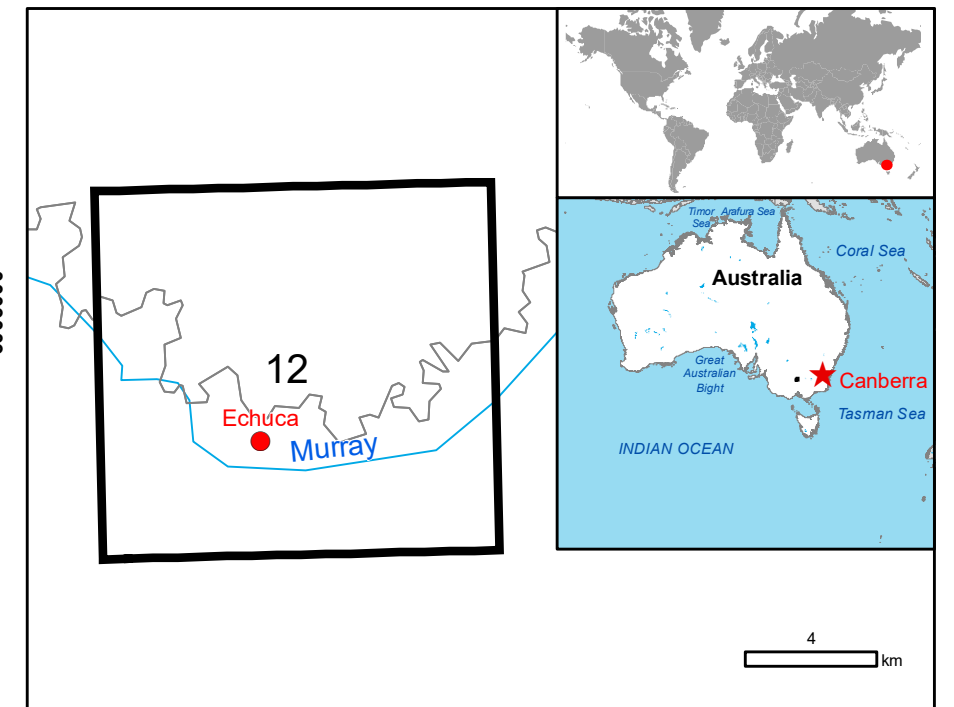


Echuca - AUSTRALIA

Flood - Situation as of 22/10/2022

Delineation MONIT01 - Overview map 01



Cartographic Information

1:22000 Full color A1, 200 dpi resolution

0 0.5 1 2 km

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

Legend

Crisis Information	Built-Up Area	Hydrography	Transportation
Flooded Area	Residential	River	Primary Road
Previous Flooded Area	Office	Stream	Secondary Road
Area of Interest	Wholesale and retail trade	Lake	Local Road
Not Analysed - No data	Industrial	Land Subject to Foundation	Cart Track
Administrative boundaries	School, university and research	River	Long-distance railway
Region	Hospital or institutional care	Facilities	Artificial railway
Province	Other non-residential	Power and communication line	Land Use - Land Cover
Place name	Cemetery	Berthing Structure	Features available in the vector package
	Construction for mining or extraction	Sport and recreation	
	Place name	Populations	

Consequences within the AOI			
	Affected	Total in AOI	
Previous flooded area	ha	983.9	
Flooded area	ha	927.7	
Estimated population	131	20,719	
Built-up	ha	1,398.4	
Transportation	km	512.8	
	ha	48.2	
Facilities	km	11.3	
	ha	194.7	
Land use	ha	13,513.5	

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 (Australia). The thematic layer has been derived from post-event satellite image by means of visual interpretation. 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	22/10/2022 07:04
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 22/10/2022 at 07:04 UTC, GSD 1 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 18/10/2022 at 20:55 UTC, GSD 3 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

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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).

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

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