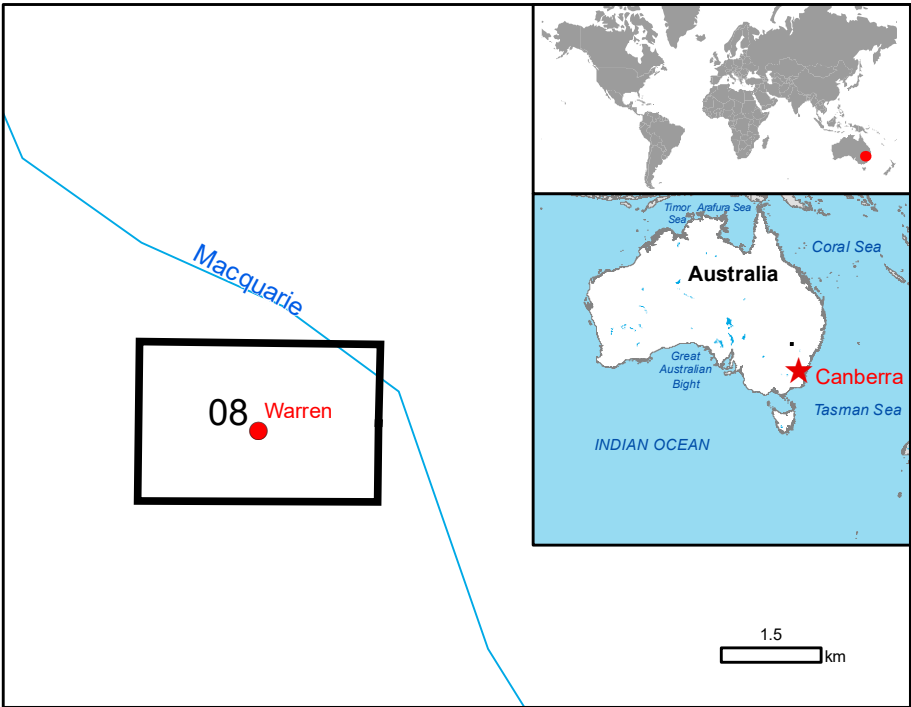


GLIDE number: N/A Activation ID: EMSR637  
Int. Charter Act. ID: N/A Product N.: 08WARREN CITY, v1

## Warren City - AUSTRALIA

### Flood - Situation as of 15/10/2022

#### Delineation MONIT02 - Overview map 01



#### Cartographic Information

1:6000 Full color A1, 200 dpi resolution

0 0.125 0.25 0.5 km

Grid: WGS 1984 UTM Zone 55S map coordinate system  
Tick marks: WGS 84 geographical coordinate system

#### Legend

Crisis Information	Hydrography	Transportation
<div><div></div>Flooded Area</div>	<div><div></div>River</div>	<div><div></div>Primary Road</div>
<div><div></div>Previous Flooded Area (14/10/2022 08:44 UTC)</div>	<div><div></div>Stream</div>	<div><div></div>Secondary Road</div>
<div><div></div>Area of Interest</div>	<div><div></div>Lake</div>	<div><div></div>Local Road</div>
<div><div></div>Placenames</div>	<div><div></div>Land Subject to Inundation</div>	<div><div></div>Cart Track</div>
<div><div></div>Placename</div>	<div><div></div>Reservoir</div>	<div><div></div>Long-distance railway</div>
	<div><div></div>River</div>	<div><div></div>Land Use - Land Cover</div>
	<div><div></div>Sport and recreation constructions</div>	<div><div></div>Features available in the vector package</div>
	<div><div></div>Settling Basin</div>	

Consequences within the AOI			
		Affected	Total in AOI
Flooded area	ha		111.0
Previous flooded area	ha		103.6
Estimated population		38	2,162
Transportation	km	1.7	40.4
Facilities	ha	0.3	35.3
Land use	ha	113.0	871.9

Full table available in the vector package

#### Map Information

The Australian Continent continues to experience a prolonged rainfall event. This ongoing weather pattern has now impacted most of the state of New South Wales where a large number of the communities within the area are experiencing severe flooding. Continued and extensive rainfall is expected in the areas of interest over the coming days as well as in the northern part of Victoria. Copernicus EMS RM is required to provide Delineation products with a daily monitoring.

The present map shows the flood delineation in the area of Warren (Australia). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 100 sq. m.

#### Relevant date records (UTC)

Event	12/10/2022 02:30	Situation as of	15/10/2022 20:49
Activation	12/10/2022 08:17	Map production	16/10/2022

#### Data sources

Pre-event image: Sentinel-2B (2022) (acquired on 04/09/2022 at 00:15 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI, 5.7° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Post-event image: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 15/10/2022 at 20:49 UTC, GSD 1 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.  
PAZ satellite image © Hidesat Servicios Estratégicos S.A., 2022 (acquired on 14/10/2022 at 08:44 UTC, GSD 1 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), Wikimapia.org, GeoNames 2015, Global Administrative Areas (2012), refined by the producer.

Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GHS Population Grid © European Commission, 2022  
[https://ghsl.jrc.ec.europa.eu/ghs\\_jrcp2022.php](https://ghsl.jrc.ec.europa.eu/ghs_jrcp2022.php)  
Digital Elevation Model: SRTM (30 m) (NASA/USGS) provided under COPERNICUS by the European Union and ESA, all rights reserved.

#### Disclaimer

Products elaborated in this Copernicus EMS Rapid Mapping activity are realized to the best of our ability, within a very short time frame, optimising the available data and information. All geographic information has limitations due to scale, resolution, date and interpretation of the original sources. No liability concerning the contents or the use thereof is assumed by the producer and by the European Union.  
Please be aware that the thematic accuracy might be lower in urban and forested areas due to inherent limitations of the SAR analysis technique.

Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by Telespazio Iberica released by e-GEOS (ODD).

For the latest version of this map and related products visit  
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