This map illustrates satellite-detected water via VIIRS-NOAA over Central, Luapula, Muchinga and Northern Province in Republic of Zambia between the 1st and the 05th March 2020. Within the analysed extent not covered by clouds, a total of about 10,000 km² appear to be flooded. Based on Worldpop population about 28,000 people were potentially exposed or living close to flooded areas in Lunga district. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Legend
- City / Town
- Primary road
- Secondary road
- Tertiary road
- International boundary
- District boundary
- Permanent water [01 - 05 March 2020]
- Cloud cover [01 - 05 March 2020]

Analysis Extent
- 100% occurrence
- 10% occurrence

Map Scale for A3: 1:1,250,000
Analysis conducted with ArcGIS v10.4.1
Coordinate System: WGS 1984 UTM Zone 36S
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

Satellite Data: VIIRS-NOAA
Imagery Dates: 01 - 05 March 2020
Resolution: 375m
Copyright: NOAA/Suomi NPP
Source: NOAA

Road data: OpenStreetMap
Boundary data: HDX
Population data: Worldpop [2020]
Other data: OpenStreetMap
Analysis: UNITAR - UNOSAT
Production: UNITAR - UNOSAT

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