



GLIDE number: FF-2014-000059-BIH Activation ID: EMSR-087
Product N.: 07Balatun, v1

Balatun - BOSNIA AND HERZEGOVINA

Flood - 13/05/2014

Reference Map - Detail

Production date: 27/05/2014



Cartographic Information

1:22500 Full color ISO A1, medium resolution (200 dpi)

0 0.5 1 2 km

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

Legend		Hydrology	Point of Interest	Transportation
General Information	Area of Interest	River	Religious	Bridge
	Sensor Footprint	Stream		Railway
		Canal		Primary Road
Administrative boundaries	International Boundary	River		Secondary Road
	Region	Lake		Local Road
Settlements	Populated Place	Reservoir		
	Residential			
	Agricultural			
	Cemetery			
Transportation	Industrial			
	Religious			

Exposure within the detail AOI			
Settlements		Estimated population	inhabitants
Settlements	Residential	ha	9140
	Agricultural	ha	472.9
	Cemetery	ha	0.8
	Industrial	ha	9.3
	Transportation	ha	4.4
Transportation	Religious	ha	0.5
	Primary roads	km	16.5
	Secondary roads	km	11.6
	Local roads	km	86.5
	Railways	km	11.5
Bridges		No.	13

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 operations.

Data Sources

Inset maps based on: Administrative boundaries (JRC 2013, GISCO 2010, ©EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EURC 2007), Settlements (GeoNames, 2013).
SPOT6 © Airbus Defence and Space (acquired on 13/02/2014 08:58 UTC, GSD 2.6 m, 0% cloud coverage), all rights reserved.
Landsat © U.S. Geological Survey (acquired on 12/03/2014, GSD 15 m, approx. 0% cloud coverage).
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, GeoNames (approx. 1:10,000, extracted on 21/05/2014), refined by ITHACA. Source information is included in vector data.
Population data: Landscan 2010 © UT BATTELLE, LLC.
Elevation data: EU-DEM (25 m 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 Balatun (BOSNIA AND HERZEGOVINA). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event orthorectified imagery from SPOT6 © Airbus Defence and Space (acquired on 13/02/2014 08:58 UTC, GSD 2.6 m, 0% cloud coverage).
All satellite images have been radiometrically enhanced and orthorectified with RPC approach (using EU-DEM elevation data).
The estimated geometric accuracy of this product is 6.6 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.
Map produced on 27/05/2014 by ITHACA 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>



Flood

- Civil Protection
- Response
- Reference Map - Detail
- Planning
- SPOT 6 (c) Airbus Defense and Space
- 13-05-2014

