

GLIDE number: FF-2014-000059-BIH

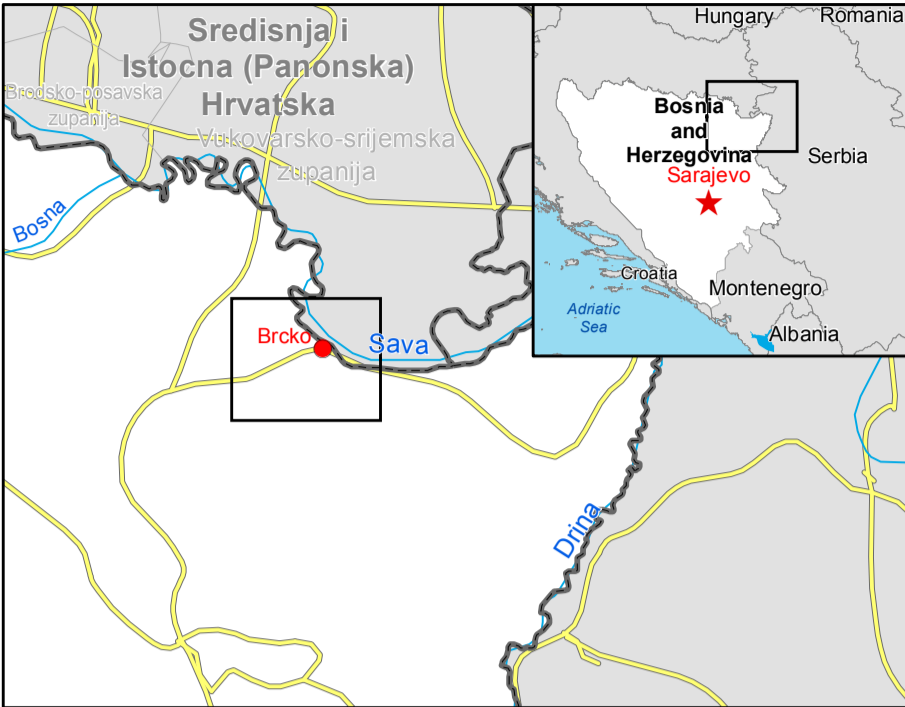
Activation ID: EMSR-087

Product N.: 06BRCKO, v1

Brcko
BOSNIA AND HERZEGOVINA
Flood - 13/05/2014

Reference Map - Overview

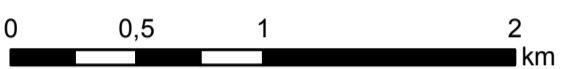
Production date: 21/05/2014



Cartographic Information

1:30000

Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 34N map coordinate system

Tick marks: WGS 84 geographical coordinate system



Legend

General Information	Settlements	Transportation	Hydrology
Area of Interest	Populated Place	Bridge	River
Administrative boundaries	Residential	Crossing	Stream
International Boundary	Cemetery	Primary Road	Canal
Region	Commercial	Secondary Road	Reservoir
Province	Green Area	Local Road	River
Municipality	Industrial	Railway	
Point of Interest	Recreational		
Medical	Transportation		
Religious		Industry / Utilities	
		Quarry	

Exposure within the overview AOI				
Estimated population		inhabitants		65000
Settlements	Industrial		ha	391,0
	Commercial			3,9
	Residential			3656,5
	Recreational		ha	10,1
	Transportation			15,9
	Green Area		ha	91,2
	Cemetery			32,4
Utilities	Quarry		ha	32,1
Transportation	Primary		km	23,0
	Secondary		km	48,0
	Local Road		km	406,4
	Bridge	No.		14

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 Dobo and Zenica. The core users of the maps are Disaster Response Authorities involved in operations.

Data Sources

Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB, © EuroGeographics), Settlements (Geonames, 2013).
 RapidEye © Blackbridge (acquired on 23/10/2013 10:49 UTC, GSD 6.5 m, 0% cloud coverage), all rights reserved.
 Base vector layers based on OpenStreetMap © OpenStreetMap contributors, refined by GAF AG. Source information is included in vector layer.
 Population data: Landsat 2010 © UT BATTELLE, LLC.
 Elevation data: SRTM (90m posting). Height in meters above mean sea level.
 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 Brčko (BOSNIA AND HERZEGOWINA). These basic topographic features are derived from public datasets, reflected by means of visual interpretation of pre-processed orthorectified Landsat-5 TM imagery. BlackBrick (acquired on 23/10/2015 10:49 UTC, GSD 6.5m, 10% cloud coverage).

All satellite images have been radiometrically enhanced and orthorectified with RPC parameters. The orthorectification was performed using the ground control points (GCPs).

The estimated geometric accuracy of this product is 45m CE90 or better, from native positional accuracy of the background satellite imagery.

The estimated radiometric accuracy 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 analyzed.

Map produced on 21/05/2016 by the GAF under contract 257219 with the European Commission. All products are © of the European Commission.

Name of the release instrument: GAF-Brčko, e-GEOS (JOD).

