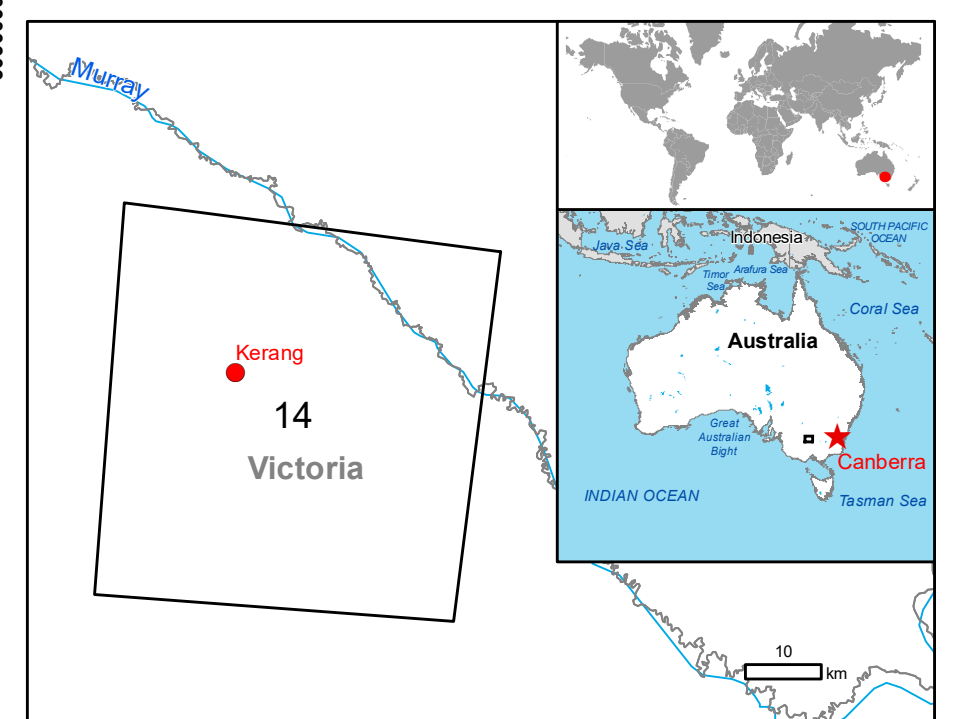


GLIDE number: N/A
Int. Charter Act. ID: N/A
Activation ID: EMSR637
Product N.: 14KERANG, v1

Kerang - AUSTRALIA

Flood - Situation as of 24/10/2022

Delineation MONIT02- Overview map 01



Cartographic Information

1:100000
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

- Flooded Area
- Previous Flooded Area (22/10/2022 09:16 UTC)

General Information

- Area of Interest
- Administrative boundaries
 - Region
 - Province
- Placenames
 - Placename
- Built-Up Area
 - Residential
 - Wholesale and retail trade
 - Industrial
 - School, university and research
 - Hospital or institutional care
 - Cemetery

Hydrography

- River
- Stream
- Lake
- Land Subject to Inundation
- River
- Power and communication line
- Navigable canal
- Dam
- Berthing Structure
- Construction for mining or extraction
- Power plant construction
- Sport and recreation constructions

Transportation

- Primary Road
- Secondary Road
- Local Road
- Cart Track
- Long-distance railway
- Arfield railway
- Arfield runway

Land Use - Land Cover

- Features available in the vector package

Consequences within the AOI		
Flooded area	ha	Affected
Previous flooded area	ha	Total in AOI
Built-up	ha	8 225.9
Transportation	km	7 752.2
Facilities	km	21
Land use	ha	6 711
	km	0.0
	km	707.9
	km	25.4
	km	2 841.0
	km	2.5
	km	11.6
	km	1 025.5
	km	11.6
	km	676.7
	km	8 219.9
	km	247 686.2

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 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 20.0 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 19:41
Activation	12/10/2022 08:17	Map production	25/10/2022

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.

Post-event image: RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2022) (acquired on 22/10/2022 at 09:16 UTC, GSD 5.0 m) – RADARSAT is an official mark of the Canadian Space Agency – provided under COPENICUS by the European Union and ESA, all rights reserved.

Sentinel-1A/B (2022) (acquired on 24/10/2022 19:41 UTC, GSD 10.0 m) provided under COPENICUS by the European Union and ESA.

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) provided under COPENICUS by the European Union and ESA, all rights reserved.

Population data: GHS Population Grid © European Commission, 2019

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, 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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