

DAMAGE ASSESSMENT OF CRUCITA AREA, MANABI PROVINCE, ECUADOR

Earthquake

Production Date:
20/04/2016

Version 1.0

Glide Number:
EQ-2016-000035-ECU

Analysis with Pleiades Data Acquired 19 April 2016 and WorldView-2 Data Acquired 23 April 2015.



This map illustrates satellite-detected potential damaged structures in Crucita area in Manabi Province, Ecuador. Located at approximately 150 km south of the 16 April 2016 Muisne earthquake mainshock epicenter and using a Pleiades satellite image acquired the 19 April 2016 and a WorldView-2 image acquired the 23 April 2015, UNITAR - UNOSAT identified 67 potentially damaged structures within the map extent of which 7 are destroyed, 25 severely damaged, and 23 moderately damaged. This is a preliminary analysis and not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

LEGEND

- Destroyed
- Severe Damage
- Moderate Damage
- Town
- ★ Epicenter
- Highway/Primary Road
- Secondary Road
- Local/Urban Road
- Parroquia Boundary

Map Scale for A3: 1:25,000
0 150 300 450 600 750 Meters

Satellite Data (1): Pleiades
Imagery Date: 19 April 2016
Resolution: 50 cm
Copyright: CNES (2016), Distribution AIRBUS DS
Source: Airbus Defence and Space
Satellite Data (2): WorldView-2
Imagery Date: 23 April 2015
Resolution: 50 cm
Copyright: Digital Globe, Inc
Source: USGS/HHDS
Road Data : OpenStreetMap (via bbbike.com)
Other Data: USGS, UNCS, NASA, NGA
Analysis : UNITAR / UNOSAT
Production : UNITAR / UNOSAT
Analysis conducted with ArcGIS v10.3

Coordinate System: WGS 1984 UTM Zone 17S
Projection: Transverse Mercator
Datum: WGS 1984
Units: Meter

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 and development agencies and their implementing partners.

This work by UNITAR/UNOSAT is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported License.

Disaster coverage by the International Charter 'Space and Major Disasters'. For more information on the Charter, which is about assisting the disaster relief organizations with multi-satellite data and information, visit www.disasterscharter.org



UNOSAT

Contact Information: unosat@unitar.org
24/7 Hotline: +41 75 411 4998
www.unitar.org/unosat

