



1 Aug 2022

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

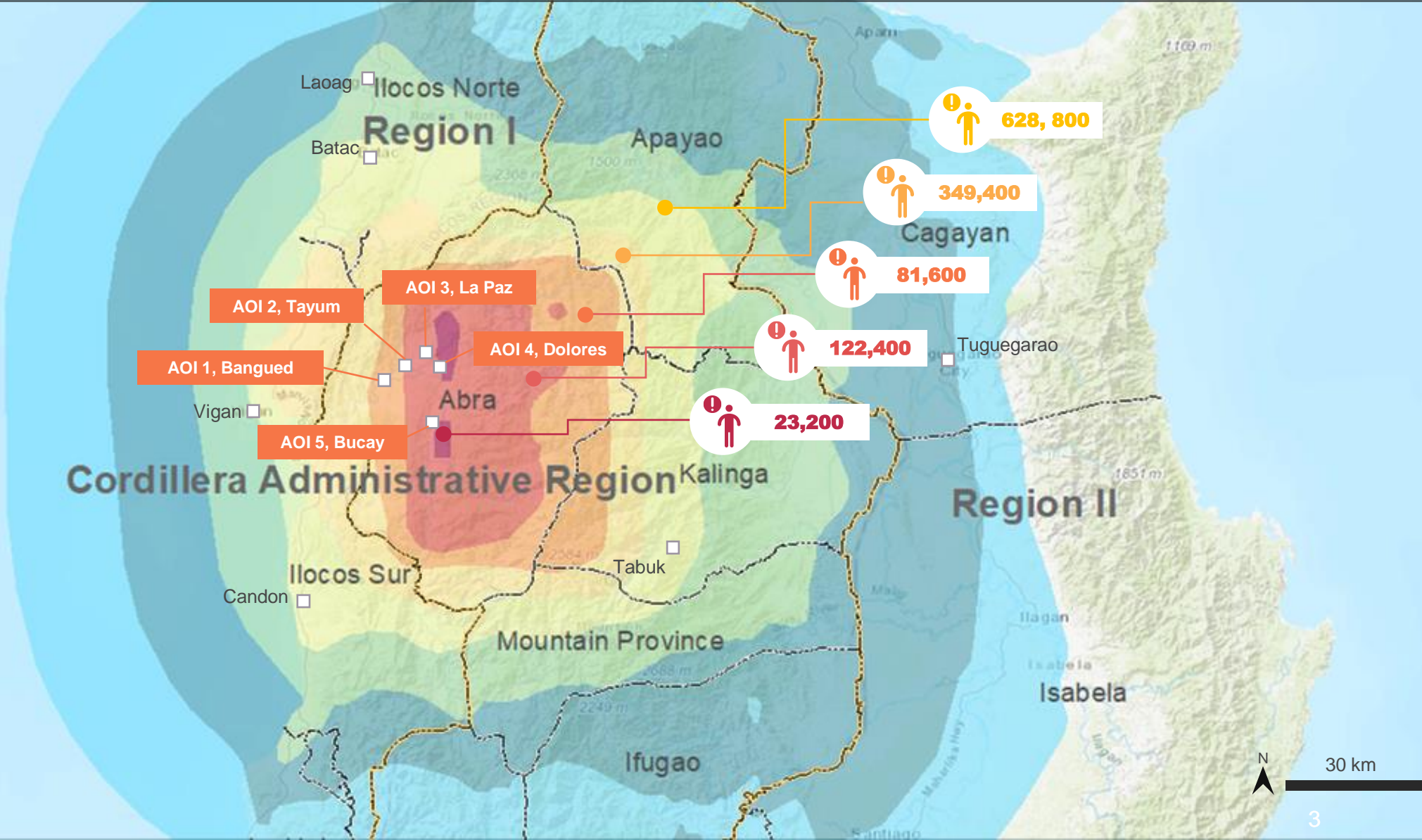
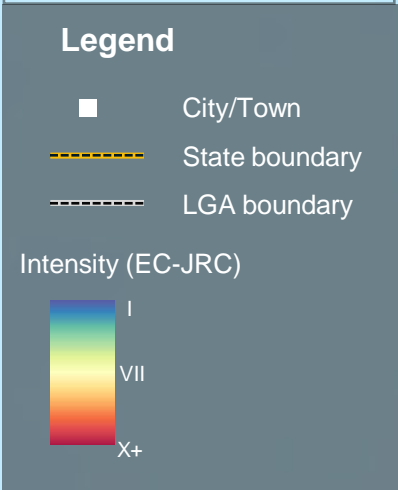
PHILIPPINES

1 August 2022



EARTHQUAKE M 7 IN PHILIPPINES ON 27 JULY 2022

27 July 2022 at 08:43 Local Time



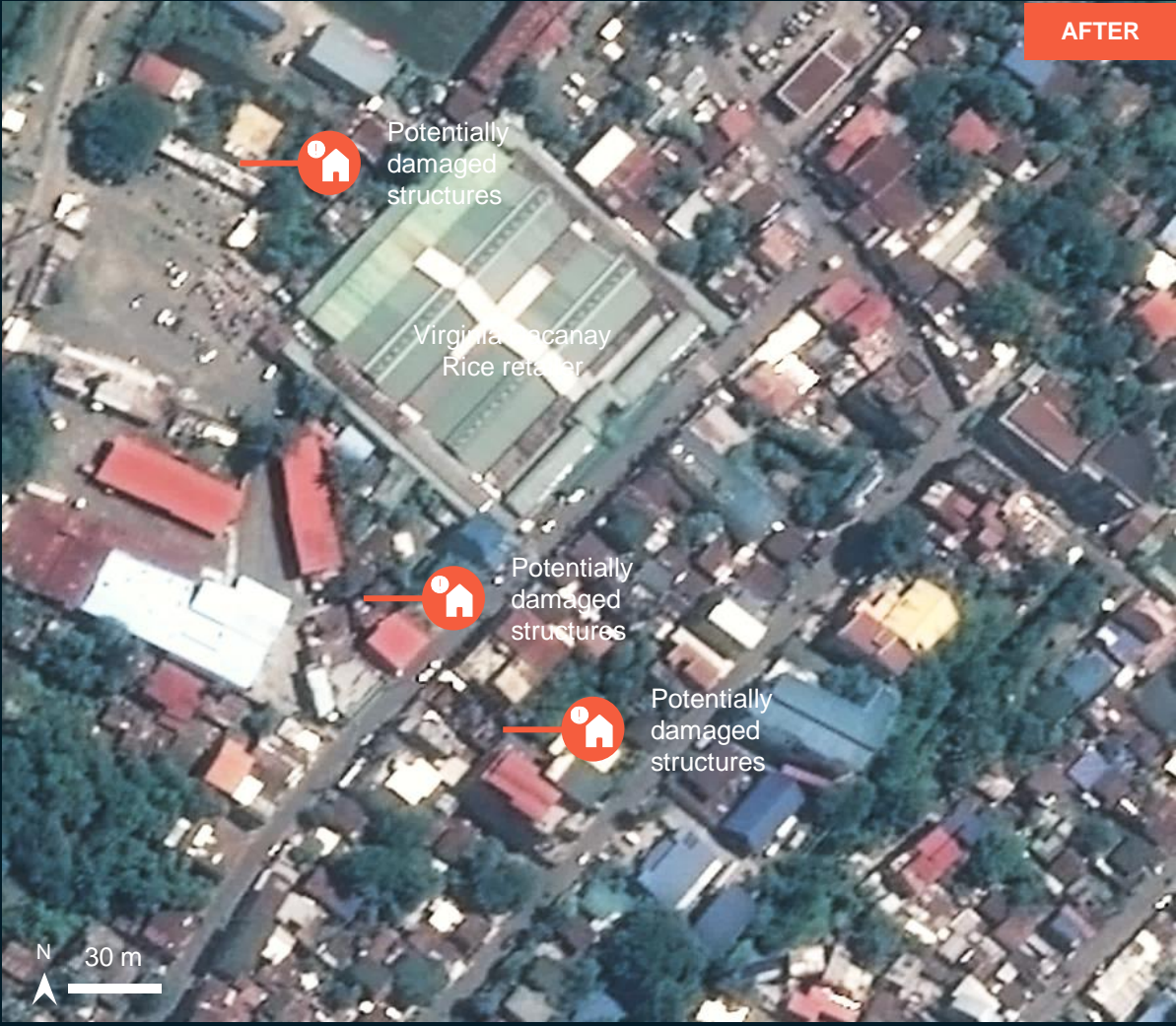
AOI 1-1 BANGUED TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Potentially damaged structures

Image center:
120°37'9.635"E
17°36'0.901"N



WorldView-2 / 14 Jan 2020

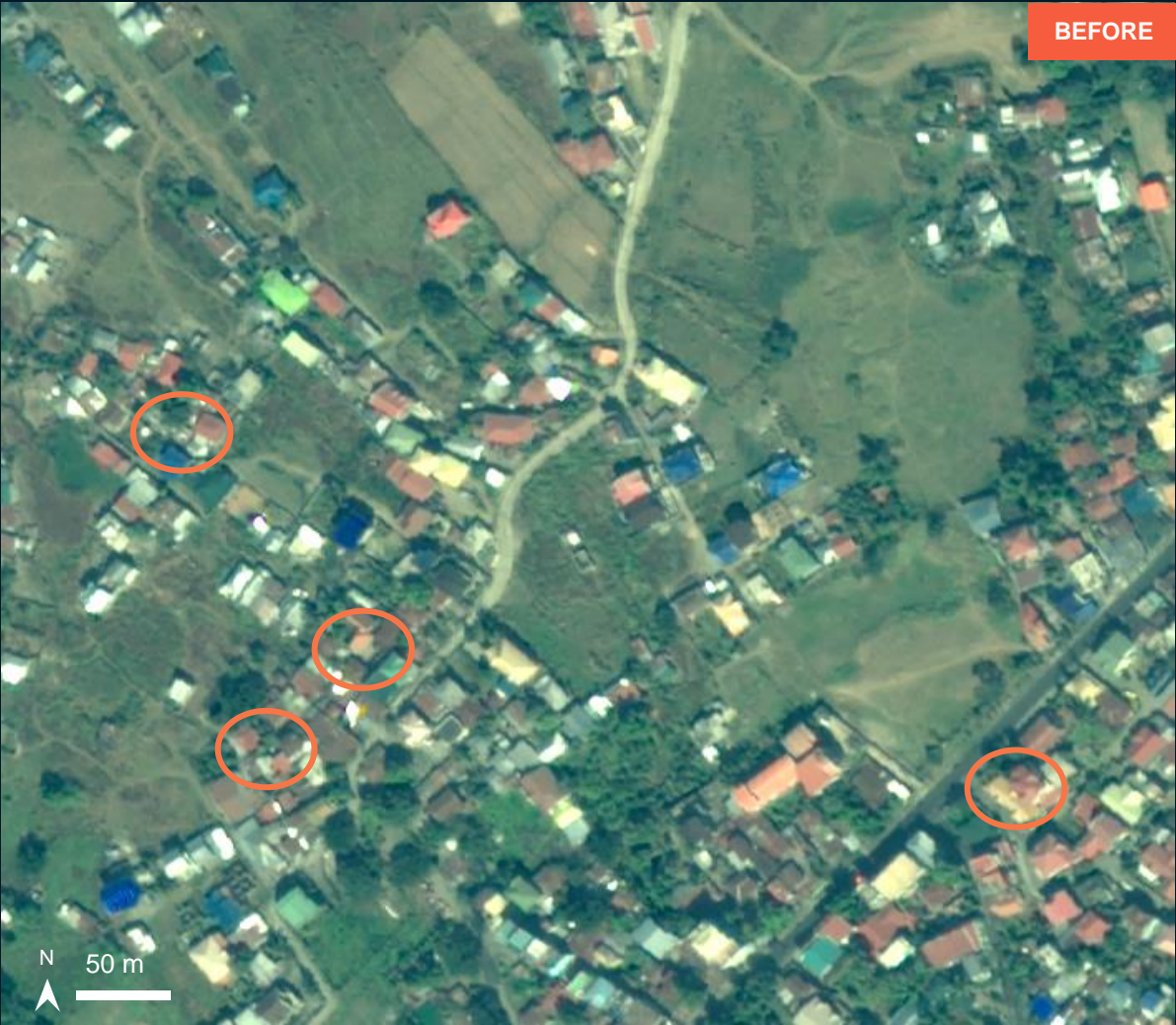


Pléiades/ 29 July 2022

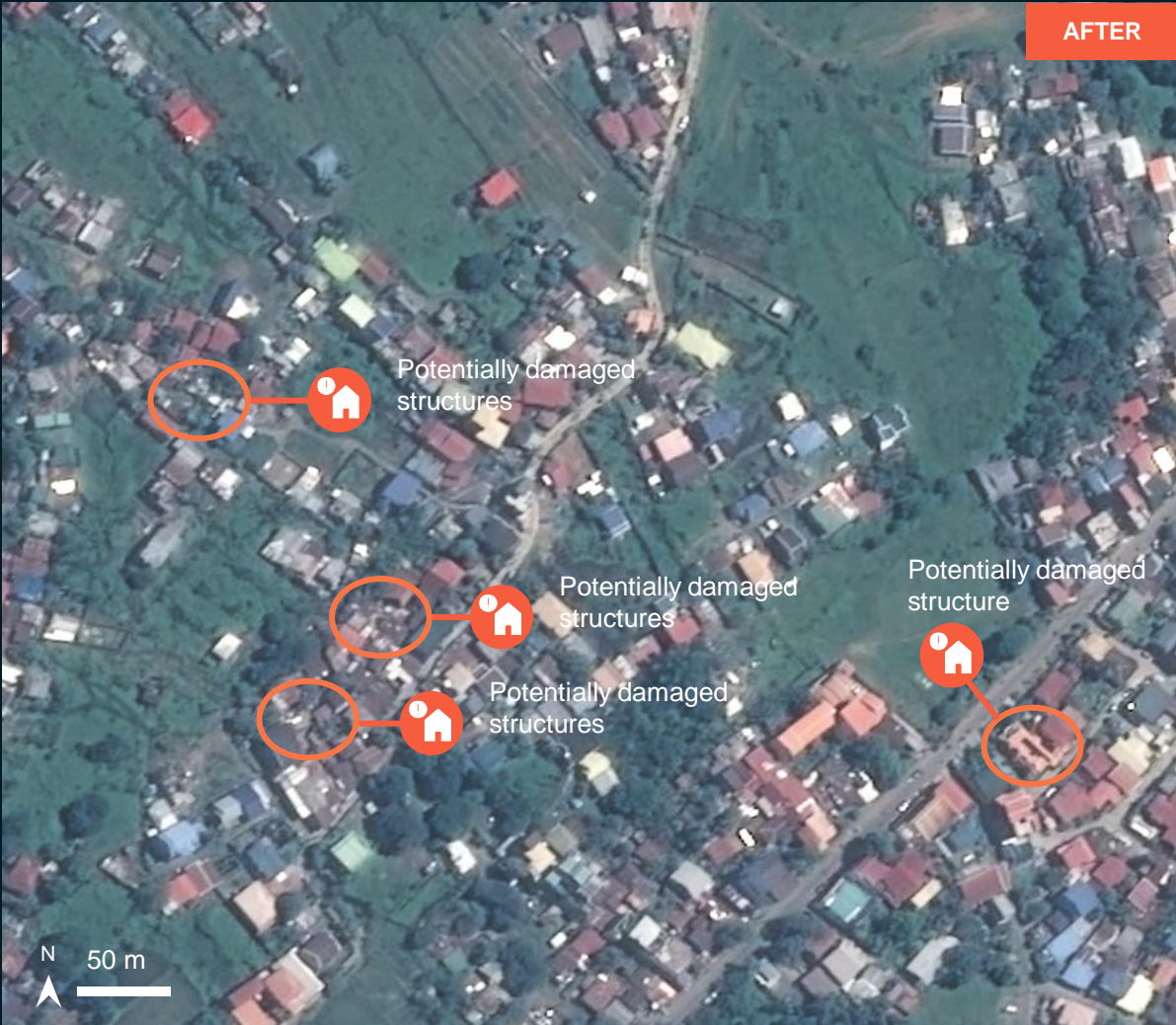
AOI 1-2 BANGUED TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Potentially damaged structures

Image center:
120°37'23.88"E
17°36'11.521"N



WorldView-2 / 14 Jan 2020



Pléiades/ 29 July 2022

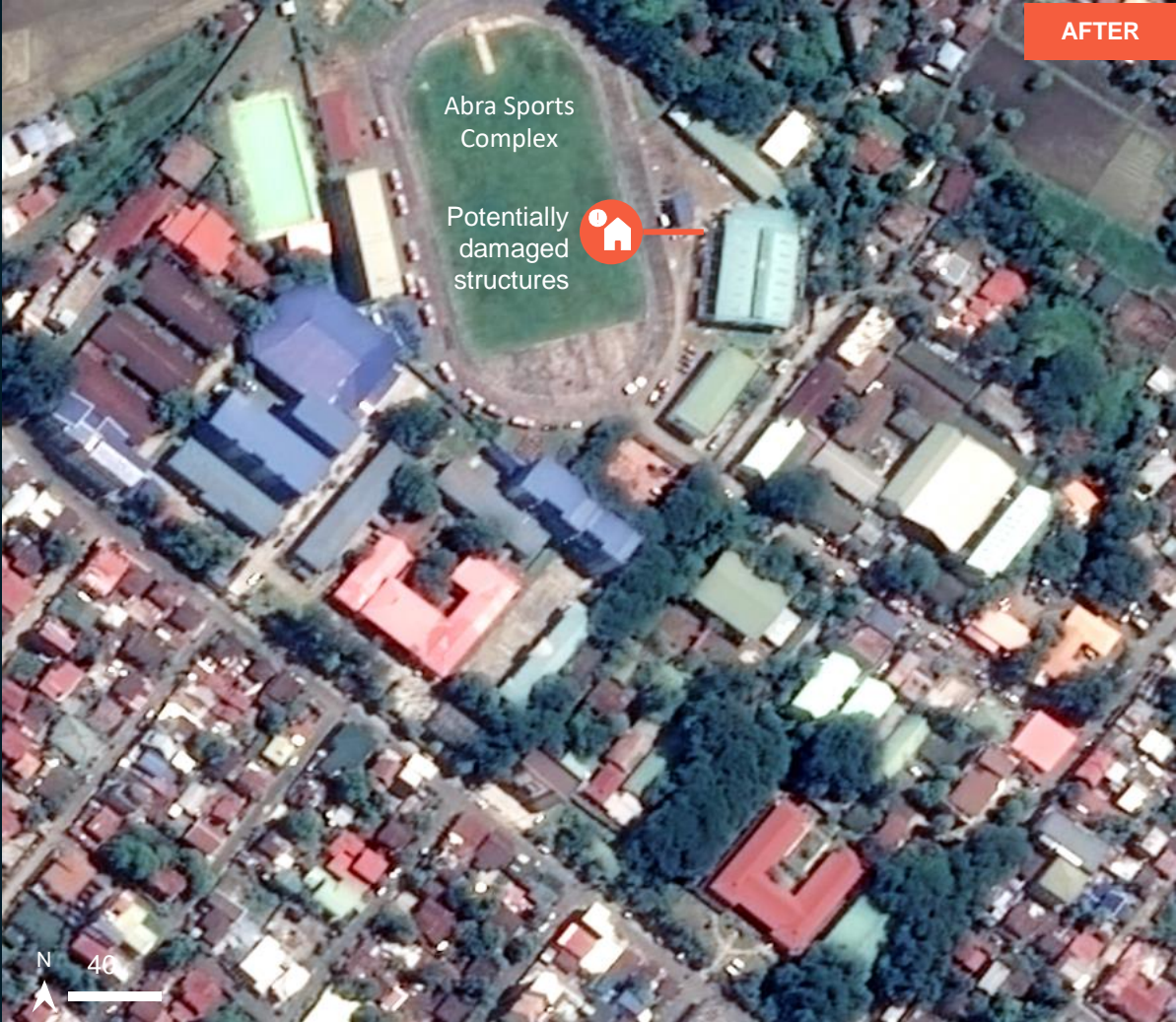
AOI 1-3 BANGUED TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Potentially damaged structures

Image center:
120°36'53.987"E
17°36'6.619"N



WorldView-2 / 14 Jan 2020

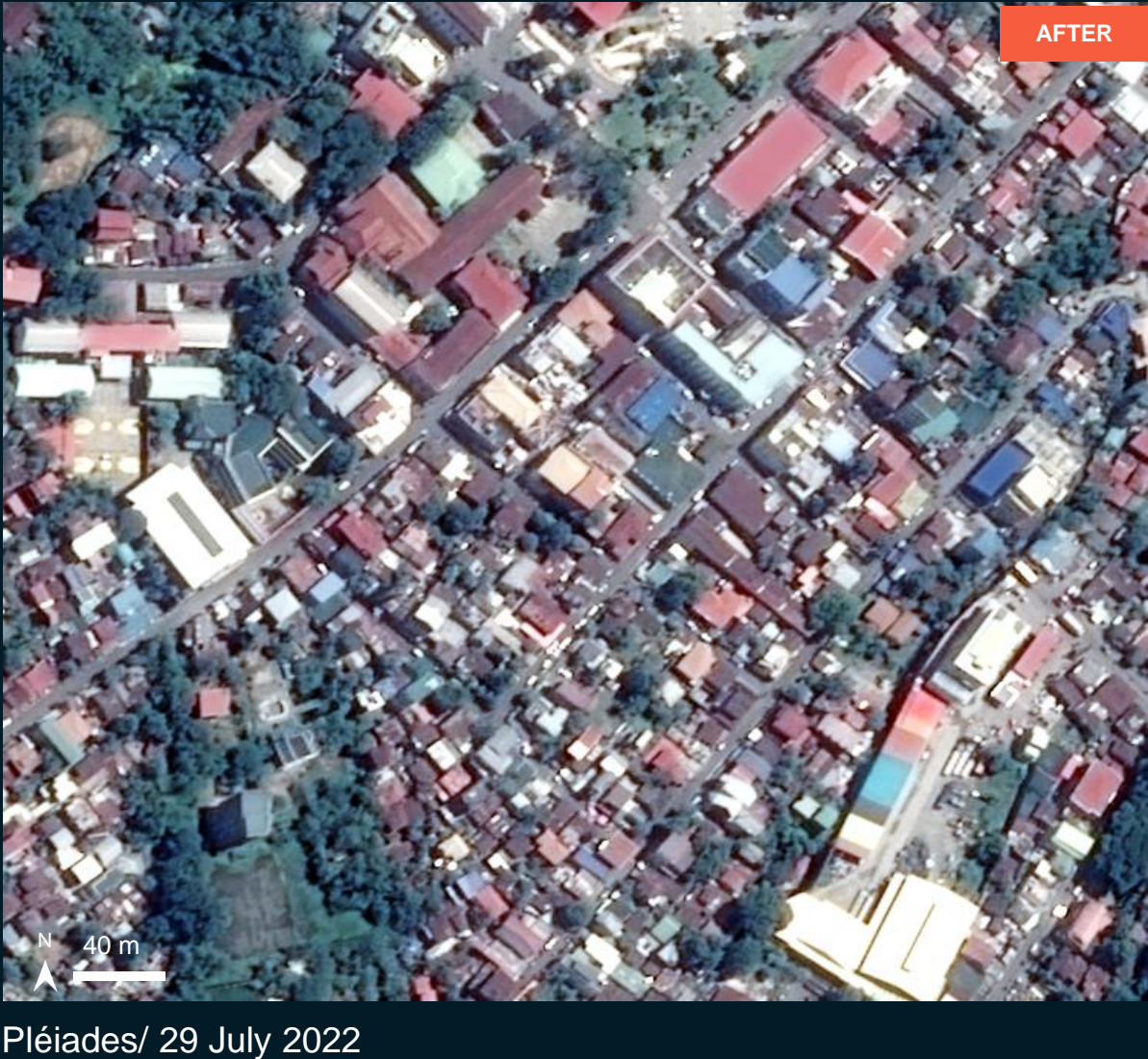
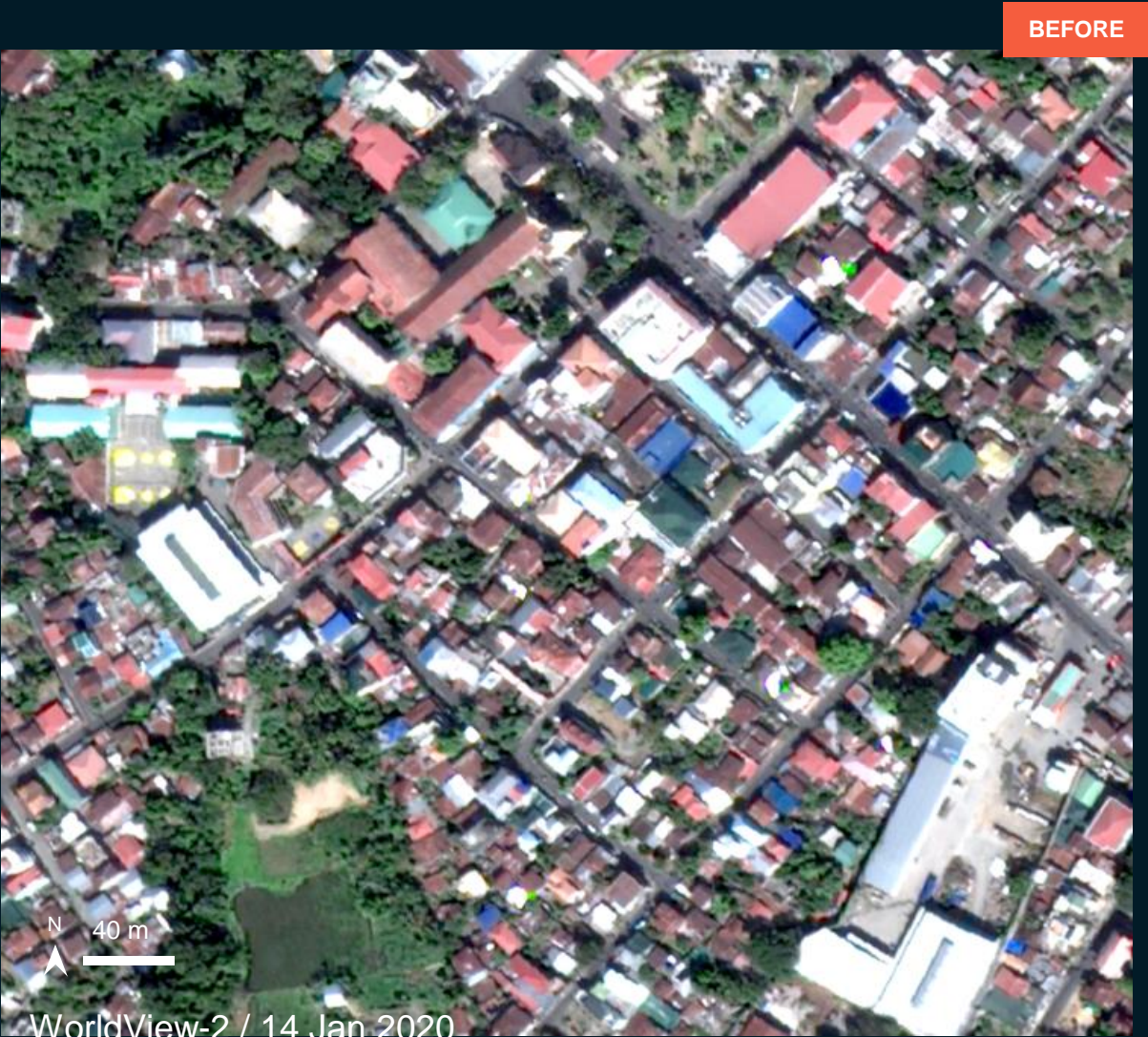


Pléiades/ 29 July 2022

AOI 1-2 BANGUED TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage

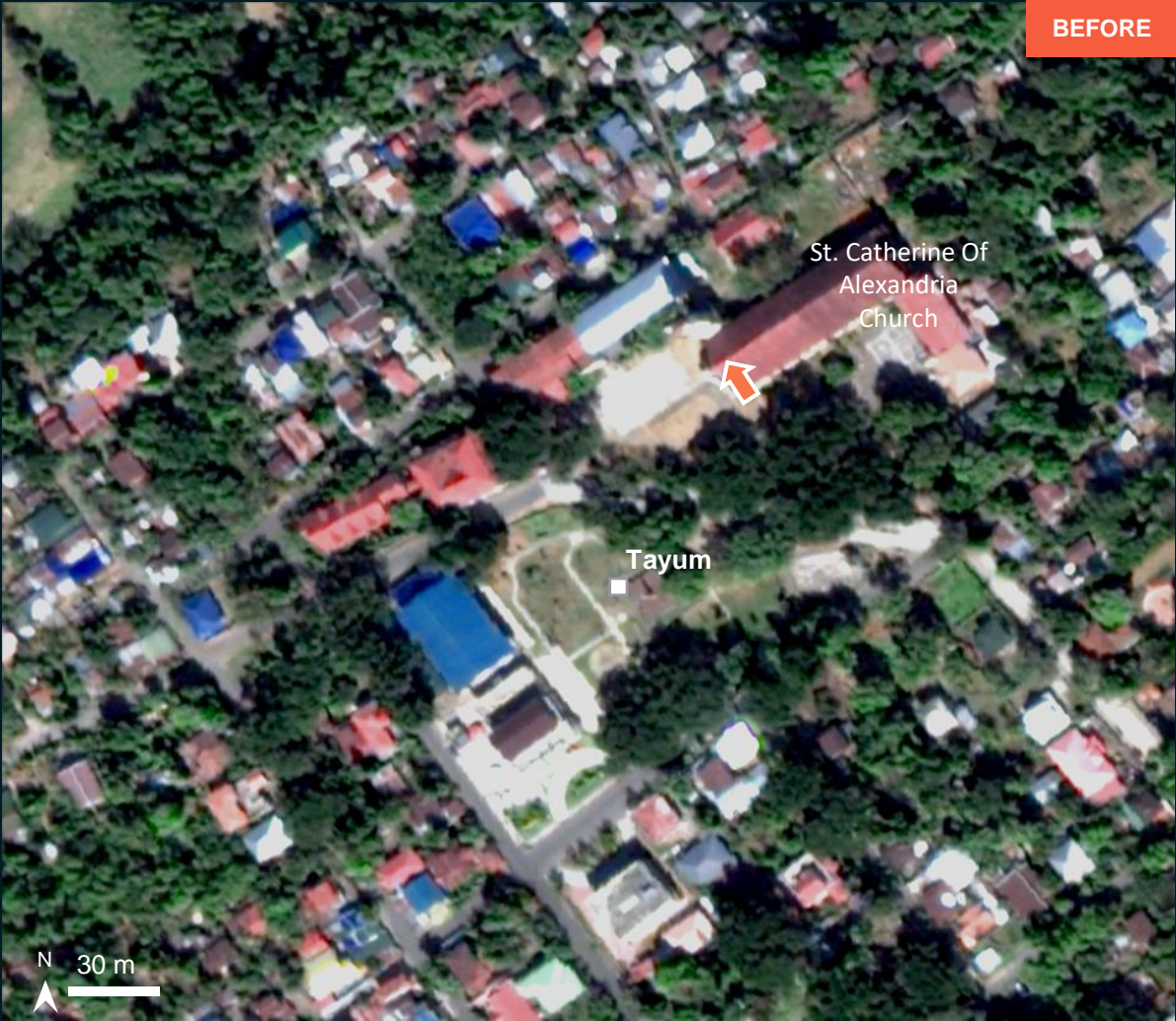
Image center:
120°37'2.767"E
17°35'40.789"N



AOI 2 TAYUM TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

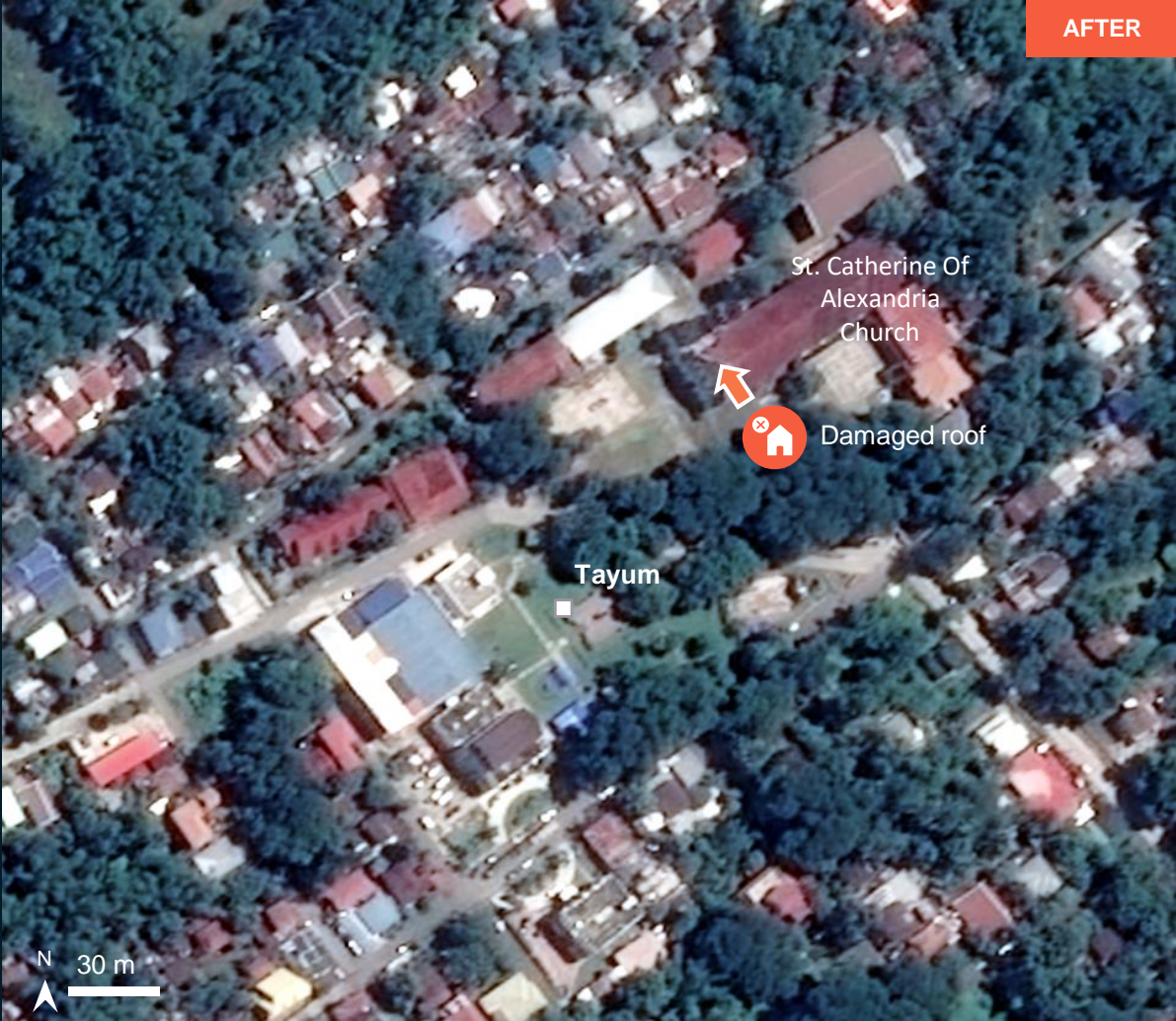
Damaged roof

Image center:
120°39'11.277"E
17°37'4.906"N



BEFORE

WorldView-2 / 14 Jan 2020



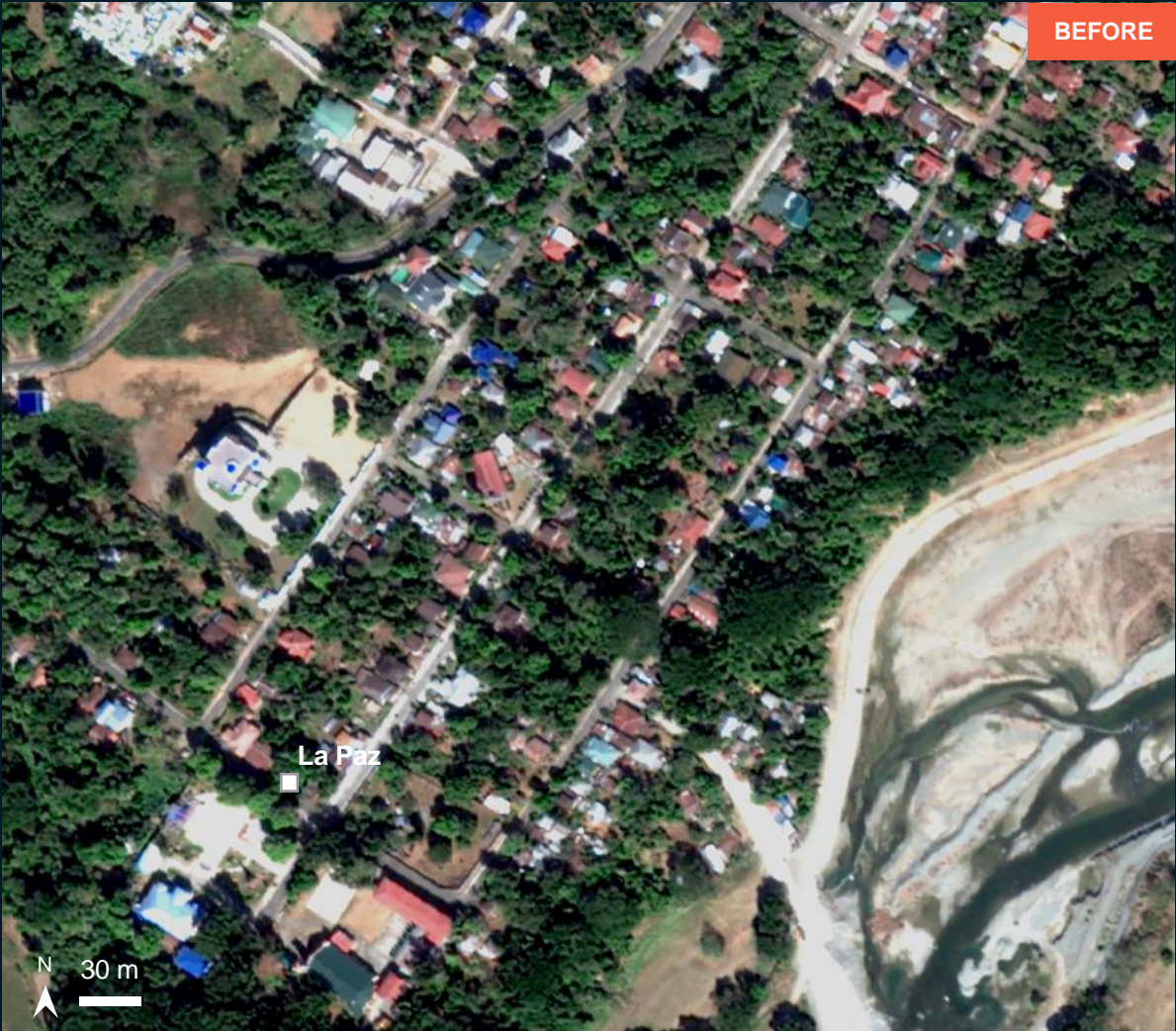
AFTER

Pléiades/ 29 July 2022

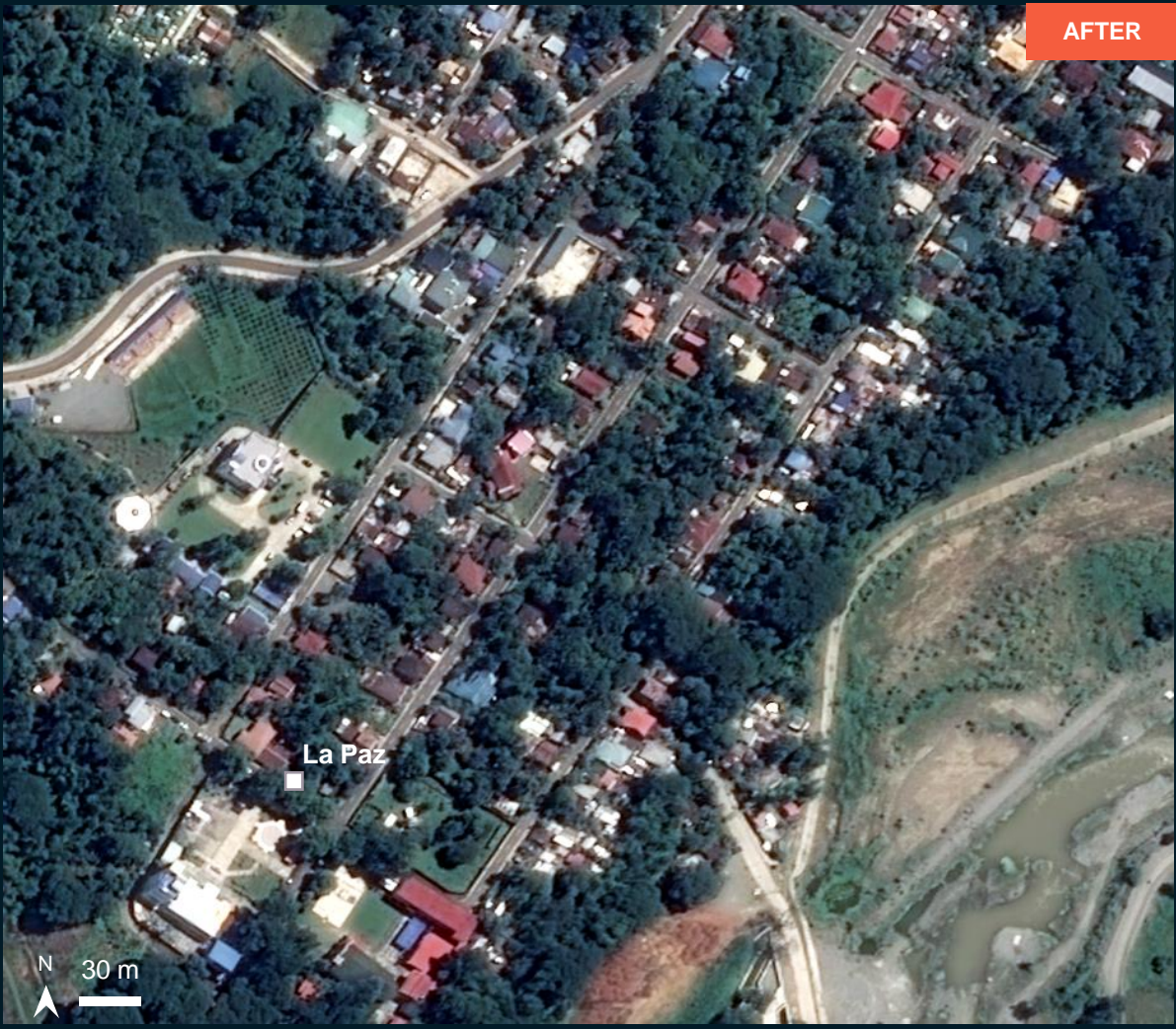
AOI 3 -1 LA PAZ TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage

Image center:
120°41'5.117"E
17°40'19.795"N



WorldView-2 / 14 Jan 2020



Pléiades/ 29 July 2022

**AOI 3 -2 LA PAZ TOWN, ABRA PROVINCE,
CORDILLERA ADMINISTRATIVE REGION**

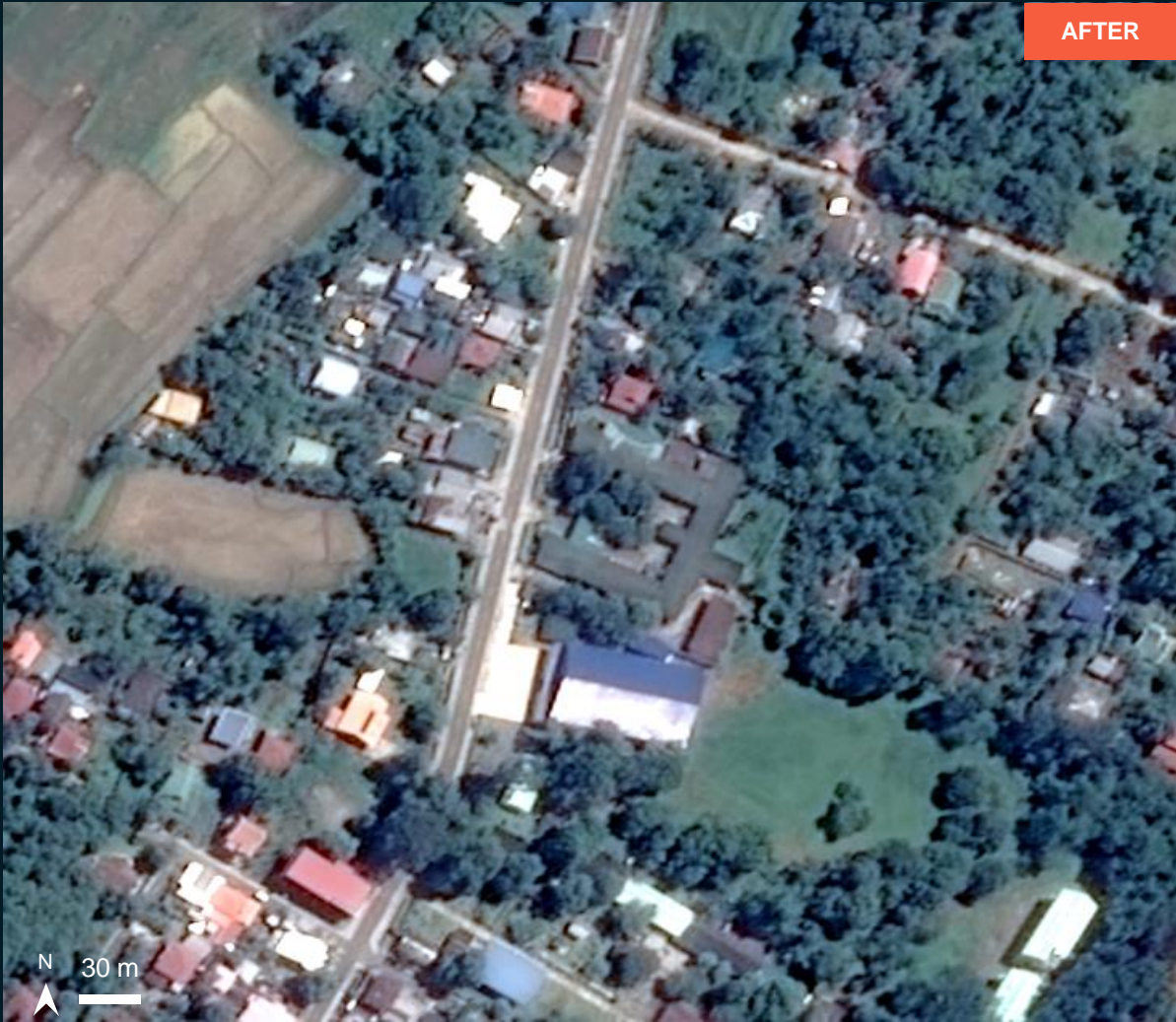
No visible damage

Image center:
120°41'18.41"E
17°40'44.785"N



BEFORE

WorldView-2 / 14 Jan 2020



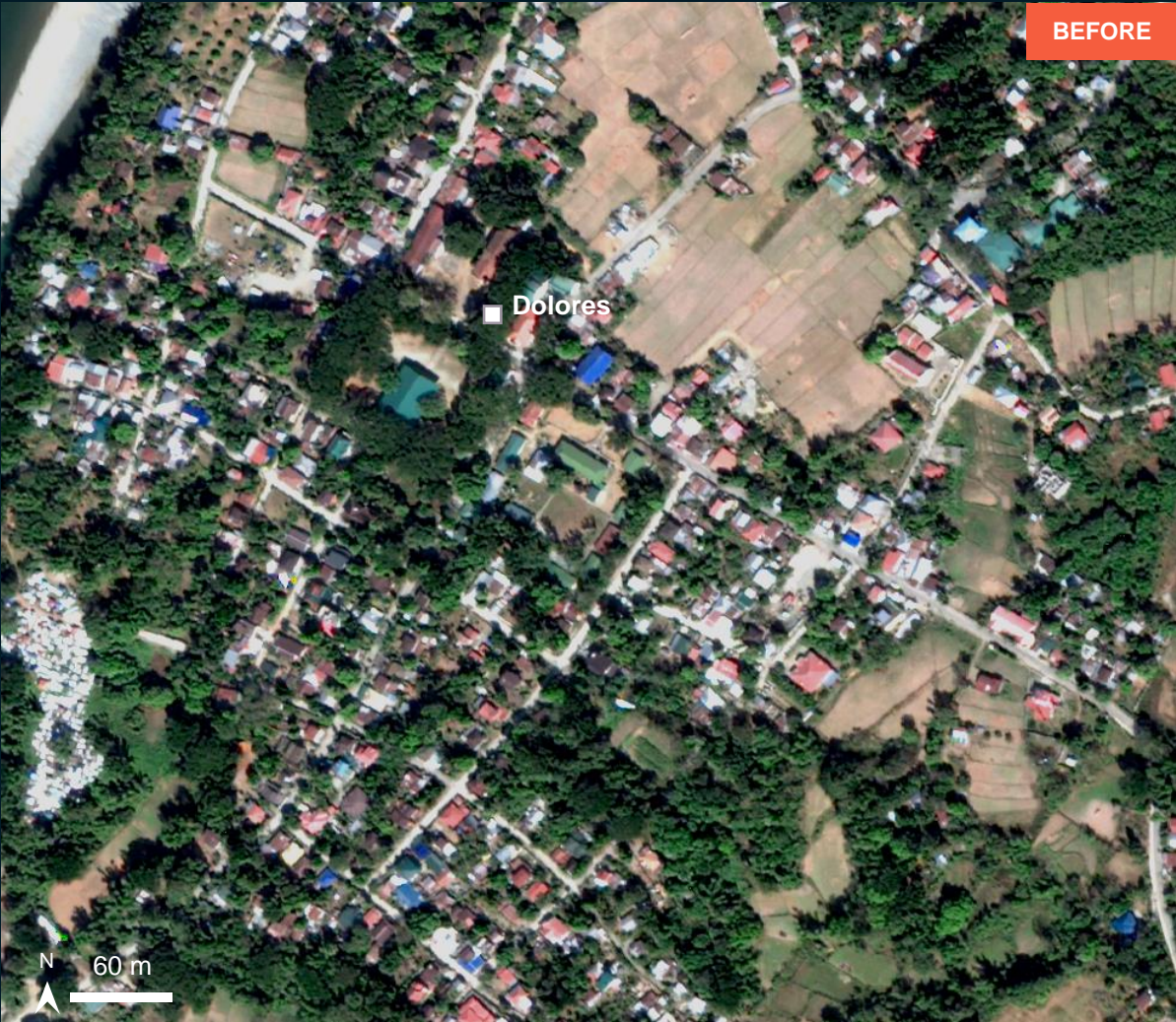
AFTER

Pléiades/ 29 July 2022

AOI 4 - DOLORES TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage

Image center:
120°42'32.247"E
17°38'51.515"N



BEFORE

WorldView-2 / 14 Jan 2020



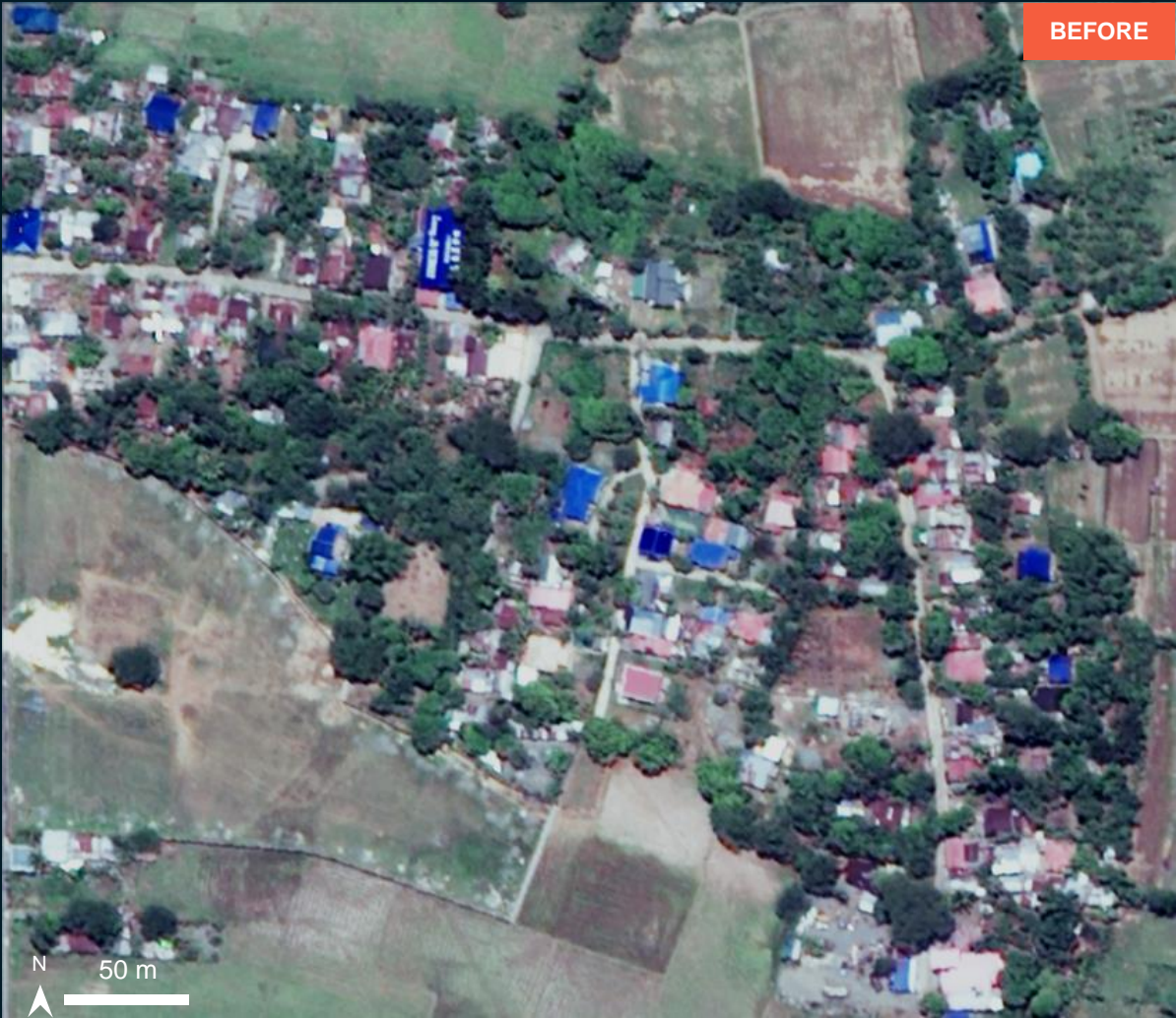
AFTER

Pléiades/ 29 July 2022

AOI 5-1 BUCAY TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

No visible damage

Image center:
120°43'9.205"E
17°32'41.328"N



WorldView-2 / 29 April 2022

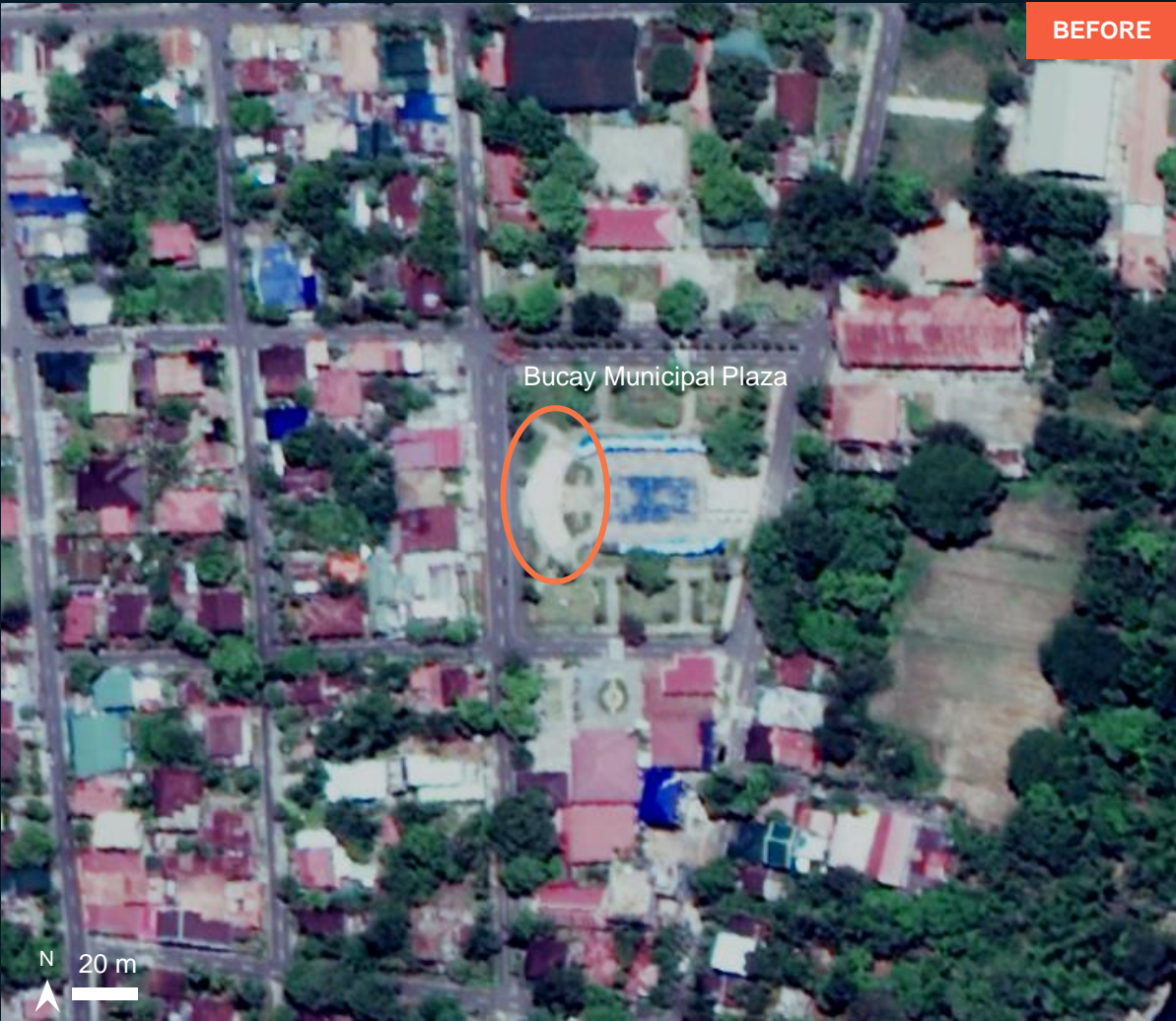


Pléiades/ 29 July 2022

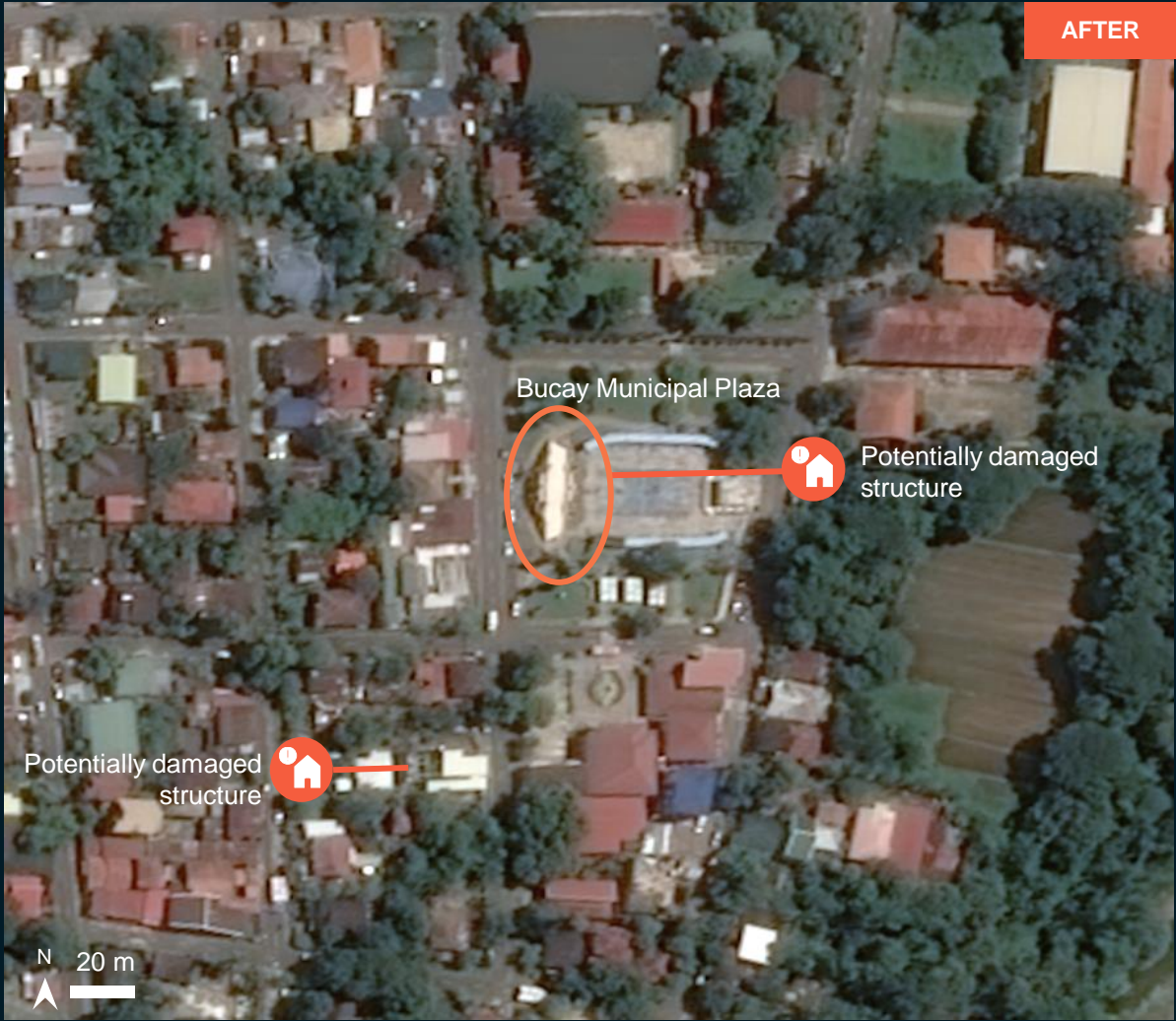
AOI 5-1 BUCAY TOWN, ABRA PROVINCE, CORDILLERA ADMINISTRATIVE REGION

Potentially damaged structures

Image center:
120°43'6.744"E
17°32'19.235"N



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.

COPYRIGHTS AND SOURCES

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



@UNOSAT



@UNITAR.unosat



UNOSAT, United Nations Institute for Training
and Research (UNITAR)
7 bis, Avenue de la Paix, CH-1202 Geneva 2,
Switzerland

T +41 022 917 4720
E unosat@unitar.org
www.unosat.org