

EMSR868 - AOI02
Flood in Evros River basin, Greece
FERES

Situation as of 19/02/2026 16:07 UTC
Delineation - Overview map 01



Flooded area
EO-based 5,844.7 ha
Model-based 4,547.5 ha

Potentially affected population
~ 60

Potentially Affected Built-up and Transportations

Built-Up
7.1 ha

Road
193.8 km

Railway
2.2 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
Crisis Information	Sport and recreation constructions
Flooded Area	Water or Aquatic infrastructure
Area of Interest	Dam
Detail map	Transportation
Administrative Boundaries	Highway
- - International Boundary	Main road
Built-Up Area	Local road
Residential	Track
Non residential	Railway
School, university and research buildings	Airfield runway
Military	Airfield
Hydrography	Helipad
Lake, River	

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: Sentinel-1 (2026) (acquired on 19/02/2026 at 16:07 UTC, resolution 20.0 m).

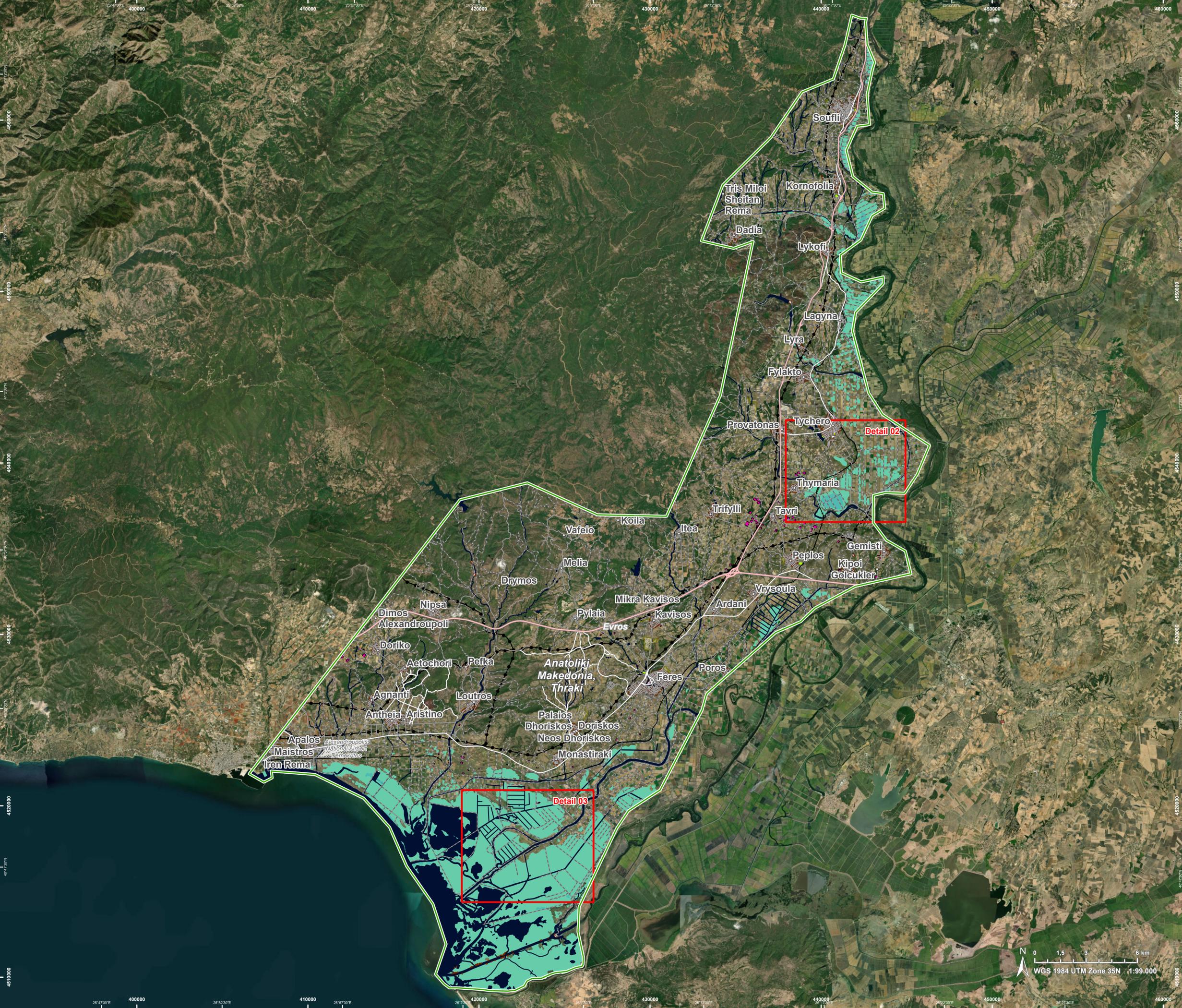
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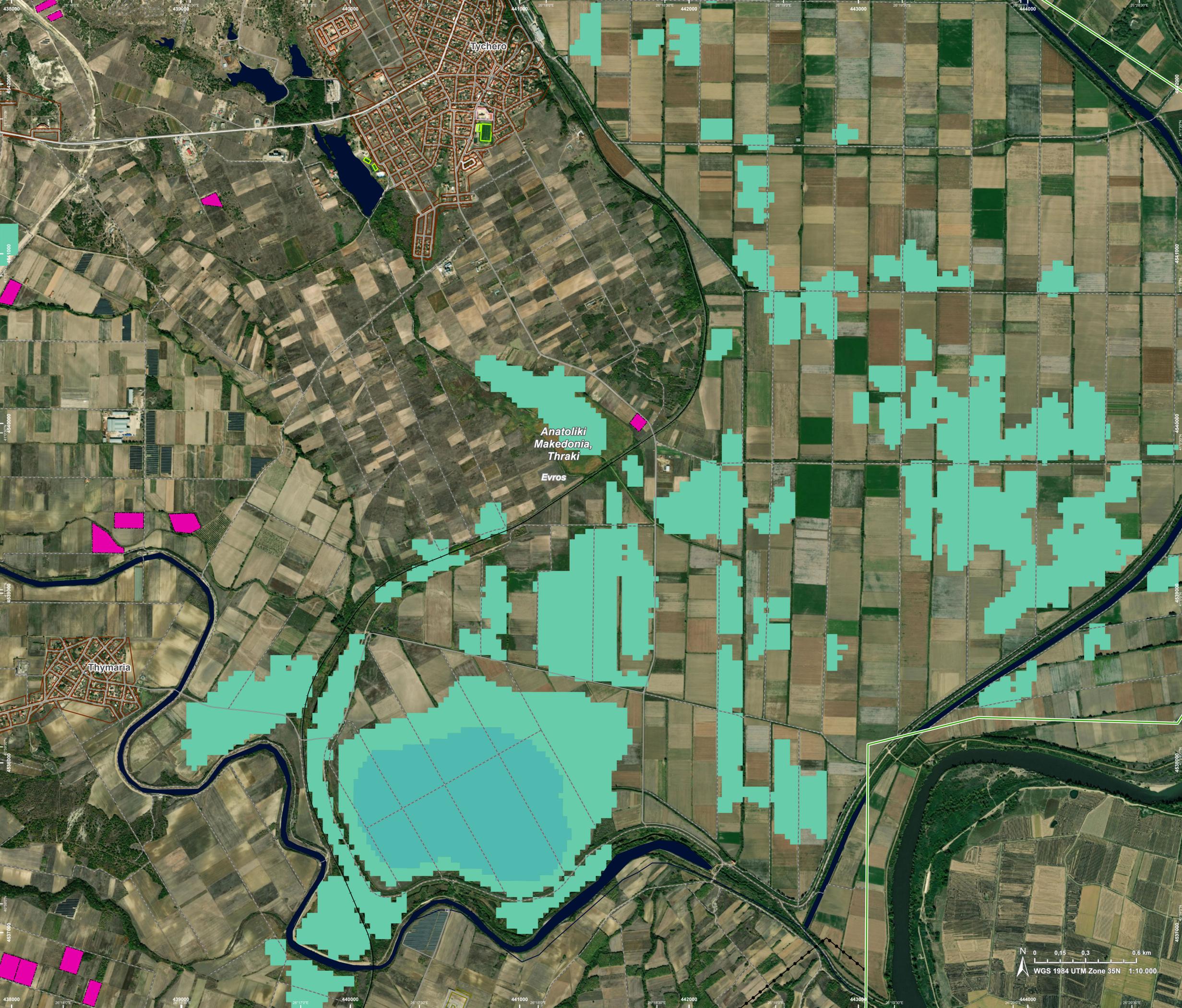
The thematic layer has been derived from post-event satellite image using a semi-automatic approach. Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

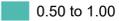
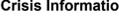
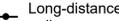
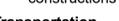
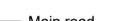
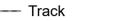
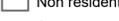
The flooded area corresponds to the water observed in the most recent satellite imagery, excluding the permanent water.
An extrapolated flood extent is generated by integrating observed flood areas with a Digital Terrain Model (DTM). The model's accuracy and spatial coverage depend on DTM resolution 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 23/02/2026.

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





- | | |
|---|--|
| Estimated flood depth (m) | Hydrography |
|  Below 0.50 |  Lake, River |
|  0.50 to 1.00 | Facilities |
|  Flooded Area |  Long-distance pipelines or lines |
| General Information |  Power plant |
|  Area of Interest |  Sport and recreation constructions |
| Administrative Boundaries | Transportation |
|  International Boundary |  Main road |
|  Residential |  Local road |
|  Non residential |  Track |
|  School, university and research buildings |  Railway |
|  Military | |

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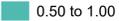
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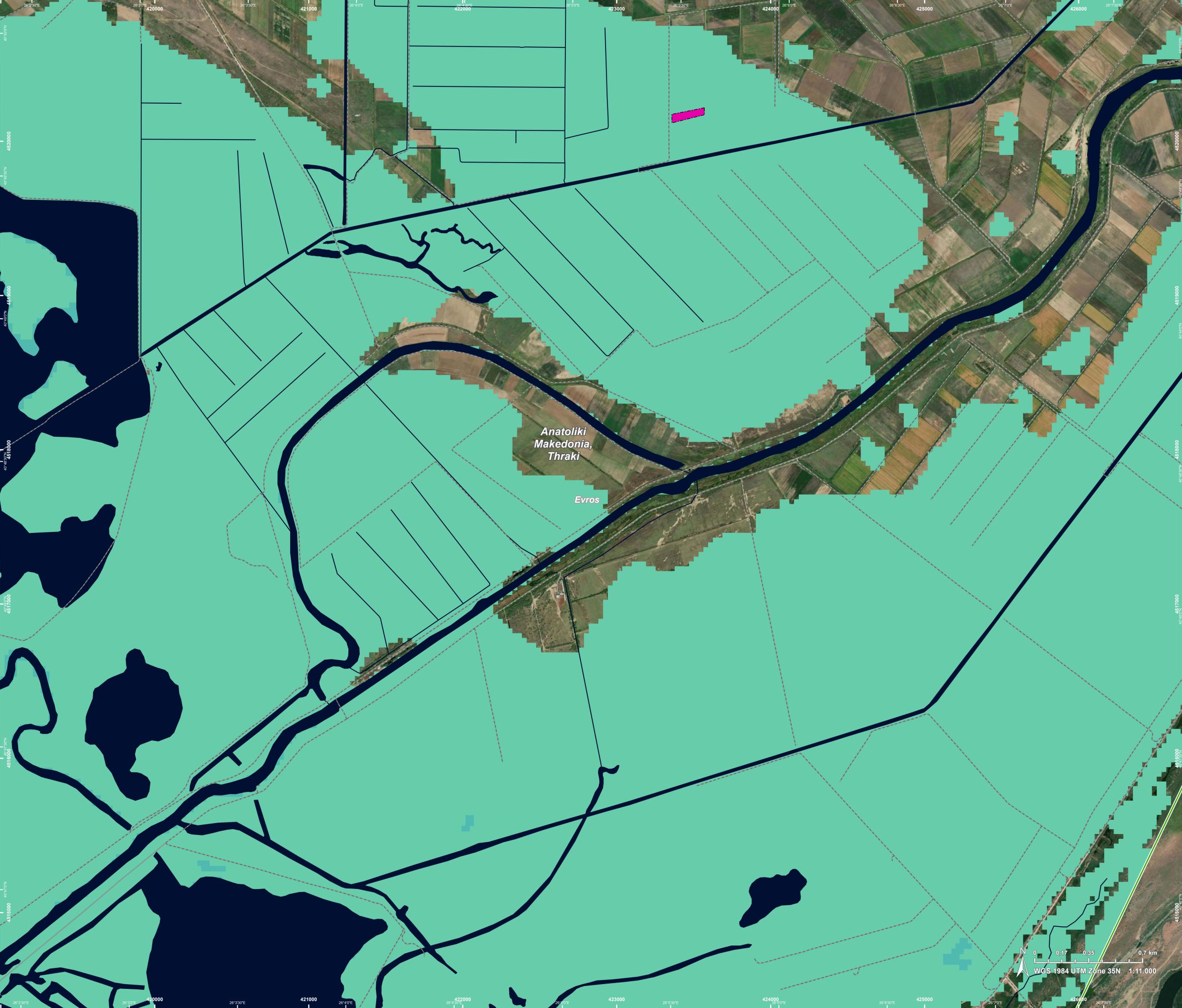
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Consequences within the AOI

			LATEST IMPACT				
			Unit of measurement	Imagery-based observation*	Model-based output	Imagery- and Model-based results	
Crisis information	Flooded area		ha	5.844,7	4.547,5	10.392,1	
	Maximum of all extents**		ha	5.844,7	4.547,5	10.392,1	
			POTENTIALLY AFFECTED			TOTAL POTENTIALLY AFFECTED	Total in AOI
Estimated population		Inhabitants	No.	~ 20	~ 40	~ 60,	~ 25.000
Assets	Built-up	Residential Buildings	ha	0,2	6,7	6,8	841,4
		Wholesale and retail trade buildings	ha	0	0	0	2,8
		Industrial buildings	ha	0	0,3	0,3	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	0,02	0,2	0,2	110,5
		Primary Road	km	0	0,1	0,1	110,2
		Secondary Road	km	0	0,1	0,1	27,5
		Local Road	km	2,4	3,5	6,0	580,0
		Cart Track	km	53,4	133,9	187,4	1.862,5
		Long-distance railways	km	0,04	2,1	2,2	83,5
	Facilities	Settling Basin	ha	0	0	0	3,0
		Dams	ha	0	0,4	0,4	0,4
		Power plant constructions	ha	0,5	0,5	1,1	100,0
		Sport and recreation constructions	ha	0	0	0	9,5
		Long-distance pipelines, communication and electricity lines	km	0,3	0,2	0,5	118,5
		Dams	km	0	0,1	0,1	0,3
	Land use	Arable land	ha	2.318,9	2.327,2	4.646,2	37.967,7
		Coastal wetlands	ha	2.069,6	1.409,0	3.478,6	4.328,1
		Other	ha	947,0	390,4	1.337,4	6.743,0
		Inland wetlands	ha	478,3	394,6	872,9	1.190,6
		Open spaces with little or no vegetation	ha	25,0	20,3	45,3	217,5
		Pastures	ha	5,9	5,2	11,1	1.891,2
		Heterogeneous agricultural areas	ha	0,02	0,6	0,6	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	0	0	12.333,7

* 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
 Digital Elevation Model (DEM) (Airbus, 2020).