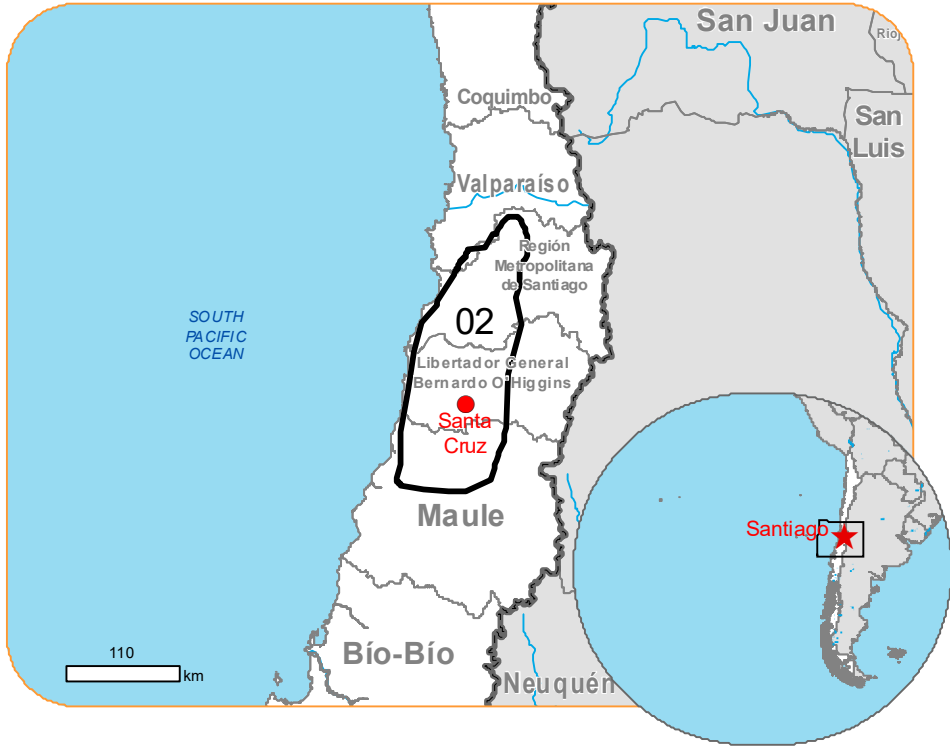




EMSR715 - AOI02
Wildfire in Valparaíso region, Chile
SANTA CRUZ

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



Burnt area
12,921.3 ha

Potentially affected
population
~ 300

Potentially Affected Built-up and Transportations

Built-up
119.6 ha

Road
105.8 km

Crisis Information	General Information
<div><div></div> Burnt area</div> <div><div></div> Previous burnt area</div> <div><div></div> Built Up Grading</div> <div><div></div> Damaged</div> <div><div></div> Possibly damaged</div> <div><div></div> Transportation Grading</div> <div><div></div> Main road, No visible</div> <div><div></div> Track, No visible damage</div> <div><div></div> Airfield runway, No visible damage</div> <div><div></div> Local road, No visible</div> <div><div></div> Road, Possibly damaged</div> <div><div></div> Railway, No visible</div> <div><div></div> Highway, No visible</div> <div><div></div> Subway, No visible</div> <div><div></div> Transportation Grading</div> <div><div></div> Airfield and Heliport, No visible damage</div> <div><div></div> Affected Land Use-</div> <div><div></div> Heterogeneous agricultural areas</div> <div><div></div> Forest</div> <div><div></div> Shrub and/or herbaceous vegetation associations</div> <div><div></div> Open spaces with little or no vegetation</div> <div><div></div> Inland wetlands</div> <div><div></div> Other</div>	<div><div></div> Area of Interest</div> <div><div></div> Administrative</div> <div><div></div> Region</div> <div><div></div> Province</div> <div><div></div> Municipality</div> <div><div></div> Placenames</div> <div><div></div> Placename</div> <div><div></div> Hydrography</div> <div><div></div> River</div> <div><div></div> Stream</div> <div><div></div> Lake</div> <div><div></div> Reservoir</div>

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: 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 (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 08/02/2024.
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		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Burnt area	ha						12 921.3
Estimated population	Number of inhabitants					~ 300	2,400 Mio.
Built-up	Residential Buildings	ha	0	114.9	4.8	119.6	40 606.0
	Office buildings	ha	0	0	0	0	140.3
	Wholesale and retail trade buildings	ha	0	0	0	0	141.1
	Industrial buildings	ha	0	0	0	0	12 067.8
	School, university and research buildings	ha	0	0	0	0	703.4
	Hospital or institutional care buildings	ha	0	0	0	0	42.9
	Military	ha	0	0	0	0	2 351.4
	Cemetery	ha	0	0	0	0	187.6
Transportation	Airfield runways	ha	0	0	0	0	408.5
	Helipad	ha	0	0	0	0	0.3
	Airfield runways	km	0	0	0	0	92.1
	Highways	km	0	0	0	0	962.6
	Primary Road	km	0	0	2.3	2.3	3 149.2
	Secondary Road	km	0	0	5.3	5.3	1 191.1
	Local Road	km	0	0	38.2	38.2	15 359.1
	Cart Track	km	0	0	59.9	59.9	12 685.0
	Subway	km	0	0	0	0	1.2
	Long-distance railways	km	0	0	0	0	466.7
Facilities	Settling Basin	ha	0	0	0	0	239.6
	Breakwater	ha	0	0	0	0	0.1
	Dams	ha	0	0	0	0	143.1
	Constructions for mining or extraction	ha	0	0	0	0	1 004.6
	Power plant constructions	ha	0	0	0	0	1 543.0
	Sport and recreation constructions	ha	0	0	0	0	1 562.3
	Other civil engineering works not elsewhere classified	ha	0	0	0	0	322.6
	Long-distance pipelines, communication and electricity lines	km	0	0	0	0	1 109.9
	Local pipelines and cables	km	0	0	0	0	129.6
	Breakwater	km	0	0	0	0	27.5
	Dams	km	0	0	0	0	34.3
Land use	Shrub and/or herbaceous vegetation association	ha				7 487.5	951 241.6
	Forests	ha				2 822.4	388 014.5
	Heterogeneous agricultural areas	ha				2 602.9	798 231.0
	Other	ha				5.5	43 654.9
	Inland wetlands	ha				3.0	4 271.3
	Open spaces with little or no vegetation	ha				0	4 548.2

* 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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