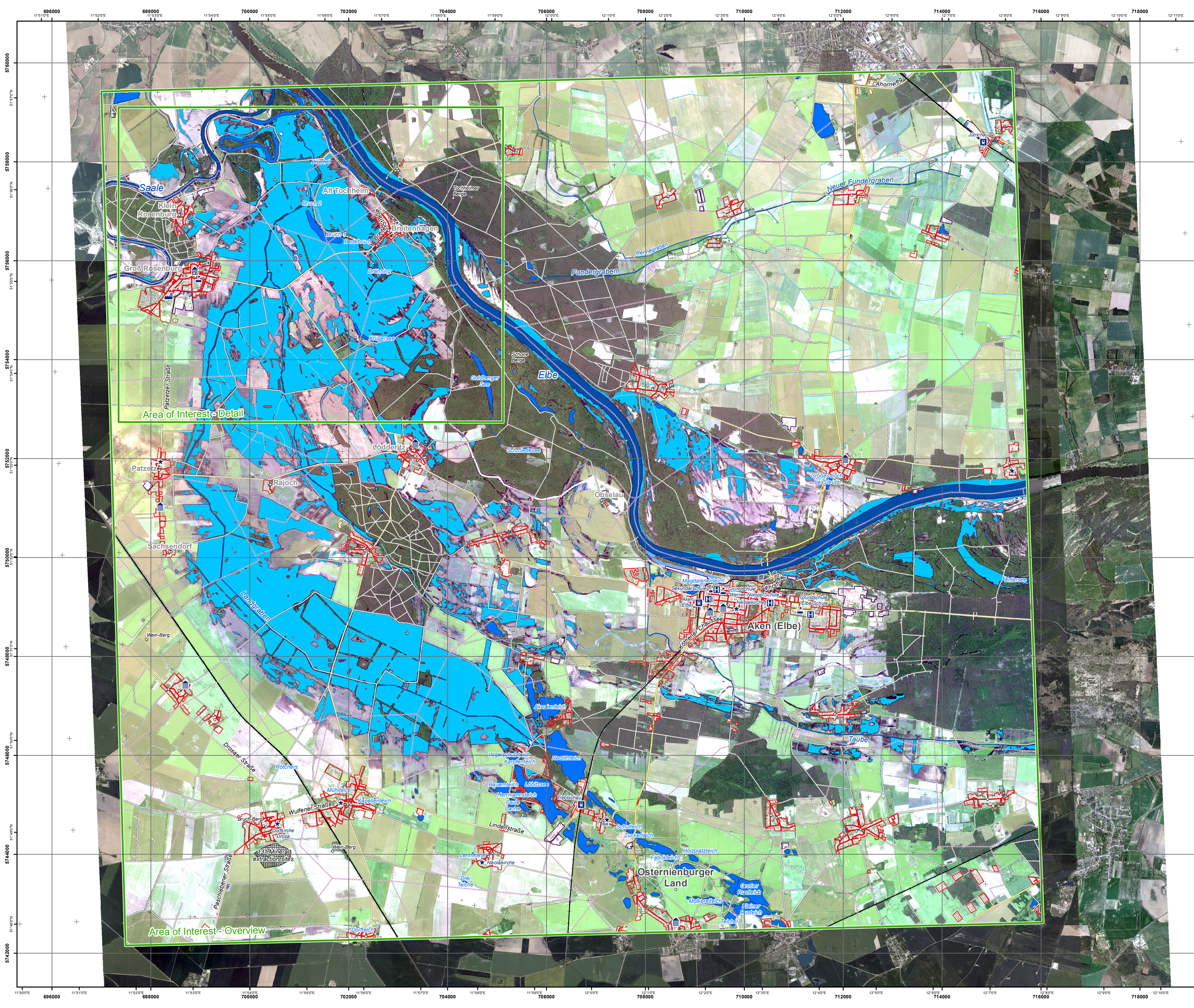
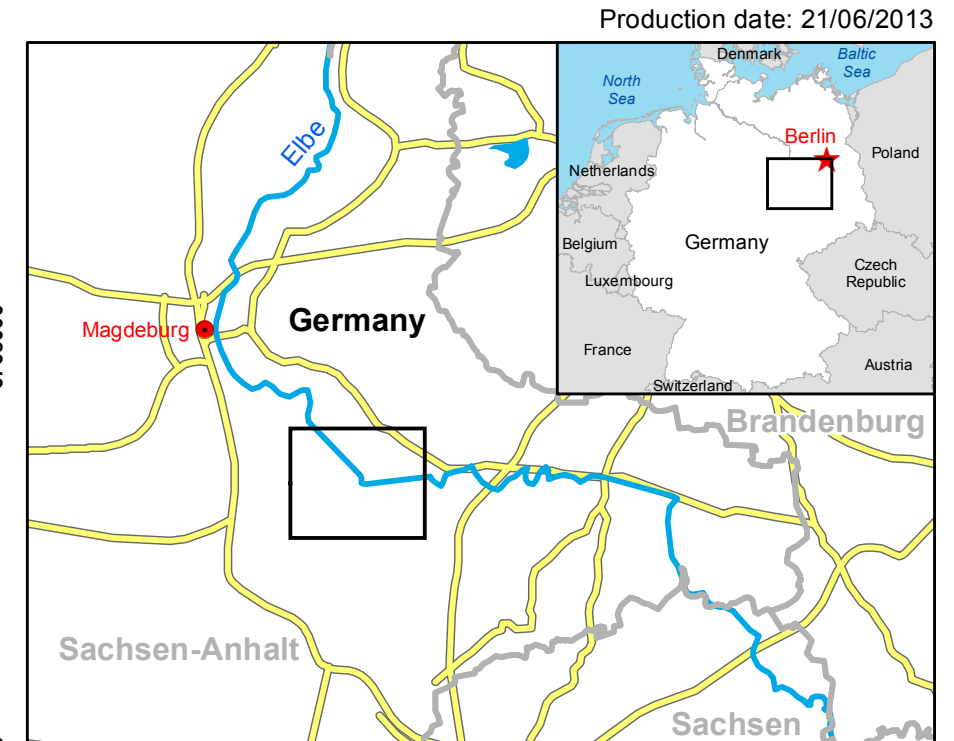




Breitenhagen - GERMANY Flood Delineation Map - Overview



Cartographic Information

1:35000 Full color ISO A1, medium resolution (200 dpi)

0 0.5 1 2 km

Map Coordinate System: WGS 1984 UTM Zone 32N
Graticule: WGS 84 geographical coordinates

Legend

Crisis Information
Flooded Areas (18/06/2013)
Area of Interest
Administrative boundaries
Settlements
Industry / Utilities

Hydrology
River
Stream
Ditch
Lake
River
Canal

Point of Interest
Educational
Industrial
Institutional
Medical
Religious
Transportation
Transportation
Primary Road
Secondary Road
Local Road

Consequences within the AOI on 18/06/2013		
Population	Estimated Affected Population	27928 inhabitants
Transportation	Affected Roads	17 km
Land Use	Affected Agriculture	3462 ha
	Affected Forest	153 ha
	Affected Residential	1.09 ha
	Affected Industrial	0.26 ha
	Affected Multi-functional	0.2 ha

Map Information

Weeks of heavy rain have left the Elbe, other rivers causing extensive damage in central and southern Germany. The swollen river Elbe has breached its banks again on its relentless march toward the North Sea, forcing German authorities to evacuate 10 villages and shut one of the main railway routes.

In central and southern Germany floods have been affecting several towns and villages. A dyke near Fischbeck in the state of Saxony-Anhalt was breached, allowing flood waters to inundate a large area. The core users of the map are Civil Protection authorities involved in in-field operations.

Data Sources

Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements (Geonames, 2013), Aerial orthomosaics © Federal Agency for Cartography and Geodesy (BKG) (GSD 2.50 m, 0% cloud coverage), WorldView-02 © DigitalGlobe 2013 (acquired on 18/06/2013, 0% cloud cover, 2 m. resolution).

Base vector layers based on Openstreetmap, Geonames, Corine Land Cover, Urban Atlas (approx. 1:25,000, extracted on 18/06/2013), refined by e-GEOS.

All Data sources are complete and with no gaps.

Dissemination/Publication

No restrictions on the publication of the mapping apply.
Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).

Framework

The products elaborated in the framework of current mapping in rush mode activation are realized to the best of our ability, within a very short time frame during a crisis, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original data sources. The products are compliant with GIO-EMS RUSH Product Portfolio specifications.

Map Production

The present map shows basic topographic features such as transportation, hydrology and settlements in the area of Breitenhagen (Sachsen-Anhalt, GERMANY). These basic topographic features are derived from public datasets, refined by means of visual interpretation of the national official aerial orthomosaics © Federal Agency for Cartography and Geodesy (BKG) (GSD 0.40 m, 0% cloud coverage).

Thematic layer assessing the delineation of the flood event has been derived from WorldView-02 post-event imagery (2 m. resolution, acquired on 18/06/2013).

The estimated geometric accuracy of this product is 3m CE90 or better, from native positional accuracy of the background aerial image.

The estimated thematic accuracy of this product is 85% or better, as it is based on visual interpretation of recognizable items on very high resolution optical imagery.

Map produced on 21/06/2013 by e-GEOS under contract 257219 with the European Commission. All products are © of the European Commission.

Name of the release inspector (quality control): e-GEOS (ODO).
E-mail: rush@ems-gmes.eu

Flood

- Civil Protection
- Response
- Delineation Map - Overview
- Planning
- WorldView-02 © DigitalGlobe
- 17-06-2013