

Tornio Central- FINLAND
Flood - Situation as of 17/05/2018
Delineation Map

Cartographic Information

1:22000

Full color ISO A1, medium resolution (200 dpi)

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 35N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information

Flooded Area
(17/05/2018 05:18 UTC)

General Information

Area of Interest

Placenames

Placename

Administrative boundaries

International Boundary

Hydrography

Coastline

River

Stream

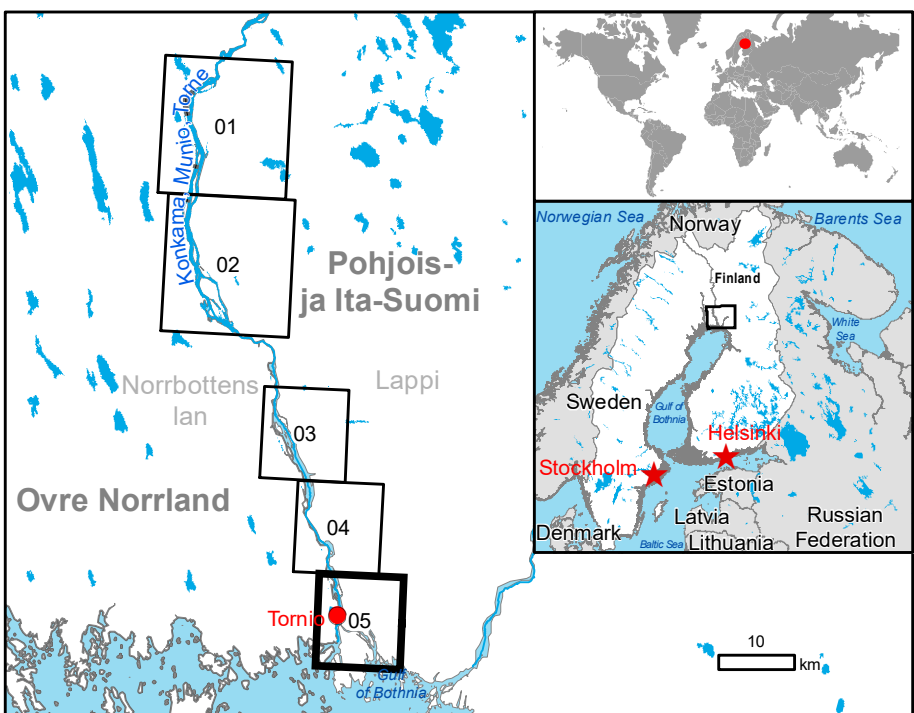
Lake

Land Subject to Inundation

Open Water

River

Consequences within the AOI		
	Unit of measurement	Total in AOI
Flooded area	ha	125.9



Map Information

Extensive spring flooding is expected in the Finnish Lapland due to the snow melt made worse by the warm temperatures and the intermittent rains. The floods are estimated to reach the maximum in the coming days and flooded rivers could affect residential areas in Tornio.

The present map shows the flood delineation Tornio Central (Finland). 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.

Data Sources

Pre-event image: Sentinel 2A/B (2017) (acquired on 13/06/2017 at 10:10 UTC, GSD 10 m, approx. 0% cloud coverage in AOI, 0° off-nadir angle) provided under COPERNICUS by the European Union and ESA.

Post-event image: RADARSAT 2 Data and products © MacDonald, Detwiler and Associates Ltd. (2018) (acquired on 17/05/2018 at 05:18 UTC, GSD 8.0 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-ghs-ghs_pop_gpw4_globe_r2015a.
Digital Elevation Model: EU-DEM (25 m)

Disclaimer

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Map produced by GAF AG released by e-GEOS (ODO).
For the latest version of this map and related products visit <http://emergency.copernicus.eu/EMSR284>

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Relevant date records			
Event	17/05/2018	Situation as of	17/05/2018
Activation	15/05/2018	Map production	15/06/2018