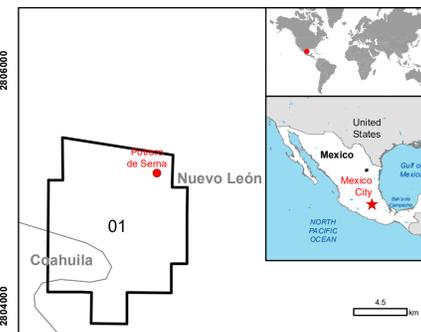


Potrero de Serna - MEXICO

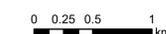
Wildfire - Situation as of 16/04/2022

Delineation MONIT14 - Overview map 01



Cartographic Information

1:30000 Full color A1, 200 dpi resolution



Grid: WGS 1984 UTM Zone 14N map coordinate system
 Tick marks: WGS 84 geographical coordinate system

Legend

- Active Flames
 - Burnt Area
 - Area of Interest
 - Not Analysed
 - Province
 - Placename
 - Residential
 - River
 - Stream
 - Secondary Road
 - Local Road
 - Cart Track
 - Physiography & Land Use - Land Cover
- Features available in the vector package

Consequences within the AOI		
	Affected	Total in AOI
Burnt area	ha	7,808.2
Active Flames	No.	4
Estimated population		13
Built-up	ha	26.5
Transportation	km	84.1
Land use	ha	14,371.0

Full table available in the vector package

Map Information

As of 29 March, and starting since 25 March, up to 44 forest fires are active in Mexico. Some Federal States such as Nuevo León and Tamaulipas have been seriously affected, with up to 1,500 hectares burnt. In Nuevo León Civil Protection authorities reported that the fires in the Sierra de Santiago have not stopped yet, leading to the emergency evacuation of local communities.

The present map shows the fire delineation in the area of Potrero De Serna (Mexico). The thematic layer has been derived from post-event satellite image by means of visual interpretation. Due to dense smoke, the burnt area delineation is not complete. The scale of analysis is 1:11,000. The estimated geometric accuracy (RMSE) is 3 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 225 sq m.

Relevant date records (UTC)

Event	25/03/2022 20:00	Situation as of	16/04/2022 17:14
Activation	29/03/2022 13:21	Map production	17/04/2022

Data sources

Pre-event image: Sentinel-2A/B (2022) (acquired on 20/03/2022 at 17:26 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: SPOT6 © Airbus DS (2022), (acquired on 16/04/2022 17:14 UTC), GSD 1.5 m, approx. 3% cloud coverage in Aoi, 31.2° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), Wikimapia.org, GeoNames 2015, Globe Land 30 (2020), Global Administrative Areas (2012), refined by the producer.
 Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2019 https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
 Digital Elevation Model: SRTM (90 m) (NASA/USGS)

Disclaimer

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 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 GAF AG released by e-GEOS (ODO).

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