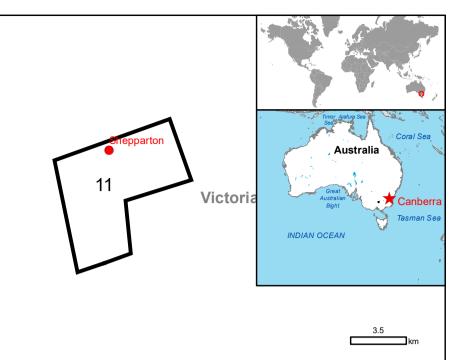


Activation ID: EMSR637 Product N.: 11SHEPPARTON CITY, v1

# **Shepparton City - AUSTRALIA** Flood - Situation as of 15/10/2022

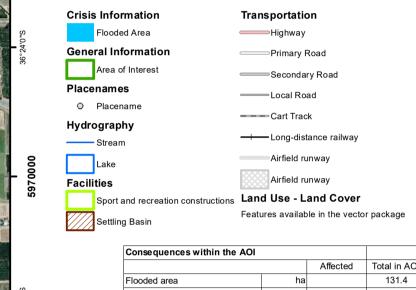
Delineation - Overview map 01



### Cartographic Information



# Legend



Consequences within the AOI			
		Affected	Total in AOI
Flooded area	ha		131.4
Estimated population		83	22,232
Transportation	km	1.6	310.6
	ha	0.0	56.7
Facilities	ha	3.0	145.7
Land use	ha	131.4	4,383.2
	114		.,300.2

## 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 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 delineation in the area of Shepparton City (Australia). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The scale of analysis is 1:10000. The estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 100 sq m.

#### Relevant date records (UTC) 12/10/2022 02:30 Situation as of 15/10/2022 21:06

Activation	12/10/2022 08:17	Map production	16/10/2022			
		7				
Data anyman						

#### 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: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 15/10/2022 at 21:06 UTC, GSD 1 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: GHS Population Grid © European Commission, 2022

https://ghsl.jrc.ec.europa.eu/ghs\_pop2022.php

Digital Elevation Model: SRTM (30 m) (NASA/USGS) provided under COPERNICUS by the European Union and ESA, all rights reserved.

## Disclaimer

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

Map produced by Telespazio Ibérica relased by e-GEOS (ODO).

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jrc-ems-rapidmapping@ec.europa.eu

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