

Samos Island - GREECE

Wildfire - Situation as of 17/07/2021

Grading - Overview map 01



Cartographic Information

1:20000 Full color A1, 200 dpi resolution

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 35N map coordinate system
 Tick marks: WGS 84 geographical coordinate system

Legend

- | | | |
|-----------------------------------|----------------------------|---|
| Crisis Information | Facilities Grading | Placenames |
| Damaged | Possibly damaged | Placename |
| Possibly damaged | Land Use-Cover | Hydrography |
| Transportation Grading | Destroyed | Stream |
| Road, Possibly damaged | Damaged | Lake |
| Primary Road, No visible damage | Possibly damaged | Open Water |
| Secondary Road, No visible damage | General Information | Physiography & Land Use - Land Cover |
| Local Road, No visible damage | Area of Interest | Features available in the vector package |
| Cart Track, No visible damage | Detail map | |
| | Image Footprint | |

Consequences within the AOI	Unit of measurement				Total Area
	Destroyed	Damaged	Possible damaged*	Not affected	
Forest area	0.0	0.0	0.0	0.0	2,255.0
Urban area	0.0	0.0	0.0	0.0	2,255.0
Build-up	0.0	0.0	0.0	0.0	0.0
Transportation	0.0	0.0	0.0	0.0	11.2
Facilities	0.0	0.0	0.0	0.0	10.1
Land use	0.0	0.0	0.0	0.0	10.1
Other	0.0	0.0	0.0	0.0	10.1

Map Information

A wildfire has raged from Thursday noon (15/07/2021) in the island of Samos, Greece, burning large areas of forest and rural areas. Fuel type and steep relief make the work of firefighters extremely difficult. Kokkari village and two hotels have been evacuated for precautionary reasons. A considerable firefighting effort is ongoing (16/07/2021). Copernicus EMS Mapping products will be used mainly by the fire service during firefighting operations and by local authorities (Forest Service, Regions of North Aegean and Municipalities) for recovery and restoration planning of the affected area. Copernicus EMS Rapid Mapping is requested to provide First Estimate, Delineation and Grading products.

The present map shows the fire damage grade in the area of Samos Island (Greece). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:25000. The estimated geometric accuracy (RMSE) is 6.25 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 625 sq. m.

Relevant date records (UTC)

Event	15/07/2021 13:42	Situation as of	17/07/2021 08:57
Activation	16/07/2021 07:57	Map production	17/07/2021

Data sources

Pre-event image: SPOT7 © Airbus DS (2020), (acquired on 11/08/2020 at 08:23 UTC, GSD 1.5 m, approx. 0% cloud coverage in AoI, 28.3° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Post-event image: SPOT6 © Airbus DS (2021), (acquired on 17/07/2021 at 08:57 UTC, GSD 1.5 m, approx. 0% cloud coverage in AoI, 33.9° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2021), Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2018, EuroBoundaryMap 2017 © EuroGeographics.

Inset maps: JRC 2013, GISCO 2010 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2019 https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php

Digital Elevation Model: COP-DEM-EEA-10-R product © DLR e.V. (2014-2018) and © Airbus Defence and Space GmbH (2020) provided under COPERNICUS by the European Union and ESA, all rights reserved.

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

Map produced by GMV released by SERTIT (ODO).

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