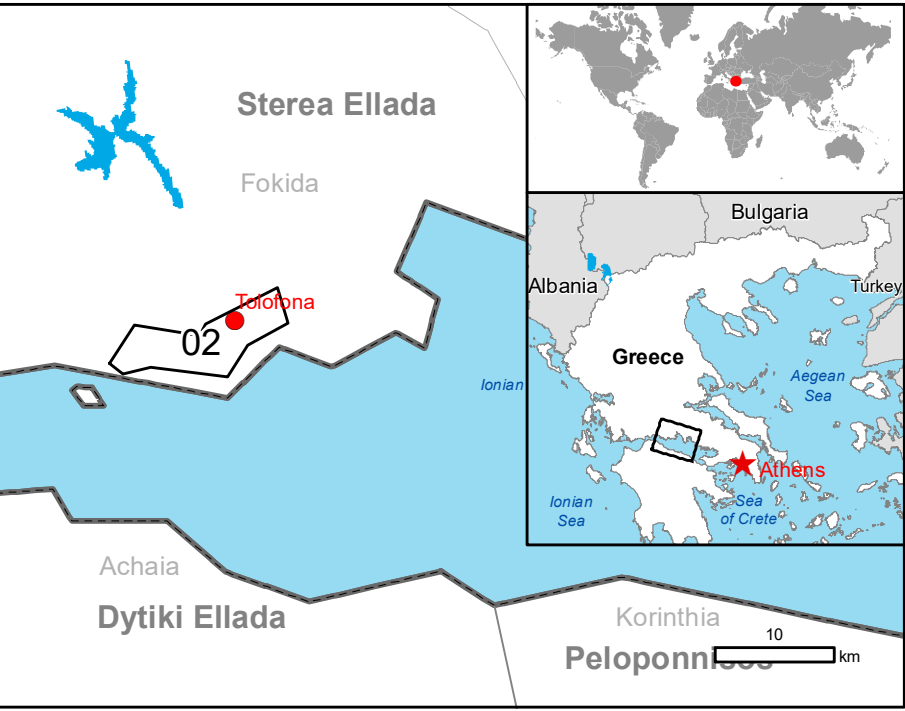


GLIDE number: N/A Activation ID: EMSR530
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Tolofona - GREECE

Wildfire - Situation as of 10/08/2021

Grading - Overview map 01



Cartographic Information

1:23000 Full color A1, 200 dpi resolution



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

Legend

Crisis Information	Transportation Grading	General Information
Build Up Grading	Transportation Grading	General Information
■ Destroyed	— Road, Possibly damaged	— Area of Interest
■ Possibly damaged	— Primary Road, No visible damage	— Administrative boundaries
— Power and communication line, Possibly damaged	— Secondary Road, No visible damage	— Municipality
	— Local Road, No visible damage	— Placenames
	— Local Road, No visible damage	— Hydrography
	■ Possibly damaged	— Physical & Land Use - Land Cover
	■ Destroyed	— Features available in the vector package
	■ Possibly damaged	

Consequence within the AOI	Unit of measurement	Destroyed	Damaged	Possibly damaged	Total	Value in AOI
Build-up	Number of inhabitants	10	4	104	47	227
Transportation	Other non-residential buildings	1	5	7	13	13
Transportation	Secondary Road	0.0	0.0	4.7	4.7	15.4
Transportation	Local Road	0.0	0.0	20.4	20.4	46.1
Transportation	Local Road	0.0	0.0	17.2	17.2	46.0
Transportation	Local Road	0.0	0.0	2.4	2.4	2.4
Transportation	Long-distance pipelines, communication and electricity lines	0.0	0.0	5.8	5.8	5.8
Land use	Permanent crops	14.3	11.3	20.0	45.6	45.6
Land use	Permanent crops	21.7	89.0	60.0	170.7	634.4
Land use	Permanent crops	46.7	11.0	90.3	148.0	679.6
Land use	Open spaces with little or no vegetation	148.5	11.7	0.0	160.2	277.8
Land use	Open spaces with little or no vegetation	46.2	4.3	107.1	157.6	330.5
Land use	Open spaces with little or no vegetation	0.0	2.4	1.0	4.0	30.4
Land use	Open spaces with little or no vegetation	0.0	1.0	5.0	7.0	29.0

* Presence of damage process and possibly with destroyed/damaged asset
** Sum of Destroyed, Damaged and Possibly damaged

Map Information

A wildfire is raging from Thursday noon in Central Greece, burning down large forest and rural areas. The moderate wind and high flammability of forest fuels due to prolonged draught, make the work of firefighters very difficult. Elia and Kalithea villages have been evacuated for precautionary reasons. According to Fire Service 28 firefighters with 10 vehicles are currently operating in the area, assisted by 1 ground force group.

The present map shows the fire damage grade assessment in the area of Tolofona (Greece). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 2.50 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 100 sq m.

Relevant date records (UTC)

Event	05/08/2021 12:19	Situation as of	10/08/2021 09:39
Activation	06/08/2021 08:21	Map production	10/08/2021

Data sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 27/08/2019, GSD 0.6 m, approx. 0% cloud coverage in AOI).
Sentinel-2A/B (2021) (acquired on 01/08/2021 at 09:20 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI) provided under Copernicus by the European Union and ESA.
Post-event image: Pléiades-1A/B © CNES (2021), distributed by Airbus DS (acquired on 10/08/2021 at 09:39 UTC, GSD 0.5 m, approx. 0% cloud coverage in AOI, 26.6° 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 ITHACA released by e-GEOS (ODO).
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