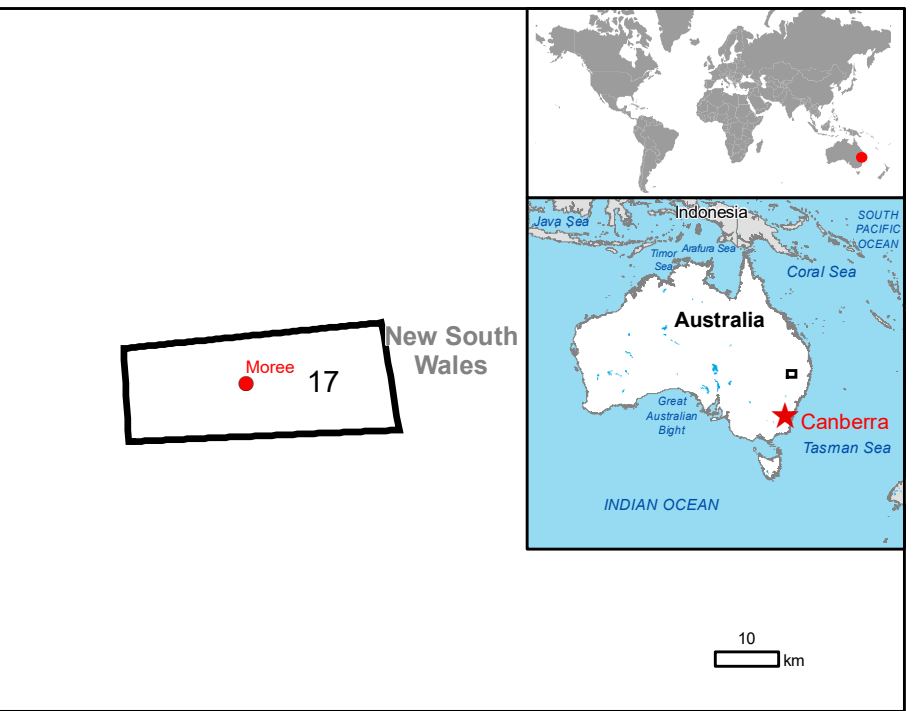


Moree - AUSTRALIA

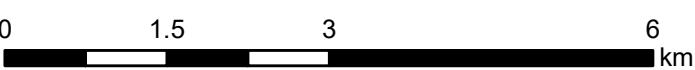
Flood - Situation as of 25/10/2022

Delineation MONIT01 - Overview map 01



Cartographic Information

1:70000 Full color A1, 200 dpi resolution



Grid: WGS 1984 UTM Zone 55S map coordinate system
Tick marks: WGS 84 geographical coordinate system



Legend

Crisis Information	Hydrography	Transportation
<ul style="list-style-type: none">Flooded Area (25/10/2022 07:08 UTC)Previous Flooded Area (24/10/2022 06:11 UTC)	<ul style="list-style-type: none">RiverStreamLand Subject to InundationReservoirRiverStream	<ul style="list-style-type: none">HighwayPrimary RoadSecondary RoadLocal RoadCart TrackLong-distance railwayAirfield runwayArtificial runway
General Information	Facilities	Land Use - Land Cover
<ul style="list-style-type: none">Area of InterestImage Footprint	<ul style="list-style-type: none">Power and communication lineAqueduct, irrigation and cultivation waterworkSport and recreation constructionsSettling Basin	<ul style="list-style-type: none">Features available in the vector package
Place names		
<ul style="list-style-type: none">ResidentialWholesale and retail tradeIndustrialSchool, university and researchHospital or institutional careCemetery		
Built-Up Area		
<ul style="list-style-type: none">ResidentialWholesale and retail tradeIndustrialSchool, university and researchHospital or institutional careCemetery		

Consequences within the AOI		Affected	Total in AOI
Previous flooded area	ha		25,881.1
Flooded area	ha		10,234.2
Estimated population		1,611	5,534
Built-up	ha	78.9	605.5
Transportation	km	198.7	485.1
Facilities	km	0.0	243.2
Land use	ha	11.6	51.3
	ha	73.6	83.4
	ha	26,003.1	67,389.8

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 Moree (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 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	25/10/2022 07:08
Activation	12/10/2022 08:17	Map production	26/10/2022

Data sources

Pre-event image: Sentinel-2A/B (2022) (acquired on 04/10/2022 at 00:11 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI) 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 25/10/2022 at 07:08 UTC, GSD 5.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
Sentinel-2A/B (2022) (acquired on 24/10/2022 at 00:11 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI) 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

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 e-GEOS released by e-GEOS (ODD).

For the latest version of this map and related products visit
<https://emergency.copernicus.eu/EMSR637>

jrc-ems-rapidmapping@ec.europa.eu

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