

EMSR868 - AOI01
Flood in Evros River basin, Greece
ORESTIADA

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



Flooded area
EO-based 2,600.7 ha
Model-based 2,268.6 ha

Potentially affected population
~ 190

Potentially Affected Built-up and Transportations

Built-Up 2.1 ha
Road 154.3 km
Railway 5.9 km

- | | |
|---|------------------------------------|
| Estimated flood depth (m) | Hydrography |
| Below 0.50 | Lake, River |
| 0.50 to 1.00 | Facilities |
| 1.00 to 2.00 | Long-distance pipelines or lines |
| 2.00 to 4.00 | Acqueduct |
| Above 4.00 | Dam |
| General Information | Mining or extraction site |
| Area of Interest | Power plant |
| Detail map | Sport and recreation constructions |
| Administrative Boundaries | Dump Site |
| International Boundary | Water or Aquatic infrastructure |
| Built-Up Area | Transportation |
| Residential | Highway |
| Non residential | Main road |
| School, university and research buildings | Local road |
| Hospital or institutional care buildings | Railway |
| Military | Airfield runway |
| | 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 23/03/2025, resolution 0.9 m). Post-event image: Sentinel-1 (2026) (acquired on 19/02/2026 at 16:07 UTC, resolution 20m). All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

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 Telespazio Iberica released by e-GEOS on the 21/02/2026.

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



EMSR868 - AOI01
Flood in Evros River basin, Greece
ORESTIADA

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



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

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 23/03/2025, resolution 0.9 m). Post-event image: Sentinel-1 (2026) (acquired on 19/02/2026 at 16:07 UTC, resolution 20m). All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

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 Telespazio Iberica released by e-GEOS on the 21/02/2026.

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

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	2,600.7	2,268.6	4,869.3
		ha	2,600.7	2,268.6	4,869.3

Estimated population	Inhabitants	No.	POTENTIALLY AFFECTED			TOTAL POTENTIALLY AFFECTED	Total in AOI	
			~ 90	~ 100	~ 190			
Assets	Built-up	Residential Buildings	ha	0.2	1.8	2.0	1,534.7	
		Office buildings	ha	0	0	0	2.3	
		Industrial buildings	ha	0	0	0	119.0	
		School, university and research buildings	ha	0	0	0	4.7	
		Hospital or institutional care buildings	ha	0	0	0	0.4	
		Military	ha	0	0.2	0.2	629.1	
		Cemetery	ha	0	0	0	29.9	
	Transportation	Helipad	ha	0	0	0	0.1	
		Airfield runways	km	0	0	0	0.6	
		Highways	km	0.5	1.1	1.6	83.6	
		Primary Road	km	0	0	0	10.3	
		Secondary Road	km	0.2	0.4	0.5	115.1	
		Local Road	km	0.3	4.3	4.6	689.0	
		Cart Track	km	54.3	93.2	147.5	2,634.7	
		Long-distance railways	km	1.1	4.8	5.9	96.8	
	Facilities	Settling Basin	ha	0	0.1	0.1	2.8	
		Constructions for mining or extraction	ha	0	0	0	2.2	
		Power plant constructions	ha	0	0	0	19.7	
		Sport and recreation constructions	ha	0.01	0.6	0.6	28.7	
		Other civil engineering works not elsewhere classified	ha	0	0	0	0.3	
		Long-distance pipelines, communication and electricity lines	km	0.3	0.4	0.7	69.3	
		Aqueducts, irrigation and cultivation waterworks	km	0	0.2	0.2	44.0	
		Dams	km	0	0.02	0.02	0.8	
	Land use	Arable land	ha	1,701.3	1,924.4	3,625.7	66,528.2	
		Heterogeneous agricultural areas	ha	750.4	147.1	897.6	10,932.0	
		Pastures	ha	81.1	29.9	111.1	837.3	
		Inland wetlands	ha	47.9	39.2	87.1	380.8	
		Other	ha	11.4	63.4	74.8	3,166.4	
		Open spaces with little or no vegetation	ha	7.8	63.1	70.8	314.5	
		Forests	ha	0.7	1.4	2.2	4,192.7	
		Permanent crops	ha	0	0	0	50.2	
		Shrub and/or herbaceous vegetation association	ha	0	0	0	2,715.4	

* 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/>
 © European Union / Copernicus Emergency Management Service



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).

