

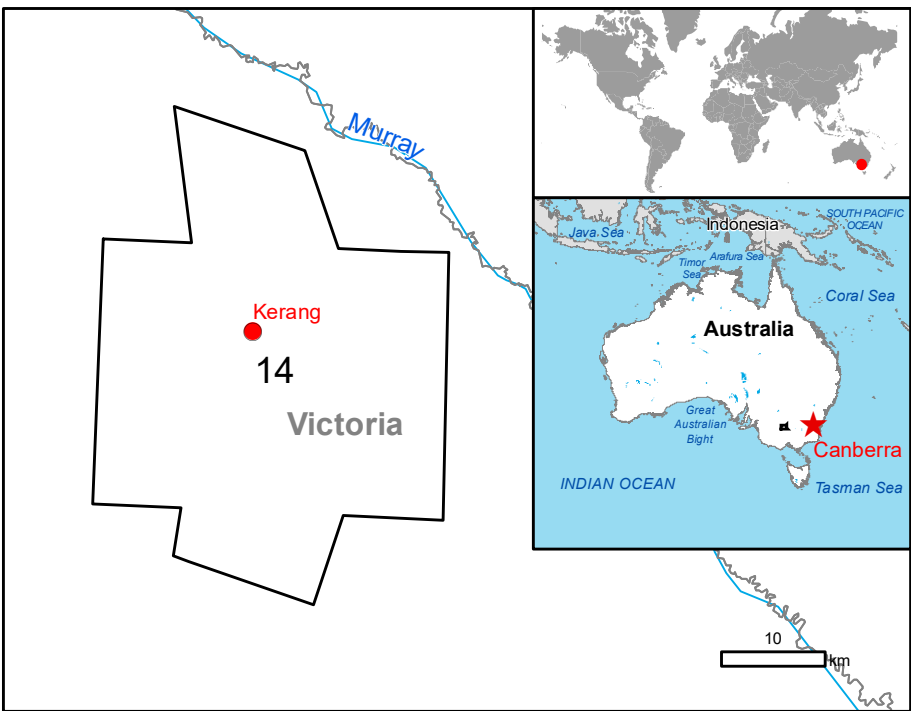
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Activation ID: EMSR637  
Product N.: 14KERANG, v1

## Kerang - AUSTRALIA

### Flood - Situation as of 22/10/2022

Delineation MONIT01- Overview map 01



### Cartographic Information

1:95000

Full color A1, 200 dpi resolution

0 1.5 3 6 km

Grid: WGS 1984 UTM Zone 54S map coordinate system  
Tick marks: WGS 84 geographical coordinate system

### Legend

Crisis Information	Hydrography	Transportation
<b>Flooded Area</b>	<b>River</b>	<b>Primary Road</b>
<b>Previous Flooded Area</b>	<b>Stream</b>	<b>Secondary Road</b>
<b>Area of Interest</b>	<b>Lake</b>	<b>Local Road</b>
<b>Administrative boundaries</b>	<b>Land Subject to Inundation</b>	<b>Cart Track</b>
<b>Province</b>	<b>River</b>	<b>Long-distance railway</b>
<b>Placenames</b>	<b>Facilities</b>	<b>Transportation</b>
<b>Place name</b>	<b>Power and communication line</b>	<b>Arfield runway</b>
<b>Built-Up Area</b>	<b>Navigable canal</b>	<b>Arfield runway</b>
<b>Wholesale and retail trade</b>	<b>Dam</b>	<b>Land Use - Land Cover</b>
<b>School, university and research</b>	<b>Power plant construction</b>	<b>Features available in the vector package</b>
<b>Hospital or institutional care</b>	<b>Sport and recreation constructions</b>	
<b>Cemetery</b>		
<b>Unclassified</b>		

Consequences within the AOI	Affected	Total in AOI
Previous flooded area	ha	1 571.1
Flooded area	ha	7 752.2
Estimated population	25	3 320
Built-up	km	0.5
Transportation	km	15.0
Facilities	km	0.0
Land use	ha	7 752.2

### 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 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	22/10/2022 09:16
Activation	12/10/2022 08:17	Map production	22/10/2022

### 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 COPENICUS by the European Union and ESA, all rights reserved.

Post-event image: COSMO-SkyMed (2022), distributed by e-GEOS S.p.A. (acquired on 19/10/2022 at 07:16 UTC, GSD 5.0 m), provided under COPENICUS 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.

Digital Elevation Model: SRTM (90 m) (NASA/USGS) provided under COPENICUS by the European Union and ESA, all rights reserved.

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).

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