



## Evia - GREECE

### Wildfire - Situation as of 13/08/2021

#### Grading - Overview map 01



#### Cartographic Information

1:84000 Full color A1, 200 dpi resolution  
 0 1.5 3 6 km  
 Grid: WGS 1984 UTM Zone 34N map coordinate system  
 Tick marks: WGS 84 geographical coordinate system

#### Legend

| Crisis Information                | Facilities Grading           | Administrative boundaries                |
|-----------------------------------|------------------------------|--|
| Blocked road / Interruption       | Power and communication line | Municipality                             |
| Built Up Grading                  | Destroyed                    | Place name                               |
| Damaged                           | Damaged                      | Hydrography                              |
| Possibly damaged                  | Possibly damaged             | River                                    |
| Transportation Grading            | Land Use-Cover Grading       | Stream                                   |
| Road, Possibly damaged            | Destroyed                    | Lake                                     |
| Primary Road, No visible damage   | Possibly damaged             | Land Subject to Inundation               |
| 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 |
|                                   | Not Analysed                 |  |

| Consequences within the AoI                                  | Unit of measurement | Destroyed | Damaged | Possibly damaged | Total affected | Total in |
|--|---------------------|-----------|---------|------------------|----------------|----------|
| Burnt area   | ha                  | 0.0       | 2.3     | 107.8            | 110.0          | 110.0    |
| Buildings  | Number of buildings | 0.0       | 0.0     | 10.0             | 10.0           | 10.0     |
| Residential buildings  | ha                  | 0.0       | 0.0     | 10.0             | 10.0           | 10.0     |
| Commercial and research buildings                            | ha                  | 0.0       | 0.0     | 10.0             | 10.0           | 10.0     |
| Sports halls   | ha                  | 0.0       | 0.0     | 10.0             | 10.0           | 10.0     |
| Other  | ha                  | 0.0       | 0.0     | 10.0             | 10.0           | 10.0     |
| Blocked road / Interruption                                  | km                  | 0.0       | 0.0     | 1.7              | 1.7            | 1.7      |
| Primary Road   | km                  | 0.0       | 0.0     | 0.5              | 0.5            | 427.5    |
| Secondary Road   | km                  | 0.0       | 0.0     | 0.5              | 0.5            | 107.5    |
| Local Road   | km                  | 0.0       | 0.0     | 0.5              | 0.5            | 208.5    |
| Concessions for mining or extraction                         | ha                  | 0.0       | 0.0     | 11.4             | 11.4           | 11.4     |
| Power plant constructions                                    | ha                  | 0.0       | 0.0     | 0.3              | 0.3            | 0.3      |
| Sport and recreation constructions                           | ha                  | 2.3       | 1.9     | 1.9              | 6.1            | 6.1      |
| Long distance pipelines, communication and electricity lines | km                  | 0.0       | 0.0     | 22.8             | 22.8           | 22.8     |
| Arable land  | ha                  | 0.0       | 100.0   | 1800.0           | 1900.0         | 1800.0   |
| Permanent crops  | ha                  | 0.0       | 400.0   | 2300.0           | 2700.0         | 338.1    |
| Non-irrigated agricultural areas                             | ha                  | 0.0       | 200.0   | 1400.0           | 1600.0         | 1870.0   |
| Forest   | ha                  | 25.1      | 680.4   | 4425.8           | 5131.3         | 34805.5  |
| Open spaces with little or no vegetation                     | ha                  | 0.1       | 200.0   | 2800.0           | 3000.0         | 14104.4  |
| Open spaces with little or no vegetation                     | ha                  | 0.0       | 3.9     | 36.2             | 40.1           | 289.6    |
| Other wetlands   | ha                  | 0.0       | 27.2    | 22.4             | 49.6           | 80.4     |
| Other  | ha                  | 0.0       | 4.7     | 264.5            | 269.2          | 24700.3  |
| Coastal wetlands   | ha                  | 0.0       | 0.0     | 0.0              | 0.0            | 134.2    |

#### Map Information

From Tuesday afternoon wildfires are raging the island of Evia and the north sector of Attica region in Greece, burning down large forests, urban interfaces and rural areas. The moderate wind, high temperatures and high flammability of forest, make the work of firefighters very difficult. Several firefighters with numerous vehicles are currently operating in the affected areas.

The present map shows the damage grade assessment (Grading maps) in the area of Evia (Greece). The thermal 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 sqm.

#### Relevant date records (UTC)

|            |                  |                 |                  |
|------------|------------------|-----------------|------------------|
| Event      | 03/08/2021 13:22 | Situation as of | 13/08/2021 08:49 |
| Activation | 04/08/2021 08:22 | Map production  | 15/08/2021       |

#### Data sources

Pre-event image: PlanetScope © Planet, 2021 (acquired on 31/07/2021 at 08:24 UTC, GSD 3.0 m, approx. 0% cloud coverage in AoI), provided under COPERNICUS by the European Union and ESA, all rights reserved.  
 Sentinel-2A (2021) (acquired on 14/07/2021 at 09:06 UTC, GSD 10.0 m, approx. 0% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.  
 Post-event image: SPOT7 © Airbus DS (2021), (acquired on 13/08/2021 at 08:49 UTC, GSD 1.5 m, approx. 17.48% cloud coverage in AoI, 14.5° 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://ghs.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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 The current Burnt Area Delineation cumulates all burnt area extents from previous post-event products.  
 Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).  
 Map produced by ITHACA released by SERTIT (ODO).  
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