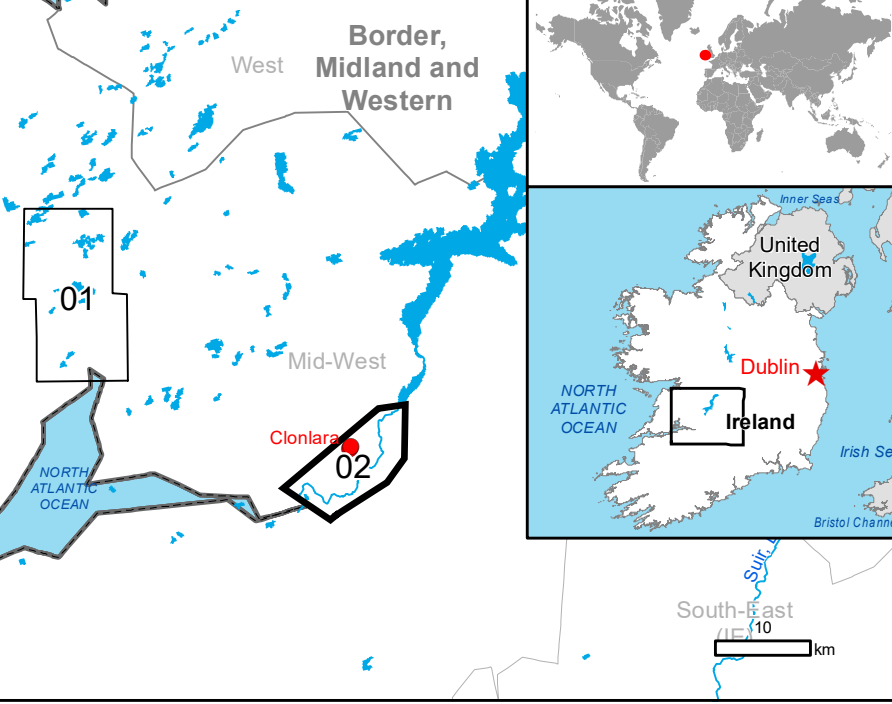


Springfield Clonlara - IRELAND

Flood - Situation as of 25/02/2020

Delineation MONIT01 - Overview map 01



Cartographic Information

1:25000

Full color A1, 200 dpi resolution

0 0.5 1 2 km

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

Legend

Crisis Information	Hydrography	Transportation
<div><div></div>Flooded Area (25/02/2020 06:55 UTC)</div> <div><div></div>Flooded Area (23/02/2020 18:22 UTC)</div>	<div><div></div>River</div> <div><div></div>Stream</div> <div><div></div>Island</div> <div><div></div>Lake</div> <div><div></div>River</div>	<div><div></div>Highway</div> <div><div></div>Secondary Road</div> <div><div></div>Local Road</div> <div><div></div>Cart Track</div> <div><div></div>Long-distance railway</div>
General Information		
<div><div></div>Area of Interest</div> <div><div></div>Administrative boundaries</div> <div><div></div>Region</div>		
Placenames		
<div><div></div>Placename</div> <div><div></div>Built-Up Area</div>		

Consequences within the AOI		Unit of measurement		Affected	Total in AOI
Flooded area		ha		348.1	
Estimated population		Number of inhabitants		31266	
Settlements	Residential Buildings	ha	0.0	913.5	
	Public entertainment buildings	ha	0.8	83.9	
	Multi-functional	ha	1.7	279.9	
Transportation	Highways	km	0.0	9.0	
	Secondary Road	km	0.0	44.4	
	Local Road	km	0.0	140.6	
	Cart Track	km	0.2	144.2	
	Long-distance railways	km	0.0	19.3	

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 28 February).

The present map shows the flood delineation in the area of Springfield Clonlara (Ireland). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy (RMSE) is 6.25 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	25/02/2020 06:55
Activation	24/02/2020 18:56	Map production	25/02/2020

Data sources

Pre-event image: Sentinel-2A (2020) (acquired on 19/01/2020 at 11:56 UTC, GSD 10.0 m, approx. 0% cloud coverage in AoI, 8.1° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Post-event image: Sentinel-1B (2020) (acquired on 25/02/2020 at 06:55 UTC, GSD 10.0 m) provided under COPERNICUS by the European Union and ESA.
Sentinel-1B (2020) (acquired on 23/02/2020 at 18:22 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, GeoPEG 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
<https://emergency.copernicus.eu/EMSR429>

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