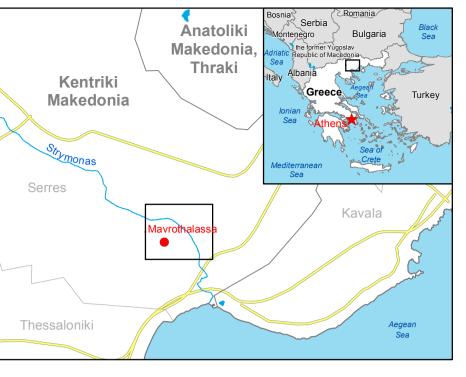


GLIDE number: N/A Activation ID: EMSR122 Product N.: 04MAVROTHALASSA, v2, English

# Mavrothalassa - GREECE

Flood - 30/03/2015
Delineation Map - Monit 01



### **Cartographic Information**

Full color ISO A1, high resolution (300 dpi)

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

(01/04/2015 16:11 UTC) ——— River (29/03/2015 16:24 UTC) General Information

Educational **Transportation** ——Local Road Land Subject to Inundation

 Populated Place Recreational

Consequences within the AOI on 01/04/2015

45330				Affected	Total in AOI
55	Flooded area	ha		2096	
; }	Estimated population	Inhabitants		131	2602
	Settlements	Residential	ha	0	147
		Sports Ground	ha	0	1.5
	Transportation	Secondary roads	km	0	22
		Local roads	km	65.9	298

### Map Information

Due to heavy rainfall during last month, extensive damages have been reported in infrastructures and networks along the Strymonas river, in Central Macedonia. Many embankments have been broken, especially in the southern part of the river, flooding the road and rural network, while many hectares of agricultural land have been completely inundated. The affected areas were declared in the state of emergency. The core users of the maps are Disaster Response Authorities involved in the operations.

Relevant date and time records (UTC)						
Event	30/03/2015 12:00	Last crisis status	01/04/2015 16:11			
Activation	31/03/2015 9:43	Map production	02/04/2015			

COSMO-SkyMed © ASI 2015 (acquired on 01/04/2015 16:11 UTC, GSD 5 m) provided by e-GEOS S.p.A., all rights reserved. Provided under ESA GSC-DA DWH License. Sentinel-1 A (acquired on 29/03/2015 16:24 UTC, GSD 10 m) provided by the European ESRI World Imagery © ESRI Digitalglobe (acquired on 16/08/2010, GSD 0.6 m, 0% cloud

Base vector layers based on OpenStreetMap © OpenStreetMap contributors, GeoNames (approx. 1:10000, extracted on 31/03/2015), refined by ITHACA. Source information is included in vector data.

Elevation data: SRTM (90m posting). Height in meters above mean sea level. 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). Map products available in the Copernicus EMS Portal at the following URL: http://emergency.copernicus.eu/mapping/list-of-components/EMSR122 All products are © of the European Union.

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 Copernicus EMS Rapid Mapping Product Portfolio specifications.

The present map shows the flood delineation in the area of Mavrothalassa (GREECE). The basic topographic features are derived from public datasets, refined by means of visual interpretation of the pre-event ESRI World Imagery. The layer 'Land subject to inundation' includes areas such as riverbed, river meadow and marsh.

event COSMO-SkyMed and Sentinel-1 A images. All satellite images have been radiometrically enhanced and geocoded using SRTM

The estimated geometric accuracy of this product is 5 m CE90 or better, from native positional accuracy of the background satellite image.

The estimated thematic accuracy of this product is 85% or better, based on previous experience in using high-resolution SAR for flood extent delineation. Please be aware that the thematic accuracy might be lower in urban and forested areas due to known limitations of

Map produced by ITHACA under contract 259736 with the European Union. Name of the release inspector (quality control): e-GEOS (ODO).



