On 12 January, Taal volcano, located in the Batangas Province (central-western Luzon), started erupting an ash plume 10-15 km high, followed by a magmatic eruption including weak lava flow. Widespread ashfall was recorded in several locations, including the cities of Manila and Quezon. According to the National Disaster Risk Reduction and Management Council (NDRRMC), around 24.500 people have been displaced and sheltered in 75 evacuation centres in Batangas Province, seven cities experienced power outages and 3 roads have been closed.

Map Information

120°55'0"E **275000**

The present map shows the event delineation for volcanic activity in the area of Taal (Philippines). The thematic layer has been derived from post-event satellite image by means of visual interpretation. The estimated geometric accuracy (RMSE) is 12.5 or better, from native positional accuracy of the background satellite image.

120°57'30"E **280000** Data sources

Pre-event image: Sentinel2-B (2019) (acquired on 28/04/2019 at 02:16 UTC, GSD 10.0 m, approx. 0% cloud coverage in AoI, 0° off-nadir angle) provided under COPERNICUS by the European Union Post-event image:Pléiades-1A © CNES (2020), distributed by Airbus DS (acquired on 16/01/2020 at 02:20 UTC, GSD 2.0 m, approx. 31% cloud coverage in AoI, 28.5° off-nadir angle), provided by International Charter (call ID 737), all rights reserved.

285000

Base vector layers: OpenStreetMap © OpenStreetMap contributors, GeoNames 2015, GL30, Global Administrative Areas (2012), refined by the producer. Inset maps: JRC 2013, Natural Earth 2012, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015 https://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_r2015a.
Digital Elevation Model: SRTM (30 m) (NASA/USGS)

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121°5'0"E

295000

Delivery formats are Layered Geospatial PDF, GeoJPEG and vector (ESRI shapefiles, Google Earth

KML, GeoJSON).

Map produced by ITHACA released by e-GEOS (ODO). For the latest version of this map and related products visit

https://emergency.copernicus.eu/EMSR418

290000

121°2'30"E

mapping-portal

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121°7'30"E

Event

Activation



300000

12/01/2020 00:00 Situation as of

13/01/2020 14:11 Map production

Relevant date records (UTC)



16/01/2020 02:20

16/01/2020