



Area of Interest - Detail 04

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

# Epirus - GREECE Flood - 01/02/2015 Reference Map - Detail04

Production date: 02/02/2015



## Cartographic Information

1:36000 Full color ISO A1, medium resolution (200 dpi)

0 0.75 1.5 3 km

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

Legend	
<b>General Information</b>	<b>Point of Interest</b>
Area of Interest	Educational
<b>Administrative boundaries</b>	Institutional
Municipality	Medical
<b>Settlements</b>	Religious
Populated Place	<b>Transportation</b>
Residential	Primary Road
Agricultural	Secondary Road
Cemetery	Local Road
Medical	Bridge
Recreational	Land Subject to Inundation
	Lake
	Coastline
	Canal
	Ditch
	Dam
	River
	Stream

Exposure within the detail AOI			
Estimated population		inhabitants	4165
Settlements	Industrial	ha	37
	Residential	ha	781
	Recreational	ha	1
	Cemetery	ha	5
	Agricultural	ha	2
	Medical	ha	1
Transportation	Primary roads	km	37
	Secondary roads	km	49
	Local roads	km	319
	Bridges	No.	13
	Quarry	ha	12
Utilities	Processing Facility	ha	2

**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, Acheron, 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, GISCO 2010, © EuroGeographics), Hydrology, Transportation (Natural Earth, 2012, CCM River DB © EU-JRC 2007), Settlements (Geonames, 2013).  
ESRI World Imagery © Esri, DigitalGlobe (acquired on 07/05/2010 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.  
Population data: LandScan 2010 © UT BATTELLE, LLC.  
All Data sources are complete and with no gaps.

**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 GID-EMS RUSH Product Portfolio specifications.

**Map Production**  
The present map shows basic topographic features such as transportation, hydrology and settlements in the area of Epirus (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 10 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 02/02/2015 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).  
E-mail: rush@ems-gmes.eu

Map products available at <http://emergency.copernicus.eu/mapping/list-of-components/EMSR117>

Flood

Civil Protection

Response

Reference Map - Detail

Planning

ESRI World Imagery © Esri, DigitalGlobe

01-02-2015