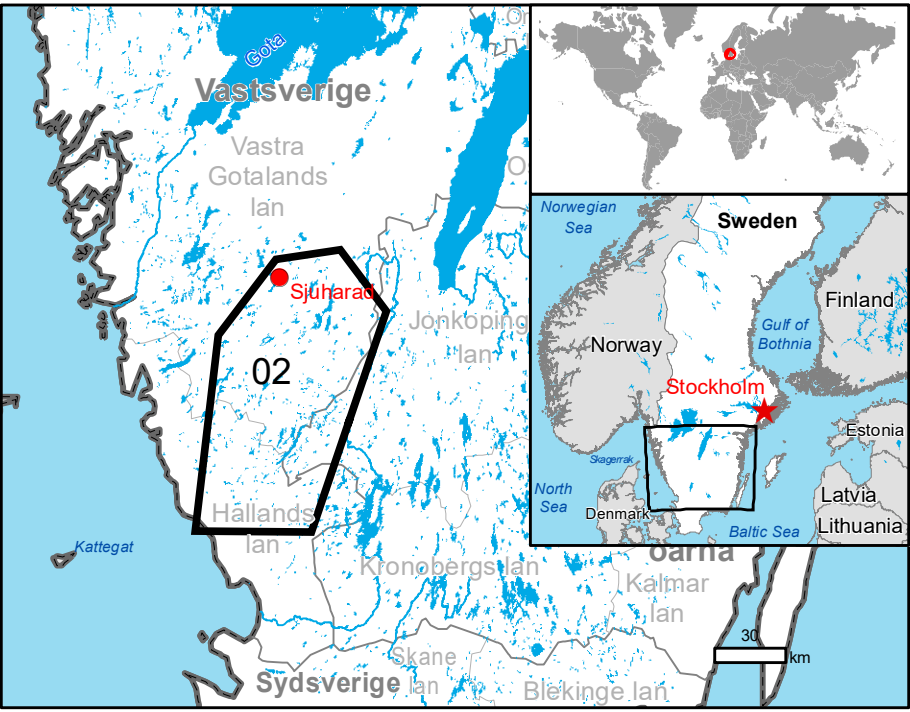


Legend

Crisis Information	Hydrography	Transportation
Flooded Area (28/02/2020 16:52 UTC)	Coastline	Highway
Previous Flooded Area (22/02/2020 16:53 UTC)	River	Primary Road
	Stream	Secondary Road
	Lake	Long-distance railway
	Reservoir	Airfield runway
		Helipad

Consequences within the AOI			
	Unit of measurement	Affected	Total in AOI
Flooded area	ha	996.3	996.3
Estimated population	Number of inhabitants	221749	221749
Transportation	Helipad	ha	0.0
	Airfield runways	km	0.0
	Highways	km	0.0
	Primary Road	km	0.0
	Secondary Road	km	0.0
Long-distance railways	km	0.0	0.0



Sjuharad - SWEDEN

Flood - Situation as of 28/02/2020

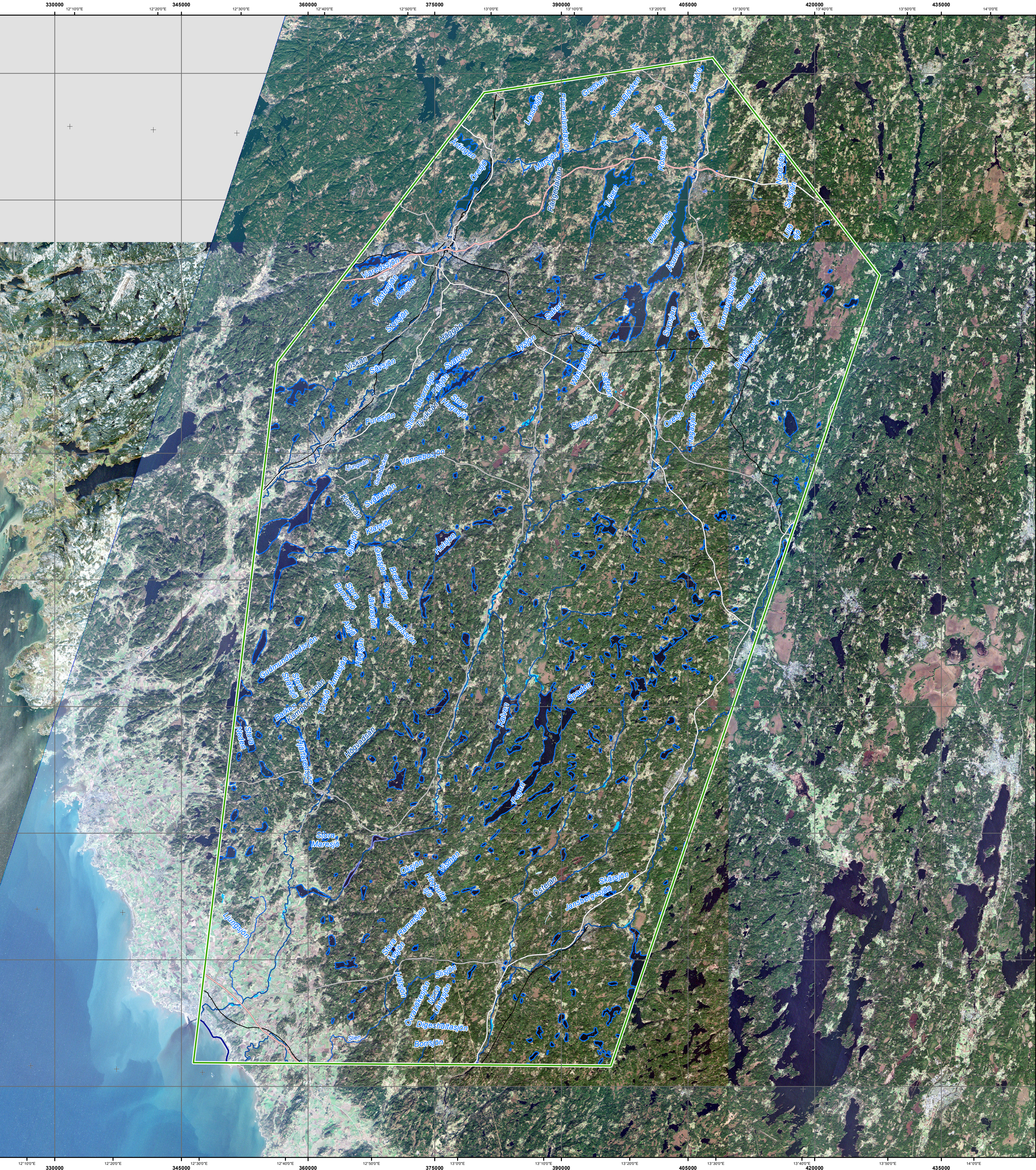
Delineation MONIT03 - Overview map 01

Cartographic Information

1:220000 Full color A1, 200 dpi resolution

0 5 10 20 km

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



Map Information

The recent storms Ciara and Dennis have affected western Sweden with rising water levels and floods. More rainfall is expected during the coming week. Warnings from the Swedish Meteorological and Hydrological Institute are currently at level 1-2 but are expected to be increased to level 3 for some regions due to increased rainfall during the coming days.

The present map shows the flood delineation in the area of Sjuharad (Sweden). 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 15 m or better, from native positional accuracy of the background satellite image.

Data sources

Pre-event image: Sentinel-2A/B (2020) (acquired on 22/01/2020 at 10:23 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 28/02/2020 at 16:52 UTC, GSD 10.0 m) provided under COPERNICUS by the European Union and ESA.
Sentinel-1A/B (2020) (acquired on 22/02/2020 at 16:53 UTC, GSD 10 m) provided under COPERNICUS by the European Union and ESA.

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_popup2019.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/EMSR427>

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

Event	18/02/2020 12:00	Situation as of	28/02/2020 16:52
Activation	18/02/2020 14:34	Map production	29/02/2020