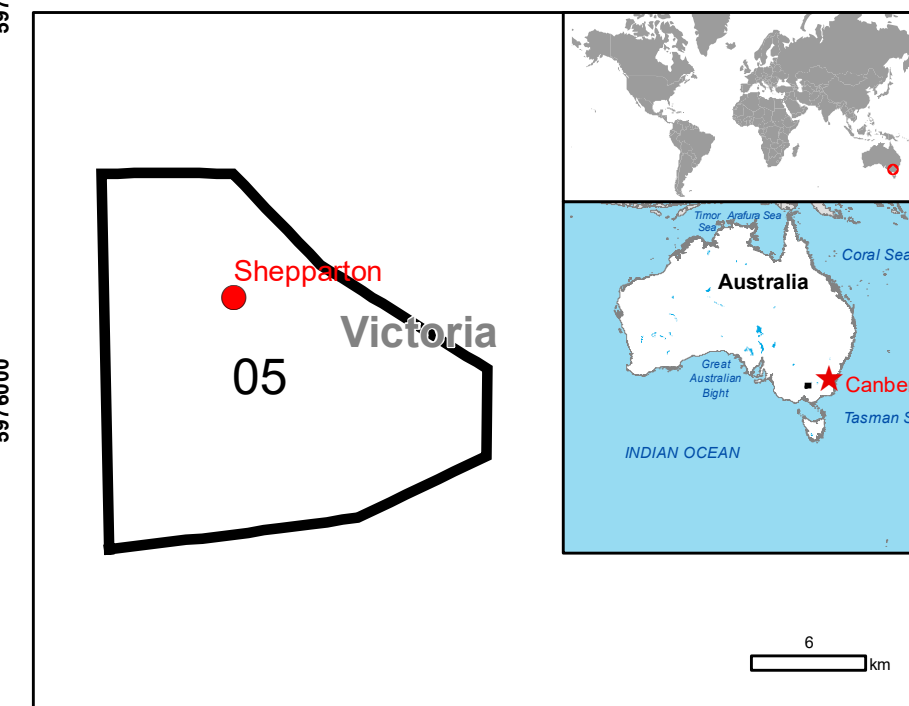


GLIDE number: N/A Activation ID: EMSR637
Int. Charter Act. ID: N/A Product N.: 05SHEPPARTON, v1

Shepparton - AUSTRALIA

Flood - Situation as of 16/10/2022

Delineation - 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

Data Information

- Flooded Area
- Agricultural Intensity
- Administrative boundaries

Build-Up Area

- Residential
- Industrial building and waste
- Industrial or industrial area
- Urban non-residential

Hydrography

- River
- Lake
- Reservoir
- Facilities

Transportation

- Highway
- Secondary Road
- Land Road
- Land Use - Land Cover

Features 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 a 'Watch' for widespread flooding and the NSW State Government has issued a 'Watch' for severe local flooding. 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 result in further widespread flooding and the potential for landslides and debris flows. The 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 Synthetic Aperture Radar (SAR) satellites. The Copernicus EMS Risk Use Case requires SAR is required to provide Delineation products with a daily monitoring capability.

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	16/10/2022 21:06
Activation	12/10/2022 08:17	Map production	17/10/2022

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: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 16/10/2022 at 21:06 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: GHS Population Grid © European Commission, 2022
https://ghsl.jrc.ec.europa.eu/ghs_pop2022.php

Digital Elevation Model: SRTM (90 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 released by e-GEOS (ODO).

For the latest version of this map and related products visit
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