GLIDE number: N/A
Int. Charter call ID: N/A

Activation ID: EMSR429
Product N.: 01ENNIS, v2

ENNIS - IRELAND

Flood - Situation as of 23/02/2020

Delineation - Overview map 01

Cartographic Information

1:30000

Full color A1, 200 dpi resolution

0 0.5 1 2 km

N

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

Legend

Crisis Information
- Flooded Area (23/02/2020 18:22 UTC)

General Information
- Area of Interest

Administrative boundaries
- Municipality

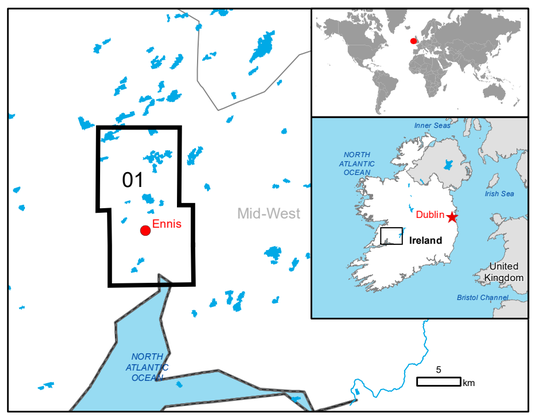
Placenames
- Placename

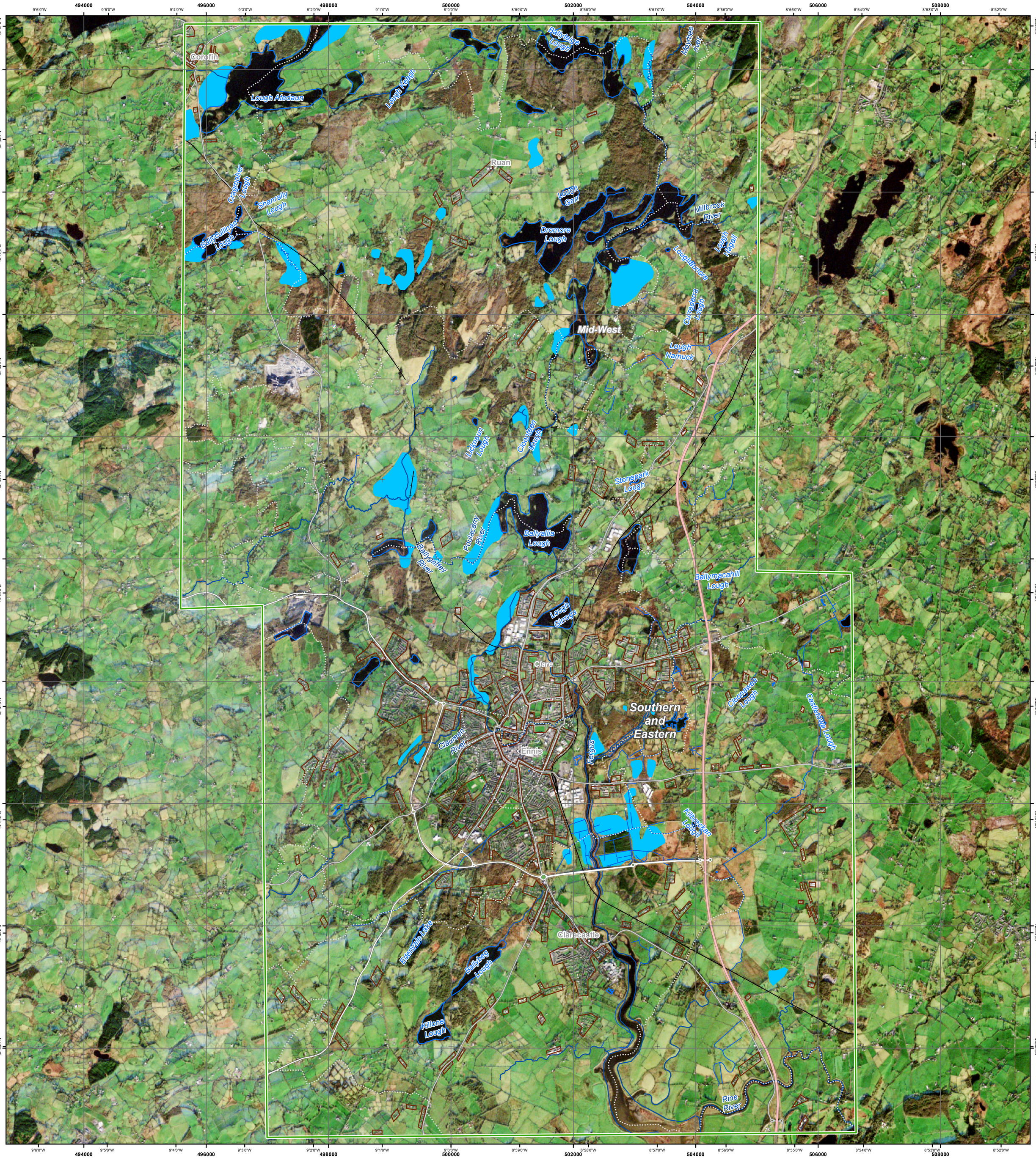
Built-Up Area
- Residential

Hydrography
- River
- Stream
- Lake
- River

Transportation
- Highway
- Primary Road
- Secondary Road
- Long-distance railway

Consequences within the AOI				
	Unit of measurement		Affected	Total in AOI
Riverine flood	ha		419.9	
Estimated population	Number of inhabitants		29946	
Settlements	Residential Buildings	ha	0.1	892.4
Transportation	Highways	km	0.0	30.3
	Primary Road	km	0.0	24.1
	Secondary Road	km	0.0	63.6
	Long-distance railways	km	0.9	27.2





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 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 26 February).

The present map shows the flood delineation in the area of Ennis (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 (2020) (acquired on 19/01/2020 at 11:54 UTC, GSD 10.0 m, approx. 0% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA.
Post-event image: Sentinel-1A/B (2020) (acquired on 23/02/2020 at 18:22 UTC, GSD 10.0 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

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/EMSR429

jrc-ems-rapidmapping@ec.europa.eu
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Relevant date records (UTC)

Event	20/02/2020 17:00	Situation as of	23/02/2020 18:20
Activation	24/02/2020 18:56	Map production	25/02/2020