

LOUGH GARRA - IRELAND

Flood - Situation as of 02/03/2020

Delineation - Overview map 01

Cartographic Information

1:50000

Full color A1, 200 dpi resolution

0 1 2 4 km

Grid: WGS 1984 UTM Zone 29N map coordinate system
Tick marks: WGS 84 geographical coordinate system



Crisis Information

Flooded Area
(02/03/2020 06:55 UTC)

General Information

Area of Interest

Administrative boundaries

Municipality

Placenames

Placename

Built-Up Area

- Residential
- Traffic and communication
- Industrial
- Building used as place of worship and for religious activities

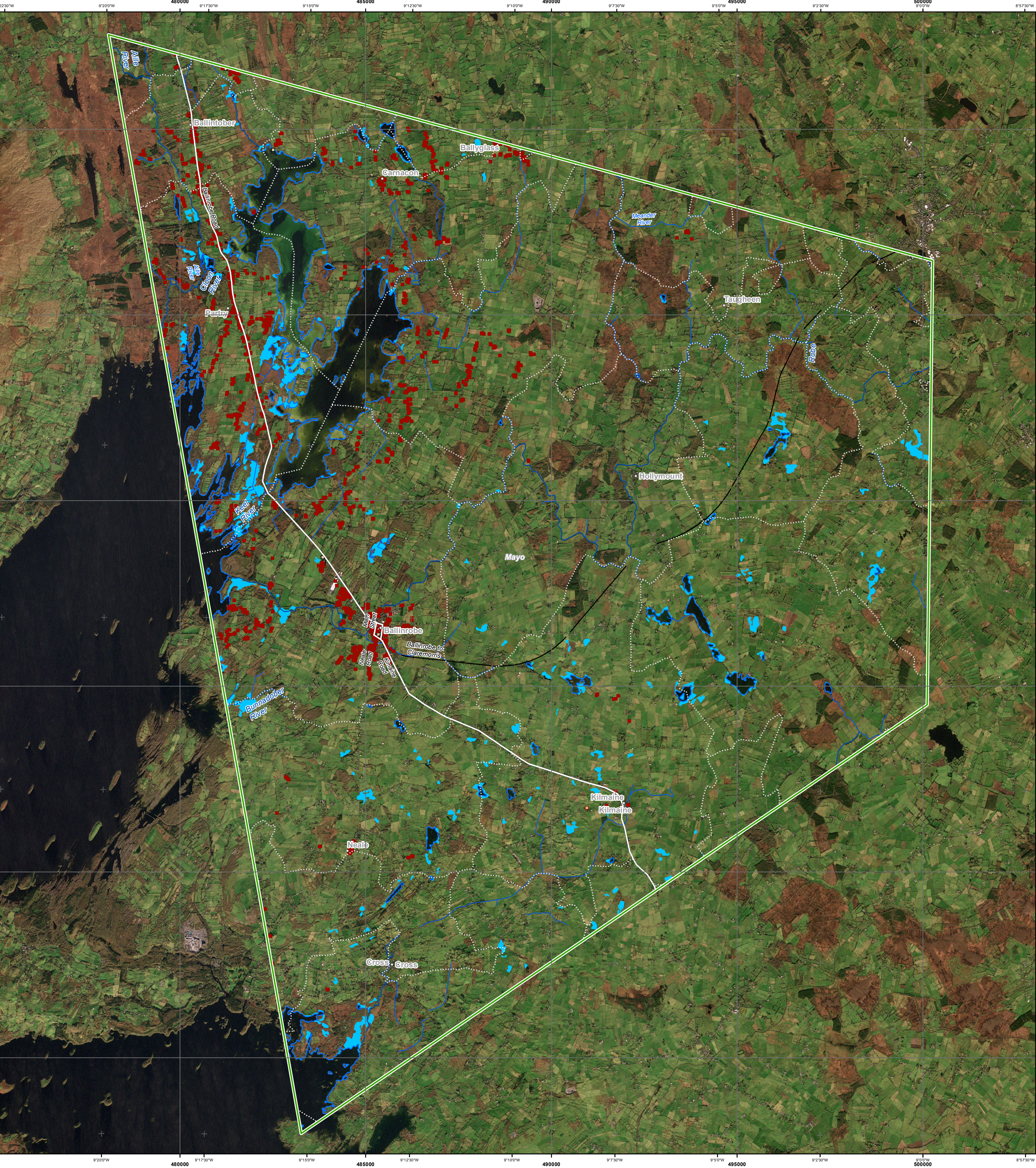
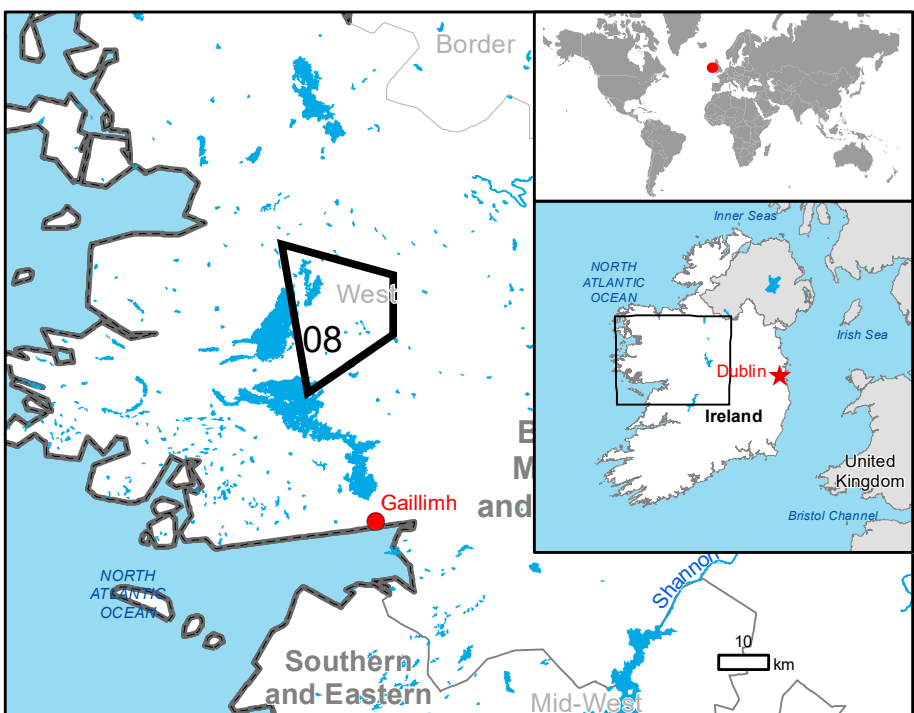
Hydrography

- River
- Stream
- Lake
- Primary Road
- Long-distance railway

Transportation

Legend

Consequences within the AOI			
Flooded Area	Unit of measurement	Affected	Total in AOI
		ha	656.9
Estimated population	Number of inhabitants	No.	11317
		No.	0
		No.	0
		No.	0
Settlements	Number of inhabitants	No.	0
		No.	0
		No.	0
		No.	1
		No.	1
		No.	1
Transportation	Unit of measurement	km	0.0
		km	0.3
		km	0.2
		km	2.4
		km	0.0
		km	0.0



Map Information

The Clare county was one of the worst affected areas during the flooding periods in 2015 and 2009. Since 20 February Ireland has been experiencing a series of Atlantic storms. Water levels along the River Shannon and River Fergus have risen after another night of heavy rain on 24 February. National authorities have issued a flood warning for the counties along the River Shannon and Rivers Fergus and Claunrenagh. A number of houses in Co. Clare village have been evacuated. A yellow snow and ice warning has been issued for the next days (until 26 February).

The present map shows the flood delineation in the area of Lough Garra (Ireland). 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 estimated geometric accuracy (RMSE) is 2.5 m or better, from native positional accuracy of the background satellite image.

Data sources

Pre-event image: Sentinel-2A/B (2019) (acquired on 15/11/2019 at 11:56 UTC, GSD 10.0 m) provided under Copernicus by the European Union and ESA.
Post-event image: Sentinel-1A/B (2020) (acquired on 02/03/2020 at 06:55 UTC, GSD 20.0 m, approx. 0% cloud coverage in AOI) provided under Copernicus by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, Corine Land Cover (CLC) 2012, Globe Land 30 (2010), Global Administrative Areas (2012), refined by the producer.
Inset maps: JRC 2013, EuroBoundaryMap 2017 © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2019
https://ghsl.jrc.ec.europa.eu/ghs_pop2019.php
Digital Elevation Model: SRTM (30 m) (NASA/USGS)

Disclaimer

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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/EMSR429

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Relevant date records (UTC)

Event	20/02/2020 17:00	Situation as of	02/03/2020 06:55
Activation	24/02/2020 18:56	Map production	02/03/2020

