

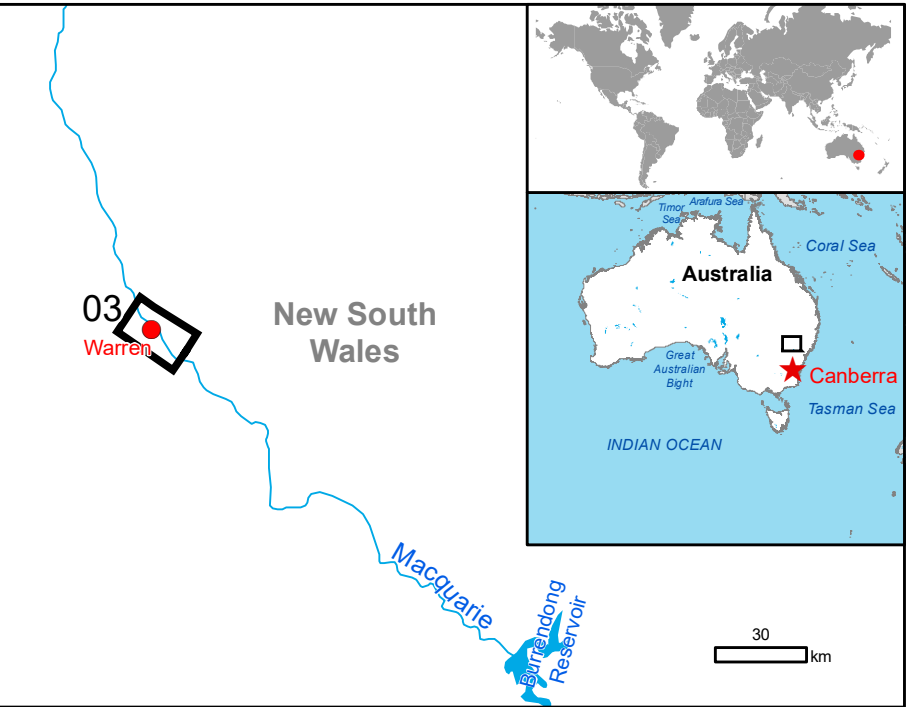
GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR637
Product N.: 03WARREN_v1

Warren - AUSTRALIA

Flood - Situation as of 13/10/2022

Delineation MONIT01 - Overview map 01



Cartographic Information

1:45000 Full color A1, 200 dpi resolution

0 0.75 1.5 3 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>Previous Flooded Area (13/10/2022 07:03 UTC)</div>	<div><div></div>River</div> <div><div></div>Stream</div> <div><div></div>Lake</div> <div><div></div>Land Subject to Inundation</div> <div><div></div>Reservoir</div> <div><div></div>Facilities</div>	<div><div></div>Primary Road</div> <div><div></div>Secondary Road</div> <div><div></div>Local Road</div> <div><div></div>Cart Track</div> <div><div></div>Long-distance railway</div> <div><div></div>Airfield runway</div> <div><div></div>Airfield runway</div>
General Information	Placenames	Land Use - Land Cover
<div><div></div>Area of Interest</div> <div><div></div>Image Footprint</div> <div><div></div>Not Analysed</div>	<div><div></div>Placename</div>	<div><div></div>Land Use - Land Cover</div> <div><div></div>Features available in the vector package</div>
Built-Up Area	Facilities	
<div><div></div>Residential</div> <div><div></div>Industrial building and warehouse</div> <div><div></div>Industrial</div> <div><div></div>School, university and research</div> <div><div></div>Hospital or institutional care</div> <div><div></div>Non-residential farm</div>	<div><div></div>Power and communication line</div> <div><div></div>Navigable canal</div> <div><div></div>Aqueduct, irrigation and cultivation waterwork</div> <div><div></div>Dam</div> <div><div></div>Sport and recreation constructions</div> <div><div></div>Settling Basin</div>	

Consequences within the AOI			Affected	Total in AOI
Flooded area	ha		2 955.8	1 819.7
Previous flooded area	ha		6	1 181
Estimated population			2.6	334.6
Build-up	km		13.1	217.3
Transportation	ha		0.0	62.1
Facilities	km		2.7	35.3
Land use	ha		0.1	45.4
	ha		2 955.8	31 367.9

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 1:25000. The estimated geometric accuracy (RMSE) is 6.25 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 625 sq m.

Relevant date records (UTC)

Event	12/10/2022 02:30	Situation as of	13/10/2022 20:32
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: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 13/10/2022 at 20:32 UTC, GSD 3.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
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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_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 CLS released by SERTIT (ODD).

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

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