

ENNIS - IRELAND

Flood - Situation as of 26/02/2020
Delineation MONIT02 - Overview map 01

Cartographic Information


1:30000


Full color A1, 200 dpi resolution

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



Crisis Information

 Flooded Area
(26/02/2020 06:47 UTC)

 Previous Flooded Area
(25/02/2020 06:55 UTC)

General Information



Area of Interest

Image Footprint

Administrative boundaries

..... Municipality








Placenames

◊ Placename

Built-Up Area

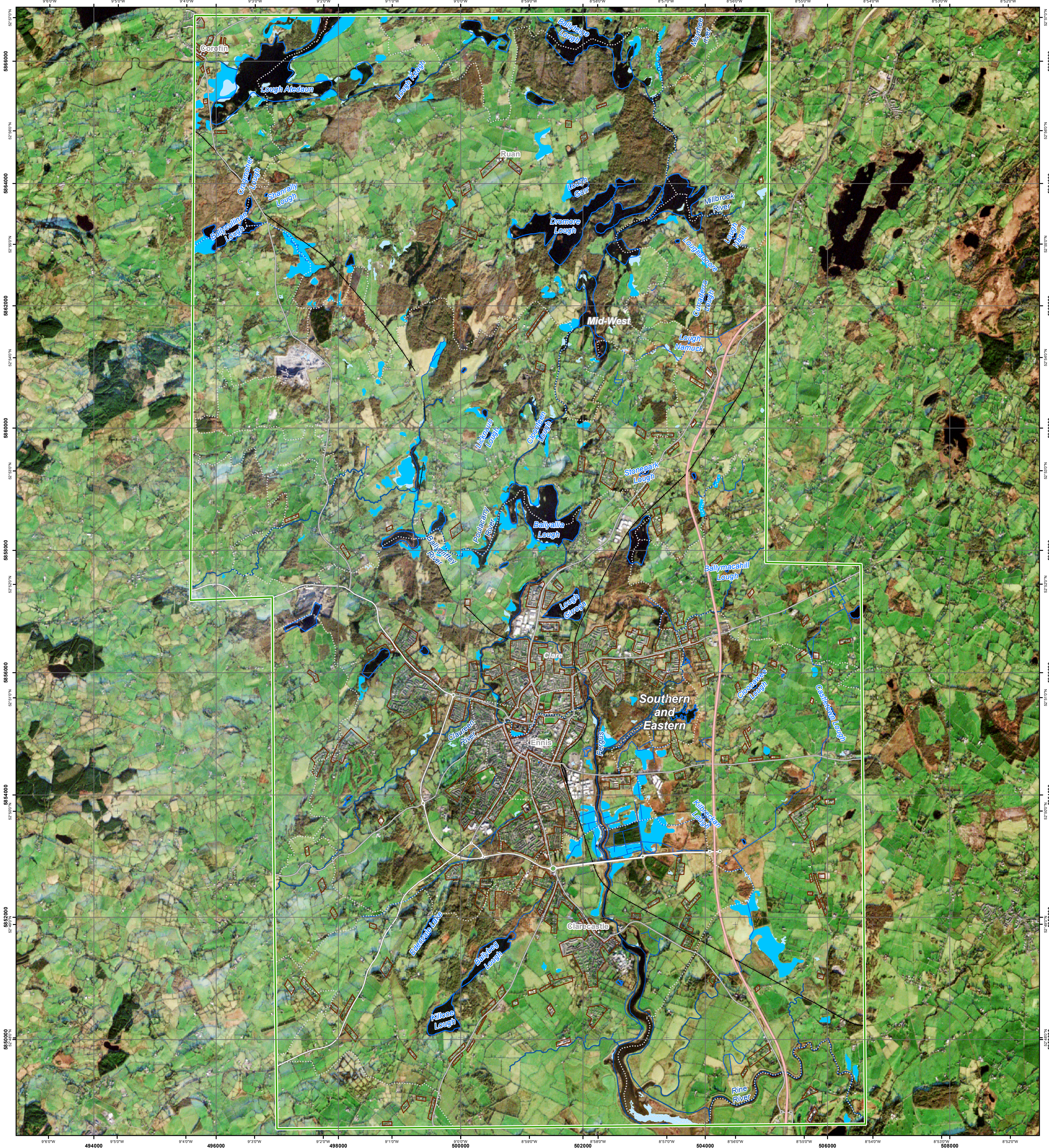
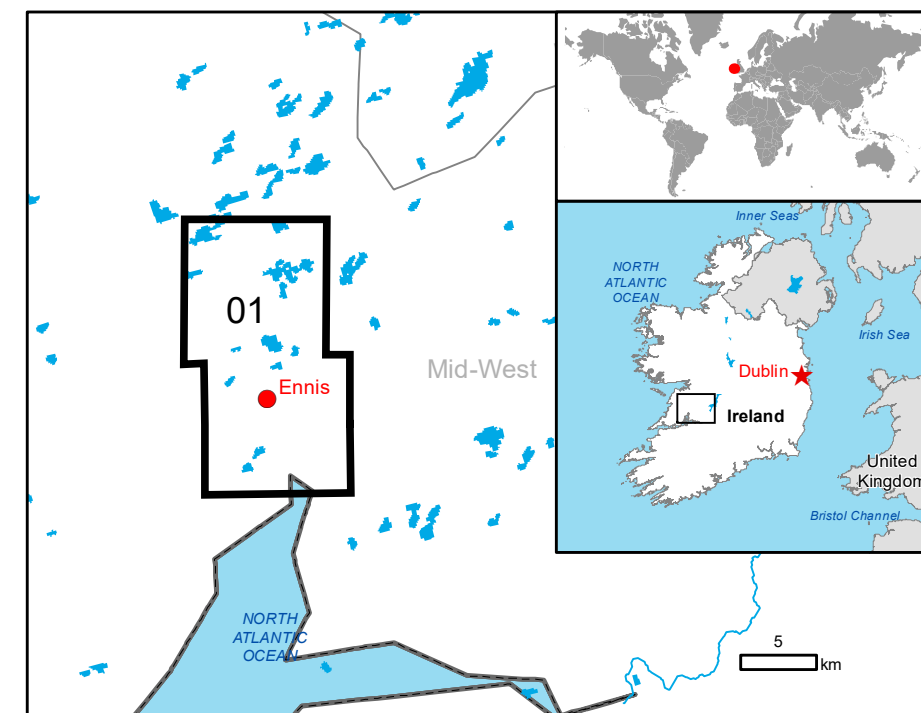
☐ Residential

Hydrography

 River
 Stream
 Lake
 River
Transportation
 Highway
 Primary Road
 Secondary Road
 Long-distance railway

Legend

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha	353.8	
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	23.2
	Secondary Road	km	0.1	62.5
	Long-distance railways	km	0.5	26.3



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 26/02/2020 at 06:47 UTC, GSD 10.0 m, approx. 0% cloud coverage in AoI) provided under COPERNICUS by the European Union and ESA, all rights reserved.

Sentinel-1A/B (2020) (acquired on 25/02/2020 at 06:55 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

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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	26/02/2020 06:47
Activation	24/02/2020 18:56	Map production	26/02/2020

