

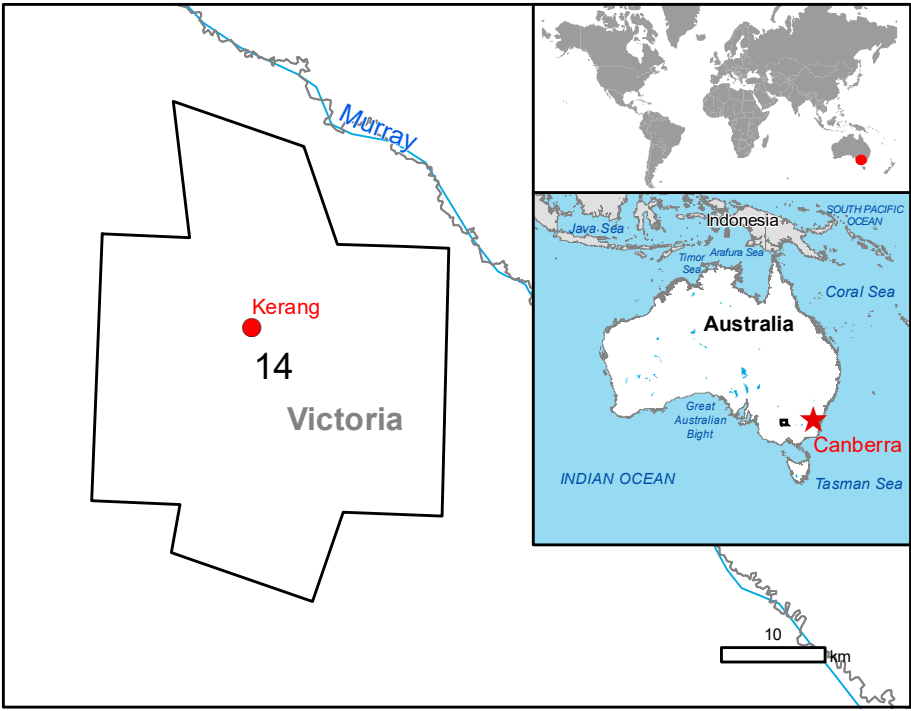
GLIDE number: N/A
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Activation ID: EMSR637
Product N.: 14KERGAN, v1

Kerang - AUSTRALIA

Flood - Situation as of 19/10/2022

Delineation - Overview map 01



Cartographic Information

1:95000

Full color A1, 200 dpi resolution

0 1,75 3,5 7 km

Grid: WGS 1984 UTM Zone 54S 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
Image Footprint	Lake	Local Road
Not Analysed	Land Subject to Inundation	Cart Track
Administrative boundaries	River	Long-distance railway
Province	Navigable canal	Airfield runway
Placename	Power and communication line	Airfield runway
Residential	Dam	Land Use - Land Cover
Wholesale and retail trade	Power plant construction	Features available in the vector package
Industrial	Sport and recreation constructions	
School, university and research		
Hospital or institutional care		
Cemetery		
Unclassified		

Consequences within the AOI			
		Affected	Total in AOI
Flooded area	ha	38	3 608,6
Estimated population	ha	2,8	5 679
Built-up	km	11,5	1 105,3
Transportation	ha	0,0	52,5
Facilities	km	1,0	26,4
Land use	ha	0,9	56,2

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 FM is required to provide Delineation products with a daily monitoring.

The present map shows the flood delineation in the area of Kerang (Australia). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. "Not analysed" indicates an area that could not be analysed in any of the post-event images. The scale of analysis is 1:25000. The estimated geometric accuracy (RMSE) is 10,0 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	19/10/2022 07:16
Activation	12/10/2022 08:17	Map production	19/10/2022

Data sources

Pre-event image: Sentinel-2A/B (2022) (acquired on 02/10/2022 00:21 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: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 19/10/2022 07:16 UTC, GSD 5,0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.

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, 2019

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 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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