

GLIDE number: FF-2014-000059-BIH

Activation ID: EMSR-087 Product N.: 06BRCKO, v1

Brcko BOSNIA AND HERZEGOVINA



Cartographic Information

Full color ISO A1, medium resolution (200 dpi) 0,375 0,75

Grid: WGS 1984 UTM Zone 34N map coordinate system Tick marks: WGS 84 geographical coordinate system

Flooded Area (25/05/2014 9:44 UTC Old Flooded Area (22/05/2014 9:44 UTC) **General Information** Area of Interest Administrative boundaries -|- - International Boundary — - Region Industry / Utilities **Point of Interest** Transportation **H** Medical * Religious

THE REAL PROPERTY.	4970000 44°52′0″N	Consequences within the detail AOI on Bosnian territory on 25/05/2014					
					Affected	Total in AOI	
		Flooded area	ha		31,6		
		Estimated population	Inhabitants		150	75500	
		Settlements	Residential	ha	5,8	2993,6	
			Green Area	ha	12	91,2	
		Utilities	Quarry	ha	1,5	18,4	
		Transportation	Primary Road	km	3	15,7	
			Local Road	km	27,1	268,4	

Map Information

On 13 May 2014, heavy rainfalls and widespread flooding hit large parts of Bosnia and Herzegovina. Heavy rainfall continued to affect large parts, in particular the region of Doboj and Zenica. The core users of the maps are Disaster Response Authorities involved in

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). SPOT6 © Airbus Defence and Space 2014 (acquired on 22/05/2014 09:44 UTC, GSD 1.5 m, approx. 0% cloud coverage). Radarsat-2 © MDA (acquired on 25/05/2014 05:03 UTC, GSD 5 m) Ltd. All rights reserved. Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org,

GeoNames (approx. 1:10.000, extracted on 20/05/2014), refined by GAF AG. Source information is included in vector data. Elevation data: SRTM (90 m posting) or EU-DEM (25 m posting). Height in meters above mean sea level. Population data: Landscan 2010 © UT BATTELLE, LLC.

Dissemination/Publication

No restrictions on the publication of the mapping apply.

Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile and KML formats).

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 Brcko (BOSNIA AND HERZEGOVINA). These basic topographic features are derived from public datasets, refined by means of visual interpretation of preevent orthoimagery from RapidEye © Blackbridge (acquired on 21/03/2014 10:49 UTC, GSD 6.5 m, 0% cloud coverage).

Thematic layers, assessing the delineation of the event, have been derived from post-event image SPOT6 © Airbus Defence and Space 2014 (acquired on 22/05/2014 09:44 UTC, GSD 1.5 m) Ltd. All rights reserved and Radarsat-2 © MDA (acquired on 25/05/2014 05:04 UTC,

GSD 5 m) Ltd. All rights reserved. All satellite images have been radiometrically enhanced and orthocorrected with RPC approach (using SRTM elevation data). The estimated geometric accuracy of this product is 35 m CE90 or better, from native positional accuracy of the background satellite image. The estimated thematic accuracy of this product is 85% or better, as it is based on visual

interpretation of recognizable items on high resolution optical imagery. Shadowed areas are zones of lower interpretation accuracy due to the poorer image radiometry.

Only the area enclosed by the Area of Interest within the Bosnian territory has been

Map produced on 25/05/2014 by GAF AG under contract 257219 with the European Commission. All products are © of the European Commission.

Name of the release inspector (quality control): GAF AG (ODO). Map products available at http://emergency.copernicus.eu/mapping/list-of-components/EMSR087



L Civil Protection

Delineation Map - Detail







