GLIDE number: N/A
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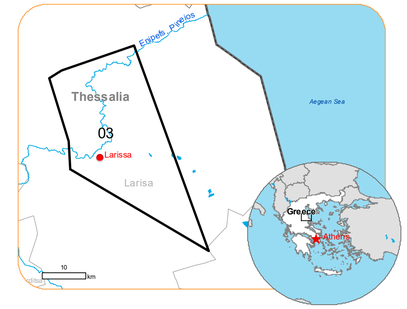
Product version: 1

EMSR692 - AOI03
Flood in Greece
LARISSA

Situation as of 14/09/2023 08:38 UTC

Delineation MONIT02 - Overview map 01



Flooded area 10,383.0 ha
Flood trace 4,602.3 ha
Previous flooded area 13,690.8 ha

Potentially affected population
~ 14000

Potentially Affected Built-up, Transportations and Facilities

Built-Up	Road	Railway
275.7 ha	272.2 km	19.6 km

Airport	Facilities
1.1 km	42.7 km
4.1 ha	128.0 ha

Crisis Information
- Flooded Area
- Flood trace
- Previous Flooded Area (12/09/2023 08:53 UTC)

General Information
- Area of Interest
- Image Footprint
- Not Analysed

Administrative boundaries
- Municipality

Placenames
- Placename

Built-Up Area
- Residential
- Non residential
- School, university and research buildings
- Hospital or institutional care buildings
- Military

Hydrography
- River
- Stream
- Waterfall
- Lake
- Reservoir

Facilities
- Long-distance pipelines or lines
- Local pipelines or lines
- Dam
- Mining or extraction site
- Power plant
- Sport and recreation constructions
- Dump Site
- Water or Aquatic infrastructure
- Dam

Transportation
- Highway
- Main road
- Local road
- Railway
- Airfield runway
- Airfield
- Helipad

Event:
Due to extreme rainfall in Thessaly Region, extended floods occurred in 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 emergency mapping.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2023) (acquired on 31/08/2023 at 09:15 UTC, resolution 10.0 m).
Post-event image: SPOT6/7 © Airbus DS (2023), (acquired on 14/09/2023 at 08:38 UTC, resolution 1.5 m). This image is used as background image.
SPOT6/7 © Airbus DS (2023), (acquired on 12/09/2023 at 08:53 UTC, resolution 1.5 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

The thematic layer has been derived from post-event satellite image by means of photo-interpretation.

Map produced by CLS released by SERTIT on the 14/09/2023.

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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N
0 1,25 2,5 5 km
WGS 1984 UTM Zone 34N 1:82000

EMSR692 AOI: 03 Larissa Delineation

Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Flooded area		ha		10 383,0
Flood trace		ha		4 602,3
Previous flooded area		ha		13 690,8
Estimated population	Number of inhabitants		~ 14 000	~ 180 000
Built-up	Residential Buildings	ha	158,5	3 720,9
	Office buildings	ha	23,0	111,3
	Wholesale and retail trade buildings	ha	0,0	3,5
	Industrial buildings	ha	85,9	561,3
	School, university and research buildings	ha	0,4	81,7
	Hospital or institutional care buildings	ha	0,0	23,0
	Military	ha	7,6	1 245,6
	Cemetery	ha	0,4	18,6
Transportation	Airfield runways	ha	4,1	873,1
	Helipad	ha	0,0	0,4
	Airfield runways	km	1,1	28,3
	Highways	km	37,4	178,7
	Primary Road	km	11,3	105,3
	Secondary Road	km	24,6	193,5
	Local Road	km	199,0	1 576,8
	Long-distance railways	km	19,6	138,1
Facilities	Settling Basin	ha	11,7	11,8
	Dams	ha	0,3	0,3
	Constructions for mining or extraction	ha	28,0	79,8
	Power plant constructions	ha	30,9	122,1
	Sport and recreation constructions	ha	57,2	168,7
	Other civil engineering works not elsewhere classified	ha	0,0	18,2
	Long-distance pipelines, communication and electricity lines	km	42,4	227,4
	Local pipelines and cables	km	0,0	0,1
	Dams	km	0,3	0,3
Land use	Arable land	ha	12 353,1	49 942,4
	Other	ha	1 466,9	8 578,7
	Heterogeneous agricultural areas	ha	559,3	8 845,3
	Pastures	ha	261,5	790,4
	Inland wetlands	ha	132,6	191,4
	Open spaces with little or no vegetation	ha	121,9	397,3
	Shrub and/or herbaceous vegetation association	ha	78,0	9 809,6
	Permanent crops	ha	11,8	2 818,8

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 Land Use - Land Cover layer(s),
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

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