

GLIDE number: N/A Int. Charter Act. ID: N/A



Situation as of 06/09/2023 04:40 UTC Delineation MONIT01 - Overview map 01







GDACS ID: N/A

Product version: 1

Potentially Affected Built-up and Transportations



686.2 km

Water or Aquatic infrastructure

Airfield runway

Airfield

Helipad

Hydrography — Coastline Dam Dam — River **Transportation**

— Highway Lake — Main road Local road Inundation --- Railway

Open Water Reservoir

Facilities Long-distance pipelines or

Local pipelines or lines

Dam Mining or extraction site Non residential

Power plant School, Sport and university and research buildings

recreation constructions Dump Site

institutional care buildings

Due to extreme rainfall in Thessaly Region, extended floods occurred in Magnesia Regional Unit, mostly around the city of Volos and coastal areas of Magnesia Regional Unit, mostly around the city of Volos and coastal areas of Pelion mountain peninsula. Extreme rainfall is ongoing and according to the forecast of the National Meteorological Service the rainfall will continue until tomorrow afternoon. One person is missing, and one died, and many cars were drifted away due to the flooding. Local Fire Service received many calls for help to pump water from flooded buildings and rescue people trapped by the rising waters. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation, flood extent and monitoring of the event for the

Data sources and analysis: Pre-event image: Sentinel-2A/B (2023) (acquired on 31/08/2023 at 09:15 UTC, resolution 10.0 m). This image is used as background image.

Post-event image: Sentinel-1A/B (2023) (acquired on 06/09/2023 at 04:39

UTC and 04:40 UTC, resolution 10.0 m).

PAZ satellite image © Hisdesat Servicios Estratégicos S .A., 2021 (acquired on 05/09/2023 at 16:31 UTC, resolution 3 m).

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Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015. Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 © EuroGeographics.
Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2023 https://ghsl.jrc.ec.europa.eu/ghs_pop2023.php
Digital Elevation Model: SRTM (30 m) (NASA/USGS)

The thematic layer has been derived from post-event satellite image by means of visual interpretation. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

Map produced by GMV released by e-GEOS on the 07/09/2023.

Details on this activation and service conditions available through the QR code or at the link: https://rapidmapping.emergency.copernicus.eu/EMSR692



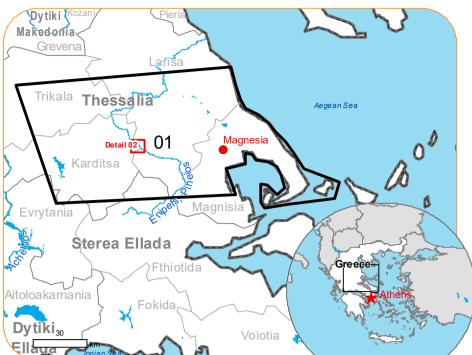


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EMSR692 - AOI01 Flood in Greece MAGNESIA

Situation as of 06/09/2023 04:40 UTC

Delineation MONIT01 - Detail map 02





Potentially Affected Built-up and Transportations



(15% of total affected)

61.7 km (9% of total affected)

GDACS ID: N/A

Product version: 1

Built-Up 16.3 ha (9% of total affected)

Crisis Information Hydrography Flooded Area — River

Area of Interest I _ Image Footprint

Administrative boundaries

Municipality **Placenames**

Placename

Residential

Long-distance pipelines or lines

— Stream

Facilities

Power plant Dam

Transportation — Main road

Local road ---- Track

--- Railway

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EMSR692 AOI: 01 Magnesia Delineation

Consequences within the	AOI			
	Unit of meas	Affected	Total in AOI	
Flooded area		ha		18,392.6
Estimated population	Number of inhabitants		~ 1,100	~ 630,000
Built-up	Residential Buildings	ha	123.0	25,702.3
	Office buildings	ha	0.1	141.0
	Wholesale and retail trade buildings		0.0	26.4
	Industrial buildings		58.1	1,562.3
	School, university and research buildings		0.0	207.1
	Hospital or institutional care buildings		0.0	36.7
	Military	ha ha	0.0	2,003.8
	Cemetery	ha	1.1	98.5
Transportation	Airfield runways	ha	0.0	2,066.3
	Helipad	ha	0.0	0.5
	Harbours		0.0	25.7
	Airfield runways	km	0.0	64.3
	Highways	km	7.1	611.3
	Primary Road	km	12.2	490.4
	Secondary Road	km	17.7	1,519.8
	Local Road	km	97.6	10,614.0
	Cart Track	km	551.6	18,947.8
	Railway Yard	km	0.0	0.6
	Harbours	km	0.0	4.3
	Long-distance railways	km	23.0	572.1
Facilities	Settling Basin	ha	0.0	21.0
	Breakwater	ha	0.0	2.7
	Dams	ha	0.2	33.0
	Constructions for mining or extraction	ha	0.0	819.2
	Power plant constructions	ha	5.6	618.7
	Sport and recreation constructions		1.1	590.3
	Other civil engineering works not elsewhere classified		0.0	34.8
	Long-distance pipelines, communication and electricity lines	km	19.8	950.6
	Local pipelines and cables	km	0.0	12.4
	Dams	km	0.0	8.8
Land use	Arable land	ha	17,466.1	388,411.5
	Pastures	ha	452.8	8,984.4
	Other	ha	172.4	92,551.5
	Open spaces with little or no vegetation	ha	99.6	2,878.7
	Shrub and/or herbaceous vegetation association	ha	89.7	219,987.2
	Forests	ha	52.5	98,490.4
	Inland wetlands	ha	32.7	1,098.0
	Heterogeneous agricultural areas	ha	26.5	69,964.1
	Permanent crops	ha	0.2	24,002.4
	Coastal wetlands	ha	0.0	25.8

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products

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Data access:

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data). The table above is available in editable format in the Crisis Information Package.

All products and data are also available for download on the portal.



Access to the portal



