

YLITORNIO NORTHERN - FINLAND
Flood - Situation as of 18/05/2018
Delineation Map - MONIT01

Cartographic Information

1:32000

Full color ISO A1, medium resolution (200 dpi)

0 0.5 1 2 km

Grid: WGS 1984 UTM Zone 34N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

Crisis Information

- Flooded Area (18/05/2018 03:21 UTC)
- Previous Flooded Area (17/05/2018 15:49 UTC)

General Information

- Area of Interest

Placenames

- Placename

Administrative boundaries

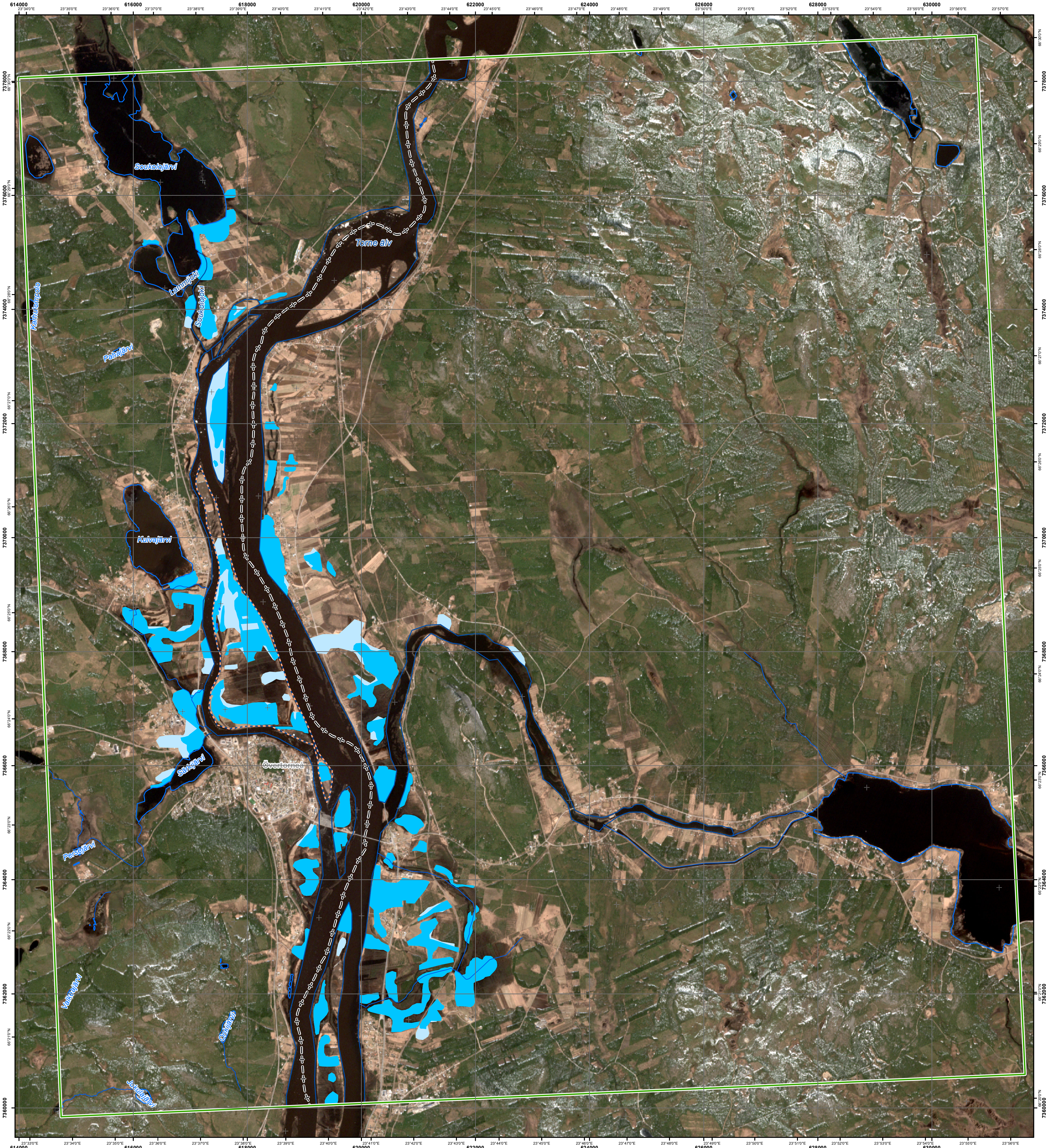
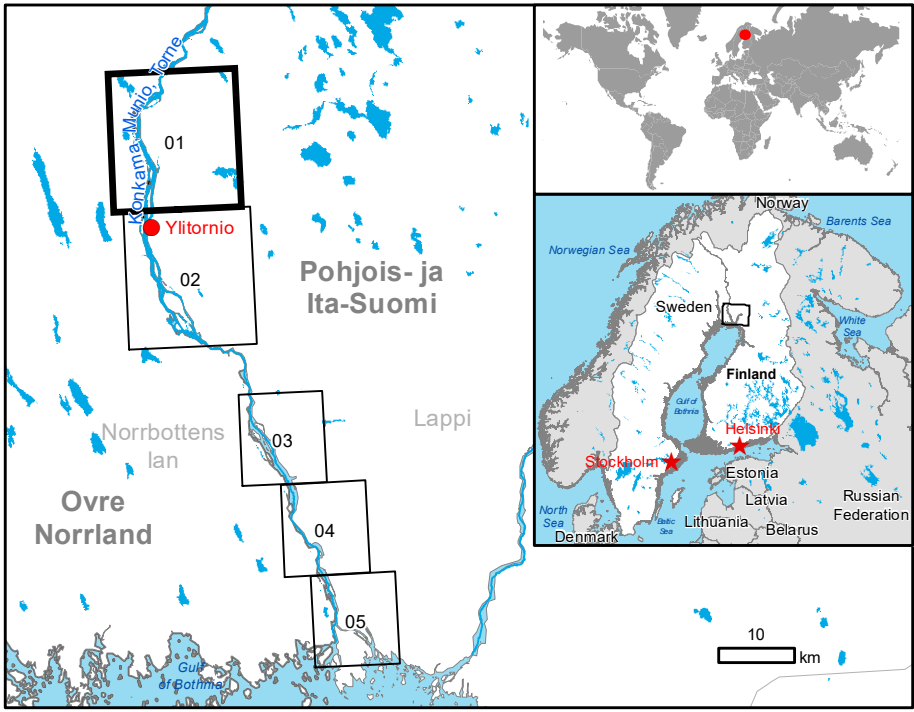
- International Boundary

Hydrography

- River
- Stream
- Island
- Lake
- River

Consequences within the AOI

Flooded area	Unit of measurement	Affected	Total in AOI
	ha		780.0



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 in the area of Ylitornio Northern (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, (2018), (acquired on 12/05/2018 at 10:20 UTC, GSD 10.0 m, approx. 0% cloud coverage in AOI), provided under COPENICUS by the European Union and ESA.

Post-event image: Sentinel-1A/B, (2018), (acquired on 17/05/2018 at 15:49 UTC, GSD 10 m) provided under COPENICUS by the European Union and ESA. COSMO-SkyMed ASI (2018), distributed by e-GEOS S.p.A. (acquired on 18/05/2018 at 03:21 UTC, GSD 2.5 m), provided under COPENICUS 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. Digital Elevation Model: EU-DEM (25 m)

Disclaimer

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Relevant date records			
Event	17/05/2018	Situation as of	18/05/2018
Activation	15/05/2018	Map production	18/05/2018