Satellite detected waters in Albay and Sorsogon Provinces of Philippines as of 12 November 2020

This map illustrates satellite-detected surface waters in Daraga, Jovellar municipalities of Albay province & Donsol, Pilar municipalities of Sorsogon province of Philippines as observed from a Sentinel-1 image acquired on 12 November 2020 at 05:38 local time. Within the analyzed area of about 270 km², a total of about 6 km² of lands appear to be flooded. Based on WorldPop population data and the detected surface waters, about 3,000 people are potentially exposed or living close to flooded areas.

This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Important Note: Flood analysis from radar images may underestimate the presence of standing waters in built-up areas and densely vegetated areas due to backscattering properties of the radar signal.

**Legend**
- Village
- City/Town
- Primary road
- Secondary road
- Local road
- River
- Province boundary
- Municipality boundary
- Reference water
- Satellite detected water (12 November 2020)

**Map Scale for A3: 1:50,000**

Analysis conducted with ArcGIS v10.7
Coordinate System: WGS 1984 UTM Zone 51N
Projection: Transverse Mercator
Datum: WGS 1984
Resolution: 10 m
Copyright: Contains modified Copernicus Sentinel Data [2020] Source: ESA
Administrative boundaries: Philippines Statistics Authority (PSA)
Population data: WorldPop [2020]
Reference Water: The European Commission’s JRC
Road: Open Street Map
Background: ALOS Global DSM
Analysis: UNITAR - UNOSAT
Production: UNITAR - UNOSAT

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