

Legend

Rochester City - AUSTRALIA
Flood - Situation as of 15/10/2022
Delineation - Overview map 01

Cartographic Information

1:10000 Full color A1, 200 dpi resolution

0 0.25 0.5 1 km

Grid: WGS 1984 UTM Zone 55S map coordinate system
Tick marks: WGS 84 geographical coordinate system

Crisis Information

Flooded Area

General Information

Area of Interest

Hydrography

Stream

Lake

Reservoir

River

Navigable canal

Sport and recreation constructions

Transportation

Primary Road

Secondary Road

Local Road

Cart Track

Long-distance railway

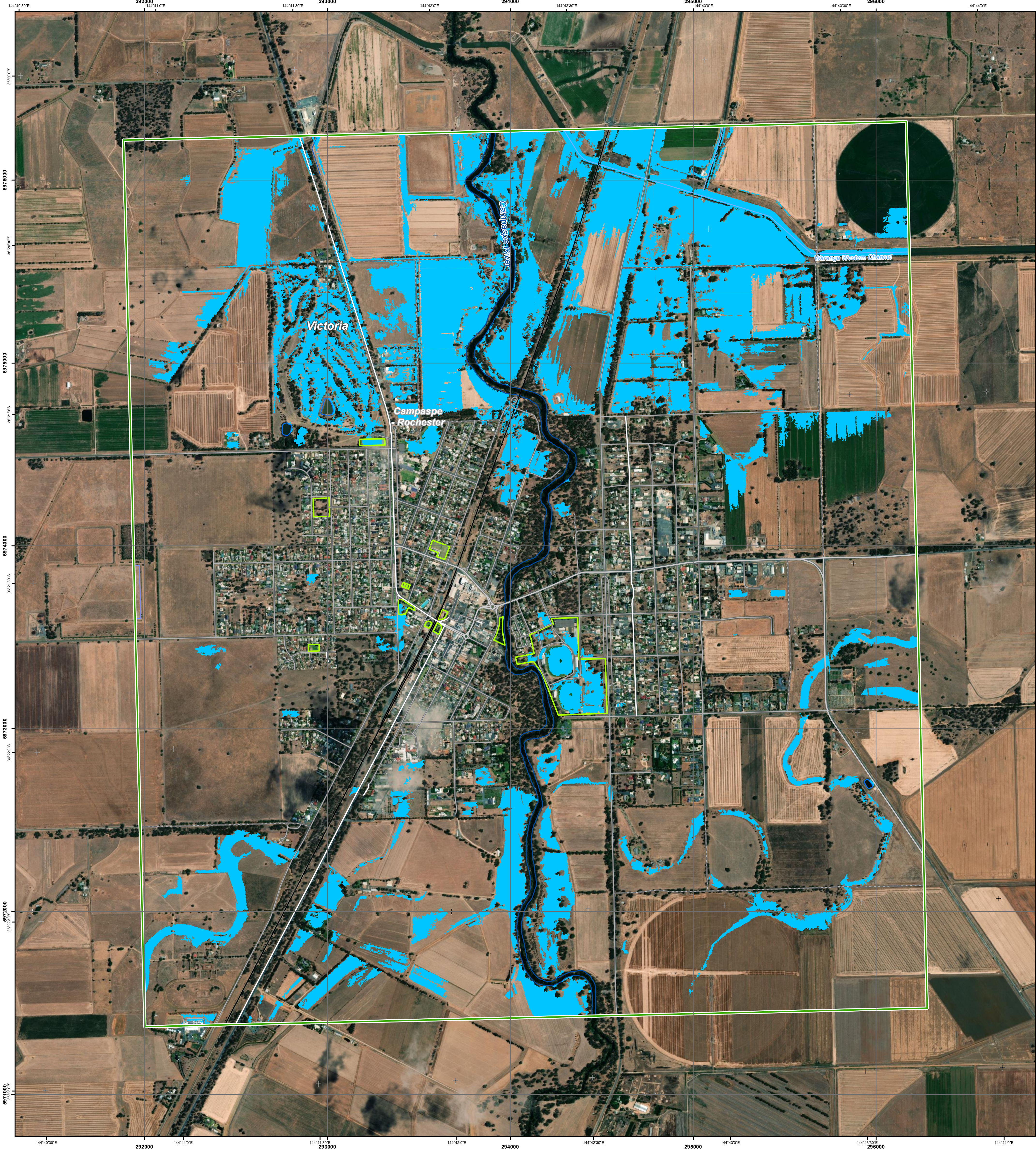
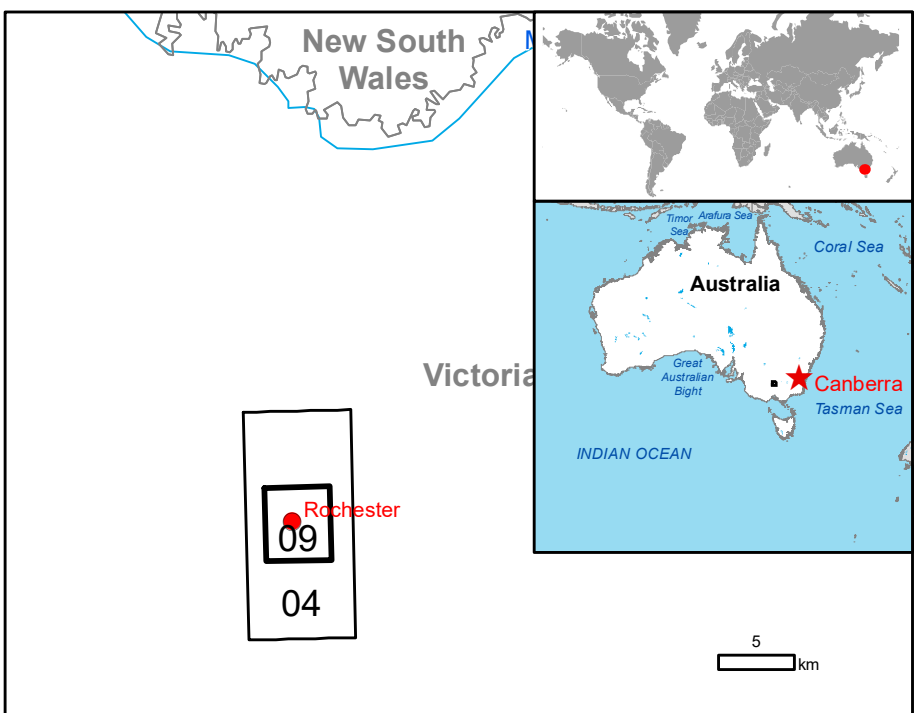
Land Use - Land Cover

Features available in the vector package

Built-up

Features available in the vector package

| Consequences within the AOI | | | |
|-----------------------------|---|----------|--------------|
| | Unit of measurement | Affected | Total in AOI |
| Flooded area | ha | 48 | 324.8 |
| Estimated population | Number of inhabitants | 48 | 2,307 |
| Built-up | Residential buildings | No. | 1 |
| | Other buildings not elsewhere classified | No. | 0 |
| Transportation | Communication buildings, stations, terminals and associated buildings | No. | 0 |
| | Primary Road | km | 0.6 |
| Facilities | Secondary Road | km | 0.1 |
| | Local Road | km | 2.3 |
| Land use | Cart Track | km | 2.2 |
| | Long-distance railways | km | 0.4 |
| Facilities | Sport and recreation constructions | ha | 7.8 |
| | Navigable canals | km | 2.2 |
| Land use | Heterogeneous agricultural areas | ha | 70.0 |
| | Forests | ha | 11.2 |
| Facilities | Shrub and/or herbaceous vegetation association | ha | 238.5 |
| | Inland wetlands | ha | 0.1 |
| Land use | Other | ha | 5.0 |
| | | | 302.0 |



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 Rochester City (Australia). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. 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.

Data sources

Pre-event image: ESRI World Imagery © DigitalGlobe (acquired on 16/12/2021, GSD 0.6 m, approx. 0% cloud coverage in AOI).
Post-event image: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 15/10/2022 at 20:48 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, 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)

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 GAF AG 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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Relevant date records (UTC)

| | | | |
|------------|------------------|-----------------|------------------|
| Event | 12/10/2022 02:30 | Situation as of | 15/10/2022 20:48 |
| Activation | 12/10/2022 08:17 | Map production | 16/10/2022 |



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EUROPEAN UNION

