

DAMAGE ASSESSMENT OF SAN JACINTO / EL PUEBLITO AREAS, MANABI PROVINCE, ECUADOR

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

Earthquake

Production Date:
20/04/2016

Version 1.0

Glide Number:
EQ-2016-000035-ECU



This map illustrates satellite-detected potential damaged structures in San Jacinto and El Pueblito areas north of Crucita in Manabi Province, Ecuador. Located at approximately 140 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 60 potentially damaged structures of which 12 were destroyed, 23 severely damaged, and 25 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: 1:20,000
0 120 240 360 480 600 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/HDDS
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

