Satellite detected waters in Cortes, Atlantida and Yoro departments of Honduras as of 23 November 2020

This map illustrates satellite-detected surface waters in Cortes, Atlantida and Yoro departments of Honduras as observed from a Sentinel-1 image acquired on 23 November 2020 at 05:45 local time. Within the analyzed area of about 3,500 km², a total of about 170 km² of lands appear to be flooded. Based on WorldPop population data and the detected surface waters, about 35,000 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
- City / Town
- Primary Road
- Secondary Road
- River
- International boundary
- Departmental boundary
- Municipal boundary
- Analysis Extent
- Reference water
- Satellite detected water [23 November 2020]
- Satellite detected water [18 November 2020]

Analysis conducted with SNAP 8.0 and ArcGIS v10.7
Coordinate System: WGS 1984 UTM Zone 16N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter
Map Scale for A3: 1:200,000

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