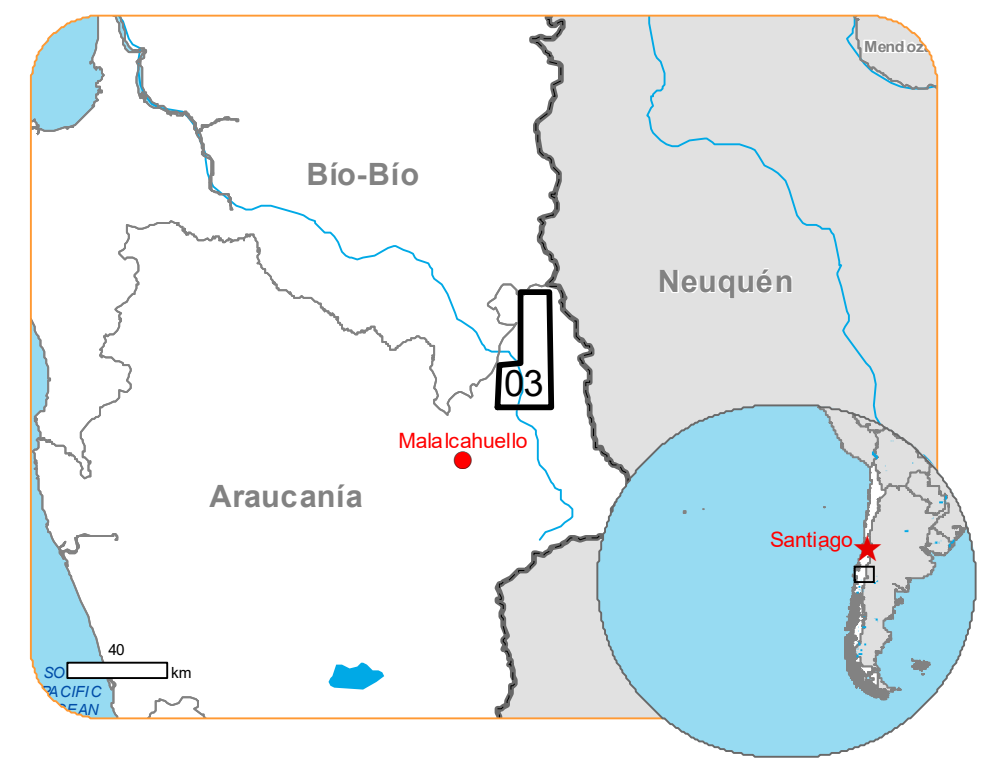


EMSR715 - AOI03
Wildfire in Chile
MALALCAHUELLO

Situation as of 07/02/2024 14:37 UTC
Grading - Overview map 01



Burnt area 1,907.7 ha

- Crisis Information**

 - Burnt Area
 - Transportation Grading
 - Track, No visible damage
 - Local road, No visible damage
 - Airfield and Heliport, No visible damage
 - Affected Land Use-Cover
 - Heterogeneous agricultural areas
 - Forest
 - Shrub and/or herbaceous vegetation associations
 - Open spaces with little or no vegetation
- General Information**

 - Area of Interest
 - Not Analysed
 - Administrative boundaries**
 - Region
 - Hydrography**
 - River
 - Stream
 - Lake

Event:
On the 3 February 2024, a wildfire is reported to have affected Valparaíso Region. Intense forest fires burning around a densely populated area caused at least 52 deaths. The event is on-going and spreading with damage expected to affect forests and urban areas. Copernicus EMS Rapid Mapping is requested to provide initial rough estimation and wildfire extent emergency mapping.

Data sources and analysis: Pre-event image: Sentinel-2A/B (2024) (acquired on 18/01/2024 at 14:37 UTC, resolution 10 m). Post-event image: Sentinel-2A/B (2024) (acquired on 07/02/2024 at 14:37 UTC, resolution 10 m). This image is used as background image. All images are provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (current year), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019). Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2023 https://ghsl.jrc.ec.europa.eu/ghs_pop2023.php

Digital Elevation Model: SRTM (90 m) (NASA/USGS).

The thematic layer has been derived from post-event satellite image by means of visual interpretation.

The current burnt area cumulates all burnt area extents from previous post-event products.

Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Burnt area		ha					1,907.7
Estimated population	Number of inhabitants					NA	~ 1,500
Built-up	Residential Buildings	ha	0	0	0	0	12.9
	School, university and research buildings	ha	0	0	0	0	2.7
	Cemetery	ha	0	0	0	0	0.2
Transportation	Airfield runways	ha	0	0	0	0	4.4
	Local Road	km	0	0	0	0	65.7
	Cart Track	km	0	0	0	0	128.0
Facilities	Sport and recreation constructions	ha	0	0	0	0	1.2
Land use	Forests	ha				1,643.3	40,289.6
	Shrub and/or herbaceous vegetation association	ha				240.3	22,670.8
	Heterogeneous agricultural areas	ha				23.4	1,415.6
	Open spaces with little or no vegetation	ha				0.7	5,566.6
	Inland wetlands	ha				0	177.5
	Other	ha				0	292.9
* Presence of damage proxies and proximity with destroyed/damaged asset ** Sum of all damage classes							

Disclaimer:

Full disclaimer and other helpful information available in the online manual:

<https://emergency.copernicus.eu/mapping/ems/online-manual-rapid-mapping-products>

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Data access:

All data displayed on the map(s), as well as the Physiography and Land Use - Land Cover layers, are available in the Crisis Information Package and the Base Layer Package (for reference data).

The table above is available in editable format in the Crisis Information Package.

All products and data are also available for download on the portal.

Access to the portal



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