

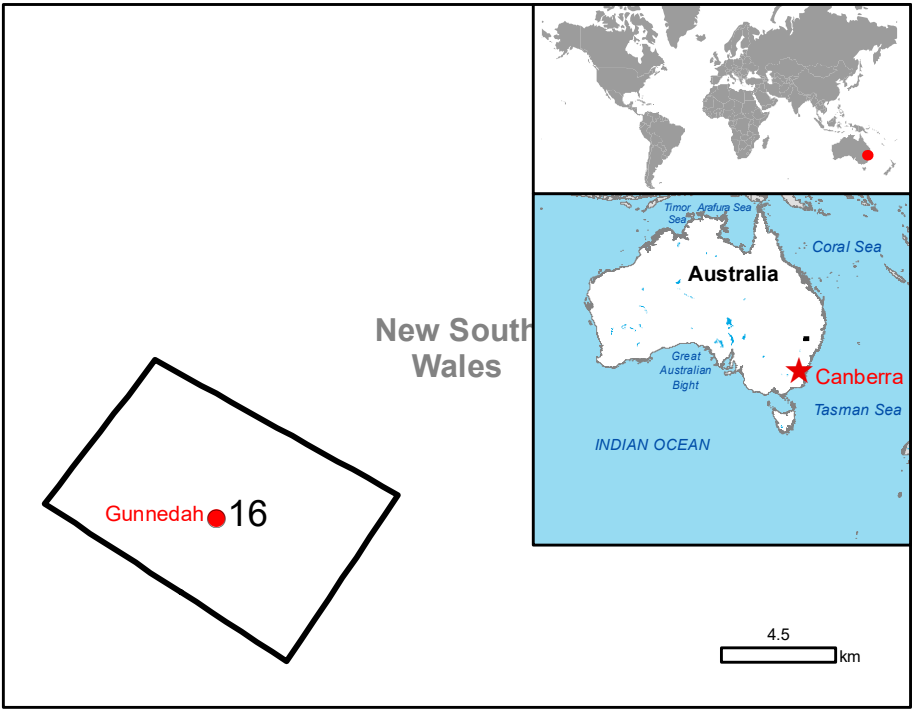
GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR637
Product N.: 16GUNNEDAH, v1

Gunnedah - AUSTRALIA

Flood - Situation as of 24/10/2022

Delineation - Overview map 01



Cartographic Information

1:23000 Full color A1, 200 dpi resolution



Grid: WGS 1984 UTM Zone 56S map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information	Hydrography	Transportation
Flooded Area	River	Primary Road
Area of Interest	Stream	Secondary Road
Placename	Lake	Local Road
Placename	Reservoir	Cart Track
Placename	River	Long-distance railway
Placename	Dam	Airfield runway
Placename	Settling Basin	Airfield runway
Placename	Power and communication line	Helped
Placename	Sport and recreation constructions	Land Use - Land Cover
Placename	Cemetery	Features available in the vector package

Consequences within the AOI			Affected	Total in AOI
Flooded area	ha		1,922.3	1,922.3
Estimated population			78	7,421
Built-up	ha		5.8	648.7
Transportation	km		10.6	220.6
Facilities	km		23.9	99.7
Land use	km		1.5	25.4
	ha		6.3	114.4
	ha		1,922.3	8,476.9

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 Gunnedah (Australia). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:23000. The estimated geometric accuracy (RMSE) is 20 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 2500 sq. m.

Relevant date records (UTC)

Event	12/10/2022 02:30	Situation as of	24/10/2022 08:40
Activation	12/10/2022 08:17	Map production	24/10/2022

Data sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 04/01/2022, GSD 0.6 m, approx. 0% cloud coverage in AOI).
Post-event image: Sentinel-1A/B (2022) (acquired on 24/10/2022 at 08:40 UTC, GSD 10.0 m) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), Wikimapia.org, GeoNames 2015, Copernicus Global Land Service: Land Cover (2019), 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)

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 GAF AG released by e-GEOS (ODD).

For the latest version of this map and related products visit
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