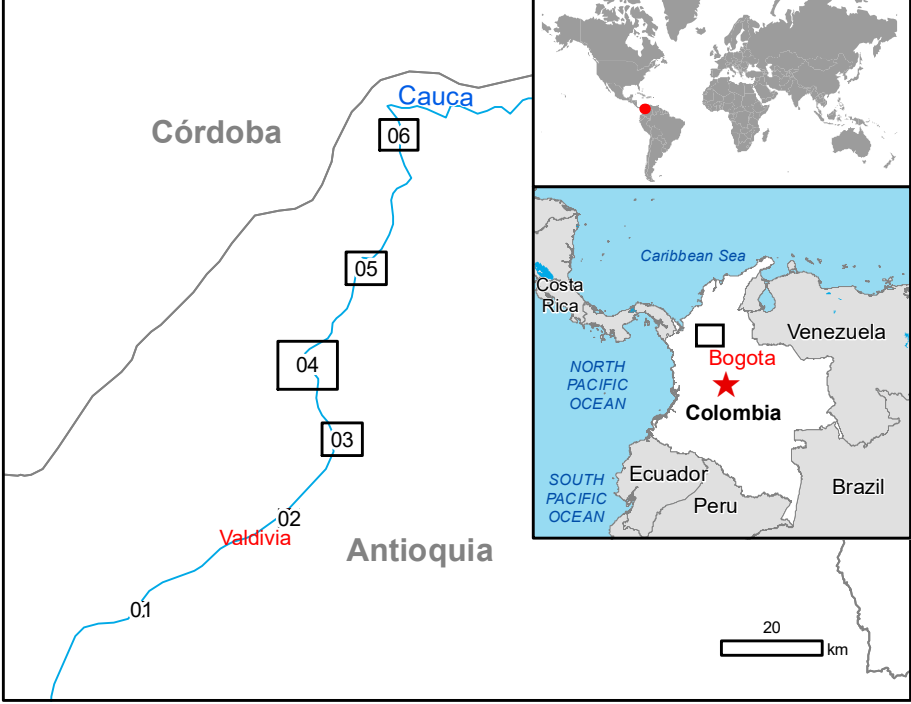


GLIDE number: N/A Activation ID: EMSR286
Product N.: 02VALDIVIA, v1, English

VALDIVIA - COLOMBIA

Flood - Situation as of 25/05/2018

Delineation Map



Cartographic Information

1:5000 Full color ISO A1, medium resolution (200 dpi)



Grid: WGS 1984 UTM Zone 18N map coordinate system
Tick marks: WGS 84 geographical coordinate system

Legend

- General Information**
 - Area of Interest
 - Image Footprint
 - Not Analysed
- Built-Up Area**
 - Residential
 - Multi-functional
- Hydrography**
 - River
 - River
- Placenames**
 - Placename
- Land use - Land Cover**

Features available in vector data

**NO FLOODED AREAS CAN BE DETECTED
FROM THE ANALYSED SATELLITE IMAGERY**

Map Information

The Ituango Dam, an earth-core rock-filled dam currently under construction on the Cauca river (near Ituango town, Antioquia Department) it is at risk of collapse. Heavy rains and two tunnels collapsing as of 28 April, pose a high risk of failure of the earth embankment dam. Such a collapse could lead to catastrophic flooding downstream along the Cauca River. Preventive evacuations on many municipalities were ordered on Wednesday, May 16, and five municipalities have been placed on maximum alert (Valdivia, Cáceres, Nechí, Tarazá, and Caucaasia). The total number of inhabitants potentially affected by floodings following the dam collapse is estimated to be up to 120,000.

The present map shows the flood delineation in the area of Valdivia (Colombia). 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.

Relevant date records			
Event	22/05/2018	Situation as of	25/05/2018
Activation	22/05/2018	Map production	26/05/2018

Data Sources

Pre-event image: Pléiades-1B © CNES (2018), distributed by Airbus DS (acquired on 19/01/2018 at 15:26 UTC, GSD 0.5 m, approx. 3% cloud coverage in AoI, 28.4° off-nadir angle), provided under COPERNICUS by the European Union and ESA, all rights reserved.

Post-event image: TerraSar-X © Infoterra GmbH (2018), (acquired on 25/05/2018 at 10:48 UTC, GSD 1.7 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, Natural Earth 2012, GeoNames 2013.

Population data: GHS Population Grid © European Commission, 2015
http://data.europa.eu/89h/jrc-ghsl-ghs_pop_gpw4_globe_r2015a.

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.
Map produced by SIRS released by SERTIT (ODO).

For the latest version of this map and related products visit
<http://emergency.copernicus.eu/EMSR286>

jrc-ems-rapidmapping@ec.europa.eu
© European Union
For full Copyright notice visit <http://emergency.copernicus.eu/mapping/ems/cite-copernicus-ems-mapping-portal>