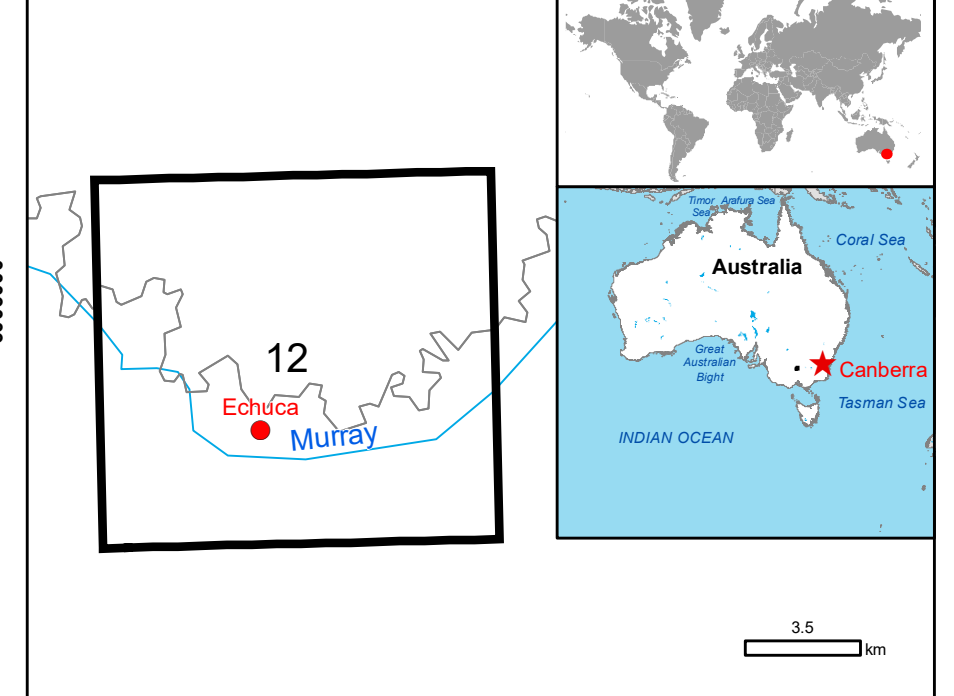


Echuca - AUSTRALIA

Flood - Situation as of 18/10/2022

Delineation - 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 |
| General Information | General Information | General Information | General Information |
| Administrative boundaries | Administrative boundaries | Administrative boundaries | Administrative boundaries |
| Placenames | Placenames | Placenames | Placenames |

| Consequences within the AOI | | |
|-----------------------------|----------|--------------|
| | Affected | Total in AOI |
| Flooded area | ha | 983.9 |
| Estimated population | 172 | 20,719 |
| Built-up | ha | 6.9 |
| Transportation | km | 512.8 |
| Facilities | km | 0.0 |
| Land use | ha | 13,513.5 |

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 | 18/10/2022 20:55 |
| 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 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, GeoJSON 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 <https://emergency.copernicus.eu/EMSR637>

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