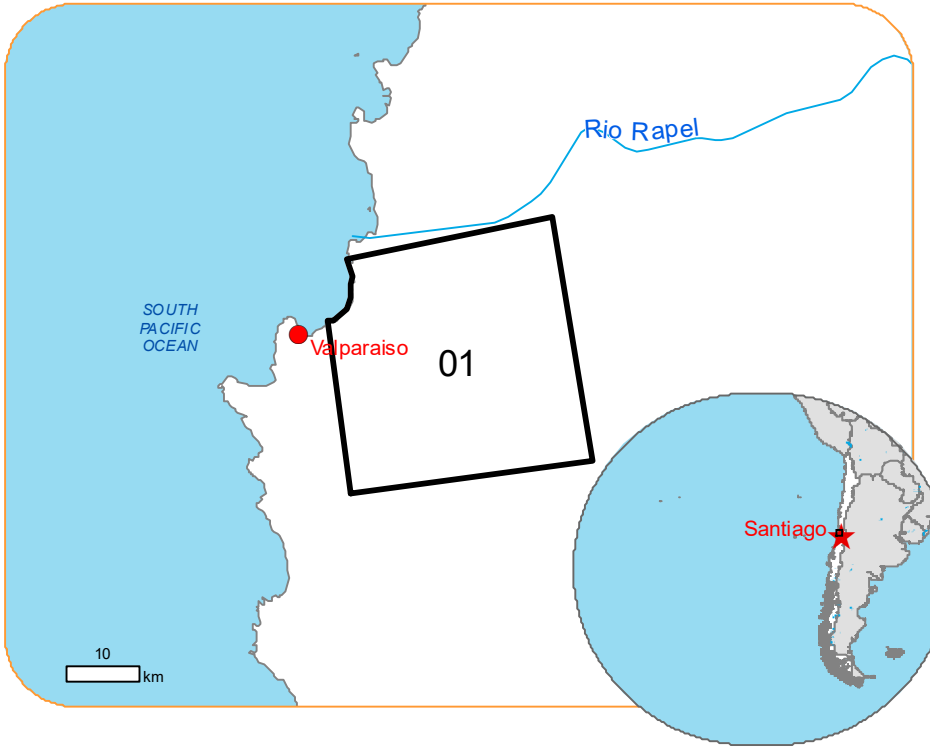


EMSR715 - AOI01
Wildfire in Valparaíso region, Chile
VALPARAISO

Situation as of 05/02/2024 14:50 UTC
Grading - Overview map 01



Burnt area
8,782.6 ha



Potentially affected
population
~ 5100

Affected Built-up and Transportations



Built-Up
376.3 ha



Road
69.2 km

Crisis Information

- Burnt Area
- Previous burnt area

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

Facilities Grading

- Long-distance pipeline or line, Damaged
- Long-distance pipeline or line, Possibly damaged
- Local pipeline or line, Damaged
- Local pipeline or line, Possibly damaged

Facilities Grading

- Possibly damaged

Transportation Grading

- Main road, No visible damage
- Track, No visible damage
- Airfield runway, No visible damage
- Local road, No visible damage
- Road, Damaged
- Road, Possibly damaged
- Railway, No visible damage
- Highway, No visible damage

Transportation Grading

- Airfield and Heliprot, No visible damage

Affected Land Use-Cover

- Heterogeneous agricultural areas
- Forest
- Shrub and/or herbaceous vegetation associations
- Inland wetlands
- Other

General Information

- Area of Interest
- Not Analysed

Administrative boundaries

- Region
- Province
- Municipality

Placenames

- Placename

Hydrography

- River
- Stream
- Lake
- Reservoir
- River

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 08/01/2024 at 14:37 UTC, resolution 10.0 m). Post-event image: Worldview-2 © Maxar Technologies, Inc. (2024) (acquired on 05/02/2024 at 14:50 UTC, resolution 2.0 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. 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 (30 m) (NASA/USGS) provided under COPERNICUS by the European Union and ESA, all rights reserved.

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

Map produced by Planetek Hellas 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>



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Consequences within the AOI						
	Unit of measurement	Destroyed	Damaged	Possibly damage*	Total affected**	Total in AOI
Burnt area	ha					8,782.6
Estimated population	Number of inhabitants				~ 5,100	~ 780,000
Built-up	Residential Buildings	ha	0	124.2	209.1	333.3
	Office buildings	ha	0	0	0	0
	Wholesale and retail trade buildings	ha	0	0	0	0
	Industrial buildings	ha	0.5	6.0	28.4	34.9
	School, university and research buildings	ha	0	0.1	6.0	6.1
	Sports halls	ha	0	0	0	0
	Hospital or institutional care buildings	ha	0	0	0	0
	Other non-residential buildings	ha	0	0	2.0	2.0
	Military	ha	0	0	0	0
	Cemetery	ha	0	0	0	0
Transportation	Airfield runways	ha	0	0	0	0
	Helipad	ha	0	0	0	0
	Airfield runways	km	0	0	0	0
	Highways	km	0	0	0	0
	Primary Road	km	0	2.8	1.7	4.5
	Secondary Road	km	0	0	0	0
	Local Road	km	0	3.3	13.8	17.1
	Cart Track	km	0	0.9	46.8	47.6
	Long-distance railways	km	0	0	0	0
Facilities	Dams	ha	0	0	0	0
	Constructions for mining or extraction	ha	0	0	0	0
	Power plant constructions	ha	0	0	0	0
	Sport and recreation constructions	ha	0	0	7.5	7.5
	Other civil engineering works not elsewhere classified	ha	0	0	0	0
	Long-distance pipelines, communication and electricity lines	km	0	32.0	2.6	34.6
	Local pipelines and cables	km	0	0.1	1.7	1.8
	Breakwater	km	0	0	0	0
	Dams	km	0	0	0	0
Land use	Shrub and/or herbaceous vegetation association	ha				4,942.5
	Forests	ha				2,955.7
	Heterogeneous agricultural areas	ha				756.4
	Other	ha				124.6
	Inland wetlands	ha				3.4
	Open spaces with little or no vegetation	ha				0
* 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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