



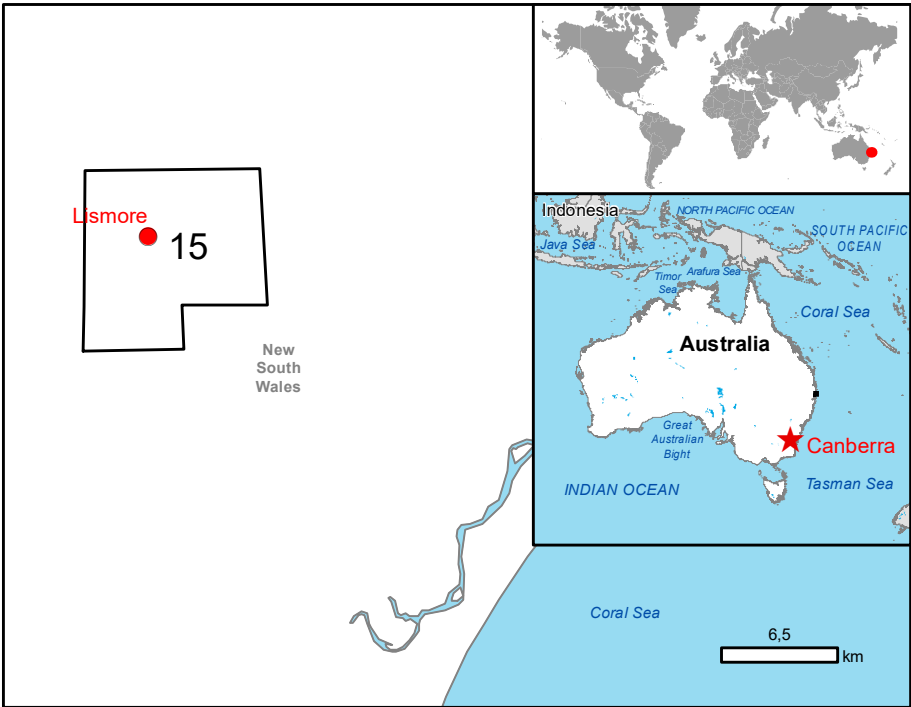
GLIDE number: N/A
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Activation ID: EMSR637
Product N.: 15LISMORE, v3

Lismore - AUSTRALIA

Flood - Situation as of 25/10/2022

Delineation - Overview map 01



Cartographic Information

681:20000

Full color A1, 200 dpi resolution

0 0,375 0,75 1,5 km

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
General Information	Stream	Secondary Road
Area of Interest	Lake	Local Road
Administrative boundaries	Reservoir	Cart Track
Place names	River	Long-distance railway
Place name	Facilities	Airfield runway
Built-Up Area	Power and communication line	Airfield runway
Residential	Sport and recreation constructions	Helpup
	Stilling Basin	Land Use - Land Cover

Consequences within the AOI			Unit of measurement		Affected		Total in AOI	
Flooded area			ha		8		66,4	
Estimated population			Number of inhabitants		24 000			
Built-up			ha		0,3		1 370,7	
Transportation	Residential Buildings		ha	0,0	59,2			
	Helpup		km	0,0	0,1			
	Airfield runways		km	0,0	3,9			
	Primary Road		km	0,2	49,5			
	Secondary Road		km	0,0	24,9			
	Local Road		km	0,2	241,7			
	Cart Track		km	0,0	17,2			
Facilities	Long-distance railways		km	0,0	12,5			
	Stilling Basin		ha	0,0	48,1			
	Sport and recreation constructions		ha	0,4	147,3			
	Long-distance pipelines, communication and electricity lines		km	0,2	44,6			
	Local pipelines and cables		km	0,0	7,3			
	Heterogeneous agricultural areas		ha	0,0	14,8			
	Forests		ha	16,8	2 659,7			
Land use	Shrub and/or herbaceous vegetation association		ha	4,8	4 567,4			
	Wetlands		ha	0,0	6,4			
	Other		ha	4,8	1 543,9			

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 area 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 Lismore (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	25/10/2022 07:38
Activation	12/10/2022 08:17	Map production	27/10/2022

Data sources

Pre-event image: Sentinel-2A/B (2022) (acquired on 17/09/2022 23:52 UTC, GSD 10,0 m, approx. 0% cloud coverage in AOI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Post-event image: TerraSar-X © Infoterra GmbH (acquired on 25/10/2022 07:38 UTC, GSD 3,3 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors (2022), Wikimapia.org, GeoNames 2015, Globe Land 30 (2020), Copernicus Global Land Service: Land Cover (2019), Global Administrative Areas (2012), refined by the producer.

Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

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 KMZ, GeoJSON).

Map produced by ITHACA 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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