

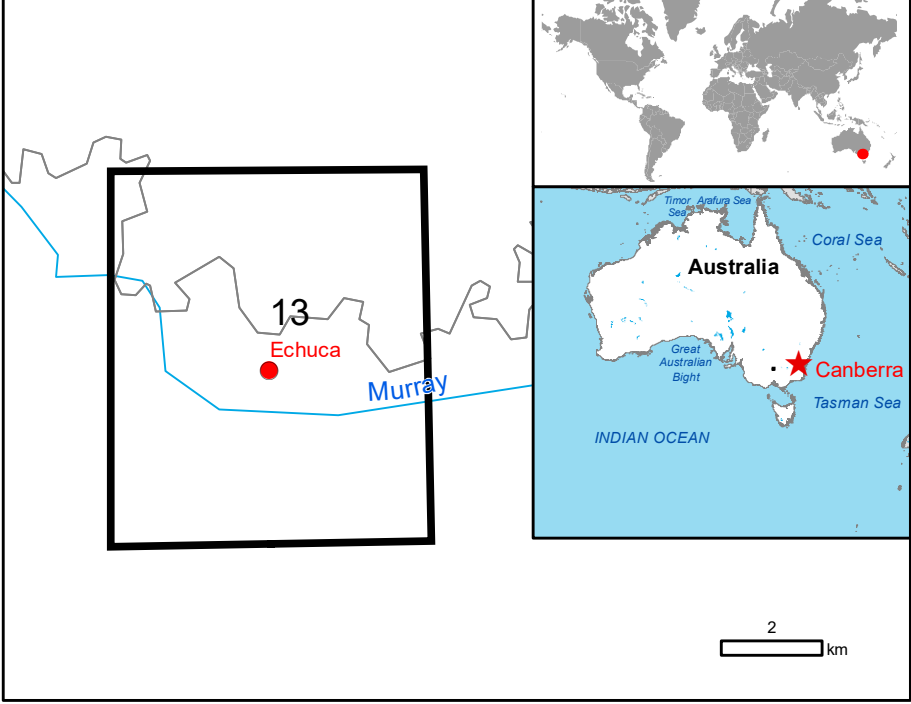
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Product N.: 13ECHUCA CITY, v2

## Echuca City - AUSTRALIA

### Flood - Situation as of 19/10/2022

Delineation - Overview map 01



#### Cartographic Information

1:14000 Full color A1, 200 dpi resolution



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

#### Legend

<b>Crisis Information</b>	<b>Hydrography</b>	<b>Transportation</b>
Flooded Area	River	Primary Road
Area of Interest	Stream	Secondary Road
<b>General Information</b>	Lake	Local Road
<b>Administrative boundaries</b>	Land Subject to Inundation	Cart Track
Region	River	Long-distance railway
Province	<b>Facilities</b>	Airfield runway
<b>Placenames</b>	Power and communication line	Airfield runway
Placename	Berthing Structure	<b>Land Use - Land Cover</b>
	Sport and recreation constructions	Features available in the vector package

Consequences within the AOI			Affected	Total in AOI
Flooded area	ha		164.9	164.9
Estimated population			113	19,068
Transportation	km		4.6	333.7
	ha		0.0	46.6
Facilities	km		0.0	6.1
	ha		9.2	175.2
Land use	ha		164.9	4,674.9

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 Echuca City (Australia). The thematic layer has been derived from post-event satellite image by means of visual interpretation. 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	19/10/2022 20:43
Activation	12/10/2022 08:17	Map production	25/10/2022

#### Data sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 20/10/2021, GSD 0.8 m, approx. 0% cloud coverage in AoI), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.

Post-event image: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 19/10/2022 at 20:43 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\_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 (ODO).

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