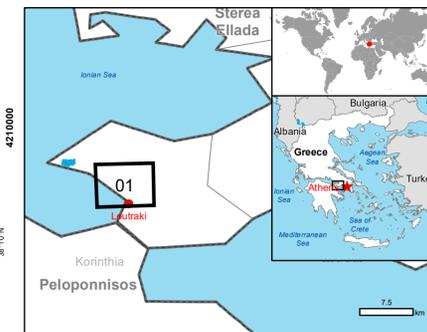


Loutraki - GREECE

Wildfire - Situation as of 19/09/2019

Grading - Overview map 01



Cartographic Information

1:12500 Full color A1, 200 dpi resolution



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

Legend

- Land Use-Cover Grading Hydrography**
- Destroyed
- Damaged
- Possibly damaged
- Stream
- Lake
- General Information**
- Area of Interest
- Image Footprint
- Not Analysed
- Placenames**
- Placename
- Physiography**
- Elevation Contour (m)
- Transportation**
- Secondary Road
- Local Road
- Cart Track
- Long-distance railway

Consequences within the AOI						
	Unit of measurement	Destroyed	Damaged	Possibly damaged	Total affected	
Burnt area	ha	0.0	0.0	0.0	0.0	
Estimated population	Number of inhabitants	0	0	0	2056	
Transportation	Secondary Road	km	0.0	0.0	0.0	21.4
	Local Road	km	0.0	0.0	0.0	80.2
	Cart Track	km	0.0	0.0	0.0	116.0
	Long distance railway	km	0.0	0.0	0.0	0.4
Land use	Arable land	ha	0.0	0.0	0.0	20.2
	Permanent crops	ha	0.0	0.0	0.0	202.4
	Pastures	ha	0.0	0.0	0.0	20.7
	Heterogeneous agricultural areas	ha	0.0	0.0	0.0	289.7
	Forests	ha	0.0	0.1	0.0	1104.6
Shrub and/or herbaceous vegetation association	ha	0.1	205.4	55.9	261.4	
Other	ha	0.0	0.0	0.0	1189.3	

Map Information

A forest fire broke out in 14/09/2019 near Loutraki City, 65 Km West from Athens. The rough terrain and the strong winds made the job of fire-fighters more difficult and carried the fire further. For precautionary reasons, the Monastery of Coios Palapios and one Elderly hospital located near the fire front were evacuated. 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 damage grade assessment (Grading maps) product in the area of Loutraki (Greece). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 10 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	Date	Situation as of
Event	14/09/2019 16:00	19/09/2019 09:30
Activation	18/09/2019 10:05	Map production 20/09/2019

Data sources

Pre-event image: SPOT7 © Airbus DS (2019), (acquired on 14/08/2019 at 09:03 UTC, GSD 1.5 m, approx. 0% cloud coverage in AOI, 26.5° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.
 Post-event image: GeoEye © Digital Globe, Inc. (2019), (acquired on 19/09/2019 at 09:30 UTC, GSD 2 m, approx. 9.9% cloud coverage in AOI, 23.4° off-nadir angle), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.
 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.
 Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2016, Corine Land Cover (CLC) 2016, Global Administrative Areas (2012), refined by the producer.
 Inset maps: JRC 2013, EuroBoundaryMap 2017 © EuroGeographics, Natural Earth 2012, CCM River DB © EURC2007, GeoNames 2013.
 Population data: GHS - Population Grid © European Commission, 2015 http://data.europa.eu/89H/jrc-ghs-pop_gp_w4_globe_r2015a.
 Digital Elevation Model: EU-DEM (25 m).

Disclaimer

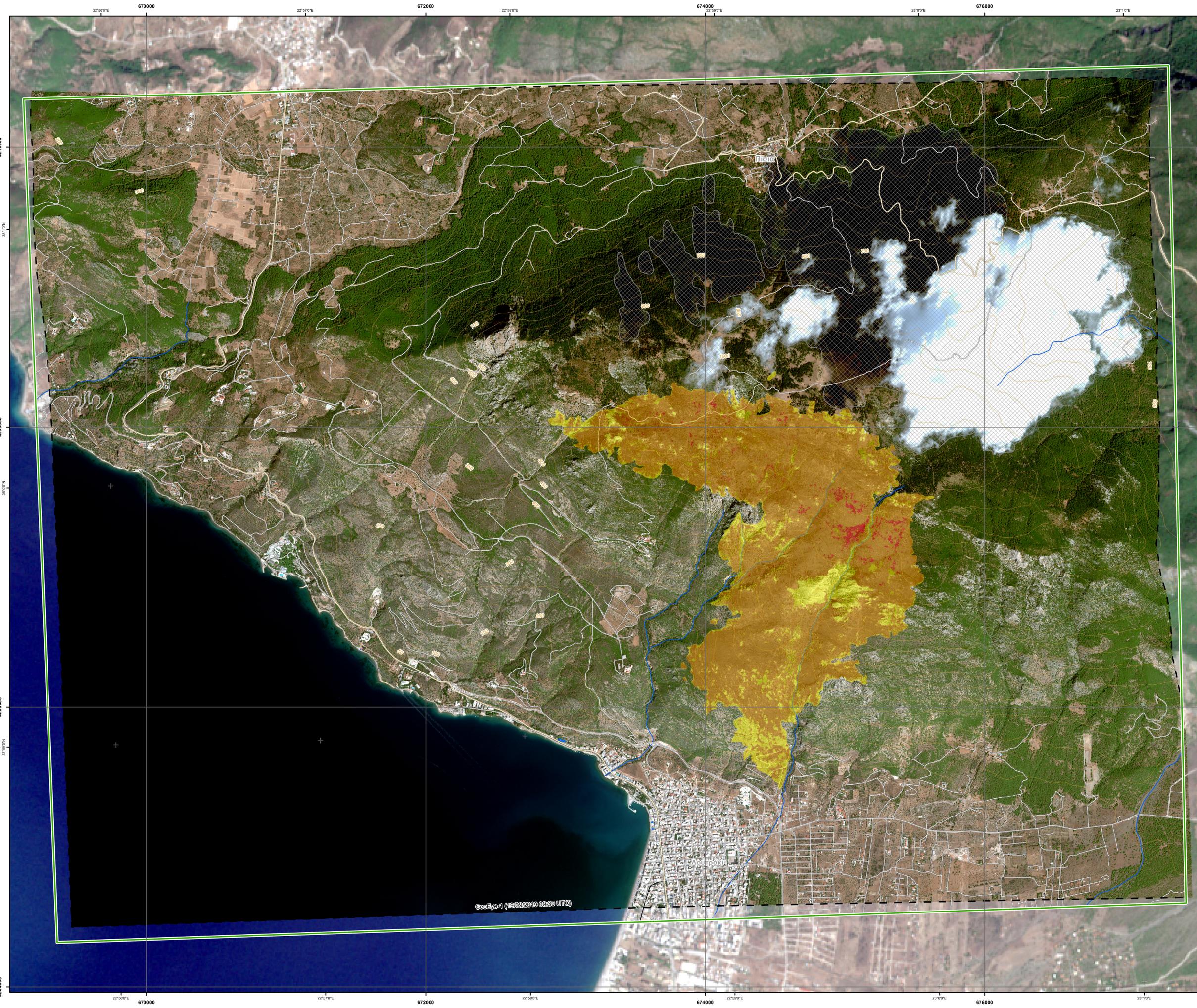
Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.
 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 SERTIT released by SERTIT (ODD).

For the latest version of this map and related products visit <http://emergency.copernicus.eu/EMSR389>

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GeoEye-1 (19/09/2019 09:30 UTC)