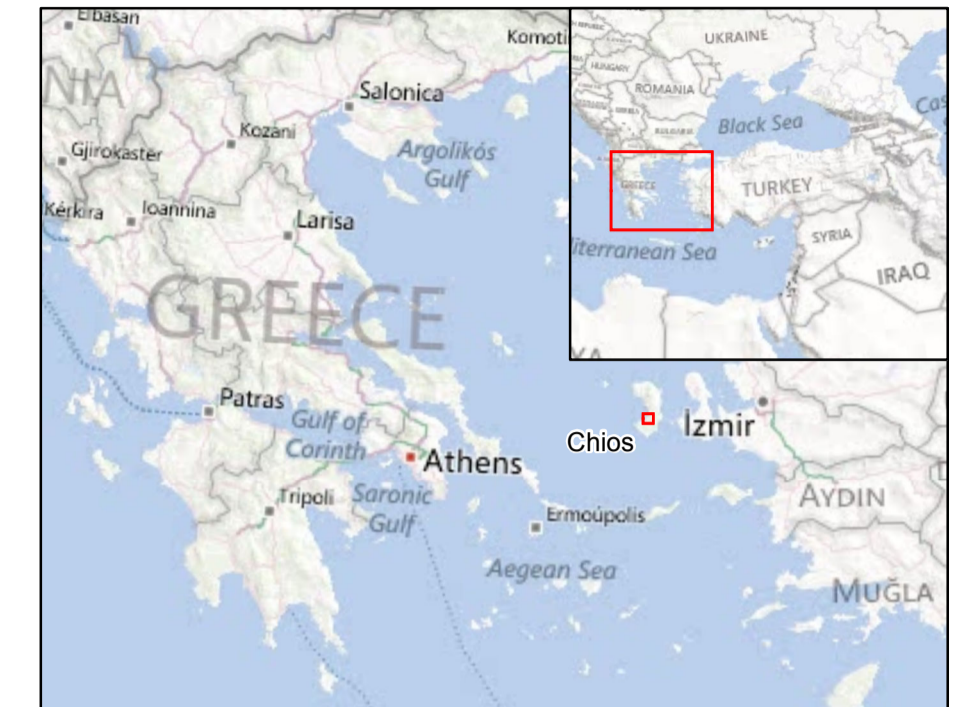


Chios Fire Grading Map - 02 Detail

Production date: 07/01/2013



Cartographic Information

1:15.000 Full color ISO A1, high resolution (300 dpi)
 0 0,3 0,6 1,2 Km
 Map Coordinate System: WGS 1984 UTM Zone 35N
 Graticule: UTM coordinates

Legend

AOI tile scheme

Transportation

- Primary Road
- Secondary Road
- Local Road

Grading of Fire Severity

- Completely burnt areas
- Moderately burnt areas

AOI 2

Corine Land Cover - Level 4	Completely burnt areas (ha)	Moderately burnt areas (ha)	TOTAL (ha)
Complex cultivation patterns with scattered houses	0	4	4
Coniferous forest	162	100	262
Construction sites	1209	238	1447
Discontinuous urban fabric	3	5	8
Grassland prevailing without trees and shrubs	0	3	3
High semi-natural vegetation	202	31	233
Industrial or commercial units	10	5	15
Land occupied by agriculture with natural vegetation	2	10	12
Oak groves	53	10	63
Pistacia lentiscus	112	61	173
Sparsely vegetated areas	24	13	37
Transitional woodland/scrub	488	45	533
Arable land prevailing with dispersed vegetation	605	55	660
Affected Areas (total)	30	50	70
	3399	628	4027

Map Information
 Starting on August 18th 2012 a wild-fire has burnt large areas of high forest and shrub land on the island of Chios. In the southern part of the Chios island areas where the unique species *Pistacia lentiscus* var. *Chia* is cultivated were burnt, causing economical damages and loss of historical land use considering that the species has been cultivated on this island for centuries.
 The core users of the map are Civil Protection authorities.
 The main goal of the map produced is to help the Greek Emergency Planning and Response Service, Ministry of Citizen Protection/General Secretariat for Civil Protection in the determination of the impact of the forest fire occurred recently in the island.

Data Sources
 Quickbird © DigitalGlobe (acquired on 22/08/2012 and 25/08/2012, GSD 0,6 m., 0% cloud coverage) provided under ESA GSC-DA DWH License.
 Base vector layers based on © Openstreetmap and © Geonames, refined by e-GEOS.
 EURODEM © EC (gridsize 25 m).

Dissemination/Publication
 No restrictions on the publication of the mapping apply.
 Delivery formats are GeoTIFF, GeoPDF, GeoJPEG and vectors (shapefile).

Framework
 The products elaborated in the framework of current mapping in non rush mode activation are realized to the best of our ability, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original data sources. The products are compliant with GIO-EMS NON RUSH Product Portfolio specifications.

Map production
 Present map shows fire damaged areas and transportation in the area of Chios (Greece). The grading of the event has been created by visual interpretation of post event mosaic image (QuickBird acquired on 22/08/2012 and 25/08/2012, 0,6 m spatial resolution). Land cover classification has been used to perform a spatial analysis and define the info reported in the table.
 The satellite images have been geometrically corrected using the EURODEM (gridsize 25 m) and the sensor model and then mosaicked; vector data have been adjusted afterwards according to this geometric reference.
 The estimated geometric accuracy of this product is about 14 m RMSE, from native positional accuracy of the background satellite image (based on Quickbird off nadir angle: 18,7°).
 The estimated thematic accuracy of this product is 85% or better, as in the area of interest no ambiguous features were detected.
 Map produced on 07/01/2013 by e-GEOS.
 All products are © of the European Commission.
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