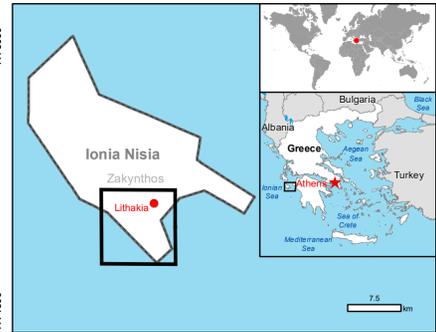


Lithakia - GREECE

Wildfire - Situation as of 21/09/2019

Grading - Overview map 01



Cartographic Information

1:20000 Full color A1, 200 dpi resolution
 0 0.375 0.75 1.5 km
 Grid: WGS 1984 UTM Zone 34N map coordinate system
 Tick marks: WGS 84 geographical coordinate system

Legend

- Transportation Grading**
 - Road, Possibly damaged
 - Road, No visible damage
- Built Up Grading**
 - Possibly damaged
 - Possibly damaged
- Facilities Grading**
 - Possibly damaged
- Land Use-Cover Grading**
 - Destroyed
 - Damaged
 - Possibly damaged
- General Information**
 - Area of Interest
 - Image Footprint
 - Placenames
 - Placename
 - Hydrography
 - Stream
 - Physiography
 - Elevation Contour (m)

Consequences within the AOI		Unit of measurement		Destroyed	Damaged	Possibly damaged	Total affected	Total in AOI
		ha	%	ha	ha	ha	ha	ha
Burnt area		23	2.3	4	83	123	210	210
Estimated population	Number of inhabitants	4	0.4	23	23	123	150	150
Settlements	Residential	ha	0.0	0.0	0.0	0.0	0.0	12.3
	Primary Road	km	0.0	0.0	0.0	0.0	0.0	63.2
	Secondary Road	km	0.0	0.0	0.0	0.0	0.0	148.4
	Local Road	km	0.0	0.0	0.4	0.4	3.3	36.3
Transportation	Local Road	km	0.0	0.0	0.4	0.4	3.3	36.3
	Cart Track	km	0.0	0.0	0.4	0.4	3.3	36.3
Facilities	Construction for mining or extraction	ha	0.0	0.0	0.0	0.0	0.0	0.0
	Power plant construction	ha	0.0	0.0	1.2	1.2	1.2	1.2
Land use	Permanent crops	ha	1.8	3.2	1.9	6.7	102.3	102.3
	Heterogeneous agricultural areas	ha	30.1	113.5	48.1	191.7	2172.3	2172.3
	Forest	ha	36.9	17.5	6.3	50.7	679.8	679.8
	Shrub and/or herbaceous vegetation association	ha	142.3	353.3	26.3	567.9	3481.2	3481.2
	Open spaces with little or no vegetation	ha	0.0	0.0	0.1	0.4	85.0	85.0
	Coarse materials	ha	0.0	0.0	0.0	0.0	35.1	35.1
Other	ha	0.0	0.0	0.0	0.0	272.1	272.1	

Map Information

A forest fire, broke out on 15/09/2019 near Lithakia village on Zakynthos Island, 250 km West from Athens. Fanned by strong winds, this fire forced the evacuation of the villages of Keri and Agalass as a precaution. Copernicus EMS Mapping products will be used for damage assessment, recovery and restoration planning of the affected area and for future flood protection measures.

The present map shows the first estimate product in the area of Lithakia (Greece). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) is 10 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	15/09/2019 12:20	Situation as of	21/09/2019 09:41
Activation	18/09/2019 10:05	Map production	23/09/2019

Data sources

Pre-event image: SPOT6 © Airbus DS (2019), (acquired on 19/04/2019 at 09:04 UTC, GSD 1.5 m, approx. 3% cloud coverage in AoI, 22.6° off-nadir angle) and Sentinel-2A/B (2019) (acquired on 01/09/2019 at 9:20 UTC, GSD 10 m, approx. 0% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Post-event image: Sentinel-2A (2019) (acquired on 16/09/2019 at 09:20 UTC, GSD 10 m, approx. 0% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA and WorldView-3 © Digital Globe, Inc. (2019), (acquired on 21/09/2019 at 09:41 UTC, GSD 2 m, approx. 2% cloud coverage in AoI, 23.7° off-nadir angle), provided under COPERNICUS by the European Union, ESA and European Space Imaging, 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, 2015
http://data.europa.eu/89h/jrc-ghs-gps-pop_gpw4_globe_j2015a.
 Digital Elevation Model: SRTM (90 m) (NASA/USGS)

Disclaimer

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

Map produced by GAF AG released by e-geos (ODO).

For the latest version of this map and related products visit <http://emergency.copernicus.eu/EMSR390>

jrc-ems-rapidmapping@ec.europa.eu
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