

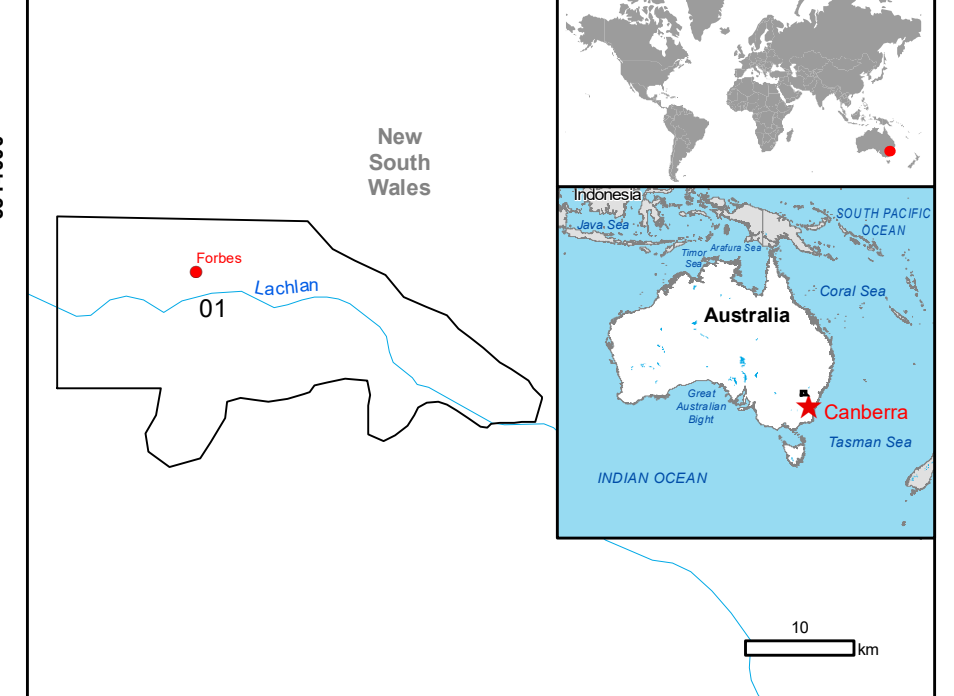
GLIDE number: N/A
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Activation ID: EMSR637
Product N.: 01FORBES, v1

Forbes - AUSTRALIA

Flood - Situation as of 13/10/2022

Delineation - Overview map 01



Cartographic Information

1:70000

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**
 - Flooded Area
- General Information**
 - Area of Interest
 - Image Footprint
 - Not Analysed
- Administrative boundaries**
 - Province
- Placenames**
 - Placename
- Built-Up Area**
 - Residential
- Hydrography**
 - River
 - Stream
 - Lake
 - Land Subject to Inundation
- Facilities**
 - Power and communication line
 - Construction for mining or extraction
 - Sport and recreation constructions
 - Settling Basin
- Transportation**
 - Highway
 - Primary Road
 - Secondary Road
 - Local Road
 - Cart Track
 - Long-distance railway
 - Airfield runway
- Land Use - Land Cover**
 - Features available in the vector package

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Flooded area	ha	38	3.006,7
Estimated population	Number of inhabitants	38	5.679
Built-up	ha	2,8	1.103,3
Transportation	ha	0,0	60,5
Airfield runways	km	0,6	23,4
Highways	km	0,1	15,7
Primary Road	km	4,5	81,0
Secondary Road	km	4,1	192,6
Local Road	km	2,1	176,9
Cart Track	km	0,0	28,2
Long-distance railways	km	0,2	10,1
Facilities	ha	0,4	12,1
Settling Basin	ha	0,3	34,0
Constructions for mining or extraction	km	1,0	26,4
Sport and recreation constructions	ha	1,0	26,4
Long-distance pipelines, communication and electricity lines	km	1,0	26,4
Land use	ha	1.100,7	23.141,8
Heterogeneous agricultural areas	ha	101,7	3.756,7
Forests	ha	2.246,1	33.570,6
Shrub and/or herbaceous vegetation association	ha	115,7	466,1
Heard wetlands	ha	19,4	980,4
Other	ha	19,4	980,4

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 Forbes (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 6,25 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	13/10/2022 07:03
Activation	12/10/2022 08:17	Map production	13/10/2022

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 image: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 13/10/2022 at 07:03 UTC, GSD 3 m), provided under COPERNICUS 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.
Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2015.

Population data: GH5 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 ITHACA released by SERTIT (ODD).

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

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