

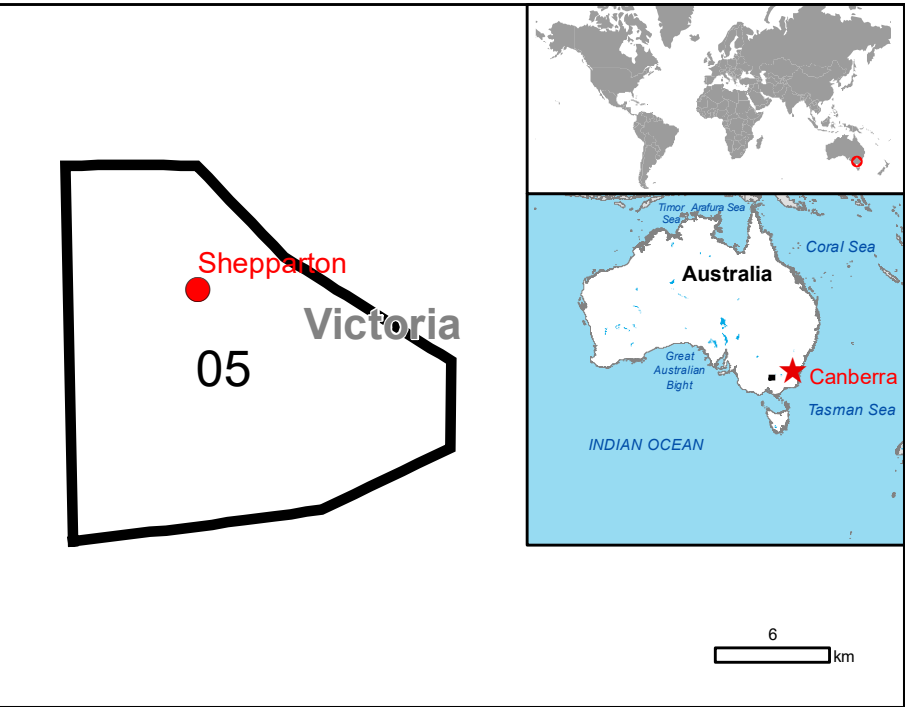
GLIDE number: N/A  
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Activation ID: EMSR637  
Product N.: 05SHEPPARTON, v1

## Shepparton - AUSTRALIA

Flood - Situation as of 18/10/2022

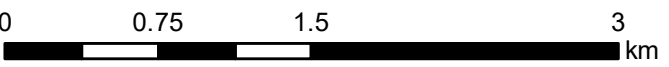
Delineation MONIT01 - Overview map 01



### Cartographic Information

1:37000

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	Built-Up Area	Hydrography	Transportation
Flooded Area	Residential	River	Highway
Area of Interest	Urban	Lake	Railway
Area of Interest	Industrial building and warehouse	Reservoir	Secondary Road
Area of Interest	School, university and research	Canal	Local Road
Area of Interest	Hospital or medical care	Drainage ditch	Cart track
Area of Interest	Police station	Irrigation canal	Long distance railway
Area of Interest	Prison	Barrage and weir	Pipeline
Area of Interest	Cemetery	Barrage and weir	Pipeline
Area of Interest	Cemetery	Barrage and weir	Pipeline

Consequences within the AOI		
	Affected	Total in AOI
Previous flooded area	ha	2,165.0
Flooded area	ha	1,559.0
Estimated population	ha	760
Built-up	ha	17.2
Transportation	km	20.0
Facilities	ha	55.6
Land use	ha	1,559.0

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 that has so far resulted in 2 fatalities. The National Bureau of Meteorology (BoM) have issued NSW with numerous flood warnings for rivers and their catchments throughout the State. We have also seen local authorities evacuate townships. Continued and extensive rainfall is expected in the areas of interest over the coming days as well as in the northern part of Victoria. This will most likely lead to more flooding in already saturated catchments. The activation of Copernicus will fill a critical gap in the Australian Government's situational awareness of the event. With thick cloud expected to cover the AOIs for the coming days we are unable to use optical satellites to capture the flood extent. We therefore require assistance through the use of a cloud penetrating radar capability to acquire these areas. Copernicus EMS RM is required to provide Delineation products with a daily monitoring.

The present map shows the flood in the area of Shepparton (Australia). The thematic layer has been derived from post-event satellite image by means of visual interpretation. 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	18/10/2022 09:09
Activation	12/10/2022 08:17	Map production	19/10/2022

### Data sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 14/12/2020, GSD 0.8 m, approx. 0% cloud coverage in AOI), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.

Post-event image: PAZ satellite image © Hisdesat Servicios Estratégicos S.A., 2022 (acquired on 18/10/2022 at 09:09 UTC, GSD 3 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.

Delivery formats are Layered Geospatial PDF, GeoPEG and vector (ESRI shapefiles, Google Earth KML, GeoJSON).

Map produced by Telespazio released by e-GEOS (ODO).

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

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