

DAMAGE ASSESSMENT OF SALINAS AND LA LIBERTAD AREAS, SANTA ELENA PROVINCE, ECUADOR

Analysis with Pleiades Data Acquired 18 April 2016 and WorldView-2 Data Acquired 26 December 2015.

This map illustrates satellite-detected potential damaged structures in Salinas/La Libertad areas in Santa Elena Province, Ecuador, located at approximately 300 km south of the 16 April 2016 Muisne earthquake mainshock epicenter. Using a Pleiades satellite image acquired the 18 April 2016 and a WorldView-2

image acquired the 26 December 2015, UNITAR - UNOSAT identified 33 potentially damaged structures of which 1 is destroyed, 5 severely damaged, and 27 moderately damaged. This is a preliminary analysis and not yet been validated in the field. Please send ground feedback to UNITAR - UNOSAT.

Earthquake



Production Date: 20/04/2016

Version 1.0

Glide Number: EQ-2016-000035-ECU



LEGEND

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

Map Scale for A3: 1:35,000
 0 200 400 600 800 Meters

Satellite Data (1): Pleiades
 Imagery Date: 18 April 2016
 Resolution: 50 cm
 Copyright: CNES (2016), Distribution AIRBUS DS
 Source: Airbus Defence and Space
 Satellite Data (2): WorldView-2
 Imagery Date: 26 December 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

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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



Damage in Salinas/La Libertad Areas	
Damage Level	Count
Destroyed	1
Severe Damage	5
Moderate Damage	27
Total	33



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