

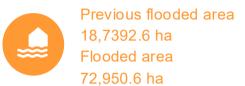
GLIDE number: N/A Int. Charter Act. ID: N/A GDACS ID: FL 1102199 Product version: 1



Situation as of 07/09/2023 16:25 UTC

Delineation MONIT02 - Overview map 01







Sport and

Dump Site

infrastructure

Transportation

— Highway

--- Railway

Airfield

Helipad

Harbour

Airfield runway

── Main road

___ Dam

Land Subject to — Local road

Inundation

Reservoir

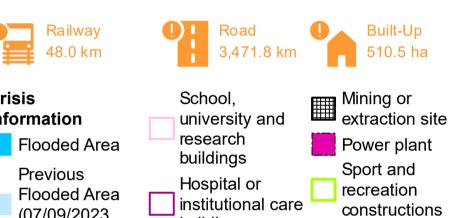
Facilities

Dam

Open Water

Water or Aquatic

Potentially Affected Built-up and Transportations



04:40 UTC) Military Hydrography Coastline Area of Interest

Detail map | __ Image Footprint ___ Waterfall

Not Analysed Lake **Administrative** boundaries Province

Placenames Placename **Built-Up Area**

Long-distance pipelines or Residential Non residential Local pipelines

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 07/09/2023 at 16:24

UTC and 16:25 UTC, resolution 10.0 m).
Sentinel-1A/B (2023) (acquired on 06/09/2023 at 04:39 UTC and 04:40 UTC,

resolution 10.0 m). All images are provided under COPERNICUS by the European Union and

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2023), Wikimapia.org, GeoNames 2015. Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 © EuroGeographics.
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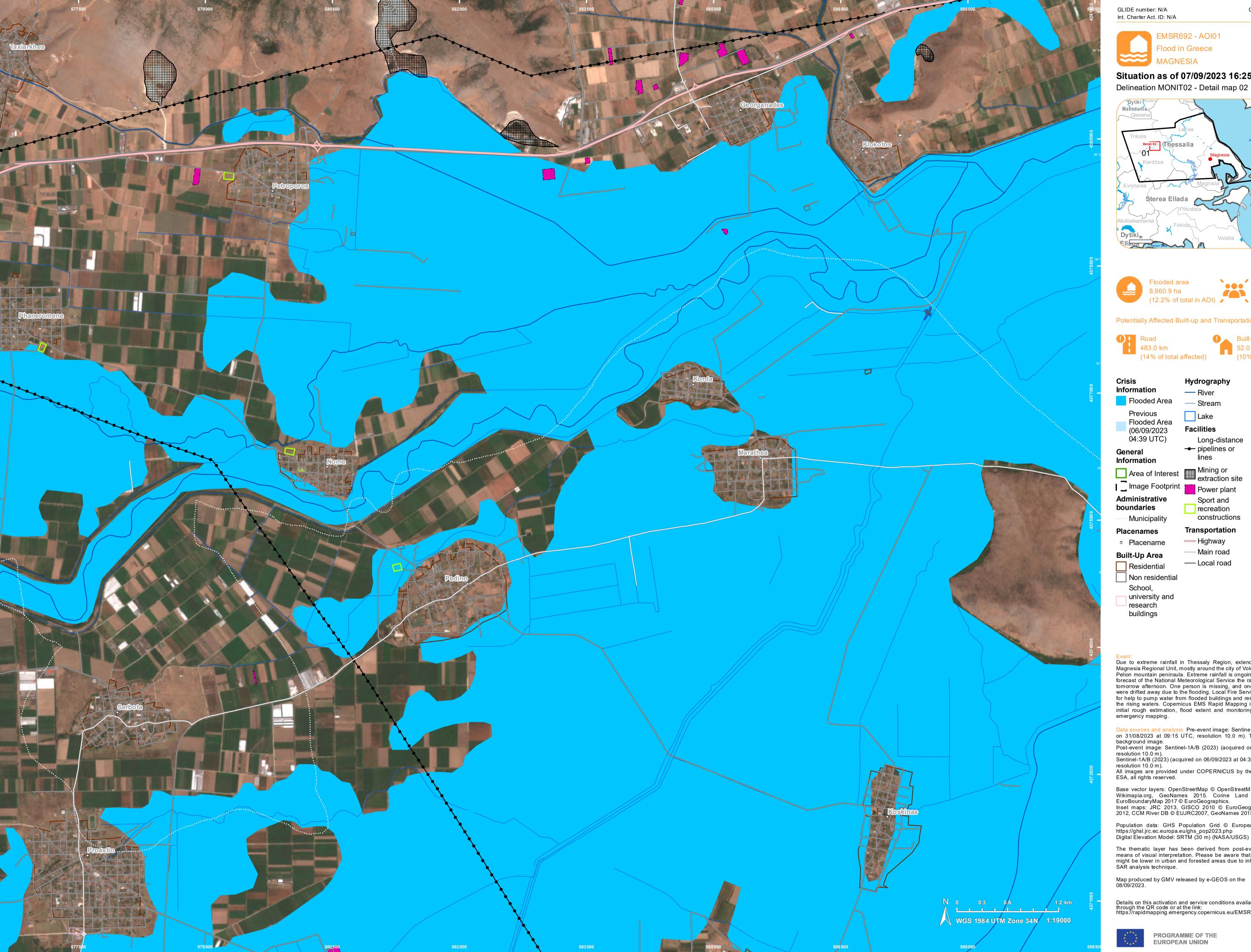
Population data: GHS Population Grid © European Commission, 2023 https://ghsl.jrc.ec.europa.eu/ghs_pop2023.php
Digital Elevation Model: SRTM (30 m) (NASA/USGS) The thematic layer has been derived from post-event satellite image by means of visual interpretation. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the

Map produced by GMV released by e-GEOS on the 08/09/2023.

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



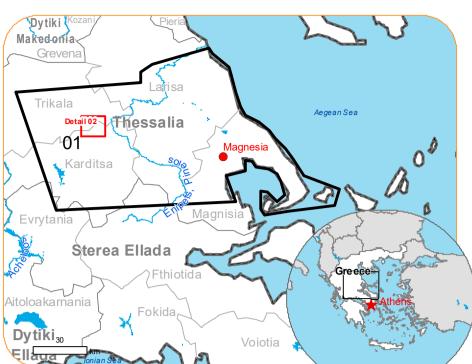




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EMSR692 - AOI01 Flood in Greece MAGNESIA

Situation as of 07/09/2023 16:25 UTC





Potentially Affected Built-up and Transportations



Hydrography

— River — Stream Lake

Facilities

constructions

Transportation

Highway

— Main road

Local road

04:39 UTC) Long-distance pipelines or

Area of Interest Mining or extraction site

I __ Image Footprint Power plant Sport and recreation

Municipality

Placename

Residential Non residential

university and research

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

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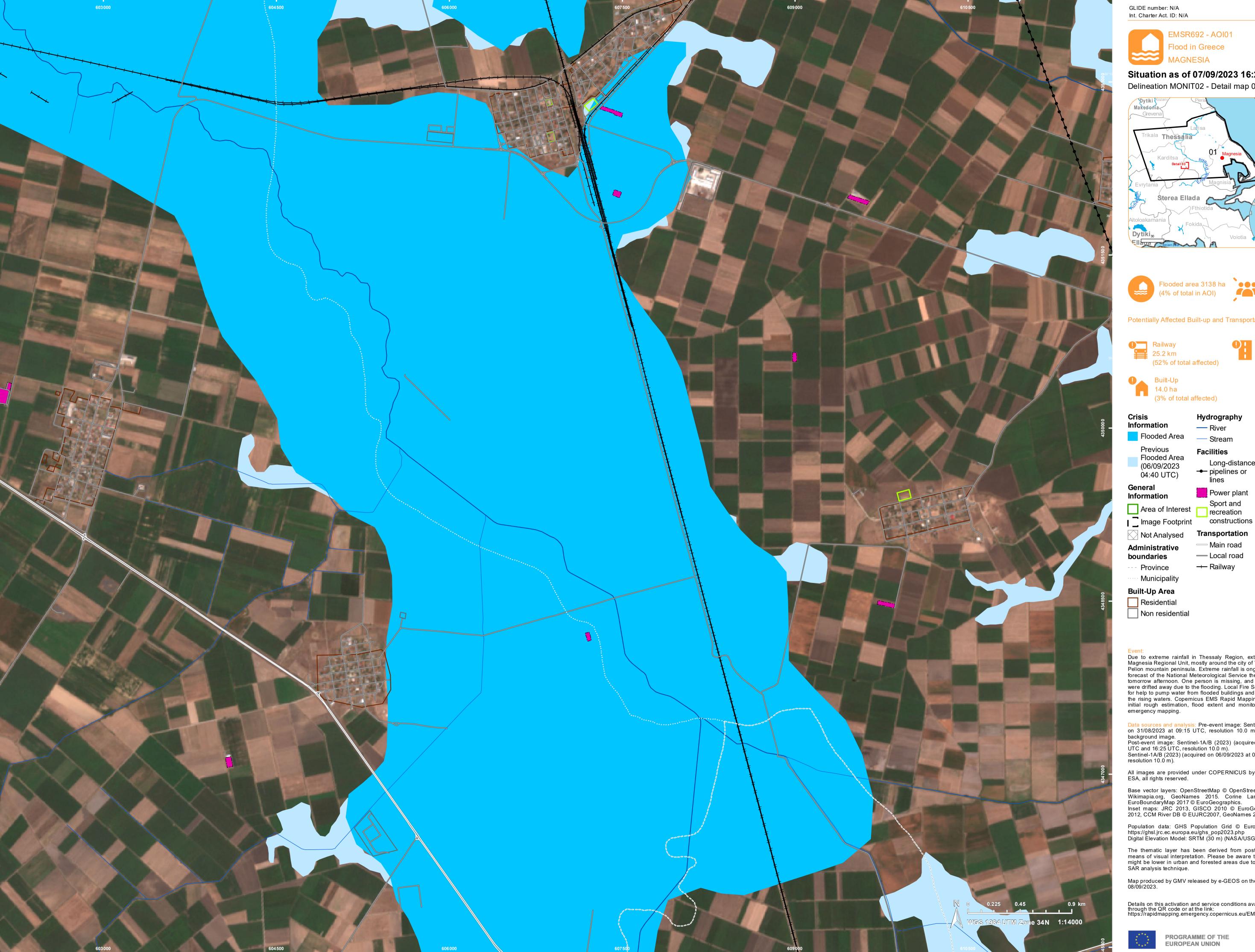
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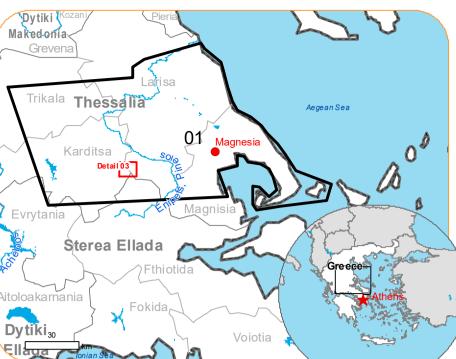


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Situation as of 07/09/2023 16:25 UTC

Delineation MONIT02 - Detail map 03







Potentially Affected Built-up and Transportations

Hydrography

Transportation

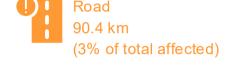
── Main road

Local road

── Railway



(52% of total affected)





information	RiverStream		
Flooded Area			
Previous Flooded Area	Facilities		
(06/09/2023 04:40 UTC)	Long-distance pipelines or lines		
General Information	Power plant		
Area of Interest	Sport and recreation		

Not Analysed **Administrative** boundaries

Province Municipality

Built-Up Area

Residential Non residential

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 emergency mapping.

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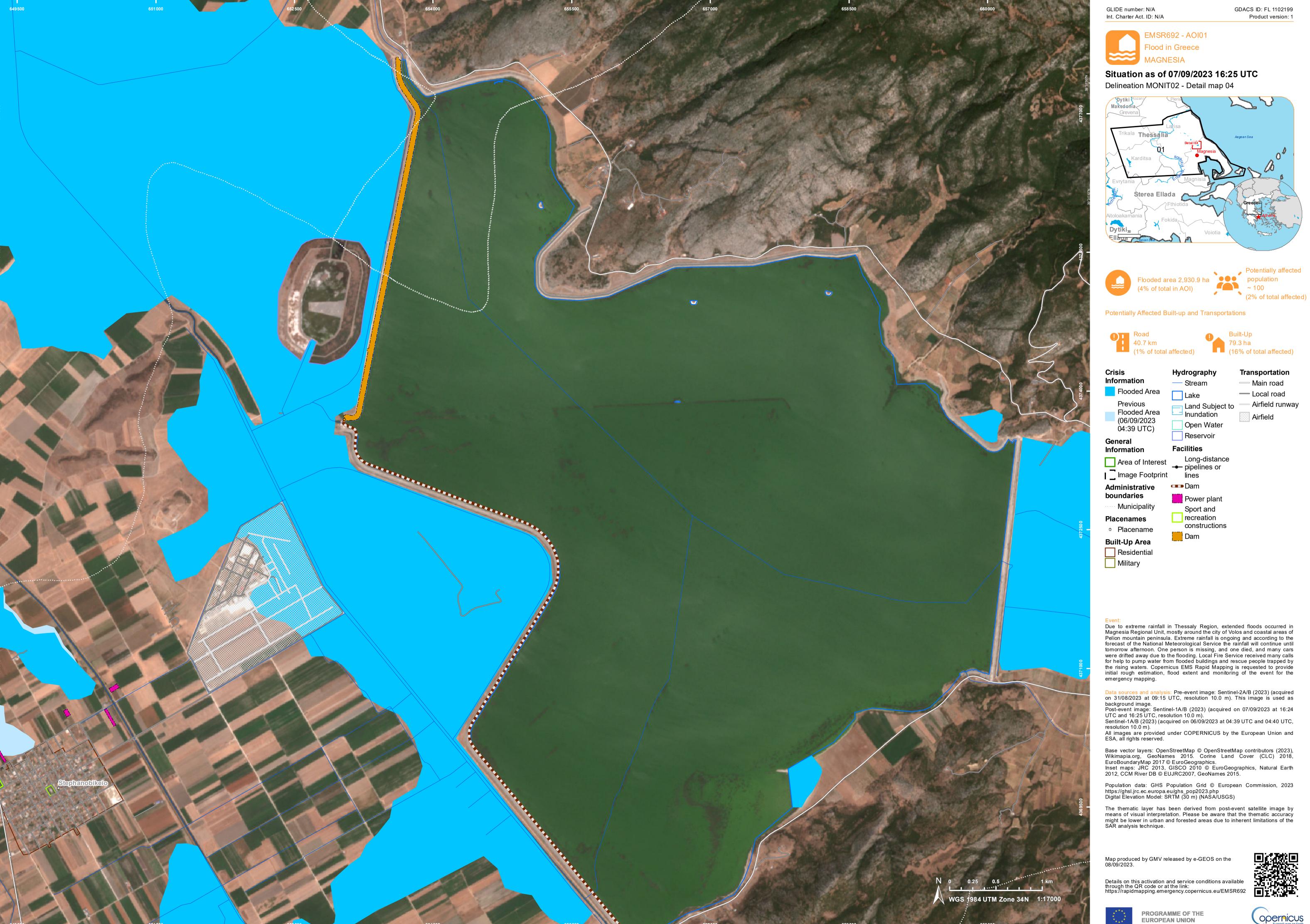
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EMSR692 AOI: 01 Magnesia Delineation

Consequences within the A		.1	Affected	Total in AOI
D : " 1 1	Unit of meas	Unit of measurement		
Previous flooded area		ha		18,392.6
Flooded area		ha		72,950.6
Estimated population	Number of inhabitants	_	~ 6,000	~ 640,000
Built-up	Residential Buildings	ha	360.8	26,690.3
	Office buildings	ha	0.4	142.0
	Wholesale and retail trade buildings		0.0	26.7
	Industrial buildings		61.7	1,716.1
	School, university and research buildings	ha	0.1	207.7
	Hospital or institutional care buildings	ha	0.0	36.7
	Military	ha	82.6	2,030.2
	Cemetery	ha	5.0	102.2
Transportation	Airfield runways	ha	93.3	2,066.3
	Helipad	ha	0.0	0.5
	Harbours	ha	0.0	25.7
	Airfield runways	km	6.4	64.3
	Highways	km	62.5	661.0
	Primary Road		32.0	513.3
	Secondary Road	km	80.2	1,612.5
	Local Road	km	365.5	11,002.8
	Cart Track	km	2,931.6	20,067.0
	Railway Yard	km	0.0	1,165.3
	Harbours	km	0.0	0.6
	Long-distance railways	km	48.0	625.0
Facilities	Settling Basin	ha	1.0	21.0
	Breakwater	ha	0.0	2.7
	Dams	ha	0.4	33.0
	Constructions for mining or extraction		26.5	819.2
	Power plant constructions		42.0	618.7
	Sport and recreation constructions		18.1	590.3
	Other civil engineering works not elsewhere classified		0.0	34.8
	Long-distance pipelines, communication and electricity lines		65.7	987.7
	Local pipelines and cables		0.0	12.4
	Dams	km	0.6	8.8
Land use	Arable land	ha	66,328.3	390,522.6
	Pastures	ha	2,598.6	9,123.2
	Other	ha	2,401.8	96,798.5
	Heterogeneous agricultural areas	ha	508.2	73,578.0
	Inland wetlands	ha	418.5	1,098.0
	Shrub and/or herbaceous vegetation association		118.2	223,294.2
	Open spaces with little or no vegetation	ha	58.3	3,100.4
	Forests	ha	51.0	109,840.0
	Permanent crops	ha	24.2	24,250.8
	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



