



GLIDE number: N/A Activation ID: EMSR-117
Product N.: 01EPIRUS, v1

EPIROS - GREECE Flood - 01/02/2015 Delineation Map - Overview

Production date: 03/02/2015



Cartographic Information

1:150000 Full color ISO A1, medium resolution (200 dpi)
0 3 6 12 Km
Grid: WGS 1984 UTM Zone 34N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend	
Crisis Information	Point of Interest
Flooded Area (02/02/2015 16:31 UTC)	Educational
General Information	Institutional
Area of Interest	Medical
Administrative boundaries	Religious
International Boundary	Industry / Utilities
Region	Quarry
Province	Processing Facility
Municipality	Settlements
Populated Place	Built-Up Area
Built-Up Area	
	Transportation
	Aerodrome
	Bridge
	Harbour
	Bridge
	Runway
	Quarry
	Motorway
	Primary Road
	Secondary Road
	Local Road
	Hydrology
	Coastline
	Dam
	River
	Stream
	Canal
	Ditch
	Dam
	Land Subject to Inundation
	Lake
	River

Consequences within the Overview AOI on 02/02/2015		Affected	Total in AOI
Flooded area	ha	5086	
Estimated population	Inhabitants	108	113835
Settlements	Built-Up area	ha	12.3
Transportation	Primary roads	km	1.7
	Secondary roads	km	1.7
	Motorway	km	2
	Local roads	km	24.6
	Harbour	No.	0
	Bridges	No.	1
Utilities	Quarry	ha	13.8
	Processing Facility	ha	0

Map Information
Due to the heavy rainfall in the last days, many areas in the western part of Greece have been flooded.
The rivers Arachthos, Achéron, Kalamas and Louros have been flooded and damages to infrastructures have been reported.
Villages that are located in the delta of Arachthos river have been evacuated for precautionary reasons.
The core users of the maps are Disaster Response Authorities involved in the operations.

Data Sources
Inset maps based on: Administrative boundaries (JRC, 2013, GISC0 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements (Geonames, 2013).
Sentinel-1A (acquired on 02/02/2015 16:31 UTC, GSD 10 m) provided by the European Space Agency.
ESRI World Imagery © Esri, DigitalGlobe (acquired on 05/07/2010 GSD 2.5 m, approx. 1% cloud coverage).
Landsat-8 © USGS (acquired on 04/07/2014, GSD 15 m, approx. 0% cloud coverage).
Base vector layers based on OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames (approx. 1:10000, extracted on 02/02/2015), refined by GAF AG. Source information is included in vector data.

Dissemination/Publication
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 Epiros (GREECE). These basic topographic features are derived from public datasets, refined by means of visual interpretation of pre-event ESRI World Imagery.
The estimated geometric accuracy of this product is 15 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 very 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 03/02/2015 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).
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Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR117>

Flood

Civil Protection

Response

Delineation Map - Overview

Planning

Sentinel-1A © European Space Agency

01-02-2015