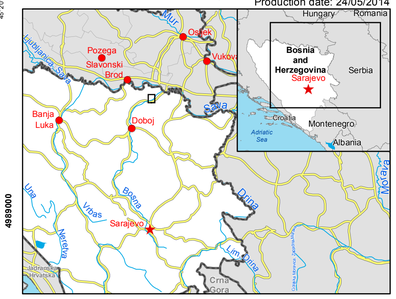
GLIDE number: FF-2014-000059-BIH

Activation ID: EMSR-087
Product N.: 01DOBOJ, v2

Doboj
BOSNIA AND HERZEGOVINA
Flood - 13/05/2014
Delineation Map - Detail 03

Production date: 24/05/2014



Cartographic Information

1:15000

Full color ISO A1, medium resolution (200 dpi)

0 0.25 0.5 1 km

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

N

Legend

Crisis Information
- Flooded Area (21/05/2014 9:03 UTC)

General Information
- Area of Interest

Administrative boundaries
- Municipality

Point of Interest
- Religious

Settlements
- Populated Place
- Residential
- Green Area
- Industrial
- Urbanized Multi-functional

Transportation
- Bridge
- Primary Road
- Secondary Road
- Local Road
- Railway

Hydrology
- River
- Lake
- River

Consequences within the detailed AOI on 21/05/2014				
			Affected	Total in AOI
Flooded area		ha	97,2	
Estimated population		Inhabitants	0	15400
Settlements	Residential	ha	0	574,5
	Green Area	ha	0	7,5
	Industrial	ha	0	0,7
	Urbanized Mulit-Functional	ha	0	28,7
Transportation	Primary Road	km	0	18,0
	Secondary Road	km	0	9,1
	Local Road	km	0,2	31,8
	Railway	km	0	5

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 © EU-JRC 2007), Settlements (Geonames, 2013).
RapidEye © Blackbridge (acquired on 23/10/2013 10:49 UTC, GSD 6.5 m, 0% cloud coverage), all rights reserved. SPOT6 © Airbus Defence and Space 2014 (acquired on 21/05/2014 09:03 UTC, GSD 1.5 m, approx. 0% cloud coverage).
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, refined by GAF AG. Source information is included in vector data.
Population data: Landscan 2010 © UT BATTELLE, LLC.
Elevation data: SRTM (90 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 Doboj (BOSNIA AND HERZEGOWINA). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event orthoimagery from RapidEye © BlackBridge (acquired on 23/10/2013 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 21/05/2014 09:03 UTC, GSD 1.5 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 has been analyzed.
Map produced on 24/05/2014 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).
E-mail: rush@ems-gmes.eu
Map products available at http://emergency.copernicus.eu/mapping/list-of-components/EMSR087

Flood

Civil Protection
Response
Delineation Map - Detail
Planning
SPOT6 © Airbus Defence and Space
13-05-2014

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The European Earth Observation Programme

European Commission