

Damage Assessment in Barbuda Island

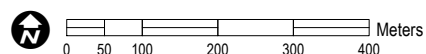
This map illustrates potentially damaged buildings in Barbuda Island detected by satellite following the landfall of Tropical Cyclone IRMA-17 on 6 September 2017. UNITAR-UNOSAT analysis used a Pleiades satellite image acquired on 8 September 2017 as post imagery. We identified 1,071 potentially damaged structures within Codrington town in Barbuda. According to the pre-building footprints provided by Humanitarian Open Street Map, this represents 89% of the total number of structures in Codrington town. The analysis could have been underestimated due to cloud cover. This is a preliminary analysis and has not yet been validated in the field. Please send ground feedback to UNITAR-UNOSAT.

Legend

- Damaged structures
- Village / Town
-  Minor airport / Airfield
- Local/Urban road
-  Cloud mask



Map Scale for A3: 1:10,000



Analysis conducted with ArcGIS v10.4.1

Coordinate System: WGS 1984 UTM Zone 20N
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

Satellite Data (Post): Pleiades
Imagery Date: 8 September 2017
Resolution: 50 cm
Copyright: CNES 2017, Distribution Airbus Defence and Space
Source: Airbus Defence and Space

Satellite Data (Pre): Bing
Imagery Date: February 2015
Copyright: Microsoft Corporation
Source: Microsoft Corporation
Baseline Data: Humanitarian OSM
Analysis: UNITAR - UNOSAT
Production: UNITAR - UNOSAT

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