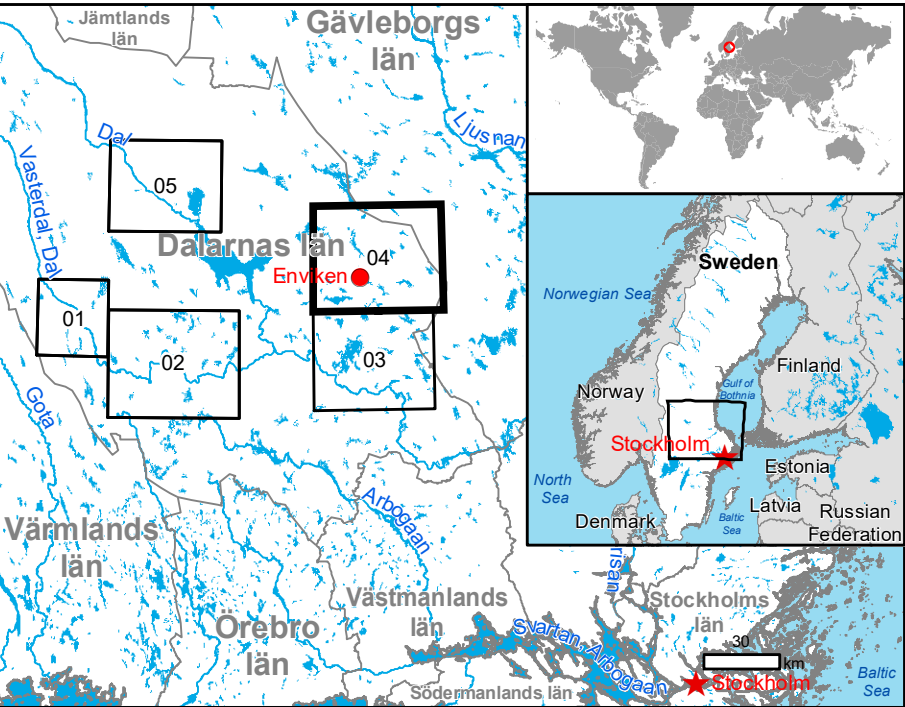


GLIDE number: N/A Activation ID: EMSR280
Product N.: 04ENVIKEN, v2, English

Enviken - SWEDEN

Flood - Situation as of 13/05/2018

Delineation Map - MONIT05



Cartographic Information

1:780000 Full color ISO A1, medium resolution (200 dpi)



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

Legend

- Crisis Information**
 - Flooded Area (13/05/2018 16:39 UTC)
 - Previous Flooded Area (10/05/2018 04:32 UTC)
- General Information**
 - Area of Interest
 - Image Footprint
 - Not Analysed - No data
- Placenames**
 - Placename
- Administrative boundaries**
 - Region
 - Province
- Built-Up Area**
 - Built-Up Area
- Hydrography**
 - River
 - Stream
 - Island
 - Lake
 - Reservoir
- Physiography**
 - Elevation Contour (m)
- Facilities**
 - Construction for mining or extraction
- Transportation**
 - Primary Road
 - Secondary Road
 - Long-distance railway

Consequences within the AOI			
		Unit of measurement	
Flooded area		ha	693.8
Estimated population		Number of inhabitants	106 6421
Settlements	Residential	ha	4.8 815
	Transportation		
	Primary Road	km	1.4 65.4
	Secondary Road	km	1.8 120.8
	Long-distance railway	km	0.2 54.6
Facilities	Construction for mining extraction	ha	0.0 4.1

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 Enviken (Sweden). The thematic layer has been derived from post-event satellite image using a semi-automatic approach. The thematic analysis is limited due to presumed snow and/or ice cover in the area, this means that many flood waters do not appear in SAR image. 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	13/05/2018
Activation	21/04/2018	Map production	25/06/2018

Data Sources
Pre-event image: Sentinel 2A (2017), (acquired on 06/07/2017 at 10:20 UTC, GSD 10.0 m, 0% approx. cloud coverage in AOI), provided under COPERNICUS by the European Union, ESA and European Space Imaging, all rights reserved.
Post-event image: COSMO-SkyMed ASI (2018), distributed by e-GEOS S.p.A. (acquired on 10/05/2018 at 04:32 UTC, GSD 5.0 m), provided under COPERNICUS by the European Union and ESA, all rights reserved.
COSMO-SkyMed ASI (2018), distributed by e-GEOS S.p.A. (acquired on 13/05/2018 at 16:39 UTC, GSD 5.0 m), 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, CC RMV DB © EURC2007, GeoNames 2013.

Population data: GH5 Population Grid © European Commission, 2015
http://data.europa.eu/89h/jrc-ghs-ghs_pop_gpw4_globe_r2015a.
Digital Elevation Model: EU-DEM (25 m)

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 e-GEOS (ODD).

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

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