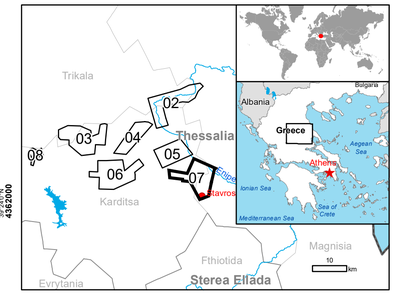
GLIDE number: N/A
Int. Charter call ID: N/A

Activation ID: EMSR465
Product N.: 07STAVROS, v1

Stavros - GREECE

Flood - Situation as of 24/09/2020

Grading - Overview map 01



Cartographic Information

1:25000

Full color A1, 200 dpi resolution

0 0.5 1 2 km

N

Grid: WGS 1984 UTM Zone 34N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information
- Flooded Area (24/09/2020 09:50 UTC)
- Flood trace (24/09/2020 09:50 UTC)

Built Up Grading
- Destroyed
- Damaged
- Possibly damaged

Transportation Grading
- Road, Destroyed
- Road, Damaged
- Road, Possibly damaged
- Railway, Destroyed
- Railway, Damaged
- Railway, Possibly damaged
- Secondary Road, No visible damage
- Local Road, No visible damage
- Cart Track, No visible damage
- Long-distance railway, No visible damage

Facilities Grading
- Possibly damaged

General Information
- Area of Interest

Administrative boundaries
- Municipality

Placenames
- Placename

Hydrography
- River
- Stream
- Lake
- Reservoir
- River

Physiography & Land Use - Land Cover
Features available in the vector package

Consequences within the AOI

	Unit of measurement	Destroyed	Damaged	Possibly damaged	Total affected	Total in AOI
Flood trace	ha				235.6	
Flooded area	ha				18.8	
Estimated population	Number of inhabitants				2668	
Settlements	Residential Buildings	No.	1	8	22	31	NA
	Reservoirs, silos and warehouses	No.	0	0	1	1	NA
	Non-residential farm buildings	No.	0	0	4	4	NA
	Communication buildings, stations, terminals and associated buildings	No.	0	0	3	3	NA
Transportation	Secondary Road	km	0.0	0.0	0.0	0.0	19.0
	Local Road	km	0.0	0.0	0.5	0.6	102.8
	Cart Track	km	0.5	0.8	3.4	4.7	241.0
	Long-distance railways	km	0.6	0.7	0.6	1.9	26.8
Facilities	Power Substation	ha	0.0	0.0	0.5	0.5	0.5
Land use	Arable land	ha	0.0	0.0	0.0	0.0	6550.9
	Pastures	ha	0.0	0.0	0.0	0.0	286.7
	Shrub and/or herbaceous vegetation association	ha	0.0	0.0	0.0	0.0	48.1
	Other	ha	0.0	0.0	0.0	0.0	403.8

Map Information

Due to extensive rainfall caused by the Mediterranean hurricane (medicane) "Ianos", many areas of Thessaly region have been flooded. Extensive damages are reported in agricultural land, urban areas of Farsala, Mouzaki and Karditsa cities and also on the road network of the wider area. At least two people died and two are declared as missing. The Fire Service has received 630 calls for help and has proceed to 450 rescue operations and 120 flood water pumping operations in urban areas.

The present map shows the flood damage grade assessment in the area of Stavros. The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 1.25 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	18/09/2020 18:30	Situation as of	24/09/2020 09:50
Activation	19/09/2020 09:46	Map production	24/09/2020

Data sources

Pre-event images: Pléiades-1A/B © CNES (2019), distributed by Airbus DS (acquired on 30/06/2018 at 09:33 UTC and 11/03/2019 at 09:30 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 13.8° and 11.3° off-nadir angles), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Post-event image: Pléiades-1A © CNES (2020), distributed by Airbus DS (acquired on 24/09/2020 at 09:50 UTC, GSD 0.5 m, approx. 0% cloud coverage in AoI, 39° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2012, Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, EuroBoundaryMap 2017 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2019 https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
Digital Elevation Model: EU-DEM (25 m)

Disclaimer

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Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by SERTIT released by e-GEOS (ODO).

For the latest version of this map and related products visit https://emergency.copernicus.eu/EMSR465

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