

Nanami - AUSTRALIA

Flood - Situation as of 14/11/2021

Delineation MONIT01 - Overview map 01

Cartographic Information

1:17000

Full color A1, 200 dpi resolution

0 0.5 1 km

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

Crisis Information

Flooded Area
(14/11/2021 06:52 UTC)

Previous Flooded Area
(13/11/2021 19:37 UTC)

General Information

Area of Interest

Image Footprint

Placenames

Placename

Built-Up Area

Non-residential farm

Facilities

Construction for mining or extraction

Hydrography

Stream

Lake

Reservoir

River

Stream

Transportation

Secondary Road

Local Road

Cart Track

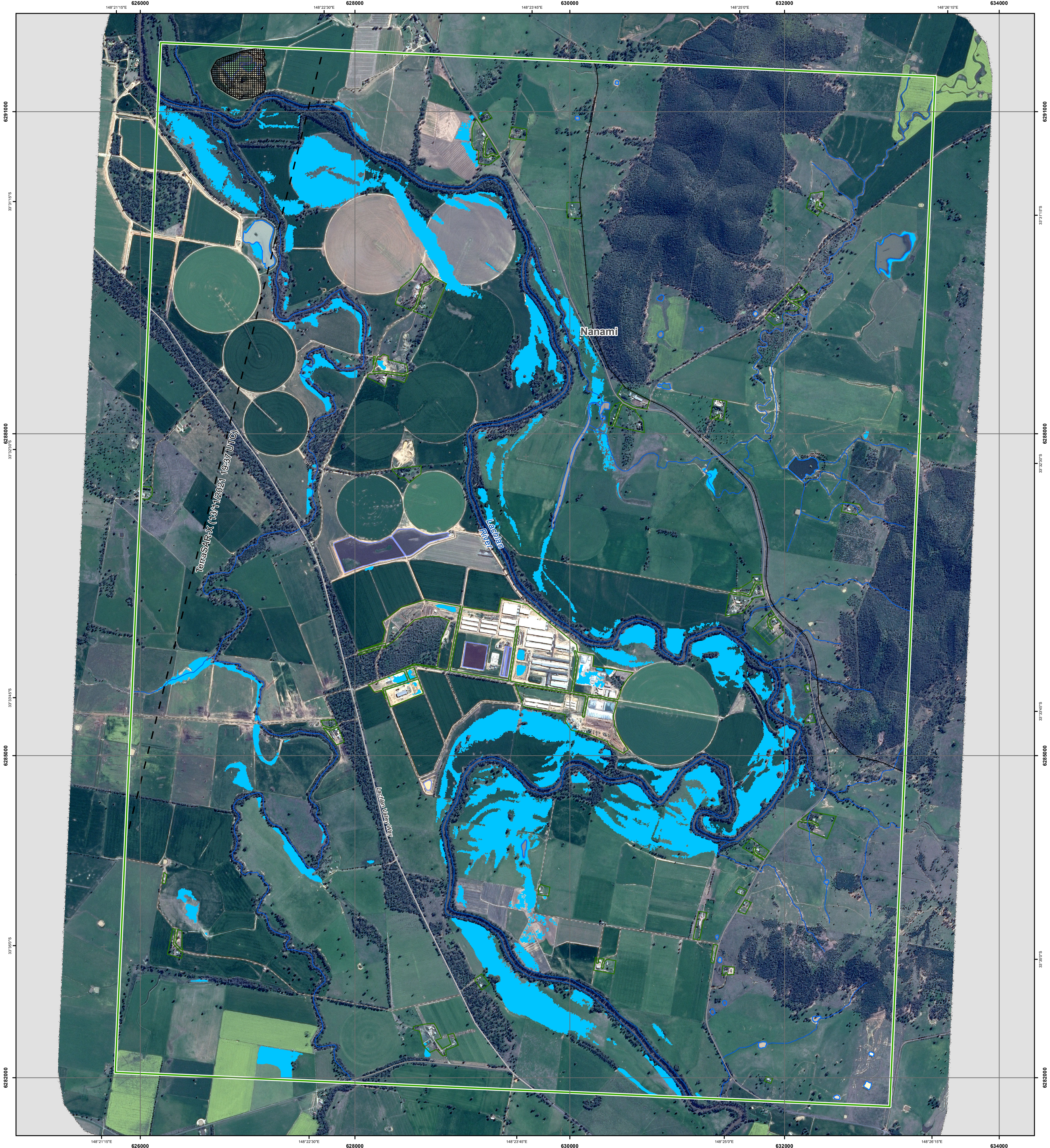
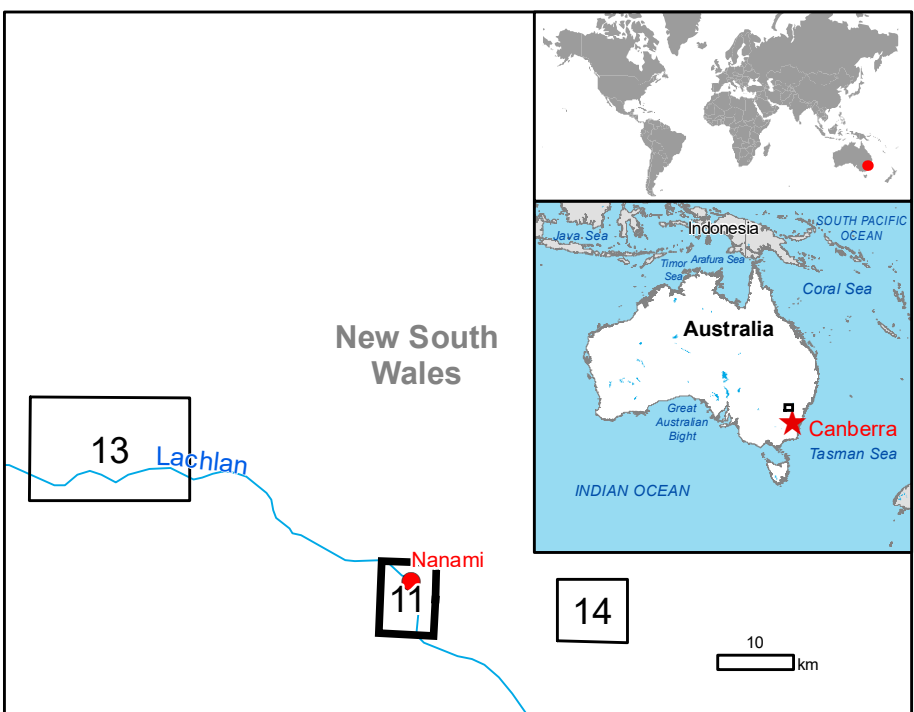
Long-distance railway

Land Use - Land Cover

Features available in the vector package

Legend

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Previous flooded area	ha		204.1
Flooded area	ha		564.9
Estimated population	Number of inhabitants	0	76
Built-up	Non-residential farm buildings	ha	3.0
Transportation	Secondary Road	km	0.0
	Local Road	km	0.0
	Cart Track	km	0.1
	Long-distance railways	km	0.0
Facilities	Constructions for mining or extraction	ha	0.0
Land use	Heterogeneous agricultural areas	ha	312.9
	Forests	ha	0.0
	Shrub and/or herbaceous vegetation association	ha	6.5
	Inland wetlands	ha	9.7
	Other	ha	1.9



Map Information

The Australian Bureau of Meteorology advise that a severe weather pattern is crossing Australia and has the potential to produce flooding events across wide areas in the coming days. It is expected that New South Wales will be severely impacted, as many areas in the state have received recent rainfall that has saturated the upper levels of soil and significantly increased regional dam levels. The European Delegation to Australia in relation with the Australian Emergency Service from the Home Affairs Department, triggered the Copernicus EMS Rapid Mapping Service to monitor the flood evolution over the potentially affected areas.

The present map shows the flood delineation in the area of Nanami (Australia). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. "Not analysed" indicates an area that could not be analysed in any of the post-event images. The scale of analysis is 1:15000. The estimated geometric accuracy (RMSE) is 6 m or better, from native positional accuracy of the background satellite image. The minimum mapping unit (MMU) is 576 sq m.

Data sources

Pre-event image: SPOT6/7 © Airbus DS (2021), (acquired on 10/09/2021 at 23:43 UTC, GSD 1.5 m, approx. 0% cloud coverage in AOI, 16.54° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Post-event image: TerraSar-X © Infoterra GmbH (acquired on 13/11/2021 at 19:37 UTC, GSD 3.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
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Base vector layers: OpenStreetMap © OpenStreetMap contributors (2021), Wikimapia.org, GeoNames 2015, Globe Land 30 (2020), 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

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 SERTIT released by e-GEOS (ODO).

For the latest version of this map and related products visit
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Relevant date records (UTC)

Event	10/11/2021 15:00	Situation as of	14/11/2021 06:52
Activation	10/11/2021 12:34	Map production	14/11/2021