PRELIMINARY SATELLITE DERIVED DAMAGE ASSESSMENT

Bangued, Tayum, Dolores, La Paz, and Bucay Towns, Abra Province, Cordillera Administrative Region

Status: Potentially damaged structures observed

Further action(s): continue monitoring
EARTHQUAKE M 7 IN PHILIPPINES ON 27 JULY 2022

27 July 2022 at 08:43 Local Time

Legend
- City/Town
- State boundary
- LGA boundary

Intensity (EC-JRC)
- I
- II
- VII
- X+

Map location

PHILIPPINES

AOI 1, Bangued
AOI 2, Tayum
AOI 3, La Paz
AOI 4, Dolores
AOI 5, Bucay

27 July 2022 at 08:43 Local Time
AOI 1-1 BANGUED TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Potentially damaged structures

Virginia Dacanay
Rice retailer

WorldView-2 / 14 Jan 2020

Pléiades / 29 July 2022
AOI 1-2 BANGUED TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Potentially damaged structures

WorldView-2 / 14 Jan 2020

Pléiades/ 29 July 2022
AOI 1-3 BANGUED TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Potentially damaged structures

WorldView-2 / 14 Jan 2020

Pléiades / 29 July 2022
AOI 1-2 BANGUED TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage
AOI 2 TAYUM TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Damaged roof

St. Catherine Of Alexandria Church

Tayum

WorldView-2 / 14 Jan 2020

St. Catherine Of Alexandria Church

Tayum

Pléiades/ 29 July 2022
AOI 3 -1 LA PAZ TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage
AOI 3 -2 LA PAZ TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage

WorldView-2 / 14 Jan 2020
Pléiades/ 29 July 2022
AOI 4 - DOLORES TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage

WorldView-2 / 14 Jan 2020

Pléiades / 29 July 2022
AOI 5-1 BUCAY TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage

WorldView-2 / 29 April 2022

Pléiades / 29 July 2022
AOI 5-1 BUCAY TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Potentially damaged structures

WorldView-2 / 29 April 2022

Pléiades / 29 July 2022
SUMMARY OF FINDINGS

• Potentially damaged structures in Bangued Town, Abra Province, Cordillera Administrative Region observed as of 29 July 2022;

• Potentially damaged structure near Abra Sports Complex in Bangued Town, Abra Province, Cordillera Administrative Region observed as of 29 July 2022;

• Damaged roof of St. Catherine Of Alexandria Church in Tayum Town, Abra Province, Cordillera Administrative Region observed as of 29 July 2022;

• No damaged structures observed in La Paz town, and Dolores town, Abra Province, Cordillera Administrative Region observed as of 29 July 2022;

• Potentially damaged structures observed in Bucay town Abra Province, Cordillera Administrative Region observed as of 29 July 2022.
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Data sources:

(1) Satellite Image (Post-event)

Pléiades : 29 July 2022 at 02:54 UTC
Resolution: 50 cm
Copyright: © CNES(2022), distributed by Airbus DS
Source: Airbus DS

(2) Satellite Image (Pre-event)

WorldView-2 : 14 Jan 2020 at 02:25 UTC
& 29 April 2022 at 02:26
Resolution: 50 cm
Copyright: © DigitalGlobe, Inc. (2022)
Source: USGS

(3) Ancillary data

Administrative boundaries: National Mapping and Resource Information Authority (NAMRIA), Philippines Statistics Authority (PSA)

Populate place: OSM
Population data: WorldPop 2020

Analysis: UNITAR-UNOSAT
Production: UNITAR-UNOSAT