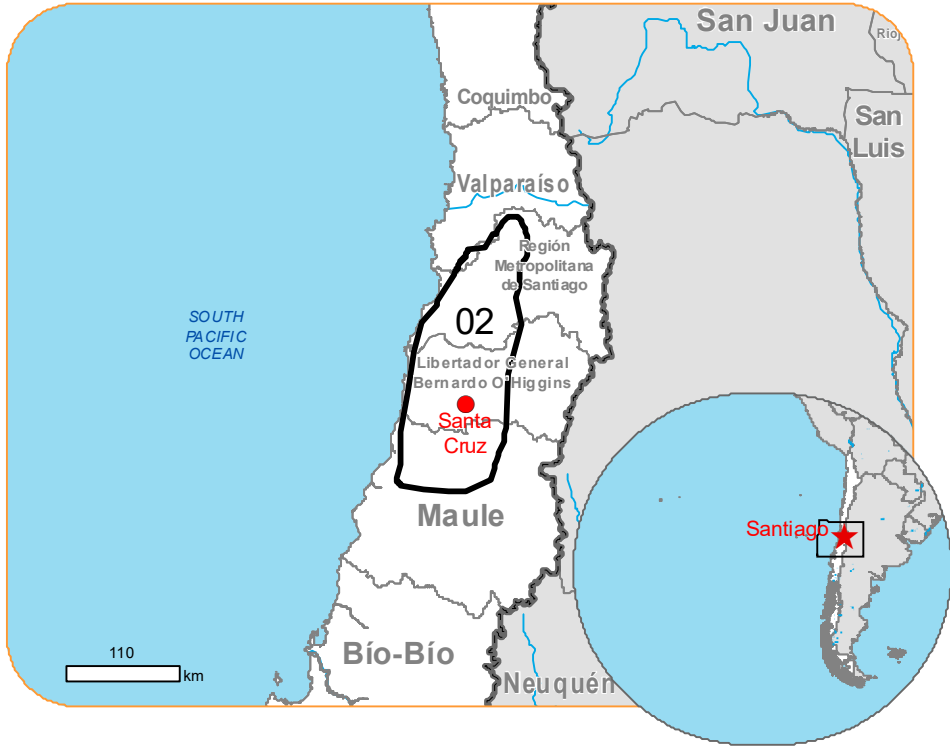


EMSR715 - AOI02
Wildfire in Valparaíso region, Chile
SANTA CRUZ

Situation as of 06/02/2024 14:26 UTC
Delineation - Overview map 01



Burnt area
9,025 ha

Potentially affected
population
~ 150

Potentially Affected Built-up and Transportations

Built-up
25.1 ha

Road
82.1 km

Crisis Information

Burnt area
Previous burnt area

General Information

Area of Interest
Image Footprint
Not Analysed

Administrative boundaries

Region
Province
Municipality

Placenames

Placename

Built-Up Area

Residential
Non residential

School, university and research
buildings

Hospital or institutional care
buildings

Military

Hydrography

River
Stream

Lake

Reservoir

Facilities

Long-distance pipelines or lines
Local pipelines or lines

Water or Aquatic infrastructure
Dam

Mining or extraction site
Power plant

Sport and recreation constructions
Dump Site

Water or Aquatic infrastructure
Dam










Transportation

Highway
Main road

Railway

Transportation

Airfield
Helipad

	Current		Forecast	
	06 February 14:26 UTC	07 February 14:26 UTC	07 February 15:00 UTC	08 February 15:00 UTC
Wind direction and speed	 26 km/h	 14 km/h	 13 km/h	
Temperature and relative Humidity	 34°  51%	 34°  42%	 32°  27%	

Data retrieved from ECMWF on February 06, 14:26 UTC. Calculated at: 34°S, 71°W.

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 (2023) (acquired on 09/12/2023 at 14:37 UTC, resolution 10 m). Post-event image: SPOT6/7 © Airbus DS (2024), (acquired on 06/02/2024 at 14:28 UTC, resolution 5.0 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 (2024), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer, 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(30 m) (NASA/USGS).

The thematic layer has been derived from post-event satellite image using a semi-automatic approach.

Map produced by e-GEOS released by e-GEOS on the 07/02/2024.

Details on this activation and service conditions available through the QR code or at the link: <https://rapidmapping.emergency.copernicus.eu/EMSR715>

Consequences within the AOI				
	Unit of measurement	Affected	Total in AOI	
Burnt area	ha		9 025.0	
Estimated population	Number of inhabitants	~ 150	2,400 Mio.	
Built-up	Residential Buildings	ha	25.1	40 606.0
	Office buildings	ha	0	140.3
	Wholesale and retail trade buildings	ha	0	141.1
	Industrial buildings	ha	0	12 067.8
	School, university and research buildings	ha	0	703.4
	Hospital or institutional care buildings	ha	0	42.9
	Military	ha	0	2 351.4
	Cemetery	ha	0	187.6
Transportation	Airfield runways	ha	0	408.5
	Helipad	ha	0	0.3
	Airfield runways	km	0	92.1
	Highways	km	0	962.6
	Primary Road	km	3.1	3 149.2
	Secondary Road	km	1.9	1 191.1
	Local Road	km	25.4	15 358.9
	Cart Track	km	51.7	12 684.8
	Subway	km	0	1.2
Facilities	Long-distance railways	km	0	466.7
	Settling Basin	ha	0	239.6
	Breakwater	ha	0	0.1
	Dams	ha	0	143.1
	Constructions for mining or extraction	ha	0	1 004.6
	Power plant constructions	ha	0	1 543.0
	Sport and recreation constructions	ha	0	1 562.3
	Other civil engineering works not elsewhere classified	ha	0	322.6
	Long-distance pipelines, communication and electricity lines	km	0	1 109.9
	Local pipelines and cables	km	0	129.6
	Breakwater	km	0	27.5
Land use	Dams	km	0.1	34.3
	Shrub and/or herbaceous vegetation association	ha	5 567.8	951 241.6
	Heterogeneous agricultural areas	ha	1 969.9	798 231.0
	Forests	ha	1 481.6	388 014.5
	Other	ha	5.4	43 654.9
	Inland wetlands	ha	0.3	4 271.3
	Open spaces with little or no vegetation	ha	0	4 548.2

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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