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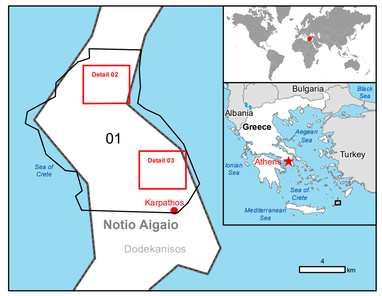
# Karpathos - GREECE

## Wildfire - Situation as of 28/09/2021

Grading - Overview map 01




## Cartographic Information

1:28000

Full color A1, 200 dpi resolution

0 0.5 1 2 km

N

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

## Legend

**Built Up Grading**
- Possibly damaged

**Land Use-Cover Grading**
- Damaged
- Possibly damaged

**General Information**
- Area of Interest
- Detail map

**Built-Up Area**
- Built-Up Area

**Hydrography**
- Stream

**Transportation**
- Primary Road
- Secondary Road
- Local Road
- Cart Track

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

Consequences within the AOI

| | | Unit of measurement | Destroyed | Damaged | Possibly damaged* | Total affected** | Total in AOI |
|---|---|---|---|---|---|---|---|
| Burnt area | | ha | | | | | 402.2 |
| Estimated population | | Number of inhabitants | | | | NA | 1 681 |
| Built-up | Residential Buildings | ha | 0.0 | 0.0 | 0.3 | 0.3 | 44.8 |
| | Military | ha | 0.0 | 0.0 | 0.0 | 0.0 | 31.4 |
| | Cemetery | ha | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 |
| Transportation | Primary Road | km | 0.0 | 0.0 | 0.0 | 0.0 | 23.8 |
| | Secondary Road | km | 0.0 | 0.0 | 0.0 | 0.0 | 50.2 |
| | Local Road | km | 0.0 | 0.0 | 0.0 | 0.0 | 69.8 |
| | Cart Track | km | 0.0 | 0.0 | 0.0 | 0.0 | 168.8 |
| Land use | Arable land | ha | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 |
| | Permanent crops | ha | 0.0 | 3.2 | 16.3 | 19.6 | 265.4 |
| | Pastures | ha | 0.0 | 0.0 | 0.0 | 0.0 | 215.9 |
| | Heterogeneous agricultural areas | ha | 0.0 | 12.7 | 34.5 | 47.2 | 1 486.3 |
| | Forests | ha | 0.0 | 15.8 | 8.4 | 24.2 | 983.3 |
| | Shrub and/or herbaceous vegetation association | ha | 0.0 | 124.4 | 188.5 | 313.9 | 8 351.9 |
| | Open spaces with little or no vegetation | ha | 0.0 | 0.0 | 0.2 | 0.2 | 271.9 |
| | Other | ha | 0.0 | 0.0 | 0.0 | 0.0 | 2 094.6 |

* Presence of damage proxies and proximity with destroyed/damaged asset
** Sum of Destroyed, Damaged and Possibly damaged

## Map Information

Two wildfires are raging at Karpathos Island, in South Aegean region, Greece, burning down forests and rural areas. The first one started on Thursday afternoon 23/9/2021 and the second on Friday morning 24/9/2021. The strong wind and high flammability of forest fuels due to prolonged draught, make the work of firefighters very difficult. According to Fire Service 30 firefighters with 7 vehicles were operating at the first fire and 38 firefighters with 6 vehicles were operating at the second fire, assisted by 5 helicopters, 5 planes, volunteers and means from the local municipal.

The present map shows the damage grade assessment in the area of Karpathos (Greece). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:50001. The estimated geometric accuracy (RMSE) is 12.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 2500 sq m.

## Relevant date records (UTC)

| | | | |
|---|---|---|---|
| Event | 23-09-2021 13:06 | Situation as of | 28/09/2021 08:46 |
| Activation | 27-09-2021 16:07 | Map production | 28/09/2021 |

## Data sources

Pre-event image: Sentinel-2A (2021) (acquired on 19/09/2021 at 08:56 UTC, GSD 10.0 m, approx. 0% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.
Post-event image: SPOT6 © Airbus DS (2021), (acquired on 28/09/2021 at 08:46 UTC, GSD 6 m, approx. 0% cloud coverage in AoI), 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: 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 SERTIT released bye-GEOS (ODO).

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