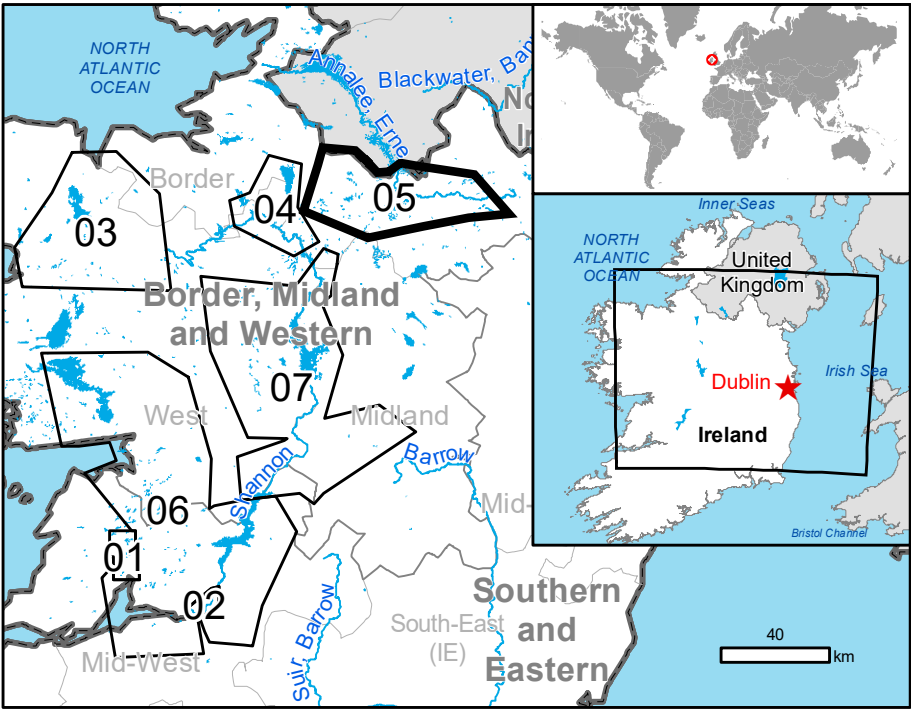


Erna - IRELAND

Flood - Situation as of 26/02/2020

Delineation - Overview map 01



Cartographic Information

1:120000 Full color A1, 200 dpi resolution



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

Legend

Crisis Information	Hydrography	Transportation
■ Flooded Area (26/02/2020 06:47 UTC)	— River	— Primary Road
■ Area of Interest	— Stream	— Secondary Road
— Administrative boundaries	— Island	— Local Road
— Region	— Lake	— Long-distance railway
— River		
○ Placename		
— Built-Up Area		
— Built-Up Area		

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Flooded area	ha	1277.2	48848
Estimated population	Number of inhabitants		
Settlements			
Residential Buildings	ha	0.3	1196.4
Industrial buildings	ha	0.0	216.1
Transportation			
Primary Road	km	0.0	95.8
Secondary Road	km	0.0	366.6
Local Road	km	0.0	523.6
Long-distance railways	km	0.6	94.4

Map Information

The Clare county was one of the worst affected areas during the flooding periods in 2015 and 2019. 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 Claureen. 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 28 February).

The present map shows the flood delineation in the area of Erna (Ireland). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 20 m or better, from native positional accuracy of the background satellite image.

Relevant date records (UTC)

Event	20/02/2020 17:00	Situation as of	26/02/2020 06:47
Activation	24/02/2020 18:56	Map production	27/02/2020

Data sources

Pre-event image: Sentinel-2B (2018) (acquired on 30/06/2018 at 11:43 UTC, GSD 10.0 m, approx. 1% cloud coverage in AoI, 5.7° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Post-event image: Sentinel-1A (2020) (acquired on 26/02/2020 at 06:47 UTC, GSD 10.0 m) provided under COPERNICUS by the European Union and ESA.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, 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: EU-DEM (25 m)

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 SIRS released by e-GEOS (ODD).

For the latest version of this map and related products visit
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