

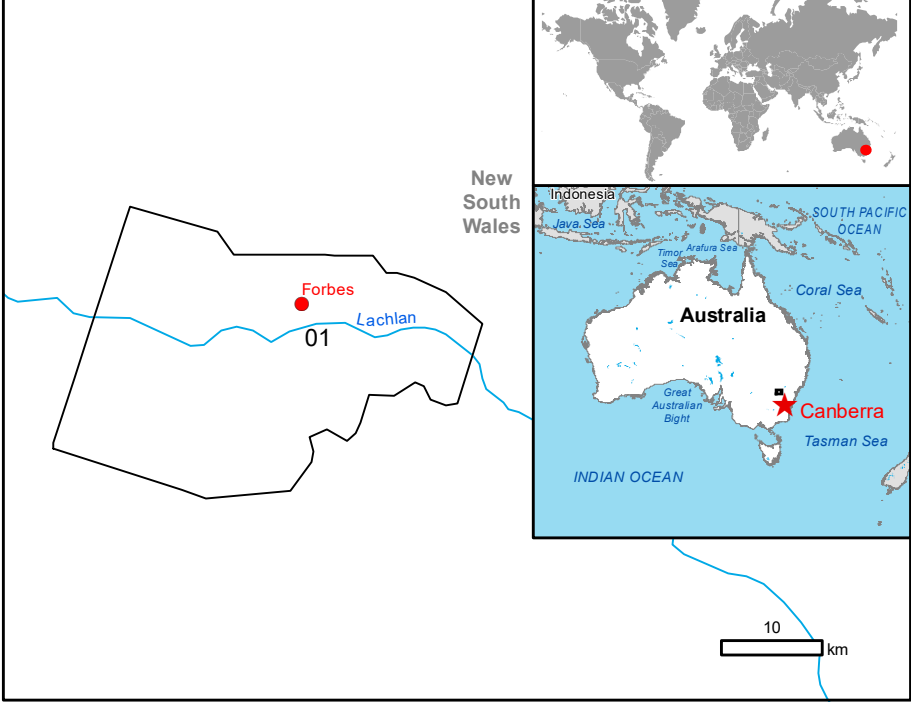
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## Forbes - AUSTRALIA

### Flood - Situation as of 03/11/2022

Delineation MONIT02 - Overview map 01



### Cartographic Information

1:65000

Full color A1, 200 dpi resolution

0 1,25 2,5 5 km

Grid: WGS 1984 UTM Zone 55S map coordinate system

Tick marks: WGS 84 geographical coordinate system



### Legend

Crisis Information	Hydrography	Transportation
Flooded Area (03/11/2022 06:58 UTC)	River	Highway
Previous Flooded Area (13/10/2022 20:31 UTC)	Stream	Primary Road
Area of Interest	Lake	Secondary Road
Image Footprint	Land Subject to Inundation	Local Road
Placenames	Facilities	Cart Track
Placename	Power and communication line	Long-distance railway
Placename	Construction for mining or extraction	Airfield runway
Placename	Sport and recreation constructions	Land Use - Land Cover
Placename	Settling Basin	Features available in the vector package
Placename		

Consequences within the AOI	Unit of measurement	Affected	Total in AOI
Flooded area	ha	11	11 105,1
Previous Flooded area	ha	3 142,1	3 142,1
Estimated population	Number of inhabitants	72	5 711
Buildings	ha	7,5	1 053,3
Transportation	ha	0,0	50,5
Highways	km	5,3	36,4
Primary Road	km	0,6	16,0
Secondary Road	km	3,9	71,1
Local Road	km	8,1	211,6
Cart Track	km	6,3	179,9
Long-distance railways	km	0,4	50,0
Settling Basin	ha	0,2	10,1
Facilities	ha	2,6	12,4
Construction for mining or extraction	ha	2,2	29,7
Sport and recreation constructions	ha	2,6	66,9
Long-distance pipelines, communication and electricity lines	km	2,2	29,7
Land use	ha	4 952,4	31 526,5
Heterogeneous agricultural areas	ha	3 983,5	4 756,0
Forests	ha	4 371,5	36 460,5
Shrub and/or herbaceous vegetation association	ha	1 433,8	2 140,1
Intend wetlands	ha	38,8	972,4
Other	ha		

### 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 Forbes (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 postional 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	03/11/2022 06:58
Activation	12/10/2022 08:17	Map production	10/11/2022

### Data sources

Pre-event image: Sentinel-2A/B (2022) (acquired on 14/09/2022 00:11 UTC, GSD 10,0 m, approx. 0,5 % cloud coverage in AOI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.  
Post-event images: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 03/11/2022 06:58 UTC, GSD 3,0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.  
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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.

Population data: GHS - Population Grid © European Commission, 2022  
[https://ghsl.jrc.ec.europa.eu/ghs\\_pop2022.php](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 ITHACA released by SERTIT (ODO).

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

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