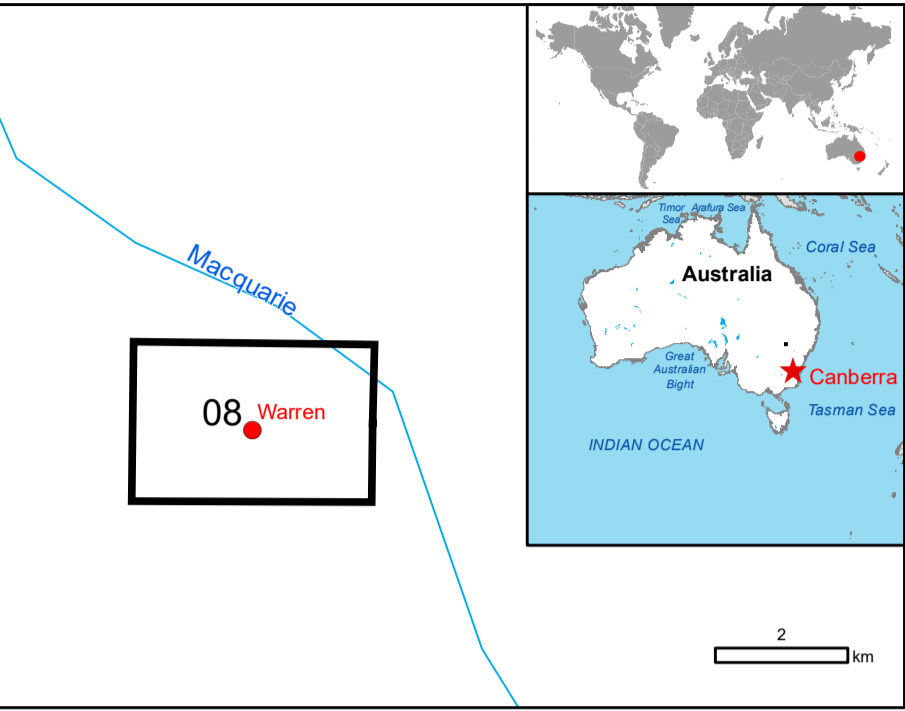


**Warren City - AUSTRALIA**  
**Flood - Situation as of 13/10/2022**  
Delineation - Overview map 01



**Cartographic Information**

1:6000 Full color A1, 200 dpi resolution  
0 0.15 0.3 0.6 km  
Grid: WGS 1984 UTM Zone 55S map coordinate system  
Tick marks: WGS 84 geographical coordinate system

**Legend**

<b>Crisis Information</b>	<b>Hydrography</b>	<b>Transportation</b>
Flooded Area	River	Primary Road
Area of Interest	Stream	Secondary Road
Not Analysed	Lake	Local Road
<b>Placenames</b>	Land Subject to Inundation	Cart Track
Placename	Reservoir	Long-distance railway
	River	<b>Land Use - Land Cover</b>
		Features available in the vector package
	Sport and recreation installations	
	Setting Basin	

**Consequences within the AOI**

	Affected	Total in AOI
Flooded area	ha	74.8
Estimated population	26	2,162
Transportation	km	40.4
Facilities	ha	35.3
Land use	ha	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 postional 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	13/10/2022 19:35
Activation	12/10/2022 08:17	Map production	14/10/2022

**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: PAZ satellite image © Hidesat Servicios Estratégicos S.A., 2022 (acquired on 13/10/2022 at 19:35 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: GH5 Population Grid © European Commission, 2022  
https://gh5.jrc.ec.europa.eu/gh5\_pop2022.php  
Digital Elevation Model: SRTM (90 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 (ODG).

For the latest version of this map and related products visit  
https://emergency.copernicus.eu/EMSR637

jrc-ems-rapidmapping@ec.europa.eu  
© European Union  
For full Copyright notice visit https://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal