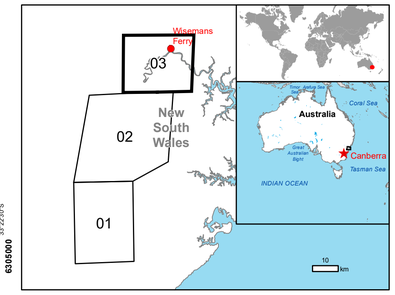
GLIDE number: N/A
Int. Charter Act. ID: N/A

Activation ID: EMSR586
Product N.: 03WISEMANSFERRY, v1

Wisemans Ferry - AUSTRALIA

Flood - Situation as of 05/07/2022

Delineation - Overview map 01



Cartographic Information

1:42000

Full color A1, 200 dpi resolution

0 0.75 1.5 3 km

N

Grid: WGS 1984 UTM Zone 56S map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information
- Flooded Area
- Previous Flooded Area (04/07/2022 08:28 UTC)

General Information
- Area of Interest
- Detail map

Administrative boundaries
- Province

Placenames
- Placename

Built-Up Area
- Built-Up Area

Hydrography
- River
- Stream
- Lake
- Land Subject to Inundation
- River

Facilities
- Power and communication line
- Berthing Structure

Facilities
- Construction for mining or extraction
- Sport and recreation constructions

Transportation
- Primary Road
- Secondary Road
- Local Road
- Cart Track
- Airfield runway

Physiography & Land Use - Land Cover
Features available in the vector package

Consequences within the AOI			
		Affected	Total in AOI
Flooded area	ha		1,561.1
Previous flooded area	ha		1,177.7
Estimated population		335	6,955
Built-up	ha	1.3	84.2
Transportation	km	27.4	787.6
Facilities	km	0.5	76.1
	ha	2.7	43.5
Land use	ha	1,561.1	60,702.1

Full table available in the vector package

Map Information

An East Coast Low has developed off the coast of New South Wales which is producing heavy rain with a threat to life and property through the rapid rising of rivers and flash flooding. Flooding impacts are expected to last throughout the week starting from July 3rd, 2022. This area was the location of previous flooding this year which has resulted in high soil moisture levels which is more susceptible to flooding. There are numerous flood warnings in place, 17 evacuation orders have been issued, and six evacuation centres are open. At the time of activation more than 1650 requests for assistance have been received by New South Wales State Emergency Services (SES) as well as a total of 26 flood rescue activations.

The present map shows the flood delineation in the area of Wisemans Ferry (Australia). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:50000. The estimated geometric accuracy (RMSE) is 60.0 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 22500 sq m.

Relevant date records (UTC)

Event	03/07/2022 00:00	Situation as of	05/07/2022 08:55
Activation	03/07/2022 08:40	Map production	06/07/2022

Data sources

Pre-event image: Sentinel-2A/B (2022) (acquired on 13/06/2022 at 00:02 UTC, GSD 10.0 m, approx. 0 % cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.
Post-event image:TerraSar-X © Infoterra GmbH (acquired on 04/07/2022 at 08:28 UTC, GSD 22.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2022) (acquired on 05/07/2022 at 08:55 UTC, GSD 25 m) provided under COPERNICUS by the European Union and ESA, all rights reserved.

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, 2019 https://ghsl.jrc.ec.europa.eu/ghs_pop2019.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 (ODO).

For the latest version of this map and related products visit https://emergency.copernicus.eu/EMSR586

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