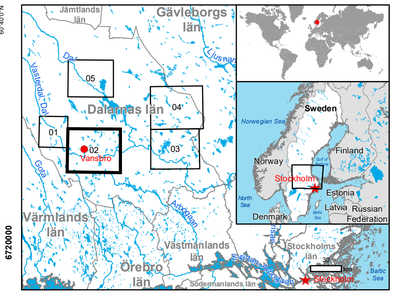
GLIDE number: N/A

Activation ID: EMSR280
Product N.: 02VANSBRO, v1, English

Vansbro - SWEDEN
Flood - Situation as of 29/04/2018
Delineation Map - MONIT03



Cartographic Information

1:78000 — Full color ISO A1, medium resolution (200 dpi)

0 1,5 3 6 km

Grid: WGS 1984 UTM Zone 33N map coordinate system
Tick marks: WGS 84 geographical coordinate system

N

Legend

Crisis Information
- Flooded Area (29/04/2018 16:37 UTC)
- Previous Flooded Area (27/04/2018 16:32 UTC)

General Information
- Area of Interest
- Image Footprint
- Placename

Administrative boundaries
- Province

Built-Up Area
- Built-Up Area

Hydrography
- River
- Stream
- Lake
- River

Physiography
- Elevation Contour (m)

Facilities
- Dam
- Construction for mining or extraction

Transportation
- Primary Road
- Secondary Road
- Local Road
- Cart Track
- Long-distance railway
- Airfield runway

Consequences within the AOI				
		Unit of measurement	Affected	Total in AOI
Flooded area		ha	854.2	
Estimated population		Number of inhabitants	10	8696
Settlements	Residential	ha	2.2	1991.9
	Multi-functional	ha	1.0	46.9
Transportation	Airfield runway	No.	1	1
	Primary Road	km	0.1	135.1
	Secondary Road	km	0.0	32.0
	Local Road	km	0.1	353.7
	Cart Track	km	1.4	1129.6
	Long-distance railway	km	6.3	137.1
Facilities	Dam	No.	0	2.0
	Construction for mining or extraction	ha	2.3	24.0

Map Information

Deep snow has accumulated in Sweden during the winter and is now producing floods in the region of Dalarna during its melt. The floods are estimated to reach its maximum in the coming days and flooded rivers could affect residential areas.

The present map shows the flood delineation in the area of Vansbro (Sweden). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The estimated geometric accuracy is 5 m CE90 or better, from native positional accuracy of the background satellite image.

Relevant date records			
Event	21/04/2018	Situation as of	29/04/2018
Activation	21/04/2018	Map production	29/04/2018

Data Sources

Pre-event image: Sentinel 2A (2017) (acquired on 06/07/2017 at 10:20 UTC, GSD 10 m, approx. 1.6% cloud coverage in AoI, 9.8° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Sentinel 2B (2017) (acquired on 26/08/2017 at 10:40 UTC, GSD 10 m, approx. 2.8% cloud coverage in AoI, 9.4° off-nadir angle) provided under COPERNICUS by the European Union and ESA.
Post-event image: Sentinel-1B (2018) (acquired on 29/04/2018 at 16:37 UTC, GSD 10 m) provided under COPERNICUS by the European Union and ESA.
RADARSAT 2 Data and products © MacDonald, Dettwiler and Associates Ltd. (2018) (acquired on 27/04/2018 at 16:32 UTC, GSD 5 m) – RADARSAT is an official mark of the Canadian Space Agency – provided under COPERNICUS by the European Union and ESA, all rights reserved.

Base vector layers: OpenStreetMap © OpenStreetMap contributors, Wikimapia.org, GeoNames 2015, refined by the producer.
Inset maps: JRC 2013, © EuroGeographics, Natural Earth 2012, CCM River DB © EUJRC2007, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015 http://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_r2015a.

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.
Map produced by SIRS released by SERTIT (ODO).

For the latest version of this map and related products visit
http://emergency.copernicus.eu/EMSR280

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