

Camden - AUSTRALIA

Flood - Situation as of 05/07/2022

Delineation MONIT02 - Overview map 01

Cartographic Information

1:53000

Full color A1, 200 dpi resolution



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



Crisis Information

Flooded Area
(05/07/2022 19:16 UTC)
Previous Flooded Area
(05/07/2022 07:59 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

Reservoir
River

Facilities

Power and communication line
Navigable canal

Dam
Berthing Structure

Construction for mining or extraction
Sport and recreation constructions

Dump Site
Dam

Settling Basin

Transportation

Primary Road
Secondary Road

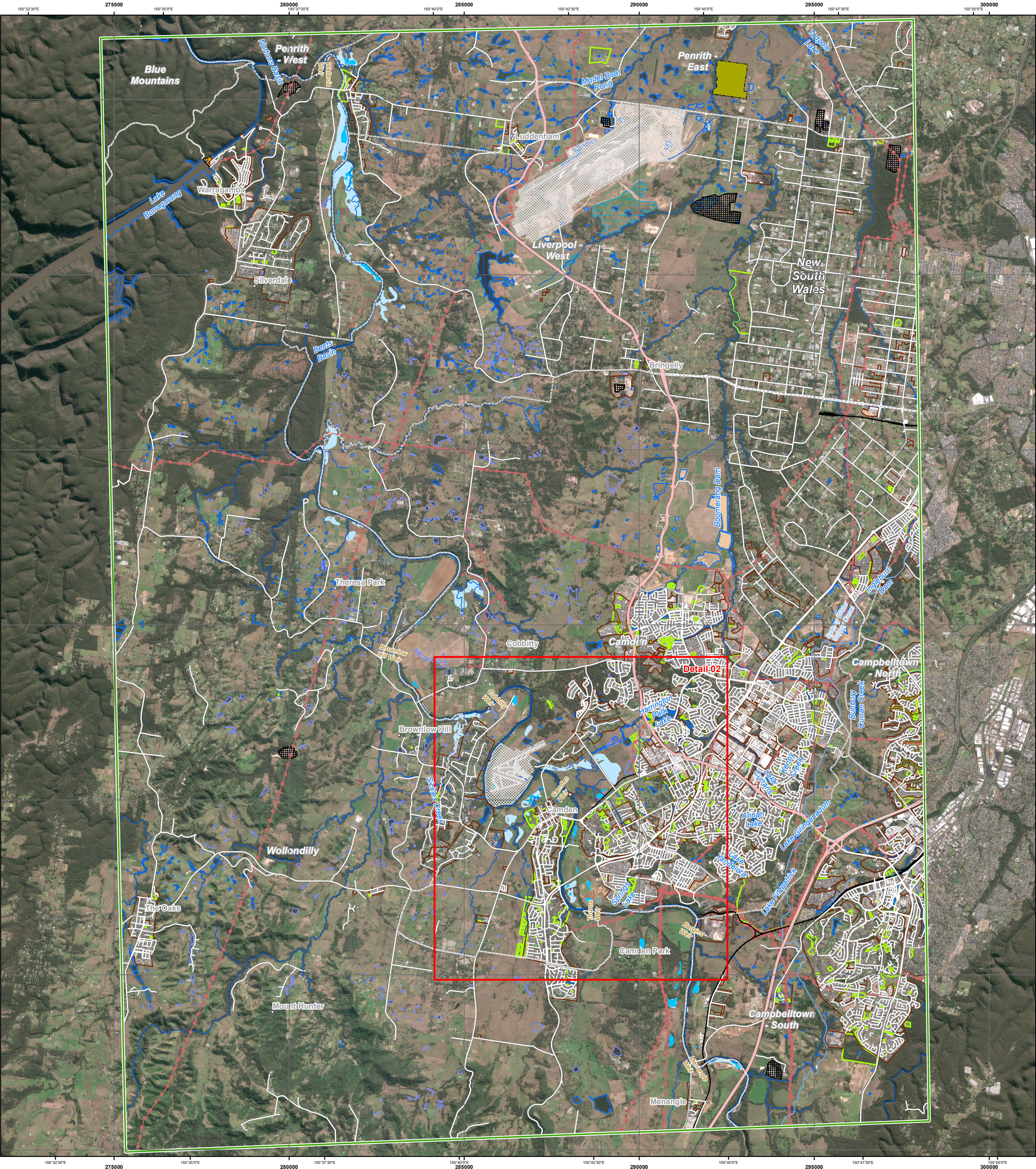
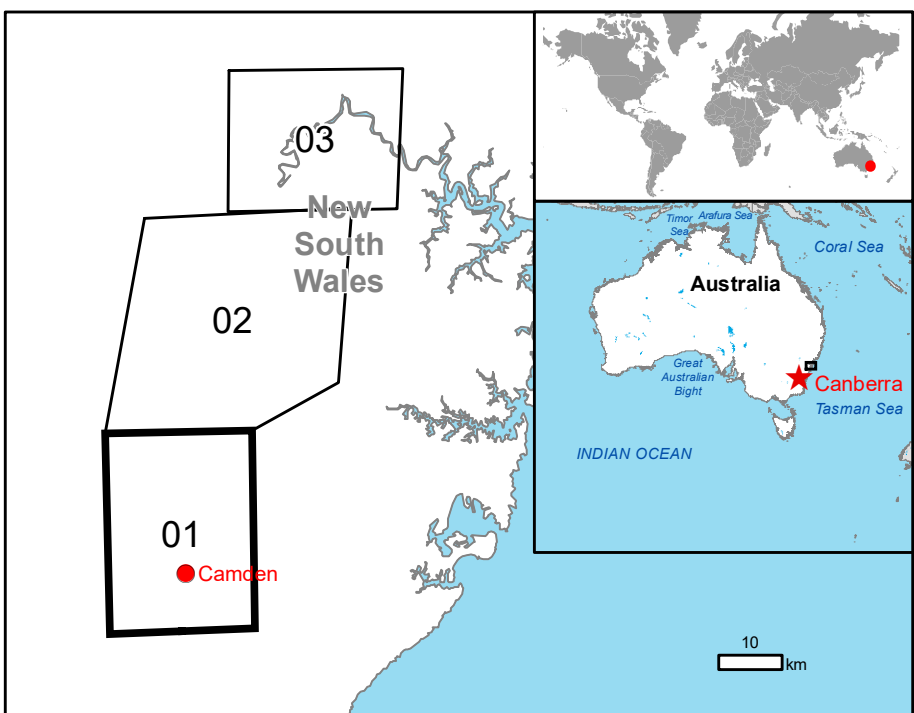
Long-distance railway
Airfield runway

Physiography & Land Use - Land Cover

Features available in the vector package

Consequences within the AOI		Affected	Total in AOI
Flooded area	ha		74.0
Previous flooded area	ha		355.0
Estimated population		14	142,118
Built-up	ha	0.0	7,233.8
Transportation	km	0.0	2,430.3
	ha	0.6	959.9
Facilities	km	0.0	265.7
	ha	0.0	1,661.9
Land use	ha	74.0	73,078.6

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 Camden (Australia). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The scale of analysis is 1:53000. 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.

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 COPENICUS by the European Union and ESA.
Post-event image: COSMO-SkyMed © ASI (2022), distributed by e-GEOS S.p.A. (acquired on 05/07/2022 at 07:09 UTC, GSD 10.0 m), provided under COPENICUS by the European Union and ESA, all rights reserved.
Sentinel-1A/B (2022) (acquired on 05/07/2022 at 19:16 UTC, GSD 10 m) provided under COPENICUS by the European Union and ESA.
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
Digital Elevation Model: SRTM (90 m) provided under COPENICUS by the European Union and ESA, all rights reserved.

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/emr586>

Jrc-ems-rapidmapping@ec.europa.eu
© European Union
For full Copyright notice visit <https://emergency.copernicus.eu/mapping/ems-cite-copernicus-ems-mapping-portal>

Relevant date records (UTC)

Event	03/07/2022 00:00	Situation as of	05/07/2022 19:16
Activation	03/07/2022 08:40	Map production	07/07/2022



PROGRAMME OF THE
EUROPEAN UNION

