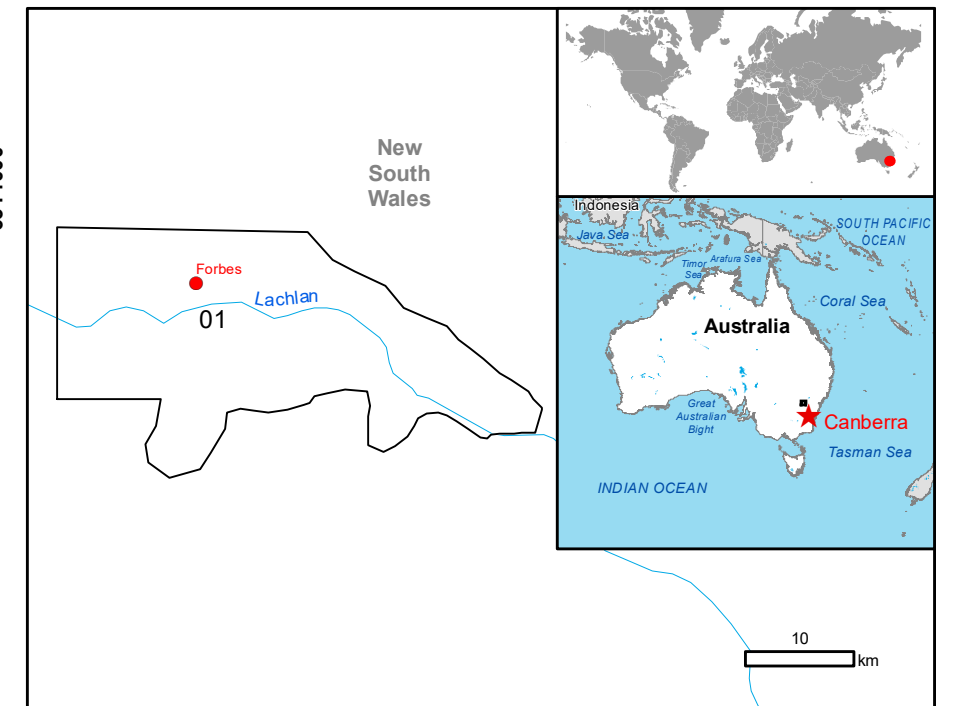


GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR637
Product N.: 01FORBES, v2

Forbes - AUSTRALIA

Flood - Situation as of 13/10/2022
Delineation MONIT01 - Overview map 01



Cartographic Information

1:700000
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	River	Primary Road
Previous Flooded Area (13/10/2022 07:03 UTC)	Stream	Secondary Road
Area of Interest	Lake	Local Road
Image Footprint	Land Subject to Inundation	Cart Track
Administrative boundaries	Facilities	Long-distance railway
Province	Power and communication line	Airfield runway
Placenames	Construction for mining or extraction	Land Use - Land Cover
Placename	Sport and recreation constructions	Features available in the vector package
Built-Up Area	Settling Basin	
Residential		

Consequences within the AOI	Unit of measurement	Affected	Total in AOI
Previous flooded area	ha	3 696,4	3 696,4
Flooded area	ha	3 392,8	3 392,8
Estimated population	Number of inhabitants	67	5 079
Built-up	ha	9,3	1 105,3
Transportation	km	0,0	60,5
Artificial runways	km	0,9	23,4
Highways	km	0,0	15,7
Primary Road	km	2,2	81,0
Secondary Road	km	4,7	163,6
Local Road	km	3,0	178,9
Cart Track	km	0,1	28,2
Long-distance railways	km	0,4	10,1
Facilities	ha	1,4	14,6
Settling Basin	ha	1,4	34,0
Construction for mining or extraction	ha	2,1	28,4
Sport and recreation constructions	ha	1 093,2	23 141,8
Long-distance pipelines, communication and electricity lines	ha	134,6	3 756,7
Land use	ha	1 870,9	33 370,8
Heterogeneous agricultural areas	ha	167,2	468,1
Forests	ha	26,6	860,4
Shrub and/or herbaceous vegetation association			
Intert wetlands			
Other			

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 20:31
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 COPENNICUS 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, the 13/10/2022 at 20:31 UTC., GSD 3,0 m), provided under COPENNICUS 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: 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 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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