









Building damage assessment over Djibouti City, Djibouti District, Djibouti Region, Djibouti

This map illustrates satellite detected potentially damaged buildings within the affected neighborhoods in Djibouti, Djibouti District, Djibouti Region, Djibouti. Potentially affected neighborhoods were defined according to field data. The analysis was conducted by analyzing a post-event Pleiades image acquired on 23 May 2018, after the passage of Tropical Cyclone Sagar-18, compared with a pre-event WorldView-2 image acquired on 23 April 2018. As observed from the satellite imagery, the neighborhood of Oued Ambouli was identified as the most affected due to the poor construction materials used for the buildings and because they were located along the floodplain of Oued Ambouli river, which was severely affected by flash floods and heavy rains. More than 350 buildings were categorized as potentially damaged inside this neighborhood. Due to the nature of the disaster (flash floods and heavy rains) and the limitations of the analysis, observed damage is only superficial and therefore the number of buildings affected may be underestimated. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR UNOSAT.


Legend


 Number of potentially damaged buildings

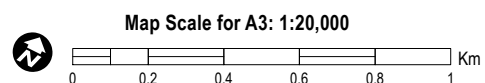
Potentially damaged building by neighborhood

-  1 - 5
-  6 - 10
-  11 - 25
-  26 - 50
-  51 - 357

 Primary road

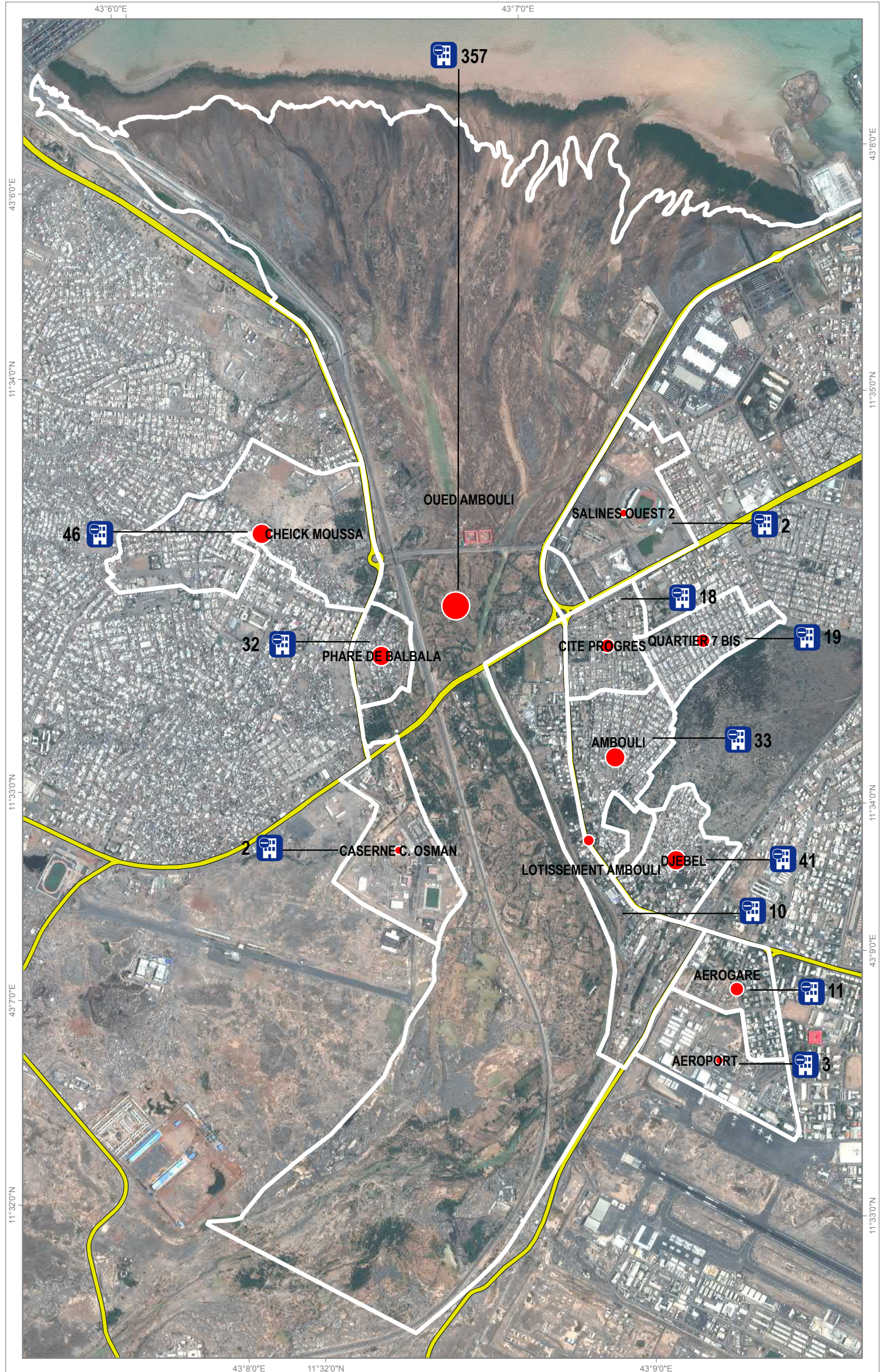
 Secondary road

 Potentially affected neighborhood



Analysis conducted with ArcGIS v10.4.1

Coordinate System: WGS 1984 UTM Zone 38N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter



Satellite Data (Pre): WorldView-2
Imagery Date (Pre): 23 April 2018
Resolution: 50 cm
Copyright: DigitalGlobe, Inc
Source: USGS- HDDS
Satellite Data (Post): Pleiades
Imagery Date (Post): 23 May 2018

Resolution: 50 cm
Copyright: CNES 2018-
Distribution Airbus Defence and
Space / SPOT Image
Source: Airbus Defence and
Space

Potentially affected
neighborhood: Field data
Roads: OpenStreetMap
Analysis : UNITAR - UNOSAT
Production : UNITAR - UNOSAT



The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian & development agencies & their implementing partners. This work by UNITAR-UNOSAT is licensed under a CC BY-NC 3.0.