

EMSR868 - AOI02
Flood in Evros River basin, Greece
FERES

Situation as of 27/02/2026 16:14 UTC
Delineation MONIT03 - Overview map 01



Flooded area
EO-based 1,436.1 ha
Model-based 8,620.8 ha

Potentially affected population
~ 110

Potentially Affected Built-up and Transportations

Built-Up 2.4 ha
Road 274.8 km
Railway 8.7 km

Estimated flood depth (m)	Facilities	
Below 0.50	Long-distance pipelines or lines	
0.50 to 1.00	Dam	
1.00 to 2.00	Power plant	
2.00 to 4.00	Sport and recreation constructions	
General Information	Water or Aquatic infrastructure	
Area of Interest	Dam	
Detail map	Transportation	
Administrative Boundaries	International Boundary	Highway
Built-Up Area	International Boundary	Main road
Residential	Main road	Local road
Non residential	Local road	Track
School, university and research buildings	Track	Railway
Military	Railway	Airfield runway
Hydrography	Airfield runway	Helipad
Lake, River	Helipad	

Event: On February 19, local Greek authorities reported that large areas in the Greek part of the Evros River basin had been flooded, affecting agricultural areas and likely settlements along the river. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation, Flood extent and damage assessment emergency mapping.

Data sources and analysis: Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 05/05/2025, resolution 0.9 m). This image is used as background image.
Post-event image: COSMO-SkyMed SG © ASI (2026), distributed by e-GEOS S.p.A. (acquired on 27/02/2026 at 16:14 UTC, resolution 15.0 m).

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The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.
An extrapolated flood extent is generated by integrating observed flood areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM resolution and quality, enabling the prediction of potentially flooded areas in regions with limited visibility in imagery, such as urban and forested zones.

Map produced by e-GEOS released by e-GEOS on the 27/02/2026.

Details on this activation and service conditions available through the QR code or at the link: <https://mapping.emergency.copernicus.eu/activations/EMSR868>

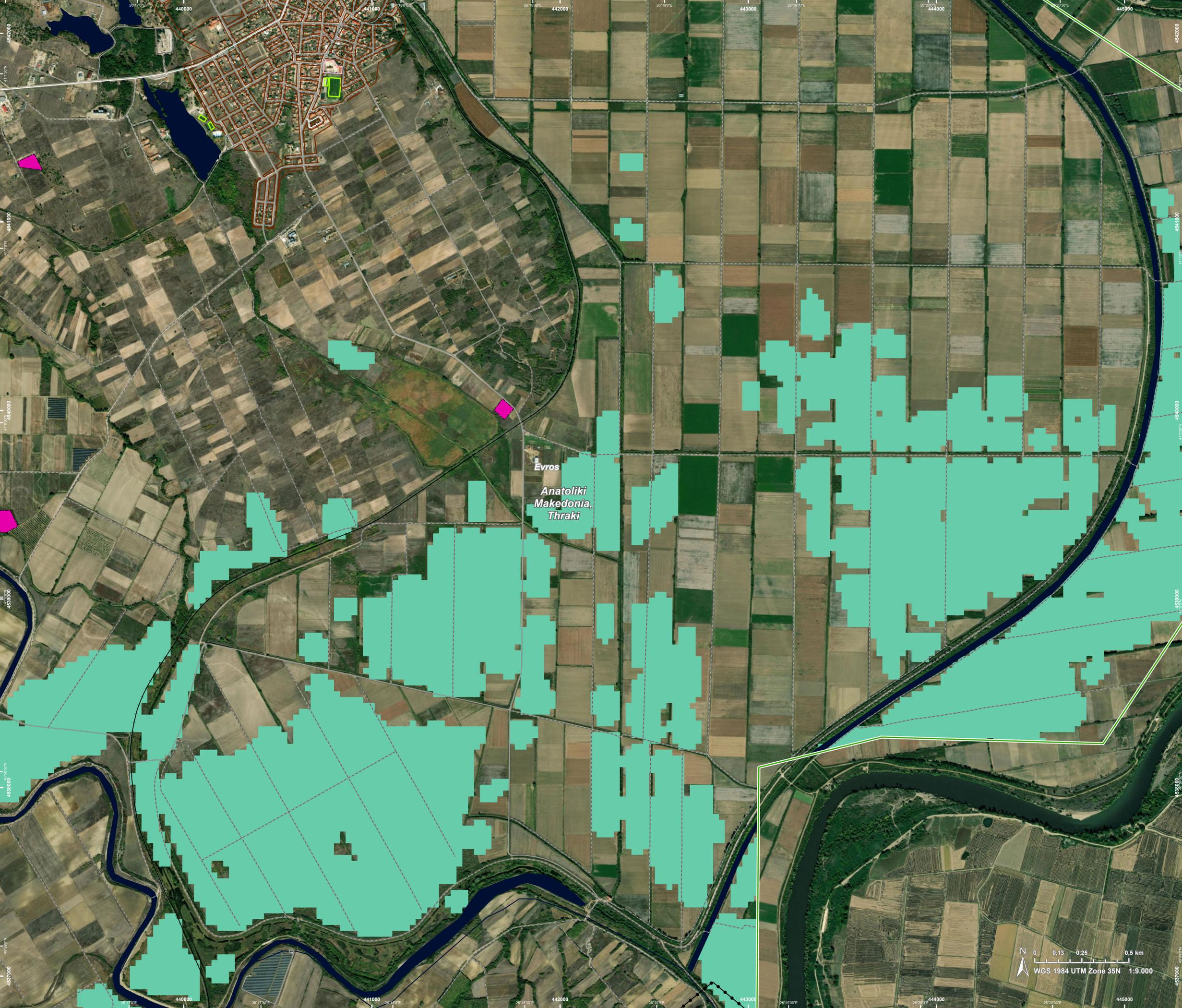


EMSR868 - AOI02
Flood in Evros River basin, Greece
FERES

Situation as of 27/02/2026 16:14 UTC
Delineation MONIT03 - Detail map 02



- | | |
|---|------------------------------------|
| Estimated flood depth (m) | Hydrography |
| Below 0.50 | Lake, River |
| General Information | Facilities |
| Area of Interest | Long-distance pipelines or lines |
| Administrative Boundaries | Power plant |
| International Boundary | Sport and recreation constructions |
| Built-Up Area | Transportation |
| Residential | Main road |
| Non residential | Local road |
| School, university and research buildings | Track |
| | Railway |



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Consequences within the AOI

Crisis information	Flooded area Maximum of all extents**	Unit of measurement	LATEST IMPACT		
			Imagery-based observation*	Model-based output	Imagery- and Model-based results
		ha	1.436,1	8.620,8	10.056,9
		ha	1.436,1	8.620,8	10.056,9

Estimated population	Assets	Inhabitants	No.	POTENTIALLY AFFECTED		TOTAL POTENTIALLY AFFECTED	Total in AOI
				- 10	- 100	- 110	- 25.000
	Built-up	Residential Buildings	ha	0	2,4	2,4	841,4
		Wholesale and retail trade buildings	ha	0	0	0	2,8
		Industrial buildings	ha	0	0	0	190,1
		School, university and research buildings	ha	0	0	0	2,5
		Military	ha	0	0	0	181,2
		Cemetery	ha	0	0	0	14,9
	Transportation	Airfield runways	ha	0	0	0	160,9
		Helipad	ha	0	0	0	0,1
		Airfield runways	km	0	0	0	3,3
		Highways	km	0	0,04	0,04	110,5
		Primary Road	km	0	0	0	110,2
		Secondary Road	km	0	0	0	27,5
		Local Road	km	0,7	4,0	4,7	580,0
		Cart Track	km	39,3	230,7	270,0	1.862,5
		Long-distance railways	km	0,1	8,5	8,7	83,5
	Facilities	Settling Basin	ha	0,01	0,4	0,4	3,0
		Dams	ha	0	0,4	0,4	0,4
		Power plant constructions	ha	0	1,4	1,4	100,0
		Sport and recreation constructions	ha	0	0	0	9,5
		Long-distance pipelines, communication and electricity lines	km	0,4	0,1	0,4	118,5
		Dams	km	0	0,1	0,1	0,3
	Land use	Arable land	ha	1.431,1	5.442,4	6.873,4	37.967,7
		Pastures	ha	3,9	3,1	6,9	1.891,2
		Heterogeneous agricultural areas	ha	1,2	1,3	2,5	4.621,4
		Permanent crops	ha	0	0	0	54,9
		Forests	ha	0	0	0	5.296,2
		Shrub and/or herbaceous vegetation association	ha	0	2,2	2,2	12.333,7
		Open spaces with little or no vegetation	ha	0	4,5	4,5	217,5
		Inland wetlands	ha	0	785,7	785,7	1.190,6
		Other	ha	0	1.059,5	1.059,5	6.743,0
		Coastal wetlands	ha	0	1.322,1	1.322,1	4.328,1

* Corresponds to the water observed in the most recent satellite imagery, excluding permanent water
 ** Corresponds to the geographic union (and NOT the sum) of all Crisis Information extents.

Disclaimer:
 Full disclaimer and other helpful information available in the online manual:
<https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/>
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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.

Estimated Population:
 Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset. Additional population datasets and analysis are available in the summary table.

Data Sources:
 Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2026); Wikimapia.org; GeoNames 2015; © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.
 Corine Land Cover (CLC) 2018.

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;
 © EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2024.

Digital Elevation Model:
 FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30

